



政府統計

令和3年

— 2021 —

石油等消費動態統計年報

YEARBOOK OF
THE CURRENT SURVEY OF ENERGY CONSUMPTION

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

目次

Contents

目次	i		
Contents			
利用上の注意	利・1		
Notes for Utilization			
統計表			
Statistical Tables			
1. エネルギー消費量の推移	2	② パルプ・紙・板紙工業	46
Trends of energy consumption		Pulp, paper, paperboard industry	
(1) 固有単位表(事業所ベース)	2	③ 化学繊維工業	54
Table of original unit (establishment basis)		Chemical fibers industry	
(2) 熱量単位表(事業所ベース)	2	④ 石油製品工業	60
Table of energy unit (establishment basis)		Petroleum products industry	
2. 業種別統計	6	⑤ ガラス製品工業	68
Statistics by industry		Glass products industry	
(1) 業種別エネルギー消費	6	⑥ 化学工業	74
Energy consumption by industry		Chemical industry	
1) 固有単位表(事業所ベース)	6	⑦ 窯業・土石製品工業	96
Table of original unit (establishment basis)		Ceramics, clay and stone products industry	
2) 熱量単位表(事業所ベース)	6	⑧ 鉄鋼業	114
Table of energy unit (establishment basis)		Iron and steel industry	
(2) 燃料受払	10	⑨ 非鉄金属地金工業	134
Fuel input and output		Non-ferrous metals industry	
1) 燃料種別表	10	⑩ 機械工業	142
Table by fuels		Machinery industry	
① 固有単位表	10	(3) 電力受払	150
Table of original unit		Electricity input and output	
② 熱量単位表	10	業種別電力受払の推移(事業所ベース)	150
Table of energy unit		Trends by industry (establishment basis)	
2) 業種別表(事業所ベース)	12	① 調査対象業種合計	150
Table by industry (establishment basis)		Surveyed industry total	
① パルプ・紙・板紙工業	12	② パルプ・紙・板紙工業	152
Pulp, Paper, Paperboard industry		Pulp, paper, paperboard industry	
② 化学繊維工業	12	③ 化学工業	152
Chemical fibers industry		Chemical industry	
③ 石油製品工業	14	④ 化学繊維工業	152
Petroleum products industry		Chemical fibers industry	
④ ガラス製品工業	14	⑤ 石油製品工業	154
Glass products industry		Petroleum products industry	
⑤ 化学工業	16	⑥ 窯業・土石製品工業	154
Chemical industry		Ceramics, clay and stone products industry	
⑥ 窯業・土石製品工業	16	⑦ ガラス製品工業	154
Ceramics, clay and stone products industry		Glass products industry	
⑦ 鉄鋼業	18	⑧ 鉄鋼業	156
Iron and steel industry		Iron and steel industry	
⑧ 非鉄金属地金工業	20	⑨ 非鉄金属地金工業	156
Non-ferrous metals industry		Non-ferrous metals industry	
⑨ 機械工業	20	⑩ 機械工業	156
Machinery industry		Machinery industry	
3) 業種別、燃料別受払の推移(事業所ベース)	22	(4) 蒸気受払	158
Trends of fuel input and output (establishment basis)		Steam input and output	
① 調査対象業種合計	22	業種別蒸気受払の推移(事業所ベース)	158
Surveyed industry total		Trends by industry (establishment basis)	
		① 調査対象業種合計	158
		Surveyed industry total	
		② パルプ・紙・板紙工業	160
		Pulp, paper, paperboard industry	
		③ 化学工業	160
		Chemical industry	

④ 化学繊維工業 160 Chemical fibers industry	一次投入燃料換算表 260 Conversion table
⑤ 石油製品工業 162 Petroleum products industry	⑧ 非鉄金属地金 Non-ferrous metals 直接投入エネルギー表 276 Direct input table
⑥ 窯業・土石製品工業 162 Ceramics, clay and stone products industry	一次投入燃料換算表 288 Conversion table
⑦ ガラス製品工業 162 Glass products industry	⑨ 機械器具製品 Machinery products 直接投入エネルギー表 300 Direct input table
⑧ 鉄鋼業 164 Iron and steel industry	一次投入燃料換算表 306 Conversion table
⑨ 非鉄金属地金工業 164 Non-ferrous metals industry	
3. 指定生産品目別統計 166 Statistics by specified products	(3) 指定生産品目別燃料在庫量の推移 314 Trends of fuel inventory by specified products
(1) 指定生産品目別エネルギー消費 166 Energy consumption by specified products	① 化学工業製品 314 Chemical products
1) 直接投入エネルギー表 166 Table of direct input energy	② 窯業・土石製品 315 Ceramics, clay and stone products
2) 一次投入燃料換算表 166 Conversion table for primary input fuel	③ 非鉄金属地金 316 Non-ferrous ground metals
(2) 指定生産品目別エネルギー消費量の推移.. 178 Trends of Energy consumption by specified products	4. 地域別統計 318 Regional statistics
① パルプ・紙・板紙 Pulp, paper, paperboard 直接投入エネルギー表 178 Direct input table	(1) 経済産業局別燃料種別エネルギー消費 .. 318 Energy consumption by regional bureaus, by fuels
一次投入燃料換算表 184 Conversion table	1) 固有単位表(事業所ベース) 318 Table of original unit (establishment basis)
② 化学工業製品 Chemical products 直接投入エネルギー表 190 Direct input table	2) 熱量単位表(事業所ベース) 318 Table of energy unit (establishment basis)
一次投入燃料換算表 200 Conversion table	(2) 経済産業局別エネルギー消費量の推移 .. 322 Trends of energy consumption by regional bureau
③ 化学繊維 Chemical fibers 直接投入エネルギー表 210 Direct input table	1) 北海道経済産業局管内 322 Hokkaido
一次投入燃料換算表 212 Conversion table	2) 東北経済産業局管内 324 Tohoku
④ 石油製品 Petroleum products 直接投入エネルギー表 216 Direct input table	3) 関東経済産業局管内 326 Kanto
一次投入燃料換算表 218 Conversion table	4) 中部経済産業局管内 328 Chubu
⑤ 窯業・土石製品 Ceramics, clay and stone products 直接投入エネルギー表 222 Direct input table	5) 近畿経済産業局管内 330 kansai
一次投入燃料換算表 230 Conversion table	6) 中国経済産業局管内 332 Chugoku
⑥ ガラス製品 Glass products 直接投入エネルギー表 240 Direct input table	7) 四国経済産業局管内 334 Shikoku
一次投入燃料換算表 242 Conversion table	8) 九州経済産業局管内(含沖縄) 336 Kyushu (including Okinawa)
⑦ 鉄鋼製品 Iron and steel products 直接投入エネルギー表 244 Direct input table	(3) 都道府県別エネルギー消費量 338 Energy consumption by prefectures
	参考 調査票様式 339 Reference. Questionnaire

利用上の注意

この年報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する令和3年の調査結果を補正し、公表するものです。毎月の調査結果は、「石油等消費動態統計月報」として公表していますが、月報公表後に数値の訂正報告等が行われることがあります。この年報はこれらを補正しています。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在

庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

- ② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及び「原料用消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設定での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含

む。）の総量です。

② 「一次蒸気以外」

(ア) 「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ) 「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業所で使用した蒸気量です [受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります]。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖厨房等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されて

います。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

(2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種別の発生・回収又は生産量（熱量換算ベース）を差し引くことにより求めています。

2. 指定生産品目別統計表（生産品目ベース）

(1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載しています。

(2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計

した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごと

に行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

蒸気使用割合 (SU) =

$$\frac{\text{蒸気発生計}-\text{蒸気払出}}{\text{蒸気発生計}}$$

ボイラ蒸気生産工程用使用割合 (BSP) =

$$\frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

コージェネ蒸気生産工程用使用割合 (CSP) =

$$\frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}-\text{蒸気自家発電用消費量}}$$

当該生産品目の蒸気使用割合 (SG) =

$$\frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

電力使用割合 (EU) =

$$\frac{\text{自家発電力量計}-\text{電力販売量}}{\text{自家発電力量計}} \quad (\text{注})$$

一次蒸気の自家発電用割合 (ES) =

$$\frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

当該生産品目の電力使用割合 (EG) =

$$\frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

コージェネ用燃料消費の蒸気発生割合 (CS) =

$$\frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電力量} \times \text{単位熱量}}$$

コージェネ用燃料消費の発電電力割合 (CE) =

$$\frac{\text{コージェネ発電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工

程用) の一次投入燃料換算値(Iin) (機械工業を除く業種)

$$\text{Iin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Iin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この年報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 " 青森、岩手、宮城、秋田、山形、福島の各県

関東 " 茨城、栃木、群馬、埼玉、千葉、東京、神奈川、新潟、山梨、長野、静岡の各都県

中部 " 富山、石川、岐阜、愛知、三重の各県

近畿 " 福井、滋賀、京都、大阪、兵庫、奈良、和歌山の各府県

中国 " 鳥取、島根、岡山、広島、山口の各県

- 四 国 " 徳島、香川、愛媛、高知の各県
九 州 " 福岡、佐賀、長崎、熊本、大分、宮崎、
 鹿児島各県及び沖縄県

IV その他

1. この年報で使用している記号の区分は下記のとおりです。
 「0」は単位未満 「-」は実績なし
 「…」は不詳 「r」は訂正
2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。
3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。
4. この年報に掲載された統計を他に転載するときは、必ず「石油等消費動態統計年報」による旨を明記してください。

V 問い合わせ先

この年報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品(グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業(板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品(二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上のもの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 構外運搬に使用されたものは除く。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したもの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 パーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターコークス炉ガス	t	37.3MJ/kg	
	ターコークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液素	絶乾 t	13.6MJ/絶乾 kg		
酸	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1MJ/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
RPF	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。

2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。

3. 都市ガスは発熱量換算値（10⁶kJ）。

なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

第3表 石油等消費動態統計調査の調査業種別の主な調査項目

Table 3. Main survey fields items

調査業種 Surveyed industry	受入 Receipts	発生・ 回収又は 生産 Generation, recovery and/or production	燃料 Fuels					月末在庫 Inventory	購入電力 Purchase	電力 Electricity			消費 Consumption	販売電力 Shipments
			消費 Consumption							自家発電 Private power generation	火 力 Thermal	水力・ その他 Hydro/ Others		
			ボイラ 用 for Boilers	コージェ ネ レ ー シ ョ ン 用 for Co- generation	原料用 as Materials	直接加熱 用 for Direct heating	その他 用 for Others							
パルプ・紙・板紙工業 Pulp, paper, paper board industry	○	×	○	○	×	○	○	○	○	○	○	○	○	○
化学工業 Chemical industry	○	○	○	○	○	○	○	○	○	○	○	○	○	○
化学繊維工業 Chemical fibers industry	○	×	○	○	×	○	○	○	○	○	○	○	○	○
石油製品工業 Petroleum products industry	○	×	○	○	○	○	×	○	○	○	○	○	○	○
窯業・土石製品工業 Ceramics, clay and stone products industry	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ガラス製品工業 Glass products industry	○	×	○	○	×	○	○	○	○	○	○	○	○	○
鉄鋼業 Iron and steel industry	○	○	○	○	○	○	○	○	○	○	○	○	○	○
非鉄金属地金工業 Non-ferrous metals industry	○	×	○	○	×	○	×	○	○	○	○	○	○	○
機械工業 Machinery industry	○	×	○	○	×	○	×	○	○	○	○	○	○	○

注：鉄鋼業の自家発電には「炉頂圧」の調査項目があります。

Note: The high pressure at the top of blast furnaces is surveyed in the item of private power generation of iron and steel industry.

Notes for Utilization

The objective of this yearbook is to compile and publish the results of the 2021 survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law. The results of the monthly survey are published as Monthly Report of the Current Survey of Energy Consumption. After being published in the monthly report, figures may be revised. This yearbook revises those figures.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels "for boilers (except for heating or cooking)" refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels "for co-generation" refers to the volume of fuels used for co-generation.

③ Fuels "for purposes other than boilers and co-generation" refers to the volume of fuels used for purposes other than ① and ②.

(a) "As materials" refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels "for direct heating" refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels "for other purposes" refers to the volume of fuels used for purposes other than "as materials" and "direct heating", such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use "as materials" is not provided separately, fuels "for other purposes" include what is used "as materials".

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

- ①sales to other establishments,
 - ②transfer to other divisions of the same company, or
 - ③transfer to other establishments for subcontracted production.
- 5) Month-end inventory
- Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.
- 6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”
- ① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.
 - ② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.
- (2) Electricity (establishment basis)
- 1) Electricity purchased
- This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.
- 2) Private power generation
- This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.
- 3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by

operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

- ① sales to other enterprises, or
- ② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the "Product" column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of "Designated Products" is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

- (1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the "Product" column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from

the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as "adjustment for duplication".

- (2) The consumption of energy shown in the industrial category energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

- (1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the "designated product" column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as "other products".

- (2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of "Consumption breakdown by division" of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for "boilers" and "co-generation") for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy

category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total” column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers (Bi)} \times \text{BSP} + \text{Fuel consumption for co-generation (Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I_{'in})

$I'_{in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I_{'in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (Bi +

$C_i \times EU \times EG$

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + $B_i \times SU \times SG$

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity $\times EU$) $\times EG$

③ Calculation of received steam

Consumption of received steam for the product = Received steam $\times SG$

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) \times Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this yearbook.

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kinki Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga, Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this yearbook are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. From January 2008, calorific value per unit has been revised. (Please refer to the calorific value per unit by different energy types shown in Table2. Energy categories, units and definitions)

5. When reprinting the statistics contained in this yearbook in other printed matter, the fact that they are based on the “Yearbook of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this yearbook, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed.NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt, etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries" are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
	Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.
	Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity	1000kWh	3.60MJ/kWh		
Steam	t	2.675MJ/kg	"Machinery industry" is not surveyed.	

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.3. The energy conversion rate for Town gas is (10⁶kJ).

The energy per unit of town gas depends on the energy per unit at each establishment.

統計表

Statistical Tables

1. エネルギー消費量の推移

Trends of energy consumption

(1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

年 月	合計 Total		燃料計 Fuel total	石油系燃料計 Oil based fuels total						
	(原油換算) (Crude petroleum equivalent) kl	うち指定生産品目分 Specified products (原油換算) (Crude petroleum equivalent) kl		(原油換算) (Crude petroleum equivalent) kl	石油系燃料計 (原油換算) (Crude petroleum equivalent) kl	注1				
						原油 Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
平成 29 年	168,954,249	160,857,155	155,876,157	84,003,116	305,111	60,368	31,500,945	19,689,000	1,137,856	
30	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	
2	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	
3	154,578,589	145,862,346	142,070,645	74,324,947	123,541	45,784	31,023,551	15,101,547	948,272	
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	
2	143,958,448	134,652,879	132,176,232	70,386,577	2,509	47,138	29,737,978	14,269,571	1,141,740	
3 年 1～3月	38,777,267	36,428,321	35,727,820	18,503,867	304	12,483	7,920,157	3,628,863	235,606	
4～6	36,782,057	34,987,161	33,703,871	17,144,246	-	11,496	7,528,047	3,240,262	162,605	
7～9	39,171,346	36,934,645	35,995,097	18,837,582	5,857	10,073	7,471,509	4,015,721	303,196	
10～12	39,847,920	37,512,220	36,643,857	19,839,252	117,380	11,732	8,103,838	4,216,701	246,865	
3 年 1月	13,504,538	12,640,460	12,463,619	6,569,474	304	3,851	2,669,626	1,359,400	123,472	
2	12,054,339	11,275,146	11,088,924	5,702,652	-	3,870	2,465,708	1,067,477	86,590	
3	13,218,389	12,512,714	12,175,276	6,231,741	-	4,762	2,784,823	1,201,986	25,544	
4	12,505,184	11,839,216	11,477,856	5,962,770	-	4,192	2,664,590	1,165,343	16,931	
5	12,482,554	11,928,830	11,462,615	5,818,691	-	2,891	2,539,919	1,094,712	52,992	
6	11,794,318	11,219,115	10,763,399	5,362,785	-	4,413	2,323,538	980,207	92,682	
7	12,673,232	11,940,686	11,611,230	5,867,657	-	4,458	2,351,166	1,176,265	88,340	
8	13,345,039	12,579,511	12,285,190	6,509,930	-	2,932	2,531,790	1,406,751	110,731	
9	13,153,075	12,414,448	12,098,677	6,459,994	5,857	2,683	2,588,553	1,432,705	104,125	
10	13,125,445	12,399,824	12,047,146	6,487,597	56,444	3,233	2,697,973	1,337,544	104,783	
11	12,881,189	12,134,686	11,829,609	6,440,549	47,444	4,374	2,592,394	1,398,378	47,630	
12	13,841,285	12,977,710	12,767,102	6,911,106	13,492	4,125	2,813,471	1,480,779	94,452	

(2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

平成 29 年	6,538,529,753	6,225,172,140	6,032,407,569	3,250,920,890	10,840,616	2,088,733	1,058,431,752	691,083,900	41,759,315
30	6,373,810,529	6,050,698,187	5,861,998,696	3,070,419,186	8,962,021	2,026,072	969,169,757	695,311,765	38,485,969
令和 1 年	6,269,265,599	5,951,663,859	5,771,927,750	3,072,018,977	2,385,145	1,994,517	1,038,985,214	627,327,663	41,673,290
2	5,597,934,495	5,240,006,213	5,138,914,663	2,729,690,578	120,003	1,671,664	989,416,411	514,652,206	39,966,263
3	5,982,191,586	5,644,872,924	5,498,134,161	2,876,375,640	4,299,227	1,529,208	1,033,084,248	508,922,134	34,612,245
令和 1 年度	6,189,872,829	5,872,468,069	5,696,160,501	3,001,008,006	2,134,633	1,957,149	1,036,659,221	599,853,103	37,032,612
2	5,571,192,136	5,211,066,521	5,115,220,430	2,723,960,764	88,416	1,616,018	996,820,014	495,781,534	41,854,895
3 年 1～3月	1,500,680,253	1,409,776,024	1,382,666,664	716,099,703	10,579	416,955	263,741,228	122,292,683	8,599,778
4～6	1,423,465,644	1,354,003,157	1,304,339,849	663,482,351	-	383,966	250,683,965	109,196,829	5,935,135
7～9	1,515,931,173	1,429,370,807	1,393,010,344	729,014,475	203,824	336,438	248,801,250	135,329,798	11,066,707
10～12	1,542,114,516	1,451,722,937	1,418,117,304	767,779,112	4,084,824	391,849	269,857,805	142,102,824	9,010,625
3 年 1月	522,625,636	489,185,808	482,342,075	254,238,647	10,579	128,646	88,898,546	45,811,780	4,506,851
2	466,502,954	436,348,160	429,141,389	220,692,652	-	129,258	82,108,076	35,973,975	3,160,553
3	511,551,663	484,242,055	471,183,201	241,168,404	-	159,051	92,734,606	40,506,928	932,374
4	483,950,650	458,177,671	444,193,059	230,759,203	-	140,013	88,730,847	39,272,059	617,999
5	483,074,874	461,645,720	443,603,229	225,183,362	-	96,559	84,579,303	36,891,794	1,934,226
6	456,440,120	434,179,766	416,543,561	207,539,786	-	147,394	77,373,815	33,032,976	3,382,911
7	490,454,101	462,104,561	449,354,635	227,078,346	-	148,897	78,293,828	39,640,131	3,224,428
8	516,453,049	486,827,100	475,436,873	251,934,320	-	97,929	84,308,607	47,407,509	4,041,699
9	509,024,022	480,439,146	468,218,836	250,001,809	203,824	89,612	86,198,815	48,282,159	3,800,580
10	507,954,736	479,873,198	466,224,533	251,070,014	1,964,251	107,982	89,842,501	45,075,233	3,824,597
11	498,502,037	469,612,349	457,805,899	249,249,280	1,651,051	146,092	86,326,720	47,125,339	1,738,513
12	535,657,744	502,237,390	494,086,872	267,459,818	469,522	137,775	93,688,584	49,902,252	3,447,516

注 1. 原油にはNGL・コンデンセートを含む。

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Year, Quarter &Month
250,559	5,115,625	625,757	4,489,868	1,614,684	5,851,233	15,046,994	4,205,504	1,108,030	326,045	C.Y. 2017
228,869	4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	C.Y. 2018
247,432	4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	C.Y. 2019
185,543	4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	C.Y. 2020
227,186	4,449,319	599,076	3,850,243	1,609,584	5,221,355	12,289,031	3,562,542	350,543	389,967	C.Y. 2021
221,524	4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	F.Y. 2019
210,272	4,498,402	565,027	3,933,375	1,592,172	4,683,494	11,863,155	3,627,944	331,857	354,394	F.Y. 2020
64,690	1,215,826	153,409	1,062,417	387,524	1,257,638	3,037,704	791,510	113,178	96,652	Q1 2021
67,566	999,048	135,690	863,358	345,873	1,281,496	2,821,763	775,939	47,267	91,283	Q2
53,632	1,066,919	143,201	923,718	415,615	1,370,141	3,163,629	997,670	83,187	96,803	Q3
41,298	1,167,526	166,776	1,000,750	460,572	1,312,080	3,265,935	997,423	106,911	105,229	Q4
22,171	441,618	52,500	389,118	140,836	450,903	1,088,889	290,477	27,266	30,112	Jan. 2021
20,714	376,064	49,495	326,569	121,416	382,149	931,621	257,391	38,906	32,709	Feb.
21,805	398,144	51,414	346,730	125,272	424,586	1,017,194	243,642	47,006	33,831	Mar.
22,858	365,029	45,720	319,309	128,386	428,211	986,902	230,100	1,360	33,981	Apr.
22,638	332,882	43,000	289,882	113,353	445,746	974,476	283,077	-	25,877	May
22,070	301,137	46,970	254,167	104,134	407,539	860,385	262,762	45,907	31,425	Jun.
22,182	352,463	44,138	308,325	125,958	438,900	985,554	302,281	39,512	34,473	Jul.
21,856	362,407	48,750	313,657	143,810	465,353	1,118,153	355,487	27,868	29,739	Aug.
9,594	352,049	50,313	301,736	145,847	465,888	1,059,922	339,902	15,807	32,591	Sep.
5,574	387,607	56,203	331,404	148,976	448,786	1,040,580	292,757	32,154	36,230	Oct.
14,195	398,938	60,717	338,221	151,408	408,352	1,063,073	374,361	15,607	34,831	Nov.
21,529	380,981	49,856	331,125	160,188	454,942	1,162,282	330,305	59,150	34,168	Dec.

単位 Unit: GJ

9,446,074	212,592,568	24,467,099	188,125,469	67,655,260	297,242,636	675,610,031	125,744,570	45,318,427	13,107,009	C.Y. 2017
8,628,361	200,714,099	23,701,599	177,012,500	67,546,068	288,190,635	621,349,907	122,958,787	33,770,108	13,305,637	C.Y. 2018
9,328,186	197,428,843	21,095,584	176,333,259	67,224,192	294,495,322	611,986,865	125,704,862	39,579,053	13,905,823	C.Y. 2019
6,994,971	187,040,532	21,303,322	165,737,210	67,123,255	237,647,582	538,066,559	113,532,363	19,565,006	13,893,763	C.Y. 2020
8,633,031	184,246,589	23,305,117	160,941,472	64,384,014	261,593,321	626,740,581	118,632,649	14,021,720	15,676,673	C.Y. 2021
8,351,455	193,847,245	20,065,025	173,782,219	66,965,711	285,141,822	595,220,218	123,118,572	36,614,416	14,111,848	F.Y. 2019
7,946,651	186,764,693	22,062,166	164,702,527	65,976,365	237,042,134	551,185,654	111,166,660	13,471,091	14,246,639	F.Y. 2020
2,458,210	50,377,289	5,967,903	44,409,387	15,501,614	63,008,649	154,922,904	26,357,283	4,527,120	3,885,410	Q1 2021
2,567,499	41,367,282	5,278,598	36,088,684	13,834,920	64,203,815	143,909,913	25,838,769	1,890,680	3,669,577	Q2
2,038,007	44,182,508	5,570,776	38,611,732	16,624,600	68,644,893	161,345,079	33,222,411	3,327,480	3,891,481	Q3
1,569,315	48,319,509	6,487,840	41,831,670	18,422,880	65,735,964	166,562,685	33,214,186	4,276,440	4,230,206	Q4
842,494	18,307,642	2,042,366	16,265,276	5,634,094	22,590,649	55,533,339	9,672,884	1,090,640	1,210,502	Jan. 2021
787,129	15,576,134	1,925,444	13,650,691	4,856,640	19,145,953	47,512,671	8,571,120	1,556,240	1,314,902	Feb.
828,587	16,493,513	2,000,093	14,493,421	5,010,880	21,272,047	51,876,894	8,113,279	1,880,240	1,360,006	Mar.
868,601	15,125,817	1,778,594	13,347,223	5,135,440	21,453,660	50,332,002	7,662,330	54,400	1,366,036	Apr.
860,241	13,789,960	1,672,786	12,117,174	4,534,120	22,332,163	49,698,276	9,426,464	-	1,040,255	May
838,657	12,451,506	1,827,219	10,624,287	4,165,360	20,417,992	43,879,635	8,749,975	1,836,280	1,263,285	Jun.
842,913	14,605,146	1,717,054	12,888,092	5,038,320	21,989,178	50,263,254	10,065,957	1,580,480	1,385,815	Jul.
830,525	15,007,430	1,896,461	13,110,969	5,752,400	23,314,474	57,025,803	11,837,717	1,114,720	1,195,508	Aug.
364,569	14,569,933	1,957,262	12,612,671	5,833,880	23,341,241	54,056,022	11,318,737	632,280	1,310,158	Sep.
211,809	16,039,176	2,186,383	13,852,794	5,959,040	22,484,431	53,069,580	9,748,808	1,286,160	1,456,446	Oct.
539,407	16,499,721	2,361,977	14,137,744	6,056,320	20,458,687	54,216,723	12,466,221	624,280	1,400,206	Nov.
818,099	15,780,612	1,939,480	13,841,132	6,407,520	22,792,846	59,276,382	10,999,157	2,366,000	1,373,554	Dec.

Notes 1. Crude petroleum includes NGL・condensate in liquid form.

年 月	非石油系燃料計 Non-oil based fuels total									
	(原油換算) (Crude petroleum equivalent)	注2 石炭 Coal	注3 石炭コークス Coal coke	タール Tar	コークス炉ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas
	kl	t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t
平成 29 年	118,915,174	87,021,860	31,744,040	523,298	11,294,663	88,583,982	5,388,329	89,946	700,588	1,575,900
30	118,696,733	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310
令和 1 年	115,901,287	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755
2	103,131,990	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506
3	110,779,370	81,190,032	28,682,013	525,211	10,873,325	77,985,139	4,701,798	86,101	669,954	1,536,578
令和 1 年度	115,690,085	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145
2	102,041,573	75,272,454	26,113,738	501,184	10,354,779	69,112,664	4,216,856	77,231	645,706	1,495,628
3 年 1～3月	27,995,841	20,488,394	7,222,668	138,467	2,701,848	19,433,768	1,196,644	22,529	187,396	416,865
4～6	27,381,528	19,984,130	7,176,100	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,895
7～9	27,888,353	20,468,265	7,248,191	107,838	2,701,752	19,669,487	1,218,142	13,992	160,684	390,847
10～12	27,513,648	20,249,243	7,035,054	142,742	2,727,559	18,911,865	1,106,989	26,659	172,867	342,971
3 年 1月	9,599,628	7,062,515	2,453,432	43,384	938,055	6,726,058	388,332	7,272	68,043	144,461
2	8,748,639	6,398,448	2,268,680	46,908	836,392	6,006,079	377,401	6,426	57,260	128,349
3	9,647,574	7,027,431	2,500,556	48,175	927,401	6,701,631	430,911	8,831	62,093	144,055
4	9,054,915	6,584,612	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184
5	9,357,921	6,839,262	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517
6	8,968,692	6,560,256	2,349,398	40,213	901,074	6,539,961	394,049	6,260	44,113	127,194
7	9,362,265	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313
8	9,369,429	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881
9	9,156,658	6,714,352	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653
10	9,141,364	6,769,219	2,330,130	42,559	909,216	6,230,481	389,307	8,346	52,811	112,415
11	8,911,980	6,515,419	2,309,856	47,868	895,548	5,991,722	346,405	10,445	57,337	104,531
12	9,460,304	6,964,605	2,395,068	52,315	922,795	6,689,662	371,277	7,868	62,719	126,025

平成 29 年	4,602,017,239	2,374,475,384	933,274,776	19,519,015	238,317,389	302,071,379	45,315,847	756,446	30,475,578	86,044,140
30	4,593,563,580	2,369,195,753	926,803,924	20,187,879	238,644,038	291,497,289	44,632,543	743,478	31,648,251	86,339,526
令和 1 年	4,485,379,785	2,309,638,747	910,402,164	18,746,122	238,239,636	287,662,025	42,775,926	706,289	28,587,765	82,323,423
2	3,991,208,014	2,079,497,092	774,858,050	18,435,562	219,802,836	238,542,434	36,461,757	667,502	27,803,069	80,453,428
3	4,287,161,631	2,225,942,158	831,778,603	19,590,370	220,728,498	278,406,946	39,165,977	717,221	28,473,045	84,050,817
令和 1 年度	4,477,206,257	2,319,193,622	900,324,344	18,290,764	237,078,862	283,398,832	43,426,557	719,391	28,049,627	82,617,717
2	3,949,008,871	2,055,264,963	764,854,886	18,694,163	216,324,359	238,783,587	35,368,027	647,710	27,900,815	81,702,975
3 年 1～3月	1,083,439,065	561,046,910	209,457,428	5,164,819	54,847,514	69,378,552	9,968,045	187,667	7,964,330	22,802,516
4～6	1,059,665,130	548,138,403	208,106,956	5,078,917	55,665,970	71,292,968	9,829,592	190,932	6,332,798	21,108,457
7～9	1,079,279,260	561,083,587	210,197,595	4,022,357	54,845,566	70,220,069	10,147,123	116,553	6,829,070	21,379,331
10～12	1,064,778,176	555,673,259	204,016,622	5,324,277	55,369,448	67,515,358	9,221,218	222,069	7,346,848	18,760,514
3 年 1月	371,505,627	193,393,022	71,149,547	1,618,223	19,042,517	24,012,027	3,234,806	60,576	2,891,828	7,902,017
2	338,572,337	175,115,791	65,791,739	1,749,668	16,978,758	21,441,702	3,143,750	53,529	2,433,550	7,020,690
3	373,361,101	192,538,097	72,516,143	1,796,928	18,826,240	23,924,823	3,589,489	73,562	2,638,953	7,879,809
4	350,425,201	180,559,261	68,212,079	1,856,496	18,288,047	23,063,842	3,056,327	74,637	2,471,460	7,121,065
5	362,151,530	187,576,688	71,762,317	1,722,477	19,086,121	24,881,465	3,490,836	64,149	1,986,535	7,029,880
6	347,088,400	180,002,454	68,132,561	1,499,945	18,291,802	23,347,661	3,282,428	52,146	1,874,803	6,957,512
7	362,319,660	188,472,878	70,953,391	805,121	18,536,519	23,459,291	3,358,281	65,024	2,354,628	7,511,021
8	362,596,924	188,449,592	70,813,640	1,409,306	18,372,231	23,931,138	3,330,309	36,777	2,341,155	7,213,891
9	354,362,676	184,161,117	68,430,565	1,807,931	17,936,816	22,829,639	3,458,533	14,752	2,133,288	6,654,419
10	353,770,796	185,888,538	67,573,789	1,587,451	18,457,085	22,242,817	3,242,927	69,522	2,244,468	6,149,101
11	344,893,627	178,818,872	66,985,843	1,785,476	18,179,624	21,390,448	2,885,554	87,007	2,436,823	5,717,846
12	366,113,753	190,965,849	69,456,991	1,951,350	18,732,739	23,882,093	3,092,737	65,540	2,665,558	6,893,568

注 2. 石炭には、コークス製造用炭(原料炭)を含む。
3. 石炭コークスにはピッチコークスを含む。

都市ガス (B) Town gas(B)	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラ ステック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted	Year, Quarter &Month
5,850,588	12,230,254	10,889,674	2,457,720	481,309	632,647	606,055	186,834,533	107,835,238	519,213,083	40,965,719	C.Y. 2017
5,968,932	12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
5,826,721	12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
5,346,339	10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
5,760,739	11,187,712	10,201,670	2,320,870	503,011	728,206	708,180	177,149,551	103,880,434	477,015,247	38,200,662	C.Y. 2021
5,727,901	12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
5,388,145	10,170,708	8,344,506	2,322,591	483,285	685,075	656,729	167,739,695	96,772,407	472,244,532	37,258,615	F.Y. 2020
1,523,287	2,778,507	2,528,998	584,570	134,723	169,651	178,467	43,487,057	24,902,243	123,981,401	10,026,187	Q1 2021
1,384,523	2,662,042	2,537,565	541,794	112,543	177,457	168,938	43,119,096	25,885,076	111,529,509	8,831,562	Q2
1,405,968	2,882,299	2,567,149	594,867	137,235	186,694	185,011	45,855,506	26,615,972	121,670,915	9,307,450	Q3
1,446,961	2,864,864	2,567,958	599,639	118,510	194,404	175,764	44,687,892	26,477,143	119,833,422	10,035,463	Q4
517,045	957,475	863,224	184,362	45,130	57,233	54,846	14,847,000	8,356,397	43,629,239	3,649,205	Jan. 2021
491,289	846,607	781,051	182,598	42,412	53,192	55,287	13,694,803	7,932,257	38,668,636	3,129,072	Feb.
514,954	974,425	884,723	217,610	47,181	59,226	68,334	14,945,254	8,613,589	41,683,526	3,247,910	Mar.
479,774	925,769	805,862	192,051	35,886	58,310	55,432	14,367,136	8,516,539	38,200,227	3,115,618	Apr.
446,613	914,922	884,399	164,270	37,558	62,035	58,805	14,347,522	8,565,892	37,603,521	2,936,835	May
458,136	821,351	847,304	185,473	39,099	57,112	54,701	14,404,438	8,802,645	35,725,761	2,779,109	Jun.
485,233	925,708	844,562	196,482	47,230	60,404	57,985	15,407,484	8,989,595	39,994,698	2,977,880	Jul.
458,138	986,292	858,064	189,940	45,420	63,804	63,979	15,415,601	8,842,826	41,875,969	3,164,765	Aug.
462,596	970,299	864,523	208,445	44,585	62,486	63,047	15,032,421	8,783,551	39,800,248	3,164,805	Sep.
458,562	1,013,090	863,057	193,838	28,648	64,750	51,386	14,996,747	8,982,871	39,241,478	3,257,250	Oct.
486,440	887,414	861,864	210,552	36,892	65,026	62,366	14,562,932	8,747,826	38,652,165	3,240,617	Nov.
501,959	964,360	843,037	195,249	52,970	64,628	62,012	15,128,213	8,746,446	41,939,779	3,537,596	Dec.

単位 Unit: GJ

240,459,190	161,439,353	77,534,479	40,060,836	15,979,459	18,536,557	17,757,412	672,604,319	388,206,857	1,388,895,022	109,583,304	C.Y. 2017
245,323,128	163,014,139	78,620,393	42,741,909	15,816,048	19,929,479	18,425,803	670,888,559	394,549,906	1,377,523,089	109,018,569	C.Y. 2018
239,478,219	158,707,072	74,250,016	39,860,542	15,805,159	20,411,933	17,784,748	658,786,633	384,189,116	1,366,115,062	104,862,223	C.Y. 2019
219,734,524	141,544,194	59,592,022	38,920,863	15,906,784	20,408,974	18,578,925	606,974,051	350,441,845	1,277,017,989	100,358,607	C.Y. 2020
236,766,382	152,136,522	72,635,890	39,678,482	16,699,965	21,336,436	19,054,319	637,738,384	373,969,562	1,276,015,810	102,186,776	C.Y. 2021
235,416,719	160,691,005	74,105,102	39,630,989	15,692,412	20,981,466	17,588,849	652,794,005	380,481,610	1,356,054,984	104,637,390	F.Y. 2019
221,452,745	135,348,388	59,412,883	38,317,494	16,045,062	20,072,698	18,818,116	603,862,902	348,380,665	1,263,254,148	99,666,801	F.Y. 2020
62,607,115	37,771,334	18,006,466	9,987,752	4,472,804	4,970,774	4,805,039	156,553,405	89,648,075	331,650,254	26,820,052	Q1 2021
56,903,877	36,203,771	18,067,463	9,264,677	3,736,428	5,199,490	4,544,432	155,228,746	93,186,274	298,341,443	23,624,430	Q2
57,785,284	39,199,266	18,278,101	10,172,226	4,556,202	5,470,134	4,976,796	165,079,822	95,817,499	325,469,704	24,897,430	Q3
59,470,105	38,962,150	18,283,861	10,253,827	3,934,532	5,696,037	4,728,052	160,876,411	95,317,715	320,554,410	26,844,865	Q4
21,250,540	13,005,299	6,146,155	3,144,195	1,498,316	1,676,927	1,479,634	53,449,200	30,083,029	116,708,216	9,761,624	Jan. 2021
20,191,971	11,513,855	5,561,083	3,122,426	1,408,078	1,558,526	1,487,220	49,301,291	28,556,125	103,438,604	8,370,268	Feb.
21,164,604	13,252,180	6,299,228	3,721,131	1,566,409	1,735,322	1,838,185	53,802,914	31,008,920	111,503,434	8,688,160	Mar.
19,718,701	12,590,458	5,737,737	3,284,072	1,191,415	1,708,483	1,491,121	51,721,690	30,659,540	102,185,609	8,334,279	Apr.
18,355,779	12,442,939	6,296,921	2,809,017	1,246,926	1,817,626	1,581,855	51,651,079	30,837,211	100,589,421	7,856,034	May
18,829,397	11,170,374	6,032,804	3,171,588	1,298,087	1,673,382	1,471,457	51,855,977	31,689,522	95,566,413	7,434,117	Jun.
19,943,085	12,589,629	6,013,281	3,359,842	1,568,036	1,769,837	1,559,797	55,466,942	32,362,542	106,985,819	7,965,829	Jul.
18,829,489	13,413,571	6,109,416	3,247,974	1,507,944	1,869,457	1,721,035	55,496,164	31,834,174	112,018,219	8,465,747	Aug.
19,012,710	13,196,066	6,155,404	3,564,410	1,480,222	1,830,840	1,695,964	54,116,716	31,620,784	106,465,665	8,465,854	Sep.
18,846,908	13,778,024	6,144,966	3,314,630	951,114	1,897,175	1,382,283	53,988,289	32,338,336	104,970,956	8,713,144	Oct.
19,992,672	12,068,830	6,136,472	3,600,439	1,224,814	1,905,262	1,677,645	52,426,555	31,492,174	103,394,543	8,668,651	Nov.
20,630,525	13,115,296	6,002,423	3,338,758	1,758,604	1,893,600	1,668,123	54,461,567	31,487,206	112,188,911	9,463,070	Dec.

Notes 2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業 種 別 統 計 Statistics by industry

(1) 業種別エネルギー消費 (令和3年)

Energy consumption by industry (C.Y.2021)

1) 固有単位表(事業所ベース) Table of original unit (establishment basis)

業 種 Industry	合計 注2 Total		燃料計 Fuel total		石油系燃料計 Oil based fuels total				
	(原油換算) (Crude petroleum equivalent) kl	うち指定生産品目分 Specified products (原油換算) (Crude petroleum equivalent) kl	(原油換算) (Crude petroleum equivalent) kl	(原油換算) (Crude petroleum equivalent) kl	注1 原油 Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
1 合計 Total	197,612,261	145,862,346	185,104,317	74,324,947	123,541	45,784	31,023,551	15,101,547	948,272
ネット Net	154,578,589		142,070,645						
2 重複事業所分補正量 Duplication adjustment	4,239,335	-	3,921,353	128,359	-	1,151	-	-	9,237
3 パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,689,861	10,207,502	11,195,104	929,290	...	80	-	-	6,430
4 化学工業 Chemical industry	75,212,621	60,182,766	71,642,606	56,926,570	123,541	198	30,847,139	15,101,547	679,022
5 化学繊維工業 Chemical fibers industry	2,191,262	535,311	1,893,714	426,870	...	56	-	-	2,156
6 石油製品工業 Petroleum products industry	13,654,082	12,051,302	13,139,656	12,615,406	...	186	176,412	-	118,127
7 窯業・土石製品工業 Ceramics, clay and stone products industry	9,559,260	6,438,001	9,122,087	1,742,504	...	348	-	-	16,696
8 ガラス製品工業 Glass products industry	498,844	483,448	393,397	49,682	...	-	-	-	107
9 鉄鋼業 Iron and steel industry	83,745,996	52,050,437	79,142,846	1,262,776	...	1,462	-	-	84,342
10 非鉄金属地金工業 Non-ferrous metals industry	1,082,585	918,925	553,487	241,969	...	52	-	-	15,675
11 機械工業 Machinery industry	4,217,087	2,994,655	1,942,773	258,240	...	44,553	-	-	34,954

2) 熱量単位表(事業所ベース) Table of energy unit (establishment basis)

1 合計 Total	7,647,594,696	5,644,872,924	7,163,537,271	2,876,375,640	4,299,227	1,529,208	1,033,084,248	508,922,134	34,612,245
ネット Net	5,982,191,586		5,498,134,161						
2 重複事業所分補正量 Duplication adjustment	164,062,281	-	151,756,351	4,967,510	-	38,443	-	-	337,151
3 パルプ・紙・板紙工業 Pulp, paper, paperboard industry	452,397,636	395,030,360	433,250,545	35,963,539	...	2,672	-	-	234,696
4 化学工業 Chemical industry	2,910,728,458	2,329,073,045	2,772,568,886	2,203,058,283	4,299,227	6,613	1,027,209,729	508,922,134	24,784,303
5 化学繊維工業 Chemical fibers industry	84,801,834	20,716,533	73,286,753	16,519,863	...	1,870	-	-	78,694
6 石油製品工業 Petroleum products industry	528,412,983	466,385,373	508,504,681	488,216,219	...	6,212	5,874,520	-	4,311,636
7 窯業・土石製品工業 Ceramics, clay and stone products industry	369,943,364	249,150,632	353,024,782	67,434,937	...	11,623	-	-	609,404
8 ガラス製品工業 Glass products industry	19,305,279	18,709,445	15,224,474	1,922,688	...	-	-	-	3,906
9 鉄鋼業 Iron and steel industry	3,240,970,062	2,014,351,920	3,062,828,162	48,869,462	...	48,831	-	-	3,078,502
10 非鉄金属地金工業 Non-ferrous metals industry	1,839,829,358	35,562,407	1,661,687,458	9,364,190	...	1,737	-	-	572,138
11 機械工業 Machinery industry	163,201,335	115,893,209	75,185,389	9,993,968	...	1,488,093	-	-	1,276,117

注 1. 原油にはNGL・コンデンセートを含む。

注 2. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値(下段)を表示。

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	
227,186	4,449,319	599,076	3,850,243	1,609,584	5,221,355	12,289,031	3,562,542	350,543	389,967	1
5,070	54,458	7,861	46,597	-	6,590	-	54,521	-	-	2
3,755	667,731	66,403	601,328	45,392	22,938	-	114,585	-	26,946	3
156,956	1,106,941	53,839	1,053,102	1,129,924	4,554,098	5,173,740	1,430,985	-	22,093	4
159	192,317	24,727	167,590	336	4,234	-	247,464	-	-	5
2,987	1,584,851	152,706	1,432,145	89,493	297,116	7,115,245	502,762	350,543	-	6
12,969	411,218	31,549	379,669	219,965	20,576	-	818,264	-	302,113	7
33	41,011	3,337	37,674	-	561	-	-	-	4,598	8
25,112	317,885	161,852	156,033	82,668	239,043	46	499,213	-	1,438	9
3,426	129,288	59,996	69,292	41,798	6,264	-	3,790	-	32,779	10
26,859	52,535	52,528	7	8	83,115	-	-	-	-	11

単位 Unit: GJ

8,633,031	184,246,589	23,305,117	160,941,472	64,384,014	261,593,321	626,740,581	118,632,649	14,021,720	15,676,673	1
192,660	2,253,548	305,793	1,947,755	-	330,159	-	1,815,549	-	-	2
142,690	27,719,044	2,583,496	25,135,547	1,816,334	1,149,194	-	3,815,681	-	1,083,229	3
5,964,328	46,114,001	2,094,337	44,019,664	45,196,960	228,160,310	263,860,740	47,651,801	-	888,139	4
6,042	7,967,142	961,880	7,005,262	13,440	212,123	-	8,240,551	-	-	5
113,506	65,803,924	5,940,263	59,863,661	3,579,720	14,885,512	362,877,495	16,741,975	14,021,720	-	6
492,822	17,098,497	1,227,256	15,871,241	8,798,600	1,030,858	-	27,248,191	-	12,144,943	7
1,254	1,704,583	129,809	1,574,773	-	28,106	-	-	-	184,840	8
954,252	12,818,477	6,296,096	6,522,381	3,306,720	11,978,734	2,346	16,623,793	-	57,808	9
130,166	5,230,480	2,334,075	2,896,406	1,671,920	313,826	-	126,207	-	1,317,716	10
1,020,630	2,043,990	2,043,697	293	320	4,164,818	-	-	-	-	11

Notes 1. Crude petroleum includes NGL・condensate in liquid form.

2. Net consumption is shown for Total and three industrial categories(Chemical industry,Ceramics,clay and stone products industry, Iron and steel industry).

1) 固有単位表(事業所ベース) (つづき)

Table of original unit (establishment basis) (continued)

業種 Industry	燃料計(つづき) Fuel total (continued)									
	非石油系燃料計 Non-oil based fuels total									
	(原油換算) (Crude petroleum equivalent) kl	注3 石炭 Coal t	注4 石炭コークス Coal coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	
1 合計 Total ネット Net	110,779,370	81,190,032	28,682,013	525,211	10,873,325	77,985,139	4,701,798	86,101	669,954	
2 重複事業所分補正量 Duplication adjustment	3,792,993	4,988,988	98,567	-	-	-	-	-	98,597	
3 パルプ・紙・板紙工業 Pulp, paper, paperboard industry	10,265,814	5,191,525	4,668	...	-	-	-	-	77,355	
4 化学工業 Chemical industry	14,716,036	16,614,939	153,372	418,767	1,208,551	1,285,737	-	-	448,852	
5 化学繊維工業 Chemical fibers industry	1,466,845	1,307,995	-	...	-	-	-	-	-	
6 石油製品工業 Petroleum products industry	524,250	289,854	-	...	-	-	-	-	61,962	
7 窯業・土石製品工業 Ceramics, clay and stone products industry	7,379,583	9,514,923	203,782	...	282,586	22,282	211,288	5,835	114,251	
8 ガラス製品工業 Glass products industry	343,716	-	-	...	-	-	-	-	-	
9 鉄鋼業 Iron and steel industry	77,880,070	53,206,752	28,231,878	106,444	9,382,188	76,262,661	4,490,510	80,266	23,895	
10 非鉄金属地金工業 Non-ferrous metals industry	311,518	53,032	177,451	...	-	414,459	-	-	1,419	
11 機械工業 Machinery industry	1,684,533	-	9,429	...	-	-	-	-	40,817	

2) 熱量単位表(事業所ベース) (つづき)

Table of energy unit (establishment basis) (continued)

1 合計 Total ネット Net	4,287,161,631	2,225,942,158	831,778,603	19,590,370	220,728,498	278,406,946	39,165,977	717,221	28,473,045
2 重複事業所分補正量 Duplication adjustment	146,788,841	130,212,587	2,858,443	-	-	-	-	-	4,190,373
3 パルプ・紙・板紙工業 Pulp, paper, paperboard industry	397,287,006	135,489,877	135,372	...	-	-	-	-	3,287,588
4 化学工業 Chemical industry	569,510,603	433,649,908	4,447,788	15,620,009	24,533,585	4,590,081	-	-	19,076,210
5 化学繊維工業 Chemical fibers industry	56,766,889	34,138,670	-	...	-	-	-	-	-
6 石油製品工業 Petroleum products industry	20,288,462	7,565,189	-	...	-	-	-	-	2,633,385
7 窯業・土石製品工業 Ceramics, clay and stone products industry	285,589,845	248,339,490	5,909,904	...	5,736,496	79,547	1,760,029	48,606	4,855,668
8 ガラス製品工業 Glass products industry	13,301,787	-	-	...	-	-	-	-	-
9 鉄鋼業 Iron and steel industry	3,013,958,700	1,495,587,476	818,724,462	3,970,361	190,458,416	272,257,700	37,405,948	668,616	1,015,538
10 非鉄金属地金工業 Non-ferrous metals industry	12,055,760	1,384,135	5,146,079	...	-	1,479,619	-	-	60,308
11 機械工業 Machinery industry	65,191,422	-	273,441	...	-	-	-	-	1,734,723

注 3. 合計、鉄鋼業における石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

液化天然ガス Liquefied natural gas t	都市ガス (B) Town gas(B) 1000m ³	回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	うち購入分 among those purchased 1000kWh	蒸気 Steam t	うち受入分 among those accepted t	
1,536,578	5,760,739	11,187,712	10,201,670	2,320,870	503,011	728,206	708,180	177,149,551	103,880,434	477,015,247	38,200,662	1
21,761	179,713	-	-	-	12,941	17,791	-	11,806,551	2,692,418	37,100,780	443,166	2
108,630	819,768	11,187,712	...	2,290,180	251,488	48,471	657,084	24,270,244	4,535,229	146,511,552	703,836	3
683,772	517,242	...	...	-	179,222	87,385	15,669	35,717,083	17,234,248	145,227,560	27,415,094	4
13,717	532,309	...	...	-	-	-	-	5,498,934	2,282,606	20,431,466	1,232,785	5
181,233	4,293	...	...	-	-	-	-	10,385,432	2,370,521	73,072,597	4,252,122	6
864	94,733	...	...	1,871	79,506	385,486	35,427	15,912,078	4,234,321	48,649,674	92,437	7
69,266	231,458	...	...	-	-	-	-	1,225,566	1,076,462	131,199	-	8
374,920	2,273,979	...	10,201,670	28,819	5,736	224,655	-	63,076,197	46,159,094	76,504,081	4,473,057	9
27,385	60,527	...	...	-	-	-	-	5,446,384	4,231,497	3,587,898	474,497	10
98,552	1,406,143	...	...	-	-	-	-	27,424,184	24,448,874	...	...	11

単位 Unit: GJ

84,050,817	236,766,382	152,136,522	72,635,890	39,678,482	16,699,965	21,336,436	19,054,319	637,738,384	373,969,562	1,276,015,810	102,186,776	1
1,190,327	7,386,194	-	-	-	429,641	521,276	-	42,503,584	9,692,705	99,244,587	1,185,469	2
5,942,061	33,692,465	152,136,522	...	39,153,683	8,349,402	1,420,200	17,679,836	87,372,878	16,326,824	391,918,409	1,882,762	3
37,402,328	21,258,646	...	...	-	5,950,170	2,560,381	421,496	128,581,499	62,043,293	388,483,728	73,335,380	4
750,320	21,877,900	...	...	-	-	-	-	19,796,162	8,217,382	54,654,174	3,297,700	5
9,913,445	176,442	...	...	-	-	-	-	37,387,555	8,533,876	195,469,199	11,374,427	6
47,261	3,893,526	...	...	31,994	2,639,599	11,294,740	952,986	57,283,481	15,243,556	130,137,880	247,269	7
3,788,850	9,512,936	...	...	-	-	-	-	4,412,038	3,875,263	350,958	-	8
20,508,124	93,460,537	...	72,635,890	492,805	190,435	6,582,392	-	227,074,309	166,172,738	204,648,422	11,965,428	9
1,497,960	2,487,660	...	...	-	-	-	-	19,606,982	15,233,389	9,597,628	1,269,280	10
5,390,794	57,792,464	...	...	-	-	-	-	98,727,062	88,015,946	...	...	11

Notes 3. The numerical value of total and the iron and steel industry includes raw materials charcoal for coke production.

4. Coal coke includes pitch coke.

(2) 燃料受払 Fuel input and output

1) 燃料種別表(事業所ベースの9調査対象業種合計)(令和3年) Table by fuels (C.Y.2021)

① 固有単位表

Table of original unit

種別	単位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合計(原油換算) (ネット)	kl	141,578,669	43,150,681	185,104,317	30,576,596	4,995,150
石油系燃料(原油換算)	"	55,174,533	-	74,324,947	7,915,962	2,467,776
原油(注1)	"	123,614	...	123,541	304	-
ガソリン	"	45,505	...	45,784	...	...
ナフサ	"	30,916,571	...	31,023,551	46	1,264
改質生成油	"	15,170,553	...	15,101,547	-	-
灯油	"	831,196	...	948,272	18,176	117,666
軽油	"	224,641	...	227,186	42	571
重油計	"	2,862,083	...	4,449,319	2,570,351	103,986
A重油	"	451,649	...	599,076	255,136	41,697
B・C重油	"	2,410,434	...	3,850,243	2,315,215	62,289
炭化水素油	"	570,111	...	1,609,584	846,529	-
液化石油ガス	t	5,415,532	...	5,221,355	107,590	159,266
石油系炭化水素ガス	1000m ³	233,011	...	12,289,031	1,763,791	1,355,422
オイルコーク	t	3,297,158	...	3,562,542	1,936,547	-
アスファルト	"	-	...	350,543	105,221	245,322
再生油(石油由来)	kl	389,424	-	389,967	26,577	-
非石油系燃料(原油換算)	kl	86,404,136	43,150,681	110,779,370	22,660,634	2,527,374
石炭(注2)	t	87,250,173	...	81,190,032	17,012,274	-
タール(注3)	"	7,720,190	30,659,291	28,682,013	-	-
コークス	"	369,150	844,553	525,211	-	-
コークス炉ガス	1000m ³	1,965,159	13,128,013	10,873,325	1,465,356	-
高転炉ガス	"	2,866,458	113,304,306	77,985,139	26,836,155	77,134
電転炉ガス	"	263,673	6,689,865	4,701,798	1,501,373	-
天然ガス	"	5,835	95,911	86,101	74,214	-
液状天然ガス	"	561,497	56,391	669,954	209,533	196,438
都市ガス(A)	t	1,688,389	...	1,536,578	225,803	368,075
都市ガス(B)	1000m ³	5,309,245	...	5,309,245	1,064,243	1,554,539
回収黒液素材	絶乾(Dry) t	5,760,795	...	5,760,739	1,151,207	1,679,933
酸廃	1000Nm ³	11,187,608	...	11,187,712	11,187,712	-
酸廃	絶乾(Dry) t	8,359,641	2,424,339	10,201,670	...	-
酸廃	t	2,319,363	-	2,320,870	2,313,753	-
酸廃	"	500,926	-	503,011	430,710	-
酸廃	"	731,476	72,752	728,206	48,384	87
酸廃	"	703,134	-	708,180	678,329	145

② 熱量単位表

Table of energy unit

種別	単位	受入	発生・回収 又は生産	合計	ボイラ用	コージェネ レーション用
合計(原油換算) (ネット)	GJ	5,479,094,675	1,669,931,361	7,163,537,271	1,183,314,256	193,312,287
石油系燃料(原油換算)	"	2,135,254,635	-	2,876,375,640	306,347,707	95,502,920
原油(注1)	"	4,301,767	...	4,299,227	10,579	-
ガソリン	"	1,519,880	...	1,529,208	...	...
ナフサ	"	1,029,521,814	...	1,033,084,248	1,532	42,091
改質生成油	"	511,247,636	...	508,922,134	-	-
灯油	"	30,338,959	...	34,612,245	663,429	4,294,809
軽油	"	8,536,321	...	8,633,031	1,596	21,698
重油計	"	118,327,732	...	184,246,589	106,701,560	4,225,694
A重油	"	17,570,220	...	23,305,117	9,925,560	1,622,013
B・C重油	"	100,757,513	...	160,941,472	96,776,000	2,603,680
炭化水素油	"	22,805,369	...	64,384,014	33,861,160	-
液化石油ガス	"	271,321,388	...	261,593,321	5,390,259	7,979,227
石油系炭化水素ガス	"	11,883,561	...	626,740,581	89,953,341	69,126,522
オイルコーク	"	109,795,361	...	118,632,649	64,487,015	-
アスファルト	"	-	...	14,021,720	4,208,840	9,812,880
再生油(石油由来)	"	15,654,845	-	15,676,673	1,068,395	-
非石油系燃料(原油換算)	"	3,343,840,041	1,669,931,361	4,287,161,631	876,966,549	97,809,367
石炭(注2)	"	2,392,538,094	...	2,225,942,158	444,057,024	-
タール(注3)	"	223,885,726	889,119,439	831,778,603	-	-
コークス	"	13,769,295	31,501,827	19,590,370	-	-
コークス炉ガス	"	39,892,728	266,498,664	220,728,498	29,746,727	-
高転炉ガス	"	10,233,255	404,496,372	278,406,946	95,805,073	275,368
電転炉ガス	"	2,196,396	55,726,575	39,165,977	12,506,437	-
天然ガス	"	48,606	798,939	717,221	618,203	-
液状天然ガス	"	23,863,623	2,396,618	28,473,045	8,905,153	8,348,615
都市ガス(A)	"	92,354,878	...	84,050,817	12,351,424	20,133,703
都市ガス(B)	"	236,768,696	...	236,766,382	47,314,621	69,045,232
回収黒液素材	"	152,135,152	...	152,136,522	152,136,522	-
酸廃	"	59,520,644	17,261,294	72,635,890	...	-
酸廃	"	39,651,543	-	39,678,482	39,556,816	-
酸廃	"	16,630,743	-	16,699,965	14,299,572	-
酸廃	"	21,432,247	2,131,634	21,336,436	1,417,651	2,549
酸廃	"	18,918,416	-	19,054,319	18,251,327	3,901

注1. 原油にはNGL・コンデンセートを含む。
 注2. 石炭にはコークス製造用炭(原料炭)を含む。
 注3. 石炭コークスにはピッチコークスを含む。

Consumption				払出 Shipments	年末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
149,532,572	82,181,274	64,617,962	2,733,335	19,848,231	9,171,836	Total(Crude petroleum equivalent) (Net)
63,941,210	48,047,889	14,667,481	1,225,840	897,681	1,506,297	Oil based fuels (Crude petroleum equivalent)
123,237	123,237	-	-	22,209	499	Crude petroleum
45,784	...	57	45,727	43	1,702	Gasoline
31,022,241	30,987,980	28,707	5,554	24,697	518,962	Naphtha
15,101,547	15,101,547	-	-	69,811	3,436	Oil produced by conversion
812,430	644,515	125,694	42,221	1,102	17,455	Kerosene
226,573	153,818	7,188	65,567	365	10,242	Gas oil
1,774,982	422,864	1,222,225	129,893	46,313	247,886	Heavy Fuel oil total
302,243	1	241,842	60,400	7,371	55,429	Heavy Fuel oil A
1,472,739	422,863	980,383	69,493	38,942	192,457	Heavy Fuel oil B・C
763,055	361,206	395,399	6,450	4,371	12,005	Hydrocarbon oil
4,954,499	4,177,210	450,832	326,457	401,524	123,530	Liquefied petroleum gas
9,169,818	376,458	8,427,406	365,954	...	...	Hydrocarbon gas
1,625,995	731,873	883,601	10,521	256,187	677,878	Petroleum coke
-	-	-	-	-	-	Asphalt
363,390	-	343,225	20,165	2	8,752	Reproduction oil (Oil origin)
85,591,362	34,133,386	49,950,481	1,507,495	18,950,550	7,665,539	Non-oil based fuels (Crude petroleum equivalent)
64,177,758	44,772,054	19,371,276	34,428	7,149,388	8,317,744	Coal
28,682,013	483,057	28,119,530	79,426	9,293,972	2,135,460	Coal coke
525,211	525,211	-	-	656,840	47,754	Tar
9,407,969	7,089	8,949,725	451,155	4,030,230	...	Coke oven gas
51,071,850	-	46,653,319	4,418,531	36,929,834	...	Blast furnace gas
3,200,425	-	2,923,824	276,601	1,933,891	...	Converter furnace gas
11,887	-	11,887	-	15,645	...	Electric furnace gas
263,983	72,485	171,212	20,286	11,069	18	Natural gas
942,700	232,467	662,368	47,865	163,484	45,736	Liquefied natural gas
2,690,463	-	2,317,212	373,251	...	...	Town gas(A)
2,929,599	-	2,522,317	407,282	...	...	Town gas(B)
-	-	-	-	-	3,296	Black liquor
10,201,670	-	9,223,770	977,900	380,920	1,360	Oxygen
7,117	-	6,701	416	3,812	43,200	Waste material
72,301	5,736	66,565	-	-	26,630	Used tires
679,735	226,617	428,826	24,292	48,415	30,185	Waste plastic
29,706	-	29,706	-	-	16,400	Refuse Paper & Plastic Fuel
5,786,910,728	3,180,415,325	2,500,715,166	105,780,238	768,126,535	354,950,061	Total(Crude petroleum equivalent) (Net)
2,474,525,013	1,859,453,299	567,631,556	47,440,158	34,740,251	58,293,684	Oil based fuels (Crude petroleum equivalent)
4,288,648	4,288,648	-	-	772,873	18,100	Crude petroleum
1,529,208	...	1,904	1,527,305	1,436	56,847	Gasoline
1,033,040,625	1,031,899,734	955,943	184,948	822,410	17,281,435	Naphtha
508,922,134	508,922,134	-	-	2,352,631	115,793	Oil produced by conversion
29,654,007	23,524,798	4,588,143	1,541,067	40,223	637,110	Kerosene
8,609,737	5,845,084	273,140	2,491,512	13,870	389,196	Gas oil
73,319,336	17,675,712	50,388,122	5,255,501	1,914,508	10,200,964	Heavy Fuel oil total
11,757,544	39	9,407,892	2,349,613	286,732	2,156,242	Heavy Fuel oil A
61,561,792	17,675,673	40,980,230	2,905,889	1,627,776	8,044,723	Heavy Fuel oil B・C
30,522,854	14,448,240	15,816,614	258,000	174,840	480,200	Hydrocarbon oil
248,223,836	209,278,221	22,588,426	16,357,188	20,116,352	6,188,871	Liquefied petroleum gas
467,660,718	19,199,358	429,797,706	18,663,654	...	...	Hydrocarbon gas
54,145,634	24,371,371	29,423,913	350,349	8,531,027	22,573,337	Petroleum coke
-	-	-	-	-	-	Asphalt
14,608,278	-	13,797,645	810,633	80	351,830	Reproduction oil (Oil origin)
3,312,385,715	1,320,962,026	1,933,083,610	58,340,080	733,386,285	296,656,377	Non-oil based fuels (Crude petroleum equivalent)
1,781,885,135	1,264,592,225	516,394,011	898,898	195,859,251	227,441,347	Coal
831,778,603	14,008,653	815,466,596	2,303,354	269,525,188	61,928,356	Coal coke
19,590,370	19,590,370	-	-	24,500,132	1,781,224	Tar
190,981,771	143,907	181,679,418	9,158,447	81,813,669	...	Coke oven gas
182,326,505	-	166,552,349	15,774,156	131,839,507	...	Blast furnace gas
26,659,540	-	24,355,454	2,304,086	16,109,312	...	Converter furnace gas
99,019	-	99,019	-	130,323	...	Electric furnace gas
11,219,278	3,080,613	7,276,510	862,155	470,433	765	Natural gas
51,565,690	12,715,945	36,231,530	2,618,216	8,942,575	2,501,759	Liquefied natural gas
120,406,529	-	103,667,244	16,739,286	...	...	Town gas
-	-	-	-	-	44,826	Black liquor
72,635,890	-	65,673,242	6,962,648	2,712,150	9,683	Oxygen
121,666	-	114,587	7,079	65,185	738,720	Waste material
2,400,393	190,435	2,209,958	-	-	884,116	Used tires
19,916,236	6,639,878	12,564,602	711,756	1,418,560	884,421	Waste plastic
799,091	-	799,091	-	-	441,160	Refuse Paper & Plastic Fuel

Notes 1. Crude petroleum includes NGL・condensate in liquid form.
 2. Coal includes the coal for manufacturing coke (material coal).
 3. Coal coke includes pitch coke.

2) 業種別表(事業所ベース)(令和3年)

Table for individual industry

① パルプ・紙・板紙工業

Pulp, paper, paperboard industry

種 別	単 位 Unit	受入 Receipts	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	11,298,260	11,195,104	10,221,239	556,451
石 油 系 燃 料 (原 油 換 算)	"	929,813	929,290	604,188	821
ガ ソ リ ン	"	79	80	...	...
灯 油	"	6,363	6,430	2,140	-
軽 油	"	3,886	3,755	41	134
重 油 計	"	665,624	667,731	446,852	686
A 重 油	"	67,052	66,403	59,168	686
B ・ C 重 油	"	598,572	601,328	387,684	-
炭 化 水 素 油	"	48,691	45,392	31,747	-
液 化 石 油 ガ ス	t	22,999	22,938	6,481	-
オ イ ル コ ー ク ス	"	113,791	114,585	88,506	-
再 生 油 (石 油 由 来)	kl	26,916	26,946	6,301	-
非 石 油 系 燃 料 (原 油 換 算)	kl	10,368,447	10,265,814	9,617,051	555,630
石 炭 コ ー ク ス	t	5,350,822	5,191,525	5,191,525	-
天 然 ガ ス	1000m ³	4,500	4,668	-	-
液 化 天 然 ガ ス	t	77,355	77,355	15,149	58,288
都 市 ガ ス (A)	1000m ³	108,704	108,630	58,487	38,062
都 市 ガ ス (B)	"	760,026	760,026	323,273	379,870
回 収 黒 液	絶乾(Dry) t	819,781	819,768	345,582	412,097
廃 材	"	11,187,608	11,187,712	11,187,712	-
廃 プ タ イ ッ ク	t	2,288,673	2,290,180	2,284,934	-
廃 プ ラ ス チ ッ ク	t	251,090	251,488	251,488	-
R P F	"	48,405	48,471	48,384	87
	"	652,271	657,084	656,939	145

② 化学繊維工業

Chemical fibers industry

種 別	単 位 Unit	受入 Receipts	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	1,982,066	1,893,714	1,329,158	427,564
石 油 系 燃 料 (原 油 換 算)	"	447,543	426,870	373,609	5,917
ガ ソ リ ン	"	56	56	...	...
灯 油	"	2,178	2,156	431	-
軽 油	"	161	159	-	70
重 油 計	"	190,945	192,317	148,243	5,818
A 重 油	"	23,704	24,727	13,947	5,818
B ・ C 重 油	"	167,241	167,590	134,296	-
炭 化 水 素 油	"	336	336	336	-
液 化 石 油 ガ ス	t	4,228	4,234	655	-
オ イ ル コ ー ク ス	"	273,105	247,464	247,464	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,534,523	1,466,845	955,550	421,648
石 炭 コ ー ク ス	t	1,408,412	1,307,995	1,307,995	-
液 化 天 然 ガ ス	"	13,686	13,717	11,555	1,420
都 市 ガ ス (A)	1000m ³	489,555	489,555	51,576	361,258
都 市 ガ ス (B)	"	532,308	532,309	53,748	395,136
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(establishment basis) (C.Y.2021)

費 Consumption			払出 Shipments	年末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
417,414	367,109	50,305	152,068	424,109	Total (Crude petroleum equivalent)
324,282	287,051	37,230	38,807	79,563	Oil based fuels (Crude petroleum equivalent)
80	...	80	-	1	Gasoline
4,290	3,639	651	132	901	Kerosene
3,580	26	3,554	142	17	Gas oil
220,193	206,747	13,446	35,762	63,820	Heavy Fuel oil total
6,549	5,858	691	1,111	6,723	Heavy Fuel oil A
213,644	200,889	12,755	34,651	57,097	Heavy Fuel oil B・C
13,645	13,308	337	-	5,681	Hydrocarbon oil
16,457	9,285	7,172	-	322	Liquefied petroleum gas
26,079	20,080	5,999	-	2,602	Petroleum coke
20,645	16,995	3,650	-	1,675	Reproduction oil (Oil origin)
93,133	80,058	13,075	113,261	344,545	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	165,441	439,249	Coal
4,668	-	4,668	-	211	Coal coke
3,918	3,751	167	-	...	Natural gas
12,081	10,651	1,430	-	729	Liquefied natural gas
56,883	50,668	6,215	...	...	Town gas(A)
62,089	55,319	6,770	...	...	Town gas(B)
-	-	-	-	3,296	Black liquor
5,246	4,830	416	3,812	43,200	Waste material
-	-	-	-	18,125	Used tires
-	-	-	-	3	Waste plastic
-	-	-	-	16,287	Refuse Paper & Plastic Fuel

費 Consumption			払出 Shipments	年末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
136,992	79,607	57,384	-	244,372	Total (Crude petroleum equivalent)
47,344	25,062	22,283	-	107,307	Oil based fuels (Crude petroleum equivalent)
56	...	56	-	-	Gasoline
1,725	230	1,495	-	85	Kerosene
89	1	88	-	11	Gas oil
38,256	21,499	16,757	-	24,655	Heavy Fuel oil total
4,962	1,132	3,830	-	5,718	Heavy Fuel oil A
33,294	20,367	12,927	-	18,937	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
3,579	1,319	2,260	-	90	Liquefied petroleum gas
-	-	-	-	94,017	Petroleum coke
-	-	-	-	-	Reproduction oil (Oil origin)
89,647	54,546	35,102	-	137,065	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	202,637	Coal
742	742	-	-	285	Liquefied natural gas
76,721	46,658	30,063	...	...	Town gas(A)
83,425	50,373	33,052	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

③ 石油製品工業 Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	260,721	13,139,656	3,732,754	1,837,292
石 油 系 燃 料 (原 油 換 算)	"	-	12,615,406	3,518,602	1,769,307
ガ ソ リ ン	"	...	186	...	...
ナ フ サ	"	...	176,412	46	1,264
灯 油	"	...	118,127	1,751	114,994
軽 油	"	...	2,987	-	-
重 油 計	"	...	1,584,851	1,269,674	35,978
A 重 油	"	...	152,706	86,697	20,796
B ・ C 重 油	"	...	1,432,145	1,182,977	15,182
炭 化 水 素 油	"	...	89,493	89,493	-
液 化 石 油 ガ ス	t	...	297,116	5,499	111,691
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	7,115,245	1,146,617	929,032
オ イ ル コ ー ク ス	t	...	502,762	502,762	-
ア ス フ ァ ル ト	"	...	350,543	105,221	245,322
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	260,721	524,250	214,152	67,985
石 炭	t	-	289,854	289,854	-
天 然 ガ ス	1000m ³	-	61,962	2,044	-
液 化 天 然 ガ ス	t	181,233	181,233	8,439	48,099
都 市 ガ ス (A)	1000m ³	3,920	3,920	3,865	-
都 市 ガ ス (B)	"	4,293	4,293	4,234	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業 Glass products industry

種 別	単 位 Unit	受 入 Receipts	消		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	394,613	393,397	4,559	29,573
石 油 系 燃 料 (原 油 換 算)	"	50,894	49,682	23	210
ガ ソ リ ン	"	-	-	...	...
灯 油	"	117	107	24	-
軽 油	"	46	33	-	-
重 油 計	"	42,161	41,011	-	209
A 重 油	"	3,857	3,337	-	209
B ・ C 重 油	"	38,304	37,674	-	-
液 化 石 油 ガ ス	t	549	561	-	-
再 生 油 (石 油 由 来)	kl	4,600	4,598	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	343,720	343,716	4,536	29,363
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	69,269	69,266	291	4,568
都 市 ガ ス (A)	1000m ³	213,333	213,333	3,567	19,699
都 市 ガ ス (B)	"	231,458	231,458	3,884	21,569
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

費 Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
7,569,610	894,393	6,312,782	362,435	Total
7,327,497	774,003	6,203,006	350,489	(Crude petroleum equivalent)
186	...	...	186	Oil based fuels
175,102	146,395	28,707	-	(Crude petroleum equivalent)
1,382	-	456	926	Gasoline
2,987	-	2,399	588	Naphtha
279,199	-	252,897	26,302	Kerosene
45,213	-	39,171	6,042	Gas oil
233,986	-	213,726	20,260	Heavy Fuel oil total
-	-	-	-	Heavy Fuel oil A
179,926	139,736	40,164	26	Heavy Fuel oil B・C
5,039,596	354,474	4,441,625	243,497	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
242,113	120,390	109,776	11,946	Non-oil based fuels
-	-	-	-	(Crude petroleum equivalent)
59,918	22,263	34,447	3,208	Coal
124,695	67,878	50,902	5,915	Natural gas
55	-	-	55	Liquefied natural gas
59	-	-	59	Town gas(A)
-	-	-	-	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

費 Consumption			払 出 Shipments	年 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
359,265	351,988	7,277	605	4,051	Total
49,449	48,838	611	605	4,018	(Crude petroleum equivalent)
-	...	-	...	...	Oil based fuels
83	40	43	20	65	(Crude petroleum equivalent)
33	21	12	13	-	Gasoline
40,802	40,259	543	570	3,545	Kerosene
3,128	2,585	543	570	-	Gas oil
37,674	37,674	-	-	2,593	Heavy Fuel oil total
561	551	10	-	15	Heavy Fuel oil A
4,598	4,598	-	-	173	Heavy Fuel oil B・C
309,816	303,150	6,666	-	33	Liquefied petroleum gas
-	-	-	-	-	Reproduction oil (Oil origin)
64,407	64,407	-	-	23	Non-oil based fuels
190,067	184,304	5,763	...	...	(Crude petroleum equivalent)
206,005	199,729	6,277	...	...	Natural gas
-	-	-	-	-	Liquefied natural gas
-	-	-	-	-	Town gas(A)
-	-	-	-	-	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

⑤ 化学工業 Chemical industry

種 別	単 位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計(原油換算)(注1) (ネット)	kl "	64,254,574	6,926,088	71,642,610 64,814,124	7,774,580	1,290,439
石油系燃料(原油換算)	"	50,154,852	-	50,154,852	3,001,089	635,231
原 油	"	-	...	-	-	-
NGL・コンデンセート	"	123,614	...	123,541	304	-
ガソリン	"	202	...	198	...	...
ナフセン	"	30,916,571	...	30,847,139	-	-
改質生成油	"	15,170,553	...	15,101,547	...	...
灯油	"	679,282	...	679,022	1,012	2,672
軽油	"	156,904	...	156,956	1	-
重油	"	1,103,435	...	1,106,941	549,802	9,142
油計	"	54,365	...	53,839	25,665	8,840
A重油	"	1,049,070	...	1,053,102	524,137	302
B・C重油	"	174,917	...	1,129,924	724,953	-
炭化水素ガス	t	5,046,147	...	4,554,098	29,183	47,575
石油系炭化水素ガス(注2)	1000m ³	232,965	...	5,173,740	617,174	426,390
オイルコークス	t	1,399,843	...	1,430,985	914,066	-
アフアルト	"	-	...	-	-	-
再生油(石油由来)	kl	22,093	-	22,093	20,220	-
非石油系燃料(原油換算)	kl	14,099,722	6,926,088	14,716,040	4,773,491	655,208
石炭	t	16,604,689	...	16,614,939	6,096,547	-
タール	"	140,540	7,035,359	153,372	-	-
コークス	"	305,664	128,575	418,767	-	-
コークス炉ガス	1000m ³	62,996	2,731,091	1,208,551	40,886	-
高炉ガス	"	1,285,737	-	1,285,737	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	402,351	56,391	448,852	182,808	113,082
液化天然ガス	t	822,819	...	683,772	109,920	208,138
都市ガス(A)	1000m ³	496,623	...	496,623	104,800	220,618
都市ガス(B)	"	517,241	...	517,246	112,667	223,003
廃プラスチック	t	179,426	-	179,222	179,222	-
廃プラスチック	"	40,474	47,119	87,385	-	-
R P F	"	15,669	-	15,669	15,669	-

⑥ 窯業・土石製品工業 Ceramics, clay and stone products industry

種 別	単 位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計(原油換算)(注1) (ネット)	kl "	9,188,058	-	9,122,086 9,122,086	3,648,564	75,021
石油系燃料(原油換算)	"	1,787,813	-	1,742,505	172,661	12,396
ガソリン	"	336	...	348	...	...
灯油	"	16,495	...	16,696	1,635	-
軽油	"	12,975	...	12,969	-	-
重油	"	408,747	...	411,218	12,556	11,477
A重油	"	32,224	...	31,549	8,146	-
B・C重油	"	376,523	...	379,669	4,410	11,477
炭化水素ガス	t	223,934	...	219,965	-	-
液化石油ガス	t	20,574	...	20,576	-	-
石油系炭化水素ガス(注2)	1000m ³	-	...	-	-	-
オイルコークス	t	870,462	...	818,264	183,749	-
再生油(石油由来)	kl	301,349	-	302,113	56	-
非石油系燃料(原油換算)	kl	7,400,245	-	7,379,581	3,475,903	62,624
石炭	t	9,546,716	...	9,514,923	5,058,884	-
石炭(ピッチコークスを含む)	"	205,338	-	203,782	-	-
コークス炉ガス	1000m ³	282,586	-	282,586	-	-
高炉ガス	"	22,282	-	22,282	-	-
転炉ガス	"	211,288	-	211,288	-	-
電気炉ガス	"	5,835	-	5,835	-	-
天然ガス	"	114,251	-	114,251	39,796	57,025
液化天然ガス	t	864	-	864	-	-
都市ガス(A)	1000m ³	87,513	...	87,513	5,041	-
都市ガス(B)	"	94,729	...	94,732	5,005	-
廃材	絶乾(Dry)t	1,871	-	1,871	-	-
廃プラスチック	t	79,786	-	79,506	12,941	-
廃プラスチック	"	382,819	-	385,486	-	-
R P F	"	35,194	-	35,427	5,721	-

注1. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
 なお、合計欄の下段「(ネット)」表示の数値は、調査対象事業所内での他の燃料から転換して消費した分を排除したネット消費量である。
 2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

Consumption ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				払出 Shipments	年 末 在 庫 Inventory	Fuels
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
62,577,591	54,470,834	7,562,657	544,097	7,011,084	2,529,421	Total(Crude petroleum equivalent) (Net)
53,290,250	46,999,599	5,808,385	482,266	620,827	914,050	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
123,237	123,237	-	-	22,209	289	Natural gas Liquefied
198	...	...	198	-	3	Gasoline
30,847,139	30,841,585	-	5,554	24,697	518,962	Naphtha
15,101,547	15,101,547	-	...	69,811	3,436	Oil produced by conversion
675,338	644,515	21,633	9,190	-	7,116	Kerosene
156,955	153,818	-	3,137	1	8,573	Gas oil
547,997	422,863	100,382	24,752	985	57,434	Heavy Fuel oil total
19,334	-	9,594	9,740	976	6,493	Heavy Fuel oil A
528,663	422,863	90,788	15,012	9	50,941	Heavy Fuel oil B・C
404,971	278,538	125,649	784	...	...	Hydrocarbon oil
4,477,340	4,037,474	228,603	211,263	399,994	91,538	Liquefied petroleum gas
4,130,176	21,984	3,985,735	122,457	...	...	Hydrocarbon gas
516,919	512,409	-	4,510	-	312,457	Petroleum coke
-	-	-	-	-	-	Asphalt
1,873	-	1,873	-	-	-	Reproduction oil (Oil origin)
9,287,341	7,471,235	1,754,272	61,830	6,390,257	1,615,371	Non-oil based fuels (Crude petroleum equivalent)
10,518,392	9,845,272	666,165	6,955	176,511	1,973,537	Coal
153,372	115,247	38,125	-	6,954,617	339,669	Coal coke
418,767	418,767	-	-	15,244	27,536	Tar
1,167,665	1,796	1,158,033	7,836	1,595,748	...	Coke oven gas
1,285,737	-	1,285,737	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter gas
152,962	50,222	87,049	15,691	11,069	...	Natural gas
365,714	164,589	200,728	397	138,563	68	Liquefied natural gas
171,205	...	140,674	30,531	...	...	Town gas(A)
181,576	...	148,393	33,179	...	...	Town gas(B)
-	-	-	-	-	3,015	Used tires
87,385	69,594	17,791	-	-	827	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Consumption ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				払出 Shipments	年 末 在 庫 Inventory	Fuels
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,398,501	101,513	5,196,903	100,087	75,892	931,421	Total(Crude petroleum equivalent) (Net)
1,557,447	48,976	1,451,504	56,967	50,630	181,245	Oil based fuels (Crude petroleum equivalent)
348	...	...	348	-	-	Gasoline
15,061	-	13,951	1,110	-	474	Kerosene
12,969	-	2,993	9,976	72	69	Gas oil
387,185	1	360,507	26,677	-	43,168	Heavy Fuel oil total
23,403	1	17,182	6,220	-	5,590	Heavy Fuel oil A
363,782	-	343,325	20,457	-	37,578	Heavy Fuel oil B・C
219,965	-	219,965	-	4,371	2,400	Hydrocarbon oil
20,576	-	19,184	1,392	-	194	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
634,515	56,917	577,586	12	53,505	146,871	Petroleum coke
302,057	-	287,004	15,053	2	5,212	Reproduction oil (Oil origin)
3,841,054	52,536	3,745,399	43,120	25,262	750,175	Non-oil based fuels (Crude petroleum equivalent)
4,456,039	10,770	4,437,633	7,636	37,324	1,076,003	Coal
203,782	60,416	143,290	76	120	19,168	Coal coke (including Pitch coke)
282,586	-	282,581	5	-	...	Coke oven gas
22,282	-	22,262	20	-	...	Blast furnace gas
211,288	-	211,288	-	-	...	Converter gas
5,835	-	5,835	-	-	...	Electric furnace gas
17,430	-	17,430	-	-	...	Natural gas
864	-	327	537	-	-	Liquefied natural gas
82,472	...	49,604	32,868	...	...	Town gas(A)
89,727	...	54,773	34,955	...	...	Town gas(B)
1,871	-	1,871	-	-	-	Waste material
66,565	-	66,565	-	-	6,174	Used tires
385,486	-	385,451	35	-	6,287	Waste plastic
29,706	-	29,706	-	-	113	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

⑦鉄鋼業 Iron and steel industry

種 別	単 位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用 計 Total
合 計 (原油換算)(注) (ネット)	kl "	55,752,477	36,224,593	79,142,846 42,937,660	6,536,545	137,034	72,469,267
石油系燃料(原油換算)	"	1,430,540	-	1,262,776	188,001	38,956	1,035,820
ガソリン	"	1,507	...	1,462	...	...	1,462
灯油	"	85,386	...	84,342	1,994	-	82,348
軽油	"	25,248	...	25,112	-	-	25,112
重油計	"	322,526	...	317,885	120,259	36,183	161,443
A重油	"	164,882	...	161,852	38,217	1,679	121,956
B・C重油	"	157,644	...	156,033	82,042	34,504	39,487
炭化水素油	"	80,495	...	82,668	-	-	82,668
液化石油ガス	t	238,329	...	239,043	45,646	-	193,397
石油系炭化水素ガス	1000m ³	46	...	46	-	-	46
オイルコークス	t	690,819	...	499,213	...	-	499,213
再生油(石油由来)	kl	1,558	-	1,438	-	-	1,438
非石油系燃料(原油換算)	kl	54,321,937	36,224,593	77,880,070	6,348,544	98,079	71,433,447
コークス製造用炭	t	41,189,241	...	38,175,446	16,285	-	38,159,161
石炭	"	18,215,839	...	15,031,306	3,370,641	-	11,660,665
石炭コークス	"	7,285,407	23,623,932	28,231,878	...	-	28,231,878
タール	"	63,486	715,978	106,444	-	-	106,444
コークス炉ガス	1000m ³	1,619,577	10,396,922	9,382,188	1,424,470	-	7,957,718
高炉ガス	"	1,558,439	113,304,306	76,262,661	26,688,213	77,134	49,497,314
転炉ガス	"	52,385	6,689,865	4,490,510	1,501,373	-	2,989,137
電気炉ガス	"	-	95,911	80,266	74,214	-	6,052
天然ガス	"	23,899	-	23,895	2,951	-	20,944
液化天然ガス	t	387,552	...	374,920	27,797	22,752	324,371
都市ガス(A)	1000m ³	2,081,540	...	2,081,540	396,017	50,883	1,634,640
都市ガス(B)	"	2,274,022	...	2,273,979	432,780	55,371	1,785,828
酸素	1000Nm ³	8,359,641	2,424,339	10,201,670	...	-	10,201,670
廃材 絶乾(Dry)t	t	28,819	-	28,819	28,819	-	-
廃タイヤ	t	3,158	-	5,736	-	-	5,736
廃プラスチック	"	277,777	25,633	224,655	-	-	224,655
R P F	"	-	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
 なお、合計欄の下段「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

Consumption 及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			払出 Shipments	年 末 在 庫 Inventory	Fuels
原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
26,806,666	44,414,787	1,247,814	12,608,583	5,546,482	Total(Crude petroleum equivalent) (Net)
272,224	615,111	148,484	186,812	203,274	Oil based fuels (Crude petroleum equivalent)
...	56	1,406	43	23	Gasoline
...	66,013	16,335	950	3,700	Kerosene
...	228	24,884	137	145	Gas oil
-	155,253	6,190	8,996	47,538	Heavy fuel oil total
...	117,101	4,855	4,714	20,026	Heavy fuel oil A
-	38,152	1,335	4,282	27,512	Heavy fuel oil B・C
82,668	-	-	-	2,958	Hydrocarbon oil
-	115,317	78,080	1,530	29,900	Liquefied petroleum gas
-	46	-	...	...	Hydrocarbon gas
217,068	282,145	-	202,682	124,685	Petroleum coke
-	1,438	-	-	696	Reproduction oil (Oil origin)
26,534,442	43,799,675	1,099,330	12,421,770	5,343,209	Non-oil based fuels (Crude petroleum equivalent)
34,300,577	3,858,467	117	3,307,223	3,695,796	Coal for making coke(material coal)
618,801	11,022,144	19,720	3,462,889	1,706,115	Coal
364,707	27,808,302	58,869	2,339,235	1,778,131	Coal coke
106,444	-	-	641,596	20,218	Tar
5,293	7,509,111	443,314	2,434,482	...	Coke oven gas
-	45,078,803	4,418,511	36,929,834	...	Blast furnace gas
-	2,712,536	276,601	1,933,891	...	Converter furnace gas
-	6,052	-	15,645	...	Electric furnace gas
-	20,312	632	-	18	Natural gas
-	292,112	32,259	24,921	44,083	Liquefied natural gas
...	1,550,658	83,982	...	...	Town gas(A)
...	1,693,941	91,887	...	...	Town gas(B)
-	9,223,770	977,900	380,920	1,360	Oxygen
-	-	-	-	-	Waste material
5,736	-	-	-	67	Used tires
157,023	43,375	24,257	48,415	23,895	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

Note. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

⑧ 非鉄金属地金工業 Non-ferrous metals industry

種 別	単 位 Unit	受入 Receipts	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	511,404	553,487	28,241	936
石 油 系 燃 料 (原 油 換 算)	"	241,953	241,969	9,551	936
ガ ソ リ ン	"	52	52	...	...
灯 油	"	15,656	15,675	677	-
軽 油	"	3,441	3,426	-	-
重 油	"	129,204	129,288	8,725	870
A 重 油	"	59,947	59,996	6,897	46
B・C 重 油	"	69,257	69,292	1,828	824
炭 化 水 素 油	"	41,729	41,798	-	-
液 化 石 油 ガ ス	t	6,281	6,264	4	-
オ イ ル コ ー ク ス	"	3,778	3,790	-	-
再 生 油 (石 油 由 来)	kl	32,908	32,779	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	269,452	311,518	18,690	-
石 炭	t	52,051	53,032	-	-
石 炭 コ ー ク ス	"	173,292	177,451	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-
高 炉 ガ ス	"	-	414,459	147,942	-
天 然 ガ ス	"	-	-	-	-
天 然 ガ ス	"	1,419	1,419	-	-
液 化 天 然 ガ ス	t	27,345	27,385	1,540	-
都 市 ガ ス (A)	1000m ³	57,354	57,354	2,430	-
都 市 ガ ス (B)	"	60,528	60,527	2,699	-
廃 タ イ プ	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery industry

種 別	単 位 Unit	受入 Receipts	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
合 計 (原 油 換 算)	kl	1,943,683	1,942,773	306,266	760,378
石 油 系 燃 料 (原 油 換 算)	"	258,933	258,240	52,653	4,148
ガ ソ リ ン	"	44,425	44,553	...	...
灯 油	"	34,803	34,954	8,836	-
軽 油	"	27,061	26,859	-	367
重 油	"	53,414	52,535	18,166	3,768
A 重 油	"	53,406	52,528	18,166	3,768
B・C 重 油	"	8	7	-	-
炭 化 水 素 油	"	9	8	-	-
液 化 石 油 ガ ス	t	83,012	83,115	20,122	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,684,750	1,684,533	253,613	756,231
石 炭	t	-	-	-	-
石 炭 コ ー ク ス	"	9,476	9,429	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-
高 炉 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
天 然 ガ ス	"	40,819	40,817	6,226	25,068
液 化 天 然 ガ ス	t	98,678	98,552	9,772	49,230
都 市 ガ ス (A)	1000m ³	1,286,309	1,286,309	200,835	567,082
都 市 ガ ス (B)	"	1,406,144	1,406,143	219,360	620,629
廃 タ イ プ	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			年末在庫 Inventory	Fuels
計 Total	直接加熱用 for Direct heating	その他用 for Others		
524,310	488,261	36,048	30,193	Total (Crude petroleum equivalent)
231,482	211,037	20,445	8,484	Oil based fuels (Crude petroleum equivalent)
52	...	52	2	Gasoline
14,998	11,522	3,476	456	Kerosene
3,426	36	3,390	14	Gas oil
119,693	114,618	5,075	5,611	Heavy Fuel oil total
53,053	48,114	4,939	2,551	Heavy Fuel oil A
66,640	66,504	136	3,060	Heavy Fuel oil B・C
41,798	36,477	5,321	966	Hydrocarbon oil
6,260	4,975	1,285	71	Liquefied petroleum gas
3,790	3,790	-	51	Petroleum coke
32,779	31,317	1,462	996	Reproduction oil (Oil origin)
292,828	277,224	15,604	21,709	Non-oil based fuels (Crude petroleum equivalent)
53,032	53,032	-	24,078	Coal
177,451	161,638	15,813	7,132	Coal coke
-	-	-	...	Coke oven gas
266,517	266,517	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
1,419	1,419	-	...	Natural gas
25,845	23,189	2,656	89	Liquefied natural gas
54,924	54,924	-	...	Town gas(A)
57,828	57,828	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper &Plastic Fuel

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			年末在庫 Inventory	Fuels
計 Total	直接加熱用 for Direct heating	その他用 for Others		
876,129	503,455	372,674	20,755	Total (Crude petroleum equivalent)
201,439	69,297	132,143	20,034	Oil based fuels (Crude petroleum equivalent)
44,553	1	44,552	1,690	Gasoline
26,118	16,590	9,528	5,033	Kerosene
26,492	1,484	25,008	1,451	Gas oil
30,601	6,438	24,163	10,515	Heavy Fuel oil total
30,594	6,431	24,163	10,378	Heavy Fuel oil A
7	7	-	137	Heavy Fuel oil B・C
8	-	8	-	Hydrocarbon oil
62,993	35,309	27,684	1,409	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Reproduction oil (Oil origin)
674,690	434,158	240,531	721	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
9,429	9,429	-	96	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
9,523	8,935	588	...	Natural gas
39,550	32,910	6,640	459	Liquefied natural gas
518,392	319,936	198,456	...	Town gas(A)
566,154	349,114	217,040	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper &Plastic Fuel

3) 業種別、燃料別受払の推移(事業所ベース)

Trends of fuel input and output (establishment basis)

① 調査対象業種合計

Surveyed industry total

合計(原油換算)		Total(Crude petroleum equivalent)					
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			ネット Net	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	155,376,092	47,200,862	155,876,157	202,918,290	32,151,690	6,397,027	
30	152,836,384	46,704,487	151,472,826	198,035,722	32,095,850	5,123,018	
令和 1 年	149,835,019	46,277,904	149,145,413	195,281,615	31,441,821	5,095,828	
2	133,043,429	41,002,685	132,788,486	173,666,624	29,576,454	4,385,474	
3	141,578,669	43,150,681	142,070,645	185,104,317	30,576,596	4,995,150	
令和 1 年度	148,149,905	46,188,137	147,187,604	193,235,505	31,275,971	4,836,297	
2	131,933,986	40,372,198	132,176,232	172,428,150	29,449,720	4,581,364	
3 年 1~3月	34,598,973	10,798,573	35,727,820	46,499,709	7,971,889	1,333,174	
4~6	34,953,581	10,852,257	33,703,871	44,525,774	7,103,005	1,181,729	
7~9	35,654,823	10,760,921	35,995,097	46,725,934	7,870,450	1,251,546	
10~12	36,371,292	10,738,930	36,643,857	47,352,901	7,631,252	1,228,700	
3 年 1月	11,132,406	3,716,605	12,463,619	16,169,102	2,788,833	472,320	
2	11,320,923	3,369,256	11,088,924	14,451,291	2,508,933	406,908	
3	12,145,643	3,712,712	12,175,276	15,879,315	2,674,123	453,946	
4	11,619,598	3,550,026	11,477,856	15,017,684	2,418,069	392,035	
5	12,083,753	3,723,833	11,462,615	15,176,612	2,398,979	379,069	
6	11,250,230	3,578,398	10,763,399	14,331,477	2,285,957	410,625	
7	11,734,390	3,629,181	11,611,230	15,229,922	2,609,827	421,775	
8	11,809,900	3,604,917	12,285,190	15,879,360	2,680,704	432,563	
9	12,110,533	3,526,822	12,098,677	15,616,653	2,579,918	397,207	
10	12,110,036	3,591,816	12,047,146	15,628,961	2,442,743	400,049	
11	12,217,127	3,532,304	11,829,609	15,352,529	2,478,982	375,985	
12	12,044,129	3,614,810	12,767,102	16,371,410	2,709,528	452,666	

石油系燃料(原油換算)		Oil based fuels(Crude petroleum equivalent)					
平成 29 年	62,917,350	-	-	84,003,116	8,493,696	3,625,857	
30	59,975,788	-	-	79,338,989	8,353,414	2,492,143	
令和 1 年	59,852,084	-	-	79,380,328	8,379,730	2,547,805	
2	52,999,862	-	-	70,534,633	7,884,194	1,952,142	
3	55,174,533	-	-	74,324,947	7,915,962	2,467,776	
令和 1 年度	58,735,945	-	-	77,545,419	8,244,003	2,331,504	
2	52,553,655	-	-	70,386,577	7,893,918	2,117,498	
3 年 1~3月	13,511,174	-	-	18,503,867	2,047,564	670,279	
4~6	13,196,395	-	-	17,144,246	1,769,900	554,414	
7~9	13,897,445	-	-	18,837,582	2,000,887	620,807	
10~12	14,569,520	-	-	19,839,252	2,097,611	622,275	
3 年 1月	4,792,534	-	-	6,569,474	752,586	244,736	
2	4,214,021	-	-	5,702,652	662,643	204,072	
3	4,504,619	-	-	6,231,741	632,336	221,471	
4	4,519,303	-	-	5,962,770	580,882	181,348	
5	4,566,608	-	-	5,818,691	621,347	176,532	
6	4,110,485	-	-	5,362,785	567,671	196,534	
7	4,348,151	-	-	5,867,657	642,445	205,983	
8	4,742,644	-	-	6,509,930	687,297	228,799	
9	4,806,650	-	-	6,459,994	671,144	186,025	
10	4,867,266	-	-	6,487,597	652,581	210,493	
11	4,797,109	-	-	6,440,549	712,057	179,573	
12	4,905,145	-	-	6,911,106	732,974	232,209	

原油(NGL・コンデンセートを含む)		Crude petroleum (Includes NGL・condensate)					
平成 29 年	280,519	...	...	305,111	3,865	-
30	250,140	...	...	251,906	3,630	-
令和 1 年	65,691	...	...	66,775	3,112	-
2	3,323	...	...	3,394	3,327	-
3	123,614	...	...	123,541	304	-
令和 1 年度	58,904	...	...	60,224	3,203	-
2	2,448	...	...	2,509	2,509	-
3 年 1~3月	226	...	...	304	304	-
4~6	-	...	...	-	-	-
7~9	37,026	...	...	5,857	-	-
10~12	86,362	...	...	117,380	-	-
3 年 1月	226	...	...	304	304	-
2	-	...	...	-	-	-
3	-	...	...	-	-	-
4	-	...	...	-	-	-
5	-	...	...	-	-	-
6	-	...	...	-	-	-
7	-	...	...	-	-	-
8	-	...	...	-	-	-
9	37,026	...	...	5,857	-	-
10	51,355	...	...	56,444	-	-
11	35,007	...	...	47,444	-	-
12	-	...	...	13,492	-	-

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
164,369,573	91,369,872	70,178,746	2,820,955	21,625,458	9,963,637	C.Y.	2017
160,816,854	88,410,624	69,598,579	2,807,651	21,076,010	10,376,698	C.Y.	2018
158,743,966	88,424,774	67,531,123	2,788,070	20,878,497	10,333,749	C.Y.	2019
139,704,695	79,394,204	57,786,104	2,524,387	19,130,695	9,771,894	C.Y.	2020
149,532,572	82,181,274	64,617,962	2,733,335	19,848,231	9,171,836	C.Y.	2021
157,123,237	87,318,354	67,020,838	2,784,045	20,939,833	9,258,154	F.Y.	2019
138,397,066	78,518,923	57,375,107	2,503,037	18,888,465	8,684,277	F.Y.	2020
37,194,645	20,402,580	16,095,225	696,840	4,996,611	8,684,277	Q1	2021
36,241,040	19,756,848	15,813,023	671,169	5,124,481	9,242,314	Q2	
37,603,939	20,650,031	16,277,133	676,774	4,979,151	8,886,155	Q3	
38,492,948	21,371,816	16,432,580	688,552	4,747,987	9,171,836	Q4	
12,907,949	7,136,889	5,522,556	248,504	1,615,137	8,712,669	Jan.	2021
11,535,449	6,304,487	5,015,544	215,419	1,641,452	8,890,764	Feb.	
12,751,247	6,961,203	5,557,126	232,918	1,740,023	8,684,277	Mar.	
12,207,581	6,759,495	5,223,508	224,578	1,617,242	8,776,910	Apr.	
12,398,564	6,715,565	5,451,729	231,269	1,810,552	9,142,718	May	
11,634,895	6,281,788	5,137,786	215,322	1,696,687	9,242,314	Jun.	
12,198,319	6,608,775	5,361,290	228,254	1,715,996	9,291,227	Jul.	
12,766,092	7,025,723	5,511,634	228,735	1,688,660	8,889,924	Aug.	
12,639,528	7,015,533	5,404,209	219,786	1,574,496	8,886,155	Sep.	
12,786,169	7,126,745	5,437,957	221,467	1,688,808	8,883,462	Oct.	
12,497,563	6,931,791	5,339,424	226,348	1,579,854	9,396,858	Nov.	
13,209,216	7,313,279	5,655,199	240,738	1,479,325	9,171,836	Dec.	

単位 Unit : kl

71,883,563	54,831,271	15,761,770	1,290,522	1,048,699	1,435,487	C.Y.	2017
68,493,432	51,974,001	15,187,429	1,332,003	977,002	1,692,738	C.Y.	2018
68,452,792	52,222,710	14,960,006	1,270,077	1,059,953	1,596,961	C.Y.	2019
60,698,297	46,349,483	13,222,682	1,126,132	786,060	1,493,613	C.Y.	2020
63,941,210	48,047,889	14,667,481	1,225,840	897,681	1,506,297	C.Y.	2021
66,969,912	51,103,422	14,637,959	1,228,531	1,032,411	1,541,959	F.Y.	2019
60,375,161	45,973,212	13,256,463	1,145,486	800,276	1,434,660	F.Y.	2020
15,786,024	11,874,912	3,598,389	312,724	211,722	1,434,660	Q1	2021
14,819,932	11,178,410	3,352,910	288,611	290,492	1,636,195	Q2	
16,215,888	12,153,468	3,752,328	310,092	216,718	1,582,105	Q3	
17,119,366	12,841,098	3,963,855	314,413	178,749	1,506,297	Q4	
5,572,152	4,189,927	1,266,907	115,319	77,151	1,529,990	Jan.	2021
4,835,938	3,631,994	1,107,674	96,270	65,612	1,552,938	Feb.	
5,377,934	4,052,991	1,223,808	101,135	68,958	1,434,660	Mar.	
5,200,539	3,916,415	1,182,268	101,857	69,980	1,490,759	Apr.	
5,020,812	3,796,213	1,131,747	92,852	122,273	1,667,792	May	
4,598,581	3,465,783	1,038,896	93,902	98,239	1,636,195	Jun.	
5,019,229	3,740,726	1,172,938	105,565	75,955	1,661,390	Jul.	
5,593,834	4,182,486	1,306,797	104,551	85,505	1,631,786	Aug.	
5,602,825	4,230,256	1,272,593	99,975	55,258	1,582,105	Sep.	
5,624,523	4,251,731	1,269,949	102,843	27,102	1,595,897	Oct.	
5,548,920	4,159,195	1,288,904	100,820	63,508	1,641,026	Nov.	
5,945,923	4,430,172	1,405,001	110,750	88,139	1,506,297	Dec.	

単位 Unit : kl

301,246	301,246	-	-	34,051	3,753	C.Y.	2017
248,276	248,276	-	-	22,330	5,829	C.Y.	2018
63,663	63,663	-	-	32,478	390	C.Y.	2019
67	67	-	-	27,308	426	C.Y.	2020
123,237	123,237	-	-	22,209	499	C.Y.	2021
57,021	57,021	-	-	33,271	409	F.Y.	2019
-	-	-	-	23,980	348	F.Y.	2020
-	-	-	-	4,987	348	Q1	2021
-	-	-	-	6,809	348	Q2	
5,857	5,857	-	-	4,488	31,517	Q3	
117,380	117,380	-	-	5,925	499	Q4	
-	-	-	-	2,507	348	Jan.	2021
-	-	-	-	-	348	Feb.	
-	-	-	-	2,480	348	Mar.	
-	-	-	-	2,376	348	Apr.	
-	-	-	-	2,138	348	May	
-	-	-	-	2,295	348	Jun.	
-	-	-	-	-	240	Jul.	
-	-	-	-	2,270	429	Aug.	
5,857	5,857	-	-	2,218	31,517	Sep.	
56,444	56,444	-	-	2,143	26,428	Oct.	
47,444	47,444	-	-	1,754	13,991	Nov.	
13,492	13,492	-	-	2,028	499	Dec.	

ガソリン			Gasoline				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	60,240	...	60,368	...	...
30	58,167	...	58,557	1	...		
令和 1 年	57,590	...	57,645	...	...
2	48,044	...	48,314	...	2		
3	45,505	...	45,784	...	...
令和 1 年度	56,432	...	56,565	...	...
2	46,790	...	47,138	...	2		
3 年 1~3月	12,404	...	12,483	...	...
4~6	11,405	...	11,496	...	...
7~9	10,002	...	10,073	...	...
10~12	11,694	...	11,732	...	...
3 年 1月	3,776	...	3,851	...	...
2	3,899	...	3,870	...	...
3	4,729	...	4,762	...	...
4	4,167	...	4,192	...	...
5	2,865	...	2,891	...	...
6	4,373	...	4,413	...	...
7	4,408	...	4,458	...	...
8	2,978	...	2,932	...	...
9	2,616	...	2,683	...	...
10	3,233	...	3,233	...	...
11	4,352	...	4,374	...	...
12	4,109	...	4,125	...	...
ナフサ			Naphtha				
平成 29 年	31,380,675	...	31,500,945	-	2,687		
30	28,903,559	...	28,844,338	-	1,928		
令和 1 年	30,682,843	...	30,922,179	-	2,909		
2	29,174,908	...	29,446,917	-	3,821		
3	30,916,571	...	31,023,551	46	1,264		
令和 1 年度	30,803,347	...	30,852,953	-	2,397		
2	29,360,153	...	29,737,978	-	3,981		
3 年 1~3月	7,814,299	...	7,920,157	-	462		
4~6	7,743,772	...	7,528,047	46	36		
7~9	7,418,403	...	7,471,509	-	344		
10~12	7,940,097	...	8,103,838	-	422		
3 年 1月	2,723,177	...	2,669,626	-	146		
2	2,500,042	...	2,465,708	-	122		
3	2,591,080	...	2,784,823	-	194		
4	2,746,298	...	2,664,590	-	-		
5	2,510,732	...	2,539,919	-	18		
6	2,486,742	...	2,323,538	46	18		
7	2,370,449	...	2,351,166	-	215		
8	2,599,121	...	2,531,790	-	97		
9	2,448,833	...	2,588,553	-	32		
10	2,626,483	...	2,697,973	-	79		
11	2,665,397	...	2,592,394	-	-		
12	2,648,217	...	2,813,471	-	343		
改質生成油			Oil produced by conversion				
平成 29 年	19,780,039	...	19,689,000	-	-		
30	19,893,701	...	19,809,452	-	-		
令和 1 年	17,986,980	...	17,872,583	-	-		
2	14,748,606	...	14,662,456	-	-		
3	15,170,553	...	15,101,547	-	-		
令和 1 年度	17,210,932	...	17,089,832	-	-		
2	14,349,484	...	14,269,571	-	-		
3 年 1~3月	3,650,260	...	3,628,863	-	-		
4~6	3,259,224	...	3,240,262	-	-		
7~9	4,030,347	...	4,015,721	-	-		
10~12	4,230,722	...	4,216,701	-	-		
3 年 1月	1,375,152	...	1,359,400	-	-		
2	1,075,051	...	1,067,477	-	-		
3	1,200,057	...	1,201,986	-	-		
4	1,163,339	...	1,165,343	-	-		
5	1,107,918	...	1,094,712	-	-		
6	987,967	...	980,207	-	-		
7	1,176,237	...	1,176,265	-	-		
8	1,415,605	...	1,406,751	-	-		
9	1,438,505	...	1,432,705	-	-		
10	1,344,852	...	1,337,544	-	-		
11	1,400,482	...	1,398,378	-	-		
12	1,485,388	...	1,480,779	-	-		

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
60,368	...	68	60,300	51	1,859	C.Y.	2017
58,556	...	63	58,493	51	1,648	C.Y.	2018
57,645	...	60	57,585	53	1,773	C.Y.	2019
48,312	...	56	48,256	48	1,783	C.Y.	2020
45,784	...	57	45,727	43	1,702	C.Y.	2021
56,565	...	59	56,506	50	1,823	F.Y.	2019
47,136	...	56	47,080	46	1,764	F.Y.	2020
12,483	...	14	12,469	9	1,764	Q1	2021
11,496	...	13	11,483	10	1,710	Q2	
10,073	...	15	10,058	12	1,698	Q3	
11,732	...	15	11,717	12	1,702	Q4	
3,851	...	5	3,846	3	1,728	Jan.	2021
3,870	...	4	3,866	3	1,778	Feb.	
4,762	...	5	4,757	3	1,764	Mar.	
4,192	...	4	4,188	3	1,744	Apr.	
2,891	...	4	2,887	3	1,735	May	
4,413	...	5	4,408	4	1,710	Jun.	
4,458	...	5	4,453	4	1,687	Jul.	
2,932	...	5	2,927	4	1,753	Aug.	
2,683	...	5	2,678	4	1,698	Sep.	
3,233	...	4	3,229	4	1,716	Oct.	
4,374	...	5	4,369	4	1,701	Nov.	
4,125	...	6	4,119	4	1,702	Dec.	

単位 Unit : kl

31,498,258	31,468,095	30,163	-	32,863	573,056	C.Y.	2017
28,842,410	28,811,711	27,110	3,589	7,916	777,407	C.Y.	2018
30,919,270	30,897,888	21,199	183	64,736	644,820	C.Y.	2019
29,443,096	29,419,524	23,482	90	14,200	557,498	C.Y.	2020
31,022,241	30,987,980	28,707	5,554	24,697	518,962	C.Y.	2021
30,850,556	30,829,429	20,944	183	70,251	711,111	F.Y.	2019
29,733,997	29,709,560	24,347	90	8,114	509,270	F.Y.	2020
7,919,695	7,912,872	6,823	-	1,285	509,270	Q1	2021
7,527,965	7,517,724	6,820	3,421	16,223	615,189	Q2	
7,471,165	7,461,948	7,121	2,096	6,085	604,897	Q3	
8,103,416	8,095,436	7,943	37	1,104	518,962	Q4	
2,669,480	2,667,552	1,928	-	578	632,725	Jan.	2021
2,465,586	2,463,308	2,278	-	-	687,908	Feb.	
2,784,629	2,782,012	2,617	-	707	509,270	Mar.	
2,664,590	2,662,125	2,465	-	247	598,551	Apr.	
2,539,901	2,536,455	2,397	1,049	202	580,636	May	
2,323,474	2,319,144	1,958	2,372	15,774	615,189	Jun.	
2,350,951	2,346,638	2,346	1,967	5,505	639,609	Jul.	
2,531,693	2,529,341	2,223	129	275	726,264	Aug.	
2,588,521	2,585,969	2,552	-	305	604,897	Sep.	
2,697,894	2,695,923	1,940	31	-	555,812	Oct.	
2,592,394	2,589,750	2,642	2	536	653,257	Nov.	
2,813,128	2,809,763	3,361	4	568	518,962	Dec.	

単位 Unit : kl

19,689,000	19,689,000	-	-	93,319	4,473	C.Y.	2017
19,809,452	19,809,452	-	-	83,386	5,336	C.Y.	2018
17,872,583	17,872,583	-	-	109,044	10,869	C.Y.	2019
14,662,456	14,662,456	-	-	92,135	4,881	C.Y.	2020
15,101,547	15,101,547	-	-	69,811	3,436	C.Y.	2021
17,089,832	17,089,832	-	-	110,774	14,040	F.Y.	2019
14,269,571	14,269,571	-	-	85,560	7,760	F.Y.	2020
3,628,863	3,628,863	-	-	17,888	7,760	Q1	2021
3,240,262	3,240,262	-	-	13,543	13,169	Q2	
4,015,721	4,015,721	-	-	22,003	5,792	Q3	
4,216,701	4,216,701	-	-	16,377	3,436	Q4	
1,359,400	1,359,400	-	-	10,801	9,202	Jan.	2021
1,067,477	1,067,477	-	-	4,765	12,011	Feb.	
1,201,986	1,201,986	-	-	2,322	7,760	Mar.	
1,165,343	1,165,343	-	-	1,502	4,254	Apr.	
1,094,712	1,094,712	-	-	6,314	11,146	May	
980,207	980,207	-	-	5,727	13,169	Jun.	
1,176,265	1,176,265	-	-	6,902	6,239	Jul.	
1,406,751	1,406,751	-	-	6,831	8,262	Aug.	
1,432,705	1,432,705	-	-	8,270	5,792	Sep.	
1,337,544	1,337,544	-	-	5,721	7,379	Oct.	
1,398,378	1,398,378	-	-	5,245	4,238	Nov.	
1,480,779	1,480,779	-	-	5,411	3,436	Dec.	

灯油			Kerosene				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	1,101,183	...	1,137,856	31,824	27,297		
30	985,586	...	1,048,664	26,105	63,706		
令和 1 年	1,083,983	...	1,135,512	28,146	45,755		
2	865,697	...	1,088,999	49,344	194,373		
3	831,196	...	948,272	18,176	117,666		
令和 1 年度	954,605	...	1,009,063	33,727	44,745		
2	881,297	...	1,141,740	40,519	238,744		
3 年 1~3月	183,340	...	235,606	5,696	49,894		
4~6	154,276	...	162,605	3,828	10,743		
7~9	273,511	...	303,196	3,902	30,426		
10~12	220,069	...	246,865	4,750	26,603		
3 年 1月	97,864	...	123,472	1,914	25,353		
2	69,728	...	86,590	2,317	15,816		
3	15,748	...	25,544	1,465	8,725		
4	15,493	...	16,931	1,260	1,613		
5	49,613	...	52,992	1,358	5,348		
6	89,170	...	92,682	1,210	3,782		
7	76,726	...	88,340	1,213	13,203		
8	98,563	...	110,731	1,357	11,443		
9	98,222	...	104,125	1,332	5,780		
10	89,880	...	104,783	1,317	14,060		
11	44,442	...	47,630	1,761	3,081		
12	85,747	...	94,452	1,672	9,462		
軽油			Gas oil				
平成 29 年	258,766	...	250,559	-	639		
30	225,598	...	228,869	23	623		
令和 1 年	233,716	...	247,432	106	588		
2	181,816	...	185,543	45	3,563		
3	224,641	...	227,186	42	571		
令和 1 年度	220,036	...	221,524	106	584		
2	201,858	...	210,272	44	3,581		
3 年 1~3月	65,475	...	64,690	10	150		
4~6	65,601	...	67,566	11	120		
7~9	49,710	...	53,632	10	154		
10~12	43,855	...	41,298	11	147		
3 年 1月	21,813	...	22,171	3	56		
2	19,675	...	20,714	3	47		
3	23,987	...	21,805	4	47		
4	21,650	...	22,858	4	40		
5	24,326	...	22,638	3	36		
6	19,625	...	22,070	4	44		
7	22,500	...	22,182	4	60		
8	17,998	...	21,856	3	46		
9	9,212	...	9,594	3	48		
10	13,423	...	5,574	3	41		
11	10,525	...	14,195	5	49		
12	19,907	...	21,529	3	57		
重油計			Heavy fuel oil total				
平成 29 年	3,533,196	...	5,115,625	2,818,567	136,150		
30	3,233,733	...	4,830,821	2,740,908	125,011		
令和 1 年	3,200,300	...	4,747,960	2,735,757	117,785		
2	2,920,797	...	4,500,384	2,654,953	96,987		
3	2,862,083	...	4,449,319	2,570,351	103,986		
令和 1 年度	3,133,559	...	4,660,719	2,710,475	104,381		
2	2,879,118	...	4,498,402	2,680,127	108,631		
3 年 1~3月	742,239	...	1,215,826	732,131	30,948		
4~6	649,362	...	999,048	601,637	23,850		
7~9	695,710	...	1,066,919	571,191	23,956		
10~12	774,772	...	1,167,526	665,392	25,232		
3 年 1月	253,137	...	441,618	272,419	10,526		
2	240,712	...	376,064	226,362	8,552		
3	248,390	...	398,144	233,350	11,870		
4	222,853	...	365,029	221,143	6,412		
5	214,233	...	332,882	198,466	7,854		
6	212,276	...	301,137	182,028	9,584		
7	222,639	...	352,463	194,393	8,573		
8	240,375	...	362,407	191,528	8,972		
9	232,696	...	352,049	185,270	6,411		
10	256,404	...	387,607	211,018	10,650		
11	266,598	...	398,938	232,077	8,233		
12	251,770	...	380,981	222,297	6,349		

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
1,078,735	872,961	153,773	52,001	808	19,275	C.Y.	2017
958,853	766,663	147,571	44,619	1,371	20,672	C.Y.	2018
1,061,611	880,631	138,861	42,119	1,359	19,608	C.Y.	2019
845,282	685,862	122,700	36,720	1,001	17,244	C.Y.	2020
812,430	644,515	125,694	42,221	1,102	17,455	C.Y.	2021
930,591	756,299	135,191	39,101	1,248	19,627	F.Y.	2019
862,477	703,538	121,850	37,089	1,030	15,499	F.Y.	2020
180,016	137,515	31,854	10,647	298	15,499	Q1	2021
148,034	106,822	31,620	9,592	248	17,626	Q2	
268,868	227,757	30,161	10,950	272	17,382	Q3	
215,512	172,421	32,059	11,032	284	17,455	Q4	
96,205	80,924	11,345	3,936	88	16,795	Jan.	2021
68,457	55,206	9,946	3,305	115	16,498	Feb.	
15,354	1,385	10,563	3,406	95	15,499	Mar.	
14,058	389	10,842	2,827	81	15,458	Apr.	
46,286	33,107	10,084	3,095	72	17,353	May	
87,690	73,326	10,694	3,670	95	17,626	Jun.	
73,924	59,000	11,062	3,862	122	17,778	Jul.	
97,931	85,166	9,084	3,681	80	17,535	Aug.	
97,013	83,591	10,015	3,407	70	17,382	Sep.	
89,406	75,579	10,615	3,212	83	16,567	Oct.	
42,788	28,530	10,707	3,551	115	16,803	Nov.	
83,318	68,312	10,737	4,269	86	17,455	Dec.	

単位 Unit : kl

249,920	171,035	5,152	73,733	356	23,130	C.Y.	2017
228,223	152,496	6,972	68,755	396	23,551	C.Y.	2018
246,738	172,517	4,403	69,818	396	10,785	C.Y.	2019
181,935	115,113	3,429	63,393	344	10,229	C.Y.	2020
226,573	153,818	7,188	65,567	365	10,242	C.Y.	2021
220,834	145,875	4,505	70,454	382	16,322	F.Y.	2019
206,647	140,812	3,316	62,519	350	10,976	F.Y.	2020
64,530	47,054	811	16,665	85	10,976	Q1	2021
67,435	46,502	3,026	17,907	91	11,250	Q2	
53,468	36,359	841	16,268	94	7,447	Q3	
41,140	23,903	2,510	14,727	95	10,242	Q4	
22,112	16,632	262	5,218	28	9,844	Jan.	2021
20,664	14,807	267	5,590	28	8,813	Feb.	
21,754	15,615	282	5,857	29	10,976	Mar.	
22,814	15,628	273	6,913	31	9,983	Apr.	
22,599	16,464	1,025	5,110	31	12,203	May	
22,022	14,410	1,728	5,884	29	11,250	Jun.	
22,118	16,076	276	5,766	33	11,613	Jul.	
21,807	16,392	269	5,146	31	7,810	Aug.	
9,543	3,891	296	5,356	30	7,447	Sep.	
5,530	25	768	4,737	30	15,314	Oct.	
14,141	8,309	815	5,017	32	11,655	Nov.	
21,469	15,569	927	4,973	33	10,242	Dec.	

単位 Unit : kl

2,160,908	555,731	1,448,318	156,859	27,053	266,486	C.Y.	2017
1,964,902	457,683	1,359,111	148,108	51,052	257,541	C.Y.	2018
1,894,418	479,695	1,285,174	129,549	57,806	269,471	C.Y.	2019
1,748,444	461,666	1,152,770	134,008	51,511	262,834	C.Y.	2020
1,774,982	422,864	1,222,225	129,893	46,313	247,886	C.Y.	2021
1,845,863	460,009	1,252,812	133,042	58,487	255,629	F.Y.	2019
1,709,644	426,758	1,151,908	130,978	51,041	254,666	F.Y.	2020
452,747	98,935	315,306	38,506	15,863	254,666	Q1	2021
373,561	52,880	290,364	30,317	11,220	253,012	Q2	
471,772	134,674	306,493	30,605	7,284	244,417	Q3	
476,902	136,375	310,062	30,465	11,946	247,886	Q4	
158,673	35,311	109,264	14,098	6,881	240,670	Jan.	2021
141,150	30,104	98,866	12,180	2,093	248,243	Feb.	
152,924	33,520	107,176	12,228	6,889	254,666	Mar.	
137,474	29,321	97,635	10,518	2,246	252,107	Apr.	
126,562	19,073	97,179	10,310	1,804	249,327	May	
109,525	4,486	95,550	9,489	7,170	253,012	Jun.	
149,497	34,977	101,706	12,814	3,082	248,586	Jul.	
161,907	50,046	103,157	8,704	1,807	245,809	Aug.	
160,368	49,651	101,630	9,087	2,395	244,417	Sep.	
165,939	49,185	107,385	9,369	2,092	243,808	Oct.	
158,628	50,119	98,580	9,929	3,421	245,161	Nov.	
152,335	37,071	104,097	11,167	6,433	247,886	Dec.	

A重油			Heavy fuel oil A			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	600,942	...	625,757	236,573	44,298	
30	591,499	...	606,179	236,787	44,783	
令和 1 年	527,339	...	539,529	213,064	34,188	
2	499,811	...	544,842	235,436	38,264	
3	451,649	...	599,076	255,136	41,697	
令和 1 年度	500,605	...	513,172	196,835	29,761	
2	497,360	...	565,027	243,701	44,422	
3 年 1~3月	124,290	...	153,409	59,796	11,522	
4~6	111,301	...	135,690	53,640	11,399	
7~9	101,977	...	143,201	65,573	7,069	
10~12	114,081	...	166,776	76,127	11,707	
3 年 1月	43,010	...	52,500	18,981	5,700	
2	38,076	...	49,495	19,207	3,684	
3	43,204	...	51,414	21,608	2,138	
4	39,438	...	45,720	18,625	3,579	
5	33,244	...	43,000	14,981	4,375	
6	38,619	...	46,970	20,034	3,445	
7	35,254	...	44,138	17,752	2,103	
8	34,264	...	48,750	22,380	3,104	
9	32,459	...	50,313	25,441	1,862	
10	36,734	...	56,203	24,881	5,505	
11	38,651	...	60,717	28,761	4,607	
12	38,696	...	49,856	22,485	1,595	
B・C重油			Heavy fuel oil B・C			
平成 29 年	2,932,254	...	4,489,868	2,581,994	91,852	
30	2,642,234	...	4,224,642	2,504,121	80,228	
令和 1 年	2,672,961	...	4,208,431	2,522,693	83,597	
2	2,420,986	...	3,955,542	2,419,517	58,723	
3	2,410,434	...	3,850,243	2,315,215	62,289	
令和 1 年度	2,632,954	...	4,147,547	2,513,640	74,620	
2	2,381,758	...	3,933,375	2,436,426	64,209	
3 年 1~3月	617,949	...	1,062,417	672,335	19,426	
4~6	538,061	...	863,358	547,997	12,451	
7~9	593,733	...	923,718	505,618	16,887	
10~12	660,691	...	1,000,750	589,265	13,525	
3 年 1月	210,127	...	389,118	253,438	4,826	
2	202,636	...	326,569	207,155	4,868	
3	205,186	...	346,730	211,742	9,732	
4	183,415	...	319,309	202,518	2,833	
5	180,989	...	289,882	183,485	3,479	
6	173,657	...	254,167	161,994	6,139	
7	187,385	...	308,325	176,641	6,470	
8	206,111	...	313,657	169,148	5,868	
9	200,237	...	301,736	159,829	4,549	
10	219,670	...	331,404	186,137	5,145	
11	227,947	...	338,221	203,316	3,626	
12	213,074	...	331,125	199,812	4,754	
炭化水素油			Hydrocarbon oil			
平成 29 年	559,524	...	1,614,684	838,618	439	
30	584,756	...	1,612,078	807,602	-	
令和 1 年	585,241	...	1,604,396	824,878	-	
2	584,832	...	1,601,987	848,026	1	
3	570,111	...	1,609,584	846,529	-	
令和 1 年度	588,469	...	1,598,227	824,816	1	
2	577,332	...	1,592,172	841,183	-	
3 年 1~3月	141,028	...	387,524	203,782	-	
4~6	134,128	...	345,873	172,926	-	
7~9	140,767	...	415,615	221,408	-	
10~12	154,188	...	460,572	248,413	-	
3 年 1月	50,427	...	140,836	73,190	-	
2	42,820	...	121,416	67,148	-	
3	47,781	...	125,272	63,444	-	
4	54,468	...	128,386	59,054	-	
5	42,009	...	113,353	60,922	-	
6	37,651	...	104,134	52,950	-	
7	40,821	...	125,958	68,646	-	
8	51,427	...	143,810	76,995	-	
9	48,519	...	145,847	75,767	-	
10	52,114	...	148,976	78,384	-	
11	49,609	...	151,408	83,062	-	
12	52,465	...	160,188	86,967	-	

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
344,886	-	273,653	71,233	12,399	52,593	C.Y. 2017
324,609	-	250,852	73,757	12,127	55,389	C.Y. 2018
292,277	-	229,063	63,214	10,659	63,775	C.Y. 2019
271,142	-	196,599	74,543	9,409	57,458	C.Y. 2020
302,243	1	241,842	60,400	7,371	55,429	C.Y. 2021
286,576	-	217,971	68,605	10,268	60,000	F.Y. 2019
276,904	-	207,848	69,056	8,444	55,400	F.Y. 2020
82,091	-	61,990	20,101	1,723	55,400	Q1 2021
70,651	-	57,030	13,621	2,048	55,499	Q2
70,559	-	58,884	11,675	1,528	55,643	Q3
78,942	1	63,938	15,003	2,072	55,429	Q4
27,819	-	19,773	8,046	693	55,581	Jan. 2021
26,604	-	20,275	6,329	438	55,183	Feb.
27,668	-	21,942	5,726	592	55,400	Mar.
23,516	-	18,657	4,859	770	56,790	Apr.
23,644	-	19,204	4,440	478	56,168	May
23,491	-	19,169	4,322	800	55,499	Jun.
24,283	-	20,744	3,539	823	55,109	Jul.
23,266	-	19,393	3,873	308	56,254	Aug.
23,010	-	18,747	4,263	397	55,643	Sep.
25,817	-	21,581	4,236	593	54,948	Oct.
27,349	-	22,431	4,918	544	54,621	Nov.
25,776	1	19,926	5,849	935	55,429	Dec.

単位 Unit : kl

1,816,022	555,731	1,174,665	85,626	14,654	213,893	C.Y. 2017
1,640,293	457,683	1,108,259	74,351	38,925	202,152	C.Y. 2018
1,602,141	479,695	1,056,111	66,335	47,147	205,696	C.Y. 2019
1,477,302	461,666	956,171	59,465	42,102	205,376	C.Y. 2020
1,472,739	422,863	980,383	69,493	38,942	192,457	C.Y. 2021
1,559,287	460,009	1,034,841	64,437	48,219	195,629	F.Y. 2019
1,432,740	426,758	944,060	61,922	42,597	199,266	F.Y. 2020
370,656	98,935	253,316	18,405	14,140	199,266	Q1 2021
302,910	52,880	233,334	16,696	9,172	197,513	Q2
401,213	134,674	247,609	18,930	5,756	188,774	Q3
397,960	136,374	246,124	15,462	9,874	192,457	Q4
130,854	35,311	89,491	6,052	6,188	185,089	Jan. 2021
114,546	30,104	78,591	5,851	1,655	193,060	Feb.
125,256	33,520	85,234	6,502	6,297	199,266	Mar.
113,958	29,321	78,978	5,659	1,476	195,317	Apr.
102,918	19,073	77,975	5,870	1,326	193,159	May
86,034	4,486	76,381	5,167	6,370	197,513	Jun.
125,214	34,977	80,962	9,275	2,259	193,477	Jul.
138,641	50,046	83,764	4,831	1,499	189,555	Aug.
137,358	49,651	82,883	4,824	1,998	188,774	Sep.
140,122	49,185	85,804	5,133	1,499	188,860	Oct.
131,279	50,119	76,149	5,011	2,877	190,540	Nov.
126,559	37,070	84,171	5,318	5,498	192,457	Dec.

単位 Unit : kl

775,627	360,286	408,740	6,601	4,682	15,439	C.Y. 2017
804,476	365,851	431,644	6,981	3,507	11,896	C.Y. 2018
779,518	339,767	434,003	5,748	4,538	11,060	C.Y. 2019
753,960	349,305	398,054	6,601	4,495	12,927	C.Y. 2020
763,055	361,206	395,399	6,450	4,371	12,005	C.Y. 2021
773,410	335,653	431,416	6,341	4,706	12,334	F.Y. 2019
750,989	357,285	387,679	6,025	4,337	12,304	F.Y. 2020
183,742	88,016	94,735	991	1,022	12,304	Q1 2021
172,947	76,416	94,607	1,924	1,123	16,320	Q2
194,207	92,461	99,910	1,836	1,064	12,572	Q3
212,159	104,313	106,147	1,699	1,162	12,005	Q4
67,646	34,009	33,069	568	328	13,335	Jan. 2021
54,268	24,045	29,999	224	297	12,024	Feb.
61,828	29,962	31,667	199	397	12,304	Mar.
69,332	34,345	34,323	664	387	16,427	Apr.
52,431	23,214	28,559	658	391	18,252	May
51,184	18,857	31,725	602	345	16,320	Jun.
57,312	24,829	31,861	622	370	12,903	Jul.
66,815	33,035	33,192	588	358	14,838	Aug.
70,080	34,597	34,857	626	336	12,572	Sep.
70,592	32,441	37,500	651	349	13,139	Oct.
68,346	35,523	32,340	483	391	12,406	Nov.
73,221	36,349	36,307	565	422	12,005	Dec.

液化石油ガス			Liquefied petroleum gas			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	5,964,266	...	5,851,233	122,597	154,173	
30	5,717,344	...	5,673,044	122,349	159,607	
令和 1 年	5,869,132	...	5,797,152	110,952	159,901	
2	4,674,522	...	4,678,102	107,281	130,136	
3	5,415,532	...	5,221,355	107,590	159,266	
令和 1 年度	5,634,789	...	5,613,028	106,201	162,838	
2	4,773,998	...	4,683,494	115,357	132,929	
3 年 1~3月	1,301,507	...	1,257,638	31,966	42,699	
4~6	1,335,253	...	1,281,496	23,466	47,768	
7~9	1,438,125	...	1,370,141	26,588	36,372	
10~12	1,340,647	...	1,312,080	25,570	32,427	
3 年 1月	465,707	...	450,903	11,253	16,647	
2	387,288	...	382,149	9,967	13,596	
3	448,512	...	424,586	10,746	12,456	
4	438,295	...	428,211	6,750	14,432	
5	481,913	...	445,746	9,280	16,690	
6	415,045	...	407,539	7,436	16,646	
7	450,676	...	438,900	7,541	15,263	
8	482,075	...	465,353	8,598	11,915	
9	505,374	...	465,888	10,449	9,194	
10	465,640	...	448,786	8,630	7,533	
11	416,796	...	408,352	9,217	14,691	
12	458,211	...	454,942	7,723	10,203	

石油系炭化水素ガス			Hydrocarbon gas			
平成 29 年	348,584	...	15,046,994	2,022,282	2,274,653	
30	322,986	...	13,838,528	2,076,348	1,354,835	
令和 1 年	346,643	...	13,629,997	1,960,295	1,419,339	
2	238,498	...	11,983,665	1,757,658	1,202,205	
3	233,011	...	12,289,031	1,763,791	1,355,422	
令和 1 年度	335,134	...	13,256,575	1,902,851	1,356,895	
2	219,600	...	11,863,155	1,786,683	1,220,359	
3 年 1~3月	59,445	...	3,037,704	443,306	343,832	
4~6	51,927	...	2,821,763	412,011	313,890	
7~9	55,151	...	3,163,629	467,986	342,753	
10~12	66,488	...	3,265,935	440,488	354,947	
3 年 1月	20,067	...	1,088,889	157,041	126,166	
2	18,310	...	931,621	133,389	106,831	
3	21,068	...	1,017,194	152,876	110,835	
4	19,607	...	986,902	133,608	117,198	
5	16,331	...	974,476	149,933	107,507	
6	15,989	...	860,385	128,470	89,185	
7	16,897	...	985,554	149,347	97,492	
8	20,541	...	1,118,153	160,844	126,774	
9	17,713	...	1,059,922	157,795	118,487	
10	18,626	...	1,040,580	144,178	116,493	
11	23,022	...	1,063,073	145,995	113,105	
12	24,840	...	1,162,282	150,315	125,349	

オイルコークス			Petroleum coke			
平成 29 年	4,097,229	...	4,205,504	1,847,555	-	
30	3,994,867	...	4,112,334	2,009,062	-	
令和 1 年	3,888,562	...	4,204,176	2,026,893	-	
2	3,517,233	...	3,797,069	1,868,147	-	
3	3,297,158	...	3,562,542	1,936,547	-	
令和 1 年度	3,900,309	...	4,117,678	1,900,154	-	
2	3,281,114	...	3,627,944	1,933,310	-	
3 年 1~3月	650,329	...	791,510	439,342	-	
4~6	871,548	...	775,939	413,756	-	
7~9	851,281	...	997,670	558,162	-	
10~12	924,000	...	997,423	525,287	-	
3 年 1月	177,877	...	290,477	176,848	-	
2	206,377	...	257,391	161,131	-	
3	266,075	...	243,642	101,363	-	
4	209,862	...	230,100	106,514	-	
5	491,215	...	283,077	154,353	-	
6	170,471	...	262,762	152,889	-	
7	307,446	...	302,281	172,102	-	
8	194,854	...	355,487	201,487	-	
9	348,981	...	339,902	184,573	-	
10	344,543	...	292,757	150,706	-	
11	295,300	...	374,361	177,885	-	
12	284,157	...	330,305	196,696	-	

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
5,574,463	4,721,852	520,161	332,450	500,417	104,796	C.Y.	2017
5,391,088	4,521,487	506,552	363,049	452,714	98,602	C.Y.	2018
5,526,299	4,695,590	488,977	341,732	473,924	96,848	C.Y.	2019
4,440,685	3,711,484	443,081	286,120	337,343	108,487	C.Y.	2020
4,954,499	4,177,210	450,832	326,457	401,524	123,530	C.Y.	2021
5,343,989	4,542,535	480,422	321,032	438,180	84,974	F.Y.	2019
4,435,208	3,689,948	442,204	303,056	380,124	109,407	F.Y.	2020
1,182,973	979,464	117,576	85,933	113,908	109,407	Q1	2021
1,210,262	1,024,668	108,376	77,218	122,301	110,494	Q2	
1,307,181	1,117,016	109,656	80,509	91,188	119,797	Q3	
1,254,083	1,056,062	115,224	82,797	74,127	123,530	Q4	
423,003	348,625	43,127	31,251	37,136	113,125	Jan.	2021
358,586	297,936	34,589	26,061	36,857	102,614	Feb.	
401,384	332,903	39,860	28,621	39,915	109,407	Mar.	
407,029	340,448	39,322	27,259	37,093	107,218	Apr.	
419,776	361,073	34,873	23,830	43,496	123,374	May	
383,457	323,147	34,181	26,129	41,712	110,494	Jun.	
416,096	352,492	38,292	25,312	39,213	108,865	Jul.	
444,840	380,703	36,932	27,205	47,139	107,819	Aug.	
446,245	383,821	34,432	27,992	4,836	119,797	Sep.	
432,623	366,882	37,255	28,486	4,594	115,670	Oct.	
384,444	322,952	35,344	26,148	33,059	125,559	Nov.	
437,016	366,228	42,625	28,163	36,474	123,530	Dec.	

単位 Unit : 1000m³

10,750,059	382,422	9,953,467	414,170	...	...	C.Y.	2017
10,407,345	351,196	9,626,898	429,251	...	...	C.Y.	2018
10,250,363	364,196	9,463,610	422,557	...	...	C.Y.	2019
9,023,802	361,129	8,289,402	373,271	...	...	C.Y.	2020
9,169,818	376,458	8,427,406	365,954	...	...	C.Y.	2021
9,996,829	374,709	9,213,429	408,691	...	...	F.Y.	2019
8,856,113	350,432	8,141,158	364,523	...	...	F.Y.	2020
2,250,566	96,654	2,066,898	87,014	...	...	Q1	2021
2,095,862	103,592	1,910,548	81,722	...	...	Q2	
2,352,890	92,275	2,163,238	97,377	...	...	Q3	
2,470,500	83,937	2,286,722	99,841	...	...	Q4	
805,682	29,632	741,674	34,376	...	...	Jan.	2021
691,401	32,257	632,928	26,216	...	...	Feb.	
753,483	34,765	692,296	26,422	...	...	Mar.	
736,096	35,627	670,531	29,938	...	...	Apr.	
717,036	37,100	652,108	27,828	...	...	May	
642,730	30,865	587,909	23,956	...	...	Jun.	
738,715	38,210	668,964	31,541	...	...	Jul.	
830,535	33,785	761,208	35,542	...	...	Aug.	
783,640	20,280	733,066	30,294	...	...	Sep.	
779,909	25,347	722,244	32,318	...	...	Oct.	
803,973	26,812	745,761	31,400	...	...	Nov.	
886,618	31,778	818,717	36,123	...	...	Dec.	

単位 Unit : t

2,357,949	968,110	1,379,005	10,834	275,298	571,209	C.Y.	2017
2,103,272	846,915	1,242,271	14,086	284,681	697,077	C.Y.	2018
2,177,283	842,809	1,323,188	11,286	239,023	726,593	C.Y.	2019
1,928,922	746,674	1,172,003	10,245	208,589	685,662	C.Y.	2020
1,625,995	731,873	883,601	10,521	256,187	677,878	C.Y.	2021
2,217,524	862,202	1,344,212	11,110	253,870	608,606	F.Y.	2019
1,694,634	672,101	1,012,159	10,374	174,004	613,719	F.Y.	2020
352,168	159,273	190,107	2,788	28,656	613,719	Q1	2021
362,183	165,624	193,630	2,929	100,912	727,986	Q2	
439,508	199,148	238,028	2,332	70,920	657,371	Q3	
472,136	207,828	261,836	2,472	55,699	677,878	Q4	
113,629	63,347	49,974	308	10,560	610,498	Jan.	2021
96,260	35,631	59,380	1,249	12,869	588,956	Feb.	
142,279	60,295	80,753	1,231	5,227	613,719	Mar.	
123,586	46,953	75,994	639	17,927	595,896	Apr.	
128,724	60,540	66,956	1,228	65,025	783,762	May	
109,873	58,131	50,680	1,062	17,960	727,986	Jun.	
130,179	64,708	64,885	586	12,369	751,677	Jul.	
154,000	68,667	84,801	532	16,091	635,349	Aug.	
155,329	65,773	88,342	1,214	42,460	657,371	Sep.	
142,051	58,307	83,173	571	13,433	724,638	Oct.	
196,476	105,871	89,528	1,077	11,509	683,869	Nov.	
133,609	43,650	89,135	824	30,757	677,878	Dec.	

アスファルト			Asphalt			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	-	...	1,108,030	529,997	578,033	
30	-	...	825,675	337,485	488,190	
令和 1 年	-	...	967,703	476,011	491,692	
2	-	...	478,362	390,219	88,143	
3	-	...	350,543	105,221	245,322	
令和 1 年度	-	...	895,218	528,531	366,687	
2	-	...	331,857	210,579	121,278	
3 年 1~3月	-	...	113,178	34,110	79,068	
4~6	-	...	47,267	4,954	42,313	
7~9	-	...	83,187	17,840	65,347	
10~12	-	...	106,911	48,317	58,594	
3 年 1月	-	...	27,266	6,092	21,174	
2	-	...	38,906	17,953	20,953	
3	-	...	47,006	10,065	36,941	
4	-	...	1,360	1,360	-	
5	-	...	-	-	-	
6	-	...	45,907	3,594	42,313	
7	-	...	39,512	4,733	34,779	
8	-	...	27,868	2,782	25,086	
9	-	...	15,807	10,325	5,482	
10	-	...	32,154	10,130	22,024	
11	-	...	15,607	15,607	-	
12	-	...	59,150	22,580	36,570	
再生油(石油由来)			Reproduction oil (Oil origin)			
平成 29 年	324,891	-	326,045	21,912	-	
30	331,276	-	330,986	21,220	-	
令和 1 年	346,715	-	345,916	20,602	-	
2	346,039	-	345,616	22,050	-	
3	389,424	-	389,967	26,577	-	
令和 1 年度	352,081	-	351,041	21,045	-	
2	354,687	-	354,394	21,855	-	
3 年 1~3月	95,729	-	96,652	5,873	-	
4~6	92,988	-	91,283	6,938	-	
7~9	95,858	-	96,803	6,210	-	
10~12	104,849	-	105,229	7,556	-	
3 年 1月	28,803	-	30,112	1,969	-	
2	32,466	-	32,709	2,025	-	
3	34,460	-	33,831	1,879	-	
4	34,487	-	33,981	3,197	-	
5	26,841	-	25,877	1,383	-	
6	31,660	-	31,425	2,358	-	
7	34,319	-	34,473	2,073	-	
8	30,068	-	29,739	1,824	-	
9	31,471	-	32,591	2,313	-	
10	35,971	-	36,230	2,829	-	
11	34,898	-	34,831	2,408	-	
12	33,980	-	34,168	2,319	-	
非石油系燃料(原油換算)			Non-oil based fuels(Crude petroleum equivalent)			
平成 29 年	92,458,742	47,200,862	118,915,174	23,657,994	2,771,170	
30	92,860,597	46,704,487	118,696,733	23,742,436	2,630,875	
令和 1 年	89,982,935	46,277,904	115,901,287	23,062,091	2,548,022	
2	80,043,568	41,002,685	103,131,990	21,692,260	2,433,333	
3	86,404,136	43,150,681	110,779,370	22,660,634	2,527,374	
令和 1 年度	89,413,959	46,188,137	115,690,085	23,031,968	2,504,792	
2	79,380,331	40,372,198	102,041,573	21,555,802	2,463,866	
3 年 1~3月	21,087,799	10,798,573	27,995,841	5,924,325	662,895	
4~6	21,757,186	10,852,257	27,381,528	5,333,105	627,315	
7~9	21,757,378	10,760,921	27,888,353	5,869,563	630,739	
10~12	21,801,772	10,738,930	27,513,648	5,533,641	606,425	
3 年 1月	6,339,872	3,716,605	9,599,628	2,036,247	227,584	
2	7,106,902	3,369,256	8,748,639	1,846,291	202,837	
3	7,641,024	3,712,712	9,647,574	2,041,787	232,474	
4	7,100,296	3,550,026	9,054,915	1,837,186	210,686	
5	7,517,145	3,723,833	9,357,921	1,777,632	202,537	
6	7,139,745	3,578,398	8,968,692	1,718,286	214,091	
7	7,386,239	3,629,181	9,362,265	1,967,382	215,793	
8	7,067,256	3,604,917	9,369,429	1,993,407	203,764	
9	7,303,883	3,526,822	9,156,658	1,908,774	211,182	
10	7,242,770	3,591,816	9,141,364	1,790,162	189,556	
11	7,420,018	3,532,304	8,911,980	1,766,925	196,412	
12	7,138,984	3,614,810	9,460,304	1,976,554	220,458	

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
-	-	-	-	258	-	C.Y. 2017
-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	Q2
-	-	-	-	-	-	Q3
-	-	-	-	-	-	Q4
-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	Feb.
-	-	-	-	-	-	Mar.
-	-	-	-	-	-	Apr.
-	-	-	-	-	-	May
-	-	-	-	-	-	Jun.
-	-	-	-	-	-	Jul.
-	-	-	-	-	-	Aug.
-	-	-	-	-	-	Sep.
-	-	-	-	-	-	Oct.
-	-	-	-	-	-	Nov.
-	-	-	-	-	-	Dec.

単位 Unit : kl

304,133	-	286,454	17,679	-	7,320	C.Y. 2017
309,766	-	291,220	18,546	-	7,502	C.Y. 2018
325,314	-	305,078	20,236	-	8,262	C.Y. 2019
323,566	-	301,491	22,075	-	9,896	C.Y. 2020
363,390	-	343,225	20,165	2	8,752	C.Y. 2021
329,996	-	308,775	21,221	-	7,469	F.Y. 2019
332,539	-	310,157	22,382	2	8,751	F.Y. 2020
90,779	-	84,893	5,886	2	8,751	Q1 2021
84,345	-	79,324	5,021	-	10,069	Q2
90,593	-	86,114	4,479	-	9,129	Q3
97,673	-	92,894	4,779	-	8,752	Q4
28,143	-	26,293	1,850	-	8,523	Jan. 2021
30,684	-	28,713	1,971	2	8,121	Feb.
31,952	-	29,887	2,065	-	8,751	Mar.
30,784	-	29,044	1,740	-	8,882	Apr.
24,494	-	23,095	1,399	-	9,835	May
29,067	-	27,185	1,882	-	10,069	Jun.
32,400	-	30,799	1,601	-	9,916	Jul.
27,915	-	26,808	1,107	-	10,246	Aug.
30,278	-	28,507	1,771	-	9,129	Sep.
33,401	-	31,562	1,839	-	8,871	Oct.
32,423	-	30,733	1,690	-	8,999	Nov.
31,849	-	30,599	1,250	-	8,752	Dec.

単位 Unit : kl

92,486,010	36,538,600	54,416,976	1,530,433	20,576,758	8,528,150	C.Y. 2017
92,323,422	36,436,623	54,411,150	1,475,648	20,099,007	8,683,961	C.Y. 2018
90,291,174	36,202,064	52,571,117	1,517,993	19,818,544	8,736,788	C.Y. 2019
79,006,398	33,044,721	44,563,422	1,398,255	18,344,634	8,278,281	C.Y. 2020
85,591,362	34,133,386	49,950,481	1,507,495	18,950,550	7,665,539	C.Y. 2021
90,153,325	36,214,932	52,382,879	1,555,514	19,907,422	7,716,196	F.Y. 2019
78,021,905	32,545,711	44,118,644	1,357,550	18,088,189	7,249,617	F.Y. 2020
21,408,621	8,527,668	12,496,837	384,117	4,784,889	7,249,617	Q1 2021
21,421,108	8,578,438	12,460,113	382,558	4,833,989	7,606,120	Q2
21,388,051	8,496,563	12,524,806	366,682	4,762,434	7,304,050	Q3
21,373,582	8,530,718	12,468,725	374,139	4,569,238	7,665,539	Q4
7,335,797	2,946,963	4,255,649	133,185	1,537,986	7,182,679	Jan. 2021
6,699,512	2,672,493	3,907,870	119,149	1,575,839	7,337,826	Feb.
7,373,313	2,908,212	4,333,318	131,783	1,671,064	7,249,617	Mar.
7,007,042	2,843,081	4,041,240	122,721	1,547,262	7,286,151	Apr.
7,377,752	2,919,352	4,319,983	138,417	1,688,279	7,474,926	May
7,036,315	2,816,005	4,098,890	121,420	1,598,448	7,606,120	Jun.
7,179,090	2,868,049	4,188,352	122,689	1,640,041	7,629,837	Jul.
7,172,258	2,843,237	4,204,838	124,183	1,603,155	7,258,138	Aug.
7,036,703	2,785,276	4,131,616	119,810	1,519,238	7,304,050	Sep.
7,161,647	2,875,014	4,168,008	118,624	1,661,707	7,287,565	Oct.
6,948,643	2,772,596	4,050,520	125,527	1,516,346	7,755,832	Nov.
7,263,292	2,883,107	4,250,198	129,987	1,391,185	7,665,539	Dec.

石炭			Coal			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	93,825,326	...	87,021,860	18,099,492	-	
30	93,214,910	...	86,865,328	18,182,838	-	
令和 1 年	91,354,556	...	84,567,901	17,442,163	-	
2	81,963,671	...	76,201,814	16,774,135	-	
3	87,250,173	...	81,190,032	17,012,274	-	
令和 1 年度	91,246,533	...	84,889,776	17,475,565	-	
2	80,772,931	...	75,272,454	16,700,380	-	
3 年 1~3月	20,866,103	...	20,488,394	4,540,140	-	
4~6	21,998,554	...	19,984,130	3,855,908	-	
7~9	22,072,480	...	20,468,265	4,507,843	-	
10~12	22,313,036	...	20,249,243	4,108,383	-	
3 年 1月	6,072,243	...	7,062,515	1,550,874	-	
2	7,240,069	...	6,398,448	1,421,348	-	
3	7,553,791	...	7,027,431	1,567,918	-	
4	7,022,534	...	6,584,612	1,340,866	-	
5	7,679,224	...	6,839,262	1,259,348	-	
6	7,296,796	...	6,560,256	1,255,694	-	
7	7,516,432	...	6,878,564	1,522,265	-	
8	7,106,893	...	6,875,349	1,538,325	-	
9	7,449,155	...	6,714,352	1,447,253	-	
10	7,486,278	...	6,769,219	1,300,736	-	
11	7,656,998	...	6,515,419	1,312,306	-	
12	7,169,760	...	6,964,605	1,495,341	-	

石炭コークス			Coal coke			
平成 29 年	9,346,777	32,915,577	31,744,040	-	-	
30	9,769,434	32,769,636	31,523,943	-	-	
令和 1 年	8,419,665	32,861,588	30,966,060	-	-	
2	6,389,514	29,937,715	26,355,716	-	-	
3	7,720,190	30,659,291	28,682,013	-	-	
令和 1 年度	8,006,661	32,825,669	30,623,277	-	-	
2	6,610,093	29,477,229	26,113,738	-	-	
3 年 1~3月	1,983,678	7,687,004	7,222,668	-	-	
4~6	2,166,382	7,727,004	7,176,100	-	-	
7~9	1,896,189	7,573,283	7,248,191	-	-	
10~12	1,673,941	7,672,000	7,035,054	-	-	
3 年 1月	590,003	2,655,457	2,453,432	-	-	
2	617,016	2,402,547	2,268,680	-	-	
3	776,659	2,629,000	2,500,556	-	-	
4	722,609	2,547,733	2,352,140	-	-	
5	769,593	2,641,023	2,474,562	-	-	
6	674,180	2,538,248	2,349,398	-	-	
7	626,542	2,574,035	2,446,668	-	-	
8	627,718	2,525,456	2,441,849	-	-	
9	641,929	2,473,792	2,359,674	-	-	
10	547,837	2,558,638	2,330,130	-	-	
11	582,481	2,532,494	2,309,856	-	-	
12	543,623	2,580,868	2,395,068	-	-	

タール			Tar			
平成 29 年	375,838	984,757	523,298	-	-	
30	365,207	957,008	541,230	-	-	
令和 1 年	329,706	923,959	502,577	-	-	
2	343,803	851,394	494,251	-	-	
3	369,150	844,553	525,211	-	-	
令和 1 年度	318,143	909,434	490,369	-	-	
2	345,393	838,489	501,184	-	-	
3 年 1~3月	94,436	212,989	138,467	-	-	
4~6	88,107	215,213	136,164	-	-	
7~9	83,692	206,945	107,838	-	-	
10~12	102,915	209,406	142,742	-	-	
3 年 1月	28,718	70,761	43,384	-	-	
2	30,715	68,623	46,908	-	-	
3	35,003	73,605	48,175	-	-	
4	35,339	69,759	49,772	-	-	
5	30,045	72,506	46,179	-	-	
6	22,723	72,948	40,213	-	-	
7	19,192	67,986	21,585	-	-	
8	30,217	72,120	37,783	-	-	
9	34,283	66,839	48,470	-	-	
10	30,139	69,521	42,559	-	-	
11	35,468	70,561	47,868	-	-	
12	37,308	69,324	52,315	-	-	

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
68,922,368	47,989,927	20,917,962	14,479	7,468,421	9,756,297	C.Y.	2017
68,682,490	47,819,566	20,848,245	14,679	6,244,232	9,890,659	C.Y.	2018
67,125,738	47,640,548	19,473,879	11,311	6,790,788	9,998,212	C.Y.	2019
59,427,679	43,327,350	16,084,121	16,208	6,721,421	9,400,684	C.Y.	2020
64,177,758	44,772,054	19,371,276	34,428	7,149,388	8,317,744	C.Y.	2021
67,414,211	47,632,603	19,768,600	13,008	6,955,951	8,719,004	F.Y.	2019
58,572,074	42,678,771	15,880,171	13,132	6,549,451	7,992,604	F.Y.	2020
15,948,254	11,173,384	4,772,833	2,037	1,753,865	7,992,604	Q1	2021
16,128,222	11,241,663	4,862,203	24,356	1,796,459	8,312,121	Q2	
15,960,422	11,163,143	4,791,408	5,871	1,784,383	8,067,462	Q3	
16,140,860	11,193,864	4,944,832	2,164	1,814,681	8,317,744	Q4	
5,511,641	3,868,059	1,642,946	636	504,504	7,931,780	Jan.	2021
4,977,100	3,503,991	1,472,523	586	690,649	8,141,328	Feb.	
5,459,513	3,801,334	1,657,364	815	558,712	7,992,604	Mar.	
5,243,746	3,715,966	1,524,405	3,375	519,075	7,936,806	Apr.	
5,579,914	3,825,084	1,734,555	20,275	731,075	8,094,629	May	
5,304,562	3,700,613	1,603,243	706	546,309	8,312,121	Jun.	
5,356,299	3,785,870	1,568,390	2,039	606,586	8,399,919	Jul.	
5,337,024	3,729,391	1,606,347	1,286	644,447	7,933,089	Aug.	
5,267,099	3,647,882	1,616,671	2,546	533,350	8,067,462	Sep.	
5,468,483	3,778,282	1,689,604	597	709,185	8,057,164	Oct.	
5,203,113	3,645,208	1,556,872	1,033	596,952	8,558,753	Nov.	
5,469,264	3,770,374	1,698,356	534	508,544	8,317,744	Dec.	

単位 Unit : t

31,744,040	538,720	31,121,902	83,418	10,209,541	2,012,717	C.Y.	2017
31,523,943	555,291	30,895,815	72,837	10,654,444	2,070,831	C.Y.	2018
30,966,060	512,334	30,376,712	77,014	10,184,094	1,953,867	C.Y.	2019
26,355,716	470,115	25,801,008	84,593	9,781,778	1,914,034	C.Y.	2020
28,682,013	483,057	28,119,530	79,426	9,293,972	2,135,460	C.Y.	2021
30,623,277	501,118	30,037,067	85,092	10,043,101	1,873,474	F.Y.	2019
26,113,738	460,561	25,575,602	77,575	9,766,331	1,875,704	F.Y.	2020
7,222,668	119,093	7,085,030	18,545	2,424,938	1,875,704	Q1	2021
7,176,100	127,098	7,030,108	18,894	2,494,316	2,067,674	Q2	
7,248,191	112,664	7,115,583	19,944	2,306,148	1,914,480	Q3	
7,035,054	124,202	6,888,809	22,043	2,068,570	2,135,460	Q4	
2,453,432	41,769	2,405,678	5,985	797,360	1,880,752	Jan.	2021
2,268,680	39,722	2,222,999	5,959	723,342	1,890,135	Feb.	
2,500,556	37,602	2,456,353	6,601	904,236	1,875,704	Mar.	
2,352,140	42,697	2,303,352	6,091	833,141	1,948,715	Apr.	
2,474,562	43,077	2,425,098	6,387	807,472	2,069,700	May	
2,349,398	41,324	2,301,658	6,416	853,703	2,067,674	Jun.	
2,446,668	38,711	2,401,797	6,160	825,254	1,990,671	Jul.	
2,441,849	38,770	2,396,134	6,945	734,271	1,956,605	Aug.	
2,359,674	35,183	2,317,652	6,839	746,623	1,914,480	Sep.	
2,330,130	42,207	2,280,207	7,716	751,502	1,928,431	Oct.	
2,309,856	42,676	2,259,102	8,078	677,868	2,060,448	Nov.	
2,395,068	39,319	2,349,500	6,249	639,200	2,135,460	Dec.	

単位 Unit : t

523,298	523,298	-	-	818,028	47,072	C.Y.	2017
541,230	541,230	-	-	760,403	50,386	C.Y.	2018
502,577	502,577	-	-	717,273	48,989	C.Y.	2019
494,251	494,251	-	-	670,444	47,928	C.Y.	2020
525,211	525,211	-	-	656,840	47,754	C.Y.	2021
490,369	490,369	-	-	711,872	49,841	F.Y.	2019
501,184	501,184	-	-	651,002	48,877	F.Y.	2020
138,467	138,467	-	-	159,013	48,877	Q1	2021
136,164	136,164	-	-	170,349	37,602	Q2	
107,838	107,838	-	-	166,193	47,516	Q3	
142,742	142,742	-	-	161,285	47,754	Q4	
43,384	43,384	-	-	54,141	46,812	Jan.	2021
46,908	46,908	-	-	48,071	48,365	Feb.	
48,175	48,175	-	-	56,801	48,877	Mar.	
49,772	49,772	-	-	54,679	46,970	Apr.	
46,179	46,179	-	-	54,677	45,891	May	
40,213	40,213	-	-	60,993	37,602	Jun.	
21,585	21,585	-	-	60,085	41,028	Jul.	
37,783	37,783	-	-	57,039	46,362	Aug.	
48,470	48,470	-	-	49,069	47,516	Sep.	
42,559	42,559	-	-	53,673	48,363	Oct.	
47,868	47,868	-	-	54,806	49,263	Nov.	
52,315	52,315	-	-	52,806	47,754	Dec.	

コークス炉ガス			Coke oven gas				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	1,989,006	14,091,256	11,294,663	1,553,564	-		
30	1,956,078	13,961,179	11,310,144	1,456,225	-		
令和 1 年	1,980,705	13,957,125	11,290,978	1,463,139	37		
2	1,857,892	12,823,207	10,417,196	1,636,592	-		
3	1,965,159	13,128,013	10,873,325	1,465,356	-		
令和 1 年度	2,006,654	13,957,025	11,235,965	1,489,340	-		
2	1,839,978	12,634,655	10,354,779	1,627,403	-		
3 年 1~3月	491,044	3,286,347	2,701,848	368,688	-		
4~6	493,691	3,308,542	2,742,166	378,105	-		
7~9	491,355	3,264,384	2,701,752	353,205	-		
10~12	489,069	3,268,740	2,727,559	365,358	-		
3 年 1月	171,787	1,143,522	938,055	148,244	-		
2	152,881	1,020,992	836,392	106,139	-		
3	166,376	1,121,833	927,401	114,305	-		
4	162,184	1,092,746	900,889	122,678	-		
5	169,612	1,125,780	940,203	132,223	-		
6	161,895	1,090,016	901,074	123,204	-		
7	167,451	1,108,838	913,129	110,105	-		
8	164,002	1,094,038	905,036	120,538	-		
9	159,902	1,061,508	883,587	122,562	-		
10	168,568	1,097,301	909,216	129,542	-		
11	158,699	1,076,716	895,548	105,431	-		
12	161,802	1,094,723	922,795	130,385	-		
高炉ガス			Blast furnace gas				
平成 29 年	2,935,141	126,057,151	88,583,982	29,111,565	2,982,550		
30	3,119,479	125,518,225	85,483,076	28,234,940	2,017,698		
令和 1 年	3,058,915	121,652,837	84,358,365	29,749,412	1,011,629		
2	2,090,936	98,309,280	69,953,793	23,617,140	98,093		
3	2,866,458	113,304,306	77,985,139	26,836,155	77,134		
令和 1 年度	3,041,090	120,947,477	83,108,162	28,946,180	501,972		
2	2,058,175	97,105,433	69,112,664	23,718,741	-		
3 年 1~3月	677,601	28,242,929	19,433,768	6,785,887	-		
4~6	693,366	28,360,277	19,970,019	7,083,991	-		
7~9	753,573	28,768,433	19,669,487	6,870,240	1,117		
10~12	741,918	27,932,667	18,911,865	6,096,037	76,017		
3 年 1月	228,246	9,656,721	6,726,058	2,344,804	-		
2	213,845	8,769,112	6,006,079	2,101,755	-		
3	235,510	9,817,096	6,701,631	2,339,328	-		
4	217,786	9,143,081	6,460,460	2,296,326	-		
5	242,614	9,852,545	6,969,598	2,501,289	-		
6	232,966	9,364,651	6,539,961	2,286,376	-		
7	243,258	9,569,216	6,571,230	2,334,325	-		
8	252,807	9,697,794	6,703,400	2,363,006	-		
9	257,508	9,501,423	6,394,857	2,172,909	1,117		
10	250,879	9,338,772	6,230,481	1,980,822	2,903		
11	234,346	9,106,649	5,991,722	1,882,530	-		
12	256,693	9,487,246	6,689,662	2,232,685	73,114		
転炉ガス			Converter furnace gas				
平成 29 年	303,895	7,464,036	5,388,329	1,787,273	17,818		
30	309,255	7,372,432	5,307,080	1,733,758	18,938		
令和 1 年	322,900	6,962,702	5,086,317	1,658,963	13,031		
2	230,359	5,930,119	4,335,524	1,489,808	2,751		
3	263,673	6,689,865	4,701,798	1,501,373	-		
令和 1 年度	320,210	7,021,775	5,163,681	1,725,710	9,691		
2	215,841	5,853,004	4,216,856	1,413,398	-		
3 年 1~3月	65,182	1,685,910	1,196,644	382,117	-		
4~6	62,868	1,658,417	1,180,023	410,121	-		
7~9	67,413	1,729,582	1,218,142	372,168	-		
10~12	68,210	1,615,956	1,106,989	336,967	-		
3 年 1月	22,727	550,038	388,332	119,069	-		
2	21,261	539,127	377,401	121,116	-		
3	21,194	596,745	430,911	141,932	-		
4	21,484	509,153	366,906	122,848	-		
5	21,769	583,107	419,068	149,440	-		
6	19,615	566,157	394,049	137,833	-		
7	23,656	562,979	403,155	118,303	-		
8	20,616	576,808	399,797	118,166	-		
9	23,141	589,795	415,190	135,699	-		
10	24,226	561,281	389,307	117,086	-		
11	22,707	523,018	346,405	93,683	-		
12	21,277	531,657	371,277	126,198	-		

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
9,741,099	8,139	9,272,806	460,154	4,575,564	...	C.Y.	2017
9,853,919	8,761	9,397,464	447,694	4,361,454	...	C.Y.	2018
9,827,802	8,641	9,372,699	446,462	4,437,476	...	C.Y.	2019
8,780,604	7,455	8,384,988	388,161	4,165,810	...	C.Y.	2020
9,407,969	7,089	8,949,725	451,155	4,030,230	...	C.Y.	2021
9,746,625	8,555	9,302,389	435,681	4,500,431	...	F.Y.	2019
8,727,376	6,877	8,315,914	404,585	4,033,760	...	F.Y.	2020
2,333,160	1,636	2,209,021	122,503	1,012,746	...	Q1	2021
2,364,061	1,755	2,246,173	116,133	1,022,310	...	Q2	
2,348,547	1,835	2,247,139	99,573	1,011,773	...	Q3	
2,362,201	1,863	2,247,392	112,946	983,401	...	Q4	
789,811	638	754,032	35,141	353,106	...	Jan.	2021
730,253	544	694,273	35,436	318,198	...	Feb.	
813,096	454	760,716	51,926	341,442	...	Mar.	
778,211	528	740,555	37,128	347,583	...	Apr.	
807,980	610	765,755	41,615	337,197	...	May	
777,870	617	739,863	37,390	337,530	...	Jun.	
803,024	594	766,274	36,156	345,917	...	Jul.	
784,498	635	749,915	33,948	339,361	...	Aug.	
761,025	606	730,950	29,469	326,495	...	Sep.	
779,674	604	744,484	34,586	341,767	...	Oct.	
790,117	635	749,155	40,327	324,208	...	Nov.	
792,410	624	753,753	38,033	317,426	...	Dec.	

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
56,489,867	-	51,879,549	4,610,318	38,528,010	...	C.Y.	2017
55,230,438	-	51,137,095	4,093,343	41,315,993	...	C.Y.	2018
53,597,324	-	49,149,493	4,447,831	38,687,106	...	C.Y.	2019
46,238,560	-	42,240,045	3,998,515	30,001,309	...	C.Y.	2020
51,071,850	-	46,653,319	4,418,531	36,929,834	...	C.Y.	2021
53,660,010	-	49,080,049	4,579,961	39,356,781	...	F.Y.	2019
45,393,923	-	41,556,151	3,837,772	29,664,046	...	F.Y.	2020
12,647,881	-	11,652,905	994,976	9,221,378	...	Q1	2021
12,886,028	-	11,648,213	1,237,815	8,765,091	...	Q2	
12,798,130	-	11,724,815	1,073,315	9,556,281	...	Q3	
12,739,811	-	11,627,386	1,112,425	9,387,084	...	Q4	
4,381,254	-	4,013,712	367,542	3,075,789	...	Jan.	2021
3,904,324	-	3,603,915	300,409	2,902,133	...	Feb.	
4,362,303	-	4,035,278	327,025	3,243,456	...	Mar.	
4,164,134	-	3,759,477	404,657	2,816,176	...	Apr.	
4,468,309	-	4,046,268	422,041	3,008,184	...	May	
4,253,585	-	3,842,468	411,117	2,940,731	...	Jun.	
4,236,905	-	3,883,509	353,396	3,150,235	...	Jul.	
4,340,394	-	3,987,974	352,420	3,167,048	...	Aug.	
4,220,831	-	3,853,332	367,499	3,238,998	...	Sep.	
4,246,756	-	3,870,177	376,579	3,243,799	...	Oct.	
4,109,192	-	3,768,189	341,003	3,186,547	...	Nov.	
4,383,863	-	3,989,020	394,843	2,956,738	...	Dec.	

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
3,583,238	-	3,265,284	317,954	2,012,292	...	C.Y.	2017
3,554,384	-	3,269,156	285,228	1,966,491	...	C.Y.	2018
3,414,323	-	3,129,981	284,342	1,773,745	...	C.Y.	2019
2,842,965	-	2,621,770	221,195	1,446,169	...	C.Y.	2020
3,200,425	-	2,923,824	276,601	1,933,891	...	C.Y.	2021
3,428,280	-	3,143,741	284,539	1,721,150	...	F.Y.	2019
2,803,458	-	2,585,997	217,461	1,493,821	...	F.Y.	2020
814,527	-	749,880	64,647	465,982	...	Q1	2021
769,902	-	700,459	69,443	458,176	...	Q2	
845,974	-	774,562	71,412	505,617	...	Q3	
770,022	-	698,923	71,099	504,116	...	Q4	
269,263	-	253,817	15,446	158,723	...	Jan.	2021
256,285	-	233,370	22,915	150,705	...	Feb.	
288,979	-	262,693	26,286	156,554	...	Mar.	
244,058	-	221,916	22,142	139,976	...	Apr.	
269,628	-	241,143	28,485	153,974	...	May	
256,216	-	237,400	18,816	164,226	...	Jun.	
284,852	-	263,638	21,214	162,772	...	Jul.	
281,631	-	257,976	23,655	174,656	...	Aug.	
279,491	-	252,948	26,543	168,189	...	Sep.	
272,221	-	246,046	26,175	175,372	...	Oct.	
252,722	-	229,470	23,252	172,387	...	Nov.	
245,079	-	223,407	21,672	156,357	...	Dec.	

電気炉ガス			Electric furnace gas				
年 月			受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
					合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成	29	年	5,854	120,711	89,946	66,896	-
	30		6,409	115,324	88,404	69,316	-
令和	1	年	7,375	110,084	83,982	63,262	-
	2		2,997	86,794	79,370	66,435	-
	3		5,835	95,911	86,101	74,214	-
令和	1	年度	6,608	106,711	85,540	65,278	-
	2		3,778	76,916	77,231	66,603	-
	3	年	2,092	20,437	22,529	20,437	-
		1～3月					
		4～6	836	28,330	22,921	20,399	-
		7～9	480	18,979	13,992	11,386	-
		10～12	2,427	28,165	26,659	21,992	-
	3	年	824	6,448	7,272	6,448	-
		1月					
		2	436	5,990	6,426	5,990	-
		3	832	7,999	8,831	7,999	-
		4	734	9,950	8,960	7,404	-
		5	102	10,527	7,701	7,588	-
		6	-	7,853	6,260	5,407	-
		7	-	9,779	7,806	7,111	-
		8	146	6,015	4,415	3,526	-
		9	334	3,185	1,771	749	-
		10	872	9,121	8,346	6,498	-
		11	998	11,330	10,445	8,347	-
		12	557	7,714	7,868	7,147	-
天然ガス			Natural gas				
平成	29	年	550,016	92,661	700,588	233,041	151,632
	30		591,477	76,526	727,546	237,055	156,858
令和	1	年	535,832	71,008	657,190	238,419	145,920
	2		519,375	62,486	639,151	198,973	157,709
	3		561,497	56,391	669,954	209,533	196,438
令和	1	年度	525,266	70,359	644,819	215,204	146,010
	2		526,027	59,176	645,706	213,402	168,990
	3	年	154,220	14,786	187,396	62,797	50,551
		1～3月					
		4～6	130,492	13,985	149,007	47,535	46,352
		7～9	131,757	13,758	160,684	43,898	52,332
		10～12	145,028	13,862	172,867	55,303	47,203
	3	年	56,259	5,250	68,043	22,323	17,079
		1月					
		2	47,804	4,764	57,260	20,101	15,446
		3	50,157	4,772	62,093	20,373	18,026
		4	50,036	4,535	58,152	18,660	16,685
		5	42,915	4,687	46,742	16,201	13,595
		6	37,541	4,763	44,113	12,674	16,072
		7	45,579	4,648	55,403	16,335	18,850
		8	44,874	4,810	55,086	15,211	17,340
		9	41,304	4,300	50,195	12,352	16,142
		10	43,579	4,559	52,811	16,027	13,215
		11	48,199	4,595	57,337	18,198	15,697
		12	53,250	4,708	62,719	21,078	18,291
液化天然ガス			Liquefied natural gas				
平成	29	年	1,753,448	...	1,575,900	252,625	358,880
	30		1,767,495	...	1,581,310	260,259	350,815
令和	1	年	1,703,197	...	1,507,755	241,876	354,851
	2		1,613,642	...	1,473,506	214,127	375,381
	3		1,688,389	...	1,536,578	225,803	368,075
令和	1	年度	1,703,584	...	1,513,145	234,330	360,200
	2		1,641,864	...	1,495,628	219,752	375,922
	3	年	465,391	...	416,865	62,588	95,495
		1～3月					
		4～6	401,094	...	385,895	51,229	98,028
		7～9	423,297	...	390,847	57,800	90,150
		10～12	398,607	...	342,971	54,186	84,402
	3	年	149,781	...	144,461	22,886	34,325
		1月					
		2	134,936	...	128,349	20,328	27,187
		3	180,674	...	144,055	19,374	33,983
		4	137,123	...	130,184	17,788	32,628
		5	132,267	...	128,517	16,452	32,855
		6	131,704	...	127,194	16,989	32,545
		7	155,246	...	137,313	22,495	27,718
		8	135,824	...	131,881	18,773	30,736
		9	132,227	...	121,653	16,532	31,696
		10	113,493	...	112,415	16,671	26,081
		11	120,934	...	104,531	18,712	27,055
		12	164,180	...	126,025	18,803	31,266

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
23,050	-	23,050	-	36,619	---	C.Y. 2017
19,088	-	19,088	-	33,329	---	C.Y. 2018
20,720	-	20,720	-	33,477	---	C.Y. 2019
12,935	-	12,935	-	10,421	---	C.Y. 2020
11,887	-	11,887	-	15,645	---	C.Y. 2021
20,262	-	20,262	-	27,779	---	F.Y. 2019
10,628	-	10,628	-	3,463	---	F.Y. 2020
2,092	-	2,092	-	-	---	Q1 2021
2,522	-	2,522	-	6,245	---	Q2
2,606	-	2,606	-	5,467	---	Q3
4,667	-	4,667	-	3,933	---	Q4
824	-	824	-	-	---	Jan. 2021
436	-	436	-	-	---	Feb.
832	-	832	-	-	---	Mar.
1,556	-	1,556	-	1,724	---	Apr.
113	-	113	-	2,928	---	May
853	-	853	-	1,593	---	Jun.
695	-	695	-	1,973	---	Jul.
889	-	889	-	1,746	---	Aug.
1,022	-	1,022	-	1,748	---	Sep.
1,848	-	1,848	-	1,647	---	Oct.
2,098	-	2,098	-	1,883	---	Nov.
721	-	721	-	403	---	Dec.

				単位 Unit : 1000m ³				
315,915	79,329	212,087	24,499	14,737	24	C.Y. 2017		
333,633	78,397	225,512	29,724	14,875	16	C.Y. 2018		
272,851	70,645	178,888	23,318	11,893	19	C.Y. 2019		
282,469	70,028	170,971	41,470	12,295	16	C.Y. 2020		
263,983	72,485	171,212	20,286	11,069	18	C.Y. 2021		
283,605	69,923	172,647	41,035	11,993	16	F.Y. 2019		
263,314	73,763	164,924	24,627	12,356	14	F.Y. 2020		
74,048	22,833	44,693	6,522	2,795	14	Q1 2021		
55,120	12,908	37,349	4,863	2,659	14	Q2		
64,454	19,063	39,906	5,485	2,920	17	Q3		
70,361	17,681	49,264	3,416	2,695	18	Q4		
28,641	8,204	18,109	2,328	956	7	Jan. 2021		
21,713	6,536	13,110	2,067	856	11	Feb.		
23,694	8,093	13,474	2,127	983	14	Mar.		
22,807	6,021	14,892	1,894	901	24	Apr.		
16,946	4,521	10,526	1,899	876	7	May		
15,367	2,366	11,931	1,070	882	14	Jun.		
20,218	6,635	11,728	1,855	906	21	Jul.		
22,535	6,544	13,589	2,402	847	16	Aug.		
21,701	5,884	14,589	1,228	1,167	17	Sep.		
23,569	5,808	16,675	1,086	898	13	Oct.		
23,442	5,993	16,323	1,126	886	16	Nov.		
23,350	5,880	16,266	1,204	911	18	Dec.		

				単位 Unit : t				
964,395	214,496	699,059	50,840	188,446	26,086	C.Y. 2017		
970,236	225,963	688,436	55,837	166,805	45,263	C.Y. 2018		
911,028	188,258	677,785	44,985	156,689	83,761	C.Y. 2019		
883,998	209,041	633,599	41,358	161,800	58,080	C.Y. 2020		
942,700	232,467	662,368	47,865	163,484	45,736	C.Y. 2021		
918,615	198,243	675,711	44,661	161,958	76,792	F.Y. 2019		
899,954	214,996	642,887	42,071	158,970	63,542	F.Y. 2020		
258,782	63,956	182,502	12,324	42,939	63,542	Q1 2021		
236,638	65,721	159,885	11,032	35,607	43,048	Q2		
242,897	65,126	164,994	12,777	41,486	33,704	Q3		
204,383	37,664	154,987	11,732	43,452	45,736	Q4		
87,250	20,039	62,746	4,465	14,581	48,764	Jan. 2021		
80,834	18,800	58,007	4,027	13,647	41,655	Feb.		
90,698	25,117	61,749	3,832	14,711	63,542	Mar.		
79,768	21,690	54,377	3,701	13,110	57,380	Apr.		
79,210	23,377	52,467	3,366	11,499	49,648	May		
77,660	20,654	53,041	3,965	10,998	43,048	Jun.		
87,100	23,402	58,900	4,798	14,260	46,646	Jul.		
82,372	22,719	55,260	4,393	13,372	37,081	Aug.		
73,425	19,005	50,834	3,586	13,854	33,704	Sep.		
69,663	14,168	52,017	3,478	9,414	25,268	Oct.		
58,764	5,834	48,961	3,969	16,285	25,335	Nov.		
75,956	17,662	54,009	4,285	17,753	45,736	Dec.		

都市ガス(A)		Town gas(A)				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	5,391,300	...	5,391,300	1,031,124	1,595,169	
30	5,497,232	...	5,497,232	1,056,438	1,547,571	
令和 1 年	5,368,684	...	5,368,684	998,418	1,552,656	
2	4,927,791	...	4,927,791	1,048,102	1,497,640	
3	5,309,245	...	5,309,245	1,064,243	1,554,539	
令和 1 年度	5,277,197	...	5,277,197	985,631	1,547,568	
2	4,966,867	...	4,966,867	1,049,926	1,521,531	
3 年 1~3月	1,403,452	...	1,403,452	292,948	411,266	
4~6	1,277,000	...	1,277,000	247,977	382,026	
7~9	1,295,865	...	1,295,865	250,649	388,325	
10~12	1,332,928	...	1,332,928	272,669	372,922	
3 年 1月	476,775	...	476,775	105,878	139,695	
2	452,197	...	452,197	96,920	128,189	
3	474,480	...	474,480	90,150	143,382	
4	442,603	...	442,603	93,655	127,574	
5	412,033	...	412,033	78,129	123,297	
6	422,364	...	422,364	76,193	131,155	
7	447,162	...	447,162	89,885	135,819	
8	422,330	...	422,330	83,281	123,193	
9	426,373	...	426,373	77,483	129,313	
10	422,215	...	422,215	84,239	119,921	
11	448,128	...	448,128	94,284	122,757	
12	462,585	...	462,585	94,146	130,244	

都市ガス(B)		Town gas(B)				
平成 29 年	5,850,635	...	5,850,588	1,117,630	1,721,000	
30	5,968,974	...	5,968,932	1,145,537	1,673,903	
令和 1 年	5,826,742	...	5,826,721	1,082,656	1,676,027	
2	5,346,428	...	5,346,339	1,136,905	1,616,896	
3	5,760,795	...	5,760,739	1,151,207	1,679,933	
令和 1 年度	5,727,942	...	5,727,901	1,068,946	1,671,082	
2	5,388,230	...	5,388,145	1,137,867	1,642,697	
3 年 1~3月	1,523,304	...	1,523,287	317,017	444,803	
4~6	1,384,541	...	1,384,523	267,728	412,242	
7~9	1,405,988	...	1,405,968	271,182	419,650	
10~12	1,446,963	...	1,446,961	295,280	403,237	
3 年 1月	517,053	...	517,045	114,610	150,946	
2	491,292	...	491,289	104,977	138,833	
3	514,959	...	514,954	97,430	155,024	
4	479,786	...	479,774	101,015	137,691	
5	446,620	...	446,613	84,278	132,900	
6	458,135	...	458,136	82,435	141,652	
7	485,250	...	485,233	97,235	146,810	
8	458,140	...	458,138	90,138	133,027	
9	462,598	...	462,596	83,809	139,813	
10	458,561	...	458,562	91,242	129,852	
11	486,436	...	486,440	102,133	132,682	
12	501,966	...	501,959	101,906	140,704	

回収黒液		Black liquor				
平成 29 年	12,228,799	...	12,230,254	12,230,254	-	
30	12,350,054	...	12,349,556	12,349,556	-	
令和 1 年	12,022,719	...	12,023,263	11,989,828	33,435	
2	10,448,454	...	10,723,045	10,723,045	-	
3	11,187,608	...	11,187,712	11,187,712	-	
令和 1 年度	11,898,412	...	12,173,561	12,140,126	33,435	
2	10,169,647	...	10,170,708	10,170,708	-	
3 年 1~3月	2,777,637	...	2,778,507	2,778,507	-	
4~6	2,662,688	...	2,662,042	2,662,042	-	
7~9	2,882,242	...	2,882,299	2,882,299	-	
10~12	2,865,041	...	2,864,864	2,864,864	-	
3 年 1月	957,062	...	957,475	957,475	-	
2	847,070	...	846,607	846,607	-	
3	973,505	...	974,425	974,425	-	
4	926,394	...	925,769	925,769	-	
5	914,890	...	914,922	914,922	-	
6	821,404	...	821,351	821,351	-	
7	925,853	...	925,708	925,708	-	
8	985,878	...	986,292	986,292	-	
9	970,511	...	970,299	970,299	-	
10	1,012,928	...	1,013,090	1,013,090	-	
11	887,741	...	887,414	887,414	-	
12	964,372	...	964,360	964,360	-	

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
2,765,007	...	2,414,152	350,855	...	...	C.Y. 2017
2,893,223	...	2,532,176	361,047	...	...	C.Y. 2018
2,817,610	...	2,417,573	400,037	...	...	C.Y. 2019
2,382,049	...	2,018,093	363,956	...	...	C.Y. 2020
2,690,463	...	2,317,212	373,251	...	...	C.Y. 2021
2,743,998	...	2,338,604	405,394	...	...	F.Y. 2019
2,395,410	...	2,037,033	358,377	...	...	F.Y. 2020
699,238	...	589,424	109,814	...	...	Q1 2021
646,997	...	566,173	80,824	...	...	Q2
656,891	...	564,840	92,051	...	...	Q3
687,337	...	596,775	90,562	...	...	Q4
231,202	...	190,740	40,462	...	...	Jan. 2021
227,088	...	191,665	35,423	...	...	Feb.
240,948	...	207,019	33,929	...	...	Mar.
221,374	...	193,921	27,453	...	...	Apr.
210,607	...	185,146	25,461	...	...	May
215,016	...	187,106	27,910	...	...	Jun.
221,458	...	190,387	31,071	...	...	Jul.
215,856	...	184,339	31,517	...	...	Aug.
219,577	...	190,114	29,463	...	...	Sep.
218,055	...	190,793	27,262	...	...	Oct.
231,087	...	202,250	28,837	...	...	Nov.
238,195	...	203,732	34,463	...	...	Dec.

単位 Unit : 1000m ³				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
3,011,958	...	2,629,013	382,945	...	...	C.Y. 2017
3,149,493	...	2,755,712	393,781	...	...	C.Y. 2018
3,068,038	...	2,630,819	437,219	...	...	C.Y. 2019
2,592,538	...	2,195,395	397,143	...	...	C.Y. 2020
2,929,599	...	2,522,317	407,282	...	...	C.Y. 2021
2,987,872	...	2,544,560	443,313	...	...	F.Y. 2019
2,607,581	...	2,216,727	390,854	...	...	F.Y. 2020
761,467	...	641,753	119,714	...	...	Q1 2021
704,552	...	616,345	88,207	...	...	Q2
715,136	...	614,679	100,457	...	...	Q3
748,444	...	649,540	98,904	...	...	Q4
251,489	...	207,475	44,015	...	...	Jan. 2021
247,479	...	208,852	38,626	...	...	Feb.
262,499	...	225,426	37,073	...	...	Mar.
241,068	...	211,073	29,995	...	...	Apr.
229,435	...	201,665	27,770	...	...	May
234,049	...	203,607	30,442	...	...	Jun.
241,189	...	207,282	33,907	...	...	Jul.
234,973	...	200,569	34,404	...	...	Aug.
238,974	...	206,828	32,146	...	...	Sep.
237,469	...	207,672	29,797	...	...	Oct.
251,625	...	220,161	31,464	...	...	Nov.
259,350	...	221,707	37,643	...	...	Dec.

単位 Unit : 絶乾(Dry) t				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
-	...	-	-	-	3,426	C.Y. 2017
-	...	-	-	-	3,762	C.Y. 2018
-	...	-	-	-	3,218	C.Y. 2019
-	...	-	-	-	3,296	C.Y. 2020
-	...	-	-	-	3,296	C.Y. 2021
-	...	-	-	-	3,171	F.Y. 2019
-	...	-	-	-	2,500	F.Y. 2020
-	...	-	-	-	2,500	Q1 2021
-	...	-	-	-	3,146	Q2
-	...	-	-	-	3,089	Q3
-	...	-	-	-	3,296	Q4
-	...	-	-	-	2,994	Jan. 2021
-	...	-	-	-	3,545	Feb.
-	...	-	-	-	2,500	Mar.
-	...	-	-	-	3,125	Apr.
-	...	-	-	-	3,093	May
-	...	-	-	-	3,146	Jun.
-	...	-	-	-	3,291	Jul.
-	...	-	-	-	2,877	Aug.
-	...	-	-	-	3,089	Sep.
-	...	-	-	-	2,927	Oct.
-	...	-	-	-	3,284	Nov.
-	...	-	-	-	3,296	Dec.

酸素			Oxygen				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	8,020,388	3,527,114	10,889,674	...	-		
30	9,228,975	2,428,416	11,042,190	...	-		
令和 1 年	8,769,919	2,256,041	10,428,373	...	-		
2	6,929,847	1,917,354	8,369,666	...	-		
3	8,359,641	2,424,339	10,201,670	...	-		
令和 1 年度	8,692,350	2,272,825	10,408,020	...	-		
2	6,924,233	1,906,345	8,344,506	...	-		
3 年 1~3月	2,077,215	596,984	2,528,998	...	-		
4~6	2,094,587	595,067	2,537,565	...	-		
7~9	2,106,220	618,444	2,567,149	...	-		
10~12	2,081,619	613,844	2,567,958	...	-		
3 年 1月	703,158	200,989	863,224	...	-		
2	647,430	185,029	781,051	...	-		
3	726,627	210,966	884,723	...	-		
4	668,069	190,647	805,862	...	-		
5	729,301	205,847	884,399	...	-		
6	697,217	198,573	847,304	...	-		
7	701,062	199,142	844,562	...	-		
8	701,219	208,014	858,064	...	-		
9	703,939	211,288	864,523	...	-		
10	708,090	204,574	863,057	...	-		
11	686,608	202,748	861,864	...	-		
12	686,921	206,522	843,037	...	-		
廃材			Waste material				
平成 29 年	2,451,026	-	2,457,720	2,441,274	-		
30	2,628,447	-	2,622,203	2,606,786	-		
令和 1 年	2,441,977	-	2,445,432	2,433,082	-		
2	2,386,711	-	2,387,783	2,378,403	-		
3	2,319,363	-	2,320,870	2,313,753	-		
令和 1 年度	2,433,920	-	2,431,349	2,420,202	-		
2	2,334,195	-	2,322,591	2,314,049	-		
3 年 1~3月	580,915	-	584,570	582,593	-		
4~6	545,298	-	541,794	540,252	-		
7~9	591,491	-	594,867	593,087	-		
10~12	601,659	-	599,639	597,821	-		
3 年 1月	185,124	-	184,362	183,776	-		
2	178,535	-	182,598	181,846	-		
3	217,256	-	217,610	216,971	-		
4	193,451	-	192,051	191,602	-		
5	165,164	-	164,270	163,734	-		
6	186,683	-	185,473	184,916	-		
7	193,286	-	196,482	195,901	-		
8	196,861	-	189,940	189,354	-		
9	201,344	-	208,445	207,832	-		
10	195,438	-	193,838	193,448	-		
11	209,267	-	210,552	209,864	-		
12	196,954	-	195,249	194,509	-		
廃タイヤ			Used tires				
平成 29 年	478,918	-	481,309	404,300	-		
30	475,233	-	476,387	404,621	-		
令和 1 年	476,297	-	476,059	399,096	-		
2	481,497	-	479,120	404,450	-		
3	500,926	-	503,011	430,710	-		
令和 1 年度	474,390	-	472,663	395,123	-		
2	483,508	-	483,285	408,949	-		
3 年 1~3月	127,869	-	134,723	115,957	-		
4~6	119,347	-	112,543	96,650	-		
7~9	133,337	-	137,235	120,194	-		
10~12	120,373	-	118,510	97,909	-		
3 年 1月	42,029	-	45,130	39,021	-		
2	39,392	-	42,412	35,754	-		
3	46,448	-	47,181	41,182	-		
4	40,844	-	35,886	30,162	-		
5	36,782	-	37,558	32,610	-		
6	41,721	-	39,099	33,878	-		
7	45,466	-	47,230	41,801	-		
8	43,967	-	45,420	39,340	-		
9	43,904	-	44,585	39,053	-		
10	26,339	-	28,648	21,642	-		
11	41,400	-	36,892	30,773	-		
12	52,634	-	52,970	45,494	-		

単位 Unit : 1000Nm³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
10,889,674	-	9,805,412	1,084,262	419,986	1,374	C.Y.	2017
11,042,190	-	9,996,884	1,045,306	399,075	1,442	C.Y.	2018
10,428,373	84	9,453,745	974,544	374,504	1,389	C.Y.	2019
8,369,666	31	7,468,640	900,995	267,825	1,363	C.Y.	2020
10,201,670	-	9,223,770	977,900	380,920	1,360	C.Y.	2021
10,408,020	89	9,437,823	970,108	372,227	1,383	F.Y.	2019
8,344,506	7	7,464,269	880,230	264,625	1,313	F.Y.	2020
2,528,998	-	2,296,468	232,530	85,851	1,313	Q1	2021
2,537,565	-	2,306,362	231,203	96,804	1,331	Q2	
2,567,149	-	2,319,498	247,651	98,753	1,372	Q3	
2,567,958	-	2,301,442	266,516	99,512	1,360	Q4	
863,224	-	780,037	83,187	26,559	1,331	Jan.	2021
781,051	-	712,578	68,473	27,121	1,327	Feb.	
884,723	-	803,853	80,870	32,171	1,313	Mar.	
805,862	-	732,428	73,434	31,370	1,325	Apr.	
884,399	-	802,000	82,399	34,810	1,324	May	
847,304	-	771,934	75,370	30,624	1,331	Jun.	
844,562	-	767,894	76,668	34,293	1,282	Jul.	
858,064	-	772,605	85,459	31,484	1,080	Aug.	
864,523	-	778,999	85,524	32,976	1,372	Sep.	
863,057	-	783,494	79,563	33,527	1,364	Oct.	
861,864	-	756,332	105,532	32,755	1,348	Nov.	
843,037	-	761,616	81,421	33,230	1,360	Dec.	

単位 Unit : 絶乾(Dry) t

16,446	-	15,947	499	-	55,552	C.Y.	2017
15,417	-	14,990	427	-	62,623	C.Y.	2018
12,350	-	12,061	289	1,535	52,541	C.Y.	2019
9,380	-	8,967	413	2,507	49,291	C.Y.	2020
7,117	-	6,701	416	3,812	43,200	C.Y.	2021
11,147	-	10,820	327	1,535	36,330	F.Y.	2019
8,542	-	8,131	411	3,526	43,673	F.Y.	2020
1,977	-	1,863	114	1,019	43,673	Q1	2021
1,542	-	1,483	59	1,818	45,366	Q2	
1,780	-	1,661	119	106	41,948	Q3	
1,818	-	1,694	124	869	43,200	Q4	
586	-	543	43	231	48,374	Jan.	2021
752	-	729	23	376	44,332	Feb.	
639	-	591	48	412	43,673	Mar.	
449	-	414	35	563	44,269	Apr.	
536	-	536	-	796	44,446	May	
557	-	533	24	459	45,366	Jun.	
581	-	559	22	-	42,223	Jul.	
586	-	535	51	106	49,047	Aug.	
613	-	567	46	-	41,948	Sep.	
390	-	357	33	-	43,534	Oct.	
688	-	643	45	-	42,301	Nov.	
740	-	694	46	869	43,200	Dec.	

単位 Unit : t

77,009	10,811	65,953	245	-	25,511	C.Y.	2017
71,766	8,409	62,893	464	80	22,037	C.Y.	2018
76,963	11,814	64,800	349	-	22,012	C.Y.	2019
74,670	8,598	66,072	-	-	28,721	C.Y.	2020
72,301	5,736	66,565	-	-	26,630	C.Y.	2021
77,540	12,047	65,178	315	-	17,312	F.Y.	2019
74,336	8,471	65,865	-	-	21,759	F.Y.	2020
18,766	2,450	16,316	-	-	21,759	Q1	2021
15,893	2,330	13,563	-	-	28,533	Q2	
17,041	79	16,962	-	-	24,800	Q3	
20,601	877	19,724	-	-	26,630	Q4	
6,109	541	5,568	-	-	25,561	Jan.	2021
6,658	851	5,807	-	-	22,672	Feb.	
5,999	1,058	4,941	-	-	21,759	Mar.	
5,724	837	4,887	-	-	26,731	Apr.	
4,948	636	4,312	-	-	25,910	May	
5,221	857	4,364	-	-	28,533	Jun.	
5,429	32	5,397	-	-	26,890	Jul.	
6,080	20	6,060	-	-	25,437	Aug.	
5,532	27	5,505	-	-	24,800	Sep.	
7,006	597	6,409	-	-	22,489	Oct.	
6,119	244	5,875	-	-	26,968	Nov.	
7,476	36	7,440	-	-	26,630	Dec.	

廃プラスチック			Waste plastic			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	632,130	72,084	632,647	46,750	-	
30	676,784	73,403	680,187	48,270	-	
令和 1 年	682,817	81,741	696,653	43,864	-	
2	693,387	71,735	696,552	46,263	-	
3	731,476	72,752	728,206	48,384	87	
令和 1 年度	696,493	80,769	716,091	46,072	-	
2	686,858	71,518	685,075	46,264	-	
3 年 1~3月	173,192	13,798	169,651	13,197	-	
4~6	176,792	19,807	177,457	13,489	-	
7~9	188,153	19,779	186,694	10,166	87	
10~12	193,339	19,368	194,404	11,532	-	
3 年 1月	55,741	7,075	57,233	4,306	-	
2	54,560	2,189	53,192	4,194	-	
3	62,891	4,534	59,226	4,697	-	
4	58,706	6,891	58,310	4,057	-	
5	59,919	6,194	62,035	4,268	-	
6	58,167	6,722	57,112	5,164	-	
7	59,356	7,113	60,404	2,068	-	
8	64,725	7,218	63,804	3,811	-	
9	64,072	5,448	62,486	4,287	87	
10	64,051	6,596	64,750	4,772	-	
11	65,328	5,729	65,026	4,616	-	
12	63,960	7,043	64,628	2,144	-	
RPF			Refuse Paper&Plastic Fuel			
平成 29 年	608,445	-	606,055	575,883	-	
30	630,475	-	628,867	594,059	-	
令和 1 年	603,743	-	606,988	576,885	-	
2	634,475	-	634,093	616,784	61	
3	703,134	-	708,180	678,329	145	
令和 1 年度	598,713	-	600,302	572,183	36	
2	653,814	-	656,729	639,525	48	
3 年 1~3月	170,281	-	178,467	172,175	23	
4~6	174,325	-	168,938	160,899	68	
7~9	180,063	-	185,011	176,867	5	
10~12	178,465	-	175,764	168,388	49	
3 年 1月	49,233	-	54,846	53,217	7	
2	54,659	-	55,287	52,916	6	
3	66,389	-	68,334	66,042	10	
4	62,345	-	55,432	52,951	23	
5	56,366	-	58,805	55,793	39	
6	55,614	-	54,701	52,155	6	
7	59,965	-	57,985	55,176	-	
8	59,643	-	63,979	61,365	2	
9	60,455	-	63,047	60,326	3	
10	55,601	-	51,386	48,772	10	
11	61,120	-	62,366	59,813	33	
12	61,744	-	62,012	59,803	6	

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
585,897	199,919	353,322	32,656	36,144	27,673	C.Y.	2017
631,917	198,532	406,518	26,867	35,594	24,949	C.Y.	2018
652,789	214,257	410,636	27,896	36,382	30,299	C.Y.	2019
650,289	214,100	411,793	24,396	39,770	33,507	C.Y.	2020
679,735	226,617	428,826	24,292	48,415	30,185	C.Y.	2021
670,019	222,148	420,832	27,039	36,166	26,633	F.Y.	2019
638,811	211,344	403,103	24,364	41,033	34,302	F.Y.	2020
156,454	50,092	100,632	5,730	10,299	34,302	Q1	2021
163,968	58,268	99,431	6,269	12,288	32,673	Q2	
176,441	57,585	112,551	6,305	12,789	31,905	Q3	
182,872	60,672	116,212	5,988	13,039	30,185	Q4	
52,927	19,277	31,439	2,211	3,698	33,949	Jan.	2021
48,998	12,568	34,495	1,935	2,655	32,661	Feb.	
54,529	18,247	34,698	1,584	3,946	34,302	Mar.	
54,253	19,798	32,317	2,138	4,153	34,534	Apr.	
57,767	19,660	36,035	2,072	3,980	31,936	May	
51,948	18,810	31,079	2,059	4,155	32,673	Jun.	
58,336	20,444	35,757	2,135	4,175	31,719	Jul.	
59,993	19,497	38,419	2,077	4,461	32,094	Aug.	
58,112	17,644	38,375	2,093	4,153	31,905	Sep.	
59,978	19,525	38,447	2,006	4,063	30,987	Oct.	
60,410	20,292	38,183	1,935	4,566	30,778	Nov.	
62,484	20,855	39,582	2,047	4,410	30,185	Dec.	

単位 Unit : t

30,172	-	29,315	857	-	16,661	C.Y.	2017
34,808	-	34,559	249	-	18,269	C.Y.	2018
30,103	-	30,103	-	-	14,800	C.Y.	2019
17,248	-	17,248	-	-	20,573	C.Y.	2020
29,706	-	29,706	-	-	16,400	C.Y.	2021
28,083	-	28,083	-	-	9,954	F.Y.	2019
17,156	-	17,156	-	-	13,101	F.Y.	2020
6,269	-	6,269	-	-	13,101	Q1	2021
7,971	-	7,971	-	-	18,365	Q2	
8,139	-	8,139	-	-	13,454	Q3	
7,327	-	7,327	-	-	16,400	Q4	
1,622	-	1,622	-	-	14,628	Jan.	2021
2,365	-	2,365	-	-	15,293	Feb.	
2,282	-	2,282	-	-	13,101	Mar.	
2,458	-	2,458	-	-	19,959	Apr.	
2,973	-	2,973	-	-	17,468	May	
2,540	-	2,540	-	-	18,365	Jun.	
2,809	-	2,809	-	-	20,365	Jul.	
2,612	-	2,612	-	-	16,046	Aug.	
2,718	-	2,718	-	-	13,454	Sep.	
2,604	-	2,604	-	-	17,484	Oct.	
2,520	-	2,520	-	-	16,666	Nov.	
2,203	-	2,203	-	-	16,400	Dec.	

② パルプ・紙・板紙工業

Pulp, paper, paperboard industry

合計(原油換算)

Total(Crude petroleum equivalent)

単位 Unit : kl

年 月	受入 Receipts	消 費 Consumption						払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	12,110,590	11,943,265	10,982,661	540,740	419,864	364,988	54,877	144,118	519,636
30	12,239,123	12,080,503	11,124,431	529,547	426,525	370,762	55,763	185,571	518,698
令和 1 年	11,755,474	11,636,601	10,663,637	555,515	417,449	363,330	54,120	207,614	470,625
2	10,852,994	10,815,190	9,903,097	532,013	380,079	329,316	50,763	186,220	515,181
3	11,298,260	11,195,104	10,221,239	556,451	417,414	367,109	50,305	152,068	424,109
令和 1 年度	11,666,158	11,575,715	10,607,966	554,128	413,622	359,166	54,456	221,671	475,178
2	10,797,587	10,670,669	9,751,979	537,829	380,861	330,267	50,593	165,266	484,974
3 年 1~3月	2,948,259	2,912,507	2,662,230	143,000	107,276	93,663	13,613	44,806	484,974
4~6	2,728,417	2,672,749	2,440,466	132,113	100,171	87,697	12,473	39,830	508,752
7~9	2,828,191	2,835,721	2,597,470	133,510	104,741	92,815	11,927	31,105	430,839
10~12	2,793,393	2,774,127	2,521,073	147,827	105,226	92,934	12,292	36,327	424,109
3 年 1月	975,860	993,302	910,123	46,807	36,372	31,898	4,474	16,072	469,948
2	954,161	901,021	822,168	45,312	33,541	29,053	4,488	11,188	495,208
3	1,018,238	1,018,183	929,940	50,881	37,363	32,712	4,652	17,546	484,974
4	887,673	917,498	836,190	46,374	34,935	30,524	4,411	11,328	445,282
5	912,374	898,029	823,996	40,624	33,409	29,321	4,088	11,610	449,832
6	928,370	857,222	780,280	45,116	31,827	27,852	3,974	16,891	508,752
7	958,389	951,496	871,734	45,653	34,110	29,929	4,180	12,062	506,536
8	905,315	952,961	876,259	41,304	35,398	31,222	4,177	8,488	451,385
9	964,486	931,264	849,477	46,554	35,233	31,664	3,570	10,555	430,839
10	934,720	934,968	850,181	49,444	35,344	31,681	3,663	9,767	421,644
11	872,911	898,234	814,957	49,397	33,881	29,372	4,509	11,898	388,719
12	985,762	940,924	855,936	48,986	36,001	31,881	4,120	14,662	424,109

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

単位 Unit : kl

平成 29 年	1,034,108	1,040,767	700,169	1,809	338,789	297,154	41,635	6,204	81,030
30	1,042,046	1,026,554	679,923	1,297	345,335	304,101	41,234	36,036	86,675
令和 1 年	963,517	965,847	627,466	713	337,668	297,294	40,373	46,510	80,009
2	920,364	918,506	616,558	1,048	300,900	263,499	37,401	42,473	80,644
3	929,813	929,290	604,188	821	324,282	287,051	37,230	38,807	79,563
令和 1 年度	954,943	955,352	620,642	773	333,936	293,536	40,400	48,047	76,738
2	951,268	946,419	643,975	1,135	301,309	263,483	37,826	43,053	81,793
3 年 1~3月	262,174	260,516	174,447	274	85,796	75,516	10,280	14,369	81,793
4~6	234,118	236,365	157,073	243	79,049	69,596	9,453	8,870	79,146
7~9	210,509	211,966	130,628	202	81,136	72,440	8,696	5,270	77,597
10~12	223,012	220,443	142,040	102	78,301	69,500	8,801	10,298	79,563
3 年 1月	80,810	93,677	64,243	193	29,242	25,838	3,404	6,354	66,662
2	89,870	85,065	58,381	62	26,622	23,233	3,388	1,504	72,075
3	91,494	81,774	51,823	19	29,933	26,445	3,488	6,511	81,793
4	69,199	72,421	44,322	19	28,081	24,769	3,312	1,213	78,520
5	77,871	76,093	49,990	26	26,078	22,780	3,298	1,121	80,149
6	87,048	87,851	62,762	198	24,891	22,047	2,843	6,536	79,146
7	76,671	73,140	46,363	106	26,670	23,627	3,043	2,112	82,773
8	66,653	72,195	44,714	51	27,431	24,290	3,141	1,281	77,199
9	67,185	66,630	39,551	45	27,035	24,523	2,512	1,877	77,597
10	77,211	72,886	46,019	33	26,834	24,298	2,536	1,488	81,163
11	75,175	75,293	50,522	37	24,734	21,399	3,335	3,077	81,745
12	70,625	72,264	45,499	33	26,732	23,802	2,930	5,733	79,563

ガソリン

Gasoline

単位 Unit : kl

平成 29 年	105	104	...	...	104	...	104	-	3
30	75	76	...	...	76	...	76	4	2
令和 1 年	65	68	...	...	68	...	68	5	1
2	66	65	...	...	65	...	65	-	2
3	79	80	...	...	80	...	80	-	1
令和 1 年度	65	65	...	...	65	...	65	3	2
2	70	70	...	...	70	...	70	-	2
3 年 1~3月	19	19	...	...	19	...	19	-	2
4~6	20	20	...	...	20	...	20	-	2
7~9	22	20	...	...	20	...	20	-	4
10~12	18	21	...	...	21	...	21	-	1
3 年 1月	6	7	...	...	7	...	7	-	1
2	7	6	...	...	6	...	6	-	2
3	6	6	...	...	6	...	6	-	2
4	6	7	...	...	7	...	7	-	1
5	8	7	...	...	7	...	7	-	2
6	6	6	...	...	6	...	6	-	2
7	6	7	...	...	7	...	7	-	1
8	6	6	...	...	6	...	6	-	1
9	10	7	...	...	7	...	7	-	4
10	6	7	...	...	7	...	7	-	3
11	6	7	...	...	7	...	7	-	2
12	6	7	...	...	7	...	7	-	1

受入 Receipts	Kerosene 消費 Consumption						払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total	直接加熱用 for Direct heating	その他用 for Others			
9,019	8,971	1,989	-	6,982	5,795	1,187	261	1,121	C.Y. 2017
9,026	9,059	2,188	-	6,871	5,801	1,070	270	1,052	C.Y. 2018
7,585	7,752	2,570	-	5,182	4,332	850	332	873	C.Y. 2019
6,381	6,274	1,849	-	4,425	3,682	743	171	967	C.Y. 2020
6,363	6,430	2,140	-	4,290	3,639	651	132	901	C.Y. 2021
7,455	7,507	2,356	-	5,151	4,299	852	274	921	F.Y. 2019
6,407	6,358	2,020	-	4,338	3,624	714	183	950	F.Y. 2020
1,680	1,700	552	-	1,148	967	181	63	950	Q1 2021
1,611	1,631	568	-	1,063	936	127	10	923	Q2
1,430	1,522	603	-	919	739	180	34	840	Q3
1,642	1,577	417	-	1,160	997	163	25	901	Q4
599	620	276	-	344	278	66	21	958	Jan. 2021
542	551	158	-	393	324	69	28	942	Feb.
539	529	118	-	411	365	46	14	950	Mar.
454	455	104	-	351	305	46	-	691	Apr.
564	674	299	-	375	335	40	1	835	May
593	502	165	-	337	296	41	9	923	Jun.
464	465	157	-	308	256	52	26	924	Jul.
510	602	281	-	321	252	69	8	837	Aug.
456	455	165	-	290	231	59	-	840	Sep.
494	481	81	-	400	342	58	3	851	Oct.
661	639	242	-	397	344	53	22	868	Nov.
487	457	94	-	363	311	52	-	901	Dec.

受入 Receipts	Gas oil 消費 Consumption						払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total	直接加熱用 for Direct heating	その他用 for Others			
3,759	3,605	-	129	3,476	37	3,439	158	21	C.Y. 2017
3,840	3,685	19	145	3,521	32	3,489	178	17	C.Y. 2018
3,832	3,654	106	114	3,434	29	3,405	183	17	C.Y. 2019
3,628	3,467	45	99	3,323	20	3,303	149	28	C.Y. 2020
3,886	3,755	41	134	3,580	26	3,554	142	17	C.Y. 2021
3,796	3,623	106	127	3,390	29	3,361	174	19	F.Y. 2019
3,752	3,602	44	103	3,455	19	3,436	145	23	F.Y. 2020
993	961	10	34	917	5	912	37	23	Q1 2021
950	913	11	19	883	7	876	33	27	Q2
939	910	10	32	868	6	862	34	22	Q3
1,004	971	10	49	912	8	904	38	17	Q4
328	326	3	17	306	1	305	13	17	Jan. 2021
314	300	3	13	284	2	282	13	18	Feb.
351	335	4	4	327	2	325	11	23	Mar.
326	311	4	5	302	3	299	12	230	Apr.
317	309	3	7	299	2	297	11	23	May
307	293	4	7	282	2	280	10	27	Jun.
316	306	4	10	292	2	290	12	25	Jul.
316	305	3	11	291	2	289	11	25	Aug.
307	299	3	11	285	2	283	11	22	Sep.
331	319	3	12	304	3	301	12	22	Oct.
328	315	4	18	293	3	290	13	22	Nov.
345	337	3	19	315	2	313	13	17	Dec.

受入 Receipts	Heavy fuel oil total 消費 Consumption						払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total	直接加熱用 for Direct heating	その他用 for Others			
791,413	797,989	554,940	1,666	241,383	225,264	16,119	5,407	67,631	C.Y. 2017
802,556	790,003	538,139	1,144	250,720	234,549	16,171	32,938	71,229	C.Y. 2018
717,485	719,627	481,298	596	237,733	222,379	15,354	42,545	65,839	C.Y. 2019
672,797	670,167	459,687	942	209,538	195,721	13,817	39,021	66,819	C.Y. 2020
665,624	667,731	446,852	686	220,193	206,747	13,446	35,762	63,820	C.Y. 2021
708,165	709,102	473,755	643	234,704	219,757	14,947	44,043	63,444	F.Y. 2019
693,435	689,710	481,495	1,025	207,190	193,279	13,911	39,578	67,380	F.Y. 2020
190,605	190,133	131,459	239	58,435	54,721	3,714	13,229	67,380	Q1 2021
171,818	174,910	119,956	223	54,731	51,163	3,568	8,193	63,946	Q2
142,371	145,726	91,377	170	54,179	51,067	3,112	4,839	60,517	Q3
160,830	156,962	104,060	54	52,848	49,796	3,052	9,501	63,820	Q4
58,016	69,012	48,653	175	20,184	19,012	1,172	5,857	55,041	Jan. 2021
66,000	62,188	44,087	49	18,052	16,801	1,251	1,358	59,739	Feb.
66,589	58,933	38,719	15	20,199	18,908	1,291	6,014	67,380	Mar.
46,496	49,884	30,838	14	19,032	17,874	1,158	1,119	63,935	Apr.
59,222	58,019	39,628	19	18,372	17,093	1,279	1,033	65,015	May
66,100	67,007	49,490	190	17,327	16,196	1,131	6,041	63,946	Jun.
52,464	50,432	32,422	96	17,914	16,702	1,212	1,931	66,072	Jul.
45,115	50,350	31,695	40	18,615	17,389	1,226	1,175	60,811	Aug.
44,792	44,944	27,260	34	17,650	16,976	674	1,733	60,517	Sep.
55,997	51,943	33,873	21	18,049	17,383	666	1,371	63,851	Oct.
53,897	53,563	36,949	19	16,595	15,181	1,414	2,826	64,799	Nov.
50,936	51,456	33,238	14	18,204	17,232	972	5,304	63,820	Dec.

A重油		Heavy fuel oil A							単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						払出 Shipments	月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	77,477	77,381	68,801	1,666	6,914	5,611	1,303	708	6,268	
30	78,107	77,473	69,258	1,144	7,071	5,669	1,402	1,411	6,388	
令和 1 年	77,484	76,301	68,512	596	7,193	5,948	1,245	1,038	6,875	
2	69,416	69,215	61,948	942	6,325	5,155	1,170	1,135	6,866	
3	67,052	66,403	59,188	686	6,549	5,858	691	1,111	6,723	
令和 1 年度	72,177	71,614	63,625	643	7,346	6,036	1,310	1,049	6,192	
2	69,811	69,426	62,212	1,025	6,189	5,123	1,066	1,071	6,604	
3 年 1~3月	16,626	16,796	15,079	239	1,478	1,317	161	205	6,604	
4~6	20,236	20,340	18,094	223	2,023	1,810	213	282	6,409	
7~9	13,269	13,368	11,902	170	1,296	1,157	139	290	6,204	
10~12	16,921	15,899	14,093	54	1,752	1,574	178	334	6,723	
3 年 1月	5,279	5,490	4,868	175	447	410	37	58	6,475	
2	5,245	5,149	4,639	49	461	403	58	26	6,693	
3	6,102	6,157	5,572	15	570	504	66	121	6,604	
4	5,008	4,858	4,177	14	667	606	61	103	6,709	
5	5,663	6,145	5,423	19	703	628	75	88	6,212	
6	9,565	9,337	8,494	190	653	576	77	91	6,409	
7	4,546	4,410	3,895	96	419	366	53	134	6,461	
8	4,352	4,358	3,961	40	357	327	30	85	6,455	
9	4,371	4,600	4,046	34	520	464	56	71	6,204	
10	6,332	6,243	5,658	21	564	505	59	96	5,881	
11	5,393	5,241	4,544	19	678	607	71	119	6,223	
12	5,196	4,415	3,891	14	510	462	48	119	6,723	

B・C重油		Heavy fuel oil B・C							単位 Unit : kl	
平成 29 年	713,936	720,608	486,139	-	234,469	219,653	14,816	4,699	61,363	
30	724,449	712,530	468,881	-	243,649	228,880	14,769	31,527	64,841	
令和 1 年	640,001	643,326	412,786	-	230,540	216,431	14,109	41,507	58,964	
2	603,381	600,952	397,739	-	203,213	190,566	12,647	37,886	59,953	
3	598,572	601,328	387,684	-	213,644	200,889	12,755	34,651	57,097	
令和 1 年度	635,988	637,488	410,130	-	227,358	213,721	13,637	42,994	57,252	
2	623,624	620,284	419,283	-	201,001	188,156	12,845	38,507	60,776	
3 年 1~3月	173,979	173,337	116,380	-	56,957	53,404	3,553	13,024	60,776	
4~6	151,582	154,570	101,862	-	52,708	49,353	3,355	7,911	57,537	
7~9	129,102	132,358	79,475	-	52,883	49,910	2,973	4,549	54,313	
10~12	143,909	141,063	89,967	-	51,096	48,222	2,874	9,167	57,097	
3 年 1月	52,737	63,522	43,785	-	19,737	18,602	1,135	5,799	48,566	
2	60,755	57,039	39,448	-	17,591	16,398	1,193	1,332	53,046	
3	60,487	52,776	33,147	-	19,629	18,404	1,225	5,893	60,776	
4	41,488	45,026	26,661	-	18,365	17,268	1,097	1,016	57,226	
5	53,559	51,874	34,205	-	17,669	16,465	1,204	945	58,803	
6	56,535	57,670	40,996	-	16,674	15,620	1,054	5,950	57,537	
7	47,918	46,022	28,527	-	17,495	16,336	1,159	1,797	59,611	
8	40,763	45,992	27,734	-	18,258	17,062	1,196	1,090	54,356	
9	40,421	40,344	23,214	-	17,130	16,512	618	1,662	54,313	
10	49,665	45,700	28,215	-	17,485	16,878	607	1,275	57,970	
11	48,504	48,322	32,405	-	15,917	14,574	1,343	2,707	58,576	
12	45,740	47,041	29,347	-	17,694	16,770	924	5,185	57,097	

炭化水素油		Hydrocarbon oil							単位 Unit : kl	
平成 29 年	26,349	25,317	15,756	-	9,561	9,561	-	-	3,376	
30	25,961	24,047	14,353	-	9,694	9,694	-	-	5,285	
令和 1 年	30,804	32,065	19,470	-	12,595	12,555	40	-	4,020	
2	40,430	41,306	30,990	-	10,316	10,157	159	-	2,640	
3	48,691	45,392	31,747	-	13,645	13,308	337	-	5,681	
令和 1 年度	32,974	33,604	20,978	-	12,626	12,547	79	-	3,358	
2	42,538	42,451	32,547	-	9,904	9,752	152	-	2,681	
3 年 1~3月	9,778	9,477	6,851	-	2,626	2,594	32	-	2,681	
4~6	12,360	9,897	6,759	-	3,138	3,001	137	-	5,145	
7~9	14,170	13,407	9,417	-	3,990	3,888	102	-	5,909	
10~12	12,383	12,611	8,720	-	3,891	3,825	66	-	5,681	
3 年 1月	3,423	3,790	2,790	-	1,000	985	15	-	2,127	
2	2,988	3,537	2,720	-	817	809	8	-	1,464	
3	3,367	2,150	1,341	-	809	800	9	-	2,681	
4	4,236	3,113	1,724	-	1,389	1,302	87	-	3,804	
5	3,988	3,577	2,718	-	859	827	32	-	4,215	
6	4,136	3,207	2,317	-	890	872	18	-	5,145	
7	4,998	5,007	3,828	-	1,179	1,173	6	-	5,136	
8	4,910	4,516	3,325	-	1,191	1,164	27	-	5,531	
9	4,262	3,884	2,264	-	1,620	1,551	69	-	5,909	
10	4,696	4,365	3,036	-	1,329	1,290	39	-	6,239	
11	4,385	4,908	3,430	-	1,478	1,470	8	-	5,716	
12	3,302	3,338	2,254	-	1,084	1,065	19	-	5,681	

液化石油ガス Liquefied petroleum gas				Consumption			単位 Unit : t		Year, Quarter &Month
受入 Receipts	消費			ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	払出 Shipments	月末在庫 Inventory	
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation							計 Total	直接加熱用 for Direct heating	その他用 for Others
30,152	30,143	16,380	-	13,763	6,111	7,652	-	289	C.Y. 2017
26,383	26,428	11,904	-	14,524	6,898	7,626	33	249	C.Y. 2018
25,400	24,775	8,074	-	16,701	9,141	7,560	19	354	C.Y. 2019
23,119	23,177	7,930	-	15,247	8,540	6,707	-	283	C.Y. 2020
22,999	22,938	6,481	-	16,457	9,285	7,172	-	322	C.Y. 2021
25,201	24,600	8,021	-	16,579	9,115	7,464	5	276	F.Y. 2019
23,016	22,962	7,539	-	15,423	8,777	6,646	-	293	F.Y. 2020
6,057	6,014	1,704	-	4,310	2,500	1,810	-	293	Q1 2021
5,652	5,475	1,674	-	3,801	2,073	1,728	-	471	Q2
5,649	5,785	1,510	-	4,275	2,431	1,844	-	337	Q3
5,641	5,664	1,593	-	4,071	2,281	1,790	-	322	Q4
2,102	2,047	543	-	1,504	859	645	-	304	Jan. 2021
1,870	1,891	572	-	1,319	771	548	-	266	Feb.
2,085	2,076	589	-	1,487	870	617	-	293	Mar.
2,279	2,195	691	-	1,504	852	652	-	377	Apr.
1,625	1,719	470	-	1,249	654	595	-	283	May
1,748	1,561	513	-	1,048	567	481	-	471	Jun.
1,907	2,060	499	-	1,561	915	646	-	316	Jul.
1,817	1,841	477	-	1,364	741	623	-	293	Aug.
1,925	1,884	534	-	1,350	775	575	-	337	Sep.
1,770	1,789	522	-	1,267	721	546	-	320	Oct.
1,828	1,862	506	-	1,356	743	613	-	290	Nov.
2,043	2,013	565	-	1,448	817	631	-	322	Dec.
オイルコークス Petroleum coke				Consumption			単位 Unit : t		Year, Quarter &Month
受入 Receipts	消費			ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	払出 Shipments	月末在庫 Inventory	
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation							計 Total	直接加熱用 for Direct heating	その他用 for Others
108,274	109,305	79,217	-	30,088	22,968	7,120	-	3,057	C.Y. 2017
114,623	114,735	85,886	-	28,849	21,848	7,001	-	2,944	C.Y. 2018
128,535	127,705	96,673	-	31,032	24,076	6,956	-	3,774	C.Y. 2019
118,065	118,444	93,831	-	24,613	19,138	5,475	-	3,394	C.Y. 2020
113,791	114,585	88,506	-	26,079	20,080	5,999	-	2,602	C.Y. 2021
126,511	125,956	96,028	-	29,928	23,137	6,791	-	3,848	F.Y. 2019
119,434	119,376	94,765	-	24,611	19,196	5,415	-	3,906	F.Y. 2020
34,146	33,635	26,606	-	7,029	5,694	1,335	-	3,906	Q1 2021
22,995	25,044	19,213	-	5,831	4,357	1,474	-	1,857	Q2
31,224	29,307	22,601	-	6,706	5,139	1,567	-	3,775	Q3
25,426	26,599	20,086	-	6,513	4,890	1,623	-	2,602	Q4
10,503	11,342	9,245	-	2,097	1,895	202	-	2,555	Jan. 2021
11,738	10,311	8,208	-	2,103	1,569	534	-	3,982	Feb.
11,905	11,982	9,153	-	2,829	2,230	599	-	3,906	Mar.
10,295	10,894	8,552	-	2,342	1,814	528	-	3,307	Apr.
4,845	5,430	3,758	-	1,672	1,142	530	-	2,742	May
7,855	8,720	6,903	-	1,817	1,401	416	-	1,857	Jun.
11,113	9,390	7,428	-	1,962	1,415	547	-	3,581	Jul.
9,219	9,531	7,232	-	2,299	1,768	531	-	3,269	Aug.
10,892	10,386	7,941	-	2,445	1,956	489	-	3,775	Sep.
7,781	8,012	5,574	-	2,438	1,895	543	-	3,544	Oct.
8,840	8,747	6,981	-	1,766	1,267	499	-	3,637	Nov.
8,805	9,840	7,531	-	2,309	1,728	581	-	2,602	Dec.
再生油(石油由来) Reproduction oil (Oil origin)				Consumption			単位 Unit : kl		Year, Quarter &Month
受入 Receipts	消費			ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	ボイラ用及び コージェネレーション用 以外に使用したもの for purposes other than boilers and co-generation	払出 Shipments	月末在庫 Inventory	
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation							計 Total	直接加熱用 for Direct heating	その他用 for Others
18,091	18,150	2,571	-	15,579	11,571	4,008	-	749	C.Y. 2017
14,551	14,646	2,582	-	12,064	8,284	3,780	-	654	C.Y. 2018
14,756	14,789	2,329	-	12,460	8,306	4,154	-	621	C.Y. 2019
21,155	21,075	4,899	-	16,176	11,035	5,141	-	1,924	C.Y. 2020
26,916	26,946	6,301	-	20,645	16,995	3,650	-	1,675	C.Y. 2021
15,494	15,502	2,451	-	13,051	8,197	4,854	-	608	F.Y. 2019
24,363	23,973	5,070	-	18,903	13,508	5,395	-	2,001	F.Y. 2020
7,329	7,032	840	-	6,192	4,581	1,611	-	2,001	Q1 2021
7,415	7,362	2,532	-	4,830	3,895	935	-	2,054	Q2
6,363	6,407	1,065	-	5,342	4,889	453	-	2,010	Q3
5,809	6,145	1,864	-	4,281	3,630	651	-	1,675	Q4
2,239	2,206	241	-	1,965	1,244	721	-	1,893	Jan. 2021
2,446	2,392	330	-	2,062	1,564	498	-	1,791	Feb.
2,644	2,434	269	-	2,165	1,773	392	-	2,001	Mar.
2,322	2,629	1,144	-	1,485	1,163	322	-	1,754	Apr.
2,969	2,259	632	-	1,627	1,312	315	-	2,404	May
2,124	2,474	756	-	1,718	1,420	298	-	2,054	Jun.
2,305	2,244	471	-	1,773	1,691	82	-	2,115	Jul.
2,015	1,938	222	-	1,716	1,549	167	-	2,192	Aug.
2,043	2,225	372	-	1,853	1,649	204	-	2,010	Sep.
2,470	2,652	1,123	-	1,529	1,288	241	-	1,828	Oct.
1,837	1,832	494	-	1,338	1,106	232	-	1,893	Nov.
1,502	1,661	247	-	1,414	1,236	178	-	1,675	Dec.

非石油系燃料(原油換算)		Non-oil based fuels(Crude petroleum equivalent)						単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	11,076,482	10,902,498	10,282,491	538,931	81,076	67,834	13,242	137,913	438,606
平成 30 年	11,197,077	11,053,949	10,444,509	528,250	81,191	66,661	14,530	149,535	432,023
令和 1 年	10,791,956	10,670,754	10,036,170	554,802	79,782	66,035	13,746	161,103	390,616
令和 2 年	9,932,630	9,896,684	9,286,540	530,965	79,179	65,817	13,362	143,747	434,537
令和 3 年	10,368,447	10,265,814	9,617,051	555,630	93,133	80,058	13,075	113,261	344,545
令和 1 年度	10,711,215	10,620,364	9,987,324	553,354	79,685	65,630	14,056	173,623	398,440
令和 2 年度	9,846,318	9,724,250	9,108,003	536,694	79,552	66,784	12,768	122,213	403,181
3 年									
1~3月	2,686,085	2,651,990	2,487,784	142,727	21,480	18,147	3,333	30,437	403,181
4~6	2,494,300	2,436,384	2,283,392	131,870	21,122	18,101	3,020	30,960	429,606
7~9	2,617,681	2,623,756	2,466,842	133,308	23,606	20,375	3,231	25,835	353,242
10~12	2,570,381	2,553,683	2,379,034	147,725	26,925	23,434	3,491	26,029	344,545
3 年									
1月	895,050	899,625	845,880	46,615	7,130	6,060	1,070	9,718	403,286
2	864,291	815,956	763,787	45,250	6,919	5,820	1,099	9,684	423,133
3	926,744	936,409	878,117	50,862	7,431	6,267	1,164	11,035	403,181
4	818,475	845,077	791,868	46,355	6,854	5,755	1,099	10,116	366,763
5	834,503	821,936	774,007	40,598	7,331	6,541	790	10,490	369,683
6	841,322	769,371	717,517	44,918	6,936	5,805	1,131	10,355	429,606
7	881,718	878,357	825,371	45,546	7,439	6,302	1,137	9,950	423,763
8	838,662	880,766	831,545	41,253	7,968	6,932	1,036	7,206	374,185
9	897,301	864,633	809,926	46,509	8,199	7,141	1,058	8,678	353,242
10	857,509	862,082	804,162	49,411	8,509	7,382	1,127	8,279	340,481
11	797,736	822,941	764,435	49,360	9,147	7,973	1,174	8,821	306,974
12	915,137	868,660	810,437	48,954	9,269	8,079	1,190	8,930	344,545

石炭		Coal						単位 Unit : t	
平成 29 年	6,212,864	5,950,017	5,950,017	-	-	-	-	207,675	586,576
平成 30 年	6,175,214	5,966,532	5,966,532	-	-	-	-	225,176	570,276
令和 1 年	5,910,708	5,721,291	5,721,291	-	-	-	-	241,622	519,632
令和 2 年	5,490,714	5,298,304	5,298,304	-	-	-	-	214,870	572,631
令和 3 年	5,350,822	5,191,525	5,191,525	-	-	-	-	165,441	439,249
令和 1 年度	5,879,234	5,604,171	5,604,171	-	-	-	-	260,475	549,184
令和 2 年度	5,437,184	5,257,187	5,257,187	-	-	-	-	181,072	535,070
3 年									
1~3月	1,488,468	1,420,420	1,420,420	-	-	-	-	44,463	535,070
4~6	1,305,025	1,234,881	1,234,881	-	-	-	-	44,715	559,797
7~9	1,331,019	1,328,566	1,328,566	-	-	-	-	38,237	457,982
10~12	1,226,310	1,207,658	1,207,658	-	-	-	-	38,026	439,249
3 年									
1月	494,184	494,959	494,959	-	-	-	-	14,258	525,708
2	515,558	436,595	436,595	-	-	-	-	14,112	559,934
3	478,726	488,866	488,866	-	-	-	-	16,093	535,070
4	378,699	431,575	431,575	-	-	-	-	14,630	468,231
5	445,505	424,014	424,014	-	-	-	-	15,032	475,900
6	480,821	379,292	379,292	-	-	-	-	15,053	559,797
7	473,791	465,736	465,736	-	-	-	-	14,754	554,121
8	388,336	449,914	449,914	-	-	-	-	10,616	481,500
9	468,892	412,916	412,916	-	-	-	-	12,867	457,982
10	393,571	405,331	405,331	-	-	-	-	12,276	434,283
11	344,345	384,383	384,383	-	-	-	-	13,079	381,470
12	488,394	417,944	417,944	-	-	-	-	12,671	439,249

石炭コークス		Coal coke						単位 Unit : t	
平成 29 年	6,000	5,210	-	-	5,210	-	5,210	-	1,336
平成 30 年	6,000	6,398	-	-	6,398	-	6,398	-	938
令和 1 年	6,000	5,199	-	-	5,199	-	5,199	-	1,740
令和 2 年	3,000	4,358	-	-	4,358	-	4,358	-	381
令和 3 年	4,500	4,668	-	-	4,668	-	4,668	-	211
令和 1 年度	6,000	5,370	-	-	5,370	-	5,370	-	1,411
令和 2 年度	3,000	3,622	-	-	3,622	-	3,622	-	787
3 年									
1~3月	1,500	1,093	-	-	1,093	-	1,093	-	787
4~6	1,500	1,032	-	-	1,032	-	1,032	-	1,254
7~9	1,500	1,366	-	-	1,366	-	1,366	-	1,388
10~12	-	1,177	-	-	1,177	-	1,177	-	211
3 年									
1月	1,500	370	-	-	370	-	370	-	1,511
2	-	311	-	-	311	-	311	-	1,199
3	-	412	-	-	412	-	412	-	787
4	-	396	-	-	396	-	396	-	391
5	-	150	-	-	150	-	150	-	240
6	1,500	486	-	-	486	-	486	-	1,254
7	-	488	-	-	488	-	488	-	766
8	-	464	-	-	464	-	464	-	302
9	1,500	414	-	-	414	-	414	-	1,388
10	-	385	-	-	385	-	385	-	1,003
11	-	403	-	-	403	-	403	-	600
12	-	389	-	-	389	-	389	-	211

天然ガス		Natural gas					単位 Unit : 1000m ³		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			抽出 Shipments	月末在庫 Inventory				
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total				直接加熱用 for Direct heating		その他用 for Others
82,201	82,201	16,242	61,788	4,171	3,978	193	-	C.Y. 2017		
80,344	80,344	15,988	60,239	4,117	3,917	200	-	C.Y. 2018		
74,467	74,467	14,997	55,122	4,348	4,154	194	-	C.Y. 2019		
72,093	72,093	13,854	55,078	3,161	3,000	161	-	C.Y. 2020		
77,355	77,355	15,149	58,288	3,918	3,751	167	-	C.Y. 2021		
73,496	73,496	14,836	54,290	4,370	4,177	193	-	F.Y. 2019		
73,544	73,544	13,754	56,674	3,116	2,964	152	-	F.Y. 2020		
22,179	22,179	3,802	17,166	1,211	1,168	43	-	Q1 2021		
14,319	14,319	3,760	9,652	907	870	37	-	Q2		
19,611	19,611	3,750	14,975	886	847	39	-	Q3		
21,246	21,246	3,837	16,495	914	866	48	-	Q4		
7,523	7,523	1,324	5,784	415	403	12	-	Jan. 2021		
6,647	6,647	1,226	5,084	337	321	16	-	Feb.		
8,009	8,009	1,252	6,298	459	444	15	-	Mar.		
7,011	7,011	1,236	5,467	308	292	16	-	Apr.		
2,634	2,634	1,357	843	434	430	4	-	May		
4,674	4,674	1,167	3,342	165	148	17	-	Jun.		
5,909	5,909	1,253	4,504	152	135	17	-	Jul.		
7,201	7,201	1,272	5,544	385	378	7	-	Aug.		
6,501	6,501	1,225	4,927	349	334	15	-	Sep.		
7,640	7,640	1,276	5,974	390	372	18	-	Oct.		
6,038	6,038	1,229	4,656	153	135	18	-	Nov.		
7,568	7,568	1,332	5,865	371	359	12	-	Dec.		

液化天然ガス		Liquefied natural gas					単位 Unit : t		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			抽出 Shipments	月末在庫 Inventory				
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total				直接加熱用 for Direct heating		その他用 for Others
110,687	110,642	67,862	36,824	5,956	3,975	1,981	-	550	C.Y. 2017	
109,890	109,780	66,670	37,326	5,784	3,546	2,238	-	734	C.Y. 2018	
106,992	107,030	64,376	37,033	5,621	3,646	1,975	-	694	C.Y. 2019	
100,137	100,222	58,067	37,134	5,021	3,246	1,775	-	613	C.Y. 2020	
108,704	108,630	58,487	38,062	12,081	10,651	1,430	-	729	C.Y. 2021	
106,274	106,279	63,865	36,931	5,483	3,554	1,929	-	643	F.Y. 2019	
100,080	100,059	57,629	37,533	4,897	3,244	1,653	-	667	F.Y. 2020	
27,079	27,026	15,540	10,083	1,403	1,034	369	-	667	Q1 2021	
26,204	26,071	14,684	8,953	2,434	2,126	308	-	834	Q2	
26,621	26,776	14,146	9,190	3,440	3,112	328	-	682	Q3	
28,800	28,757	14,117	9,836	4,804	4,379	425	-	729	Q4	
8,771	8,884	4,856	3,515	513	387	126	-	501	Jan. 2021	
8,897	8,894	5,249	3,197	448	316	132	-	503	Feb.	
9,411	9,248	5,435	3,371	442	331	111	-	667	Mar.	
8,467	8,442	4,969	2,969	504	406	98	-	690	Apr.	
9,112	9,141	4,972	3,152	1,017	917	100	-	697	May	
8,625	8,488	4,743	2,832	913	803	110	-	834	Jun.	
9,403	9,493	5,282	3,083	1,128	1,023	105	-	746	Jul.	
7,667	7,756	3,654	3,000	1,102	1,001	101	-	658	Aug.	
9,551	9,527	5,210	3,107	1,210	1,088	122	-	682	Sep.	
9,731	9,717	4,808	3,324	1,585	1,430	155	-	697	Oct.	
9,541	9,521	4,752	3,265	1,504	1,360	144	-	720	Nov.	
9,528	9,519	4,557	3,247	1,715	1,589	126	-	729	Dec.	

都市ガス(A)		Town gas(A)					単位 Unit : 1000m ³		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			抽出 Shipments	月末在庫 Inventory				
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total				直接加熱用 for Direct heating		その他用 for Others
739,873	739,873	326,236	363,872	49,765	45,057	4,708	-	...	C.Y. 2017	
746,868	746,868	341,553	355,208	50,107	44,970	5,137	-	...	C.Y. 2018	
760,202	760,202	336,365	373,066	50,771	45,016	5,755	-	...	C.Y. 2019	
727,841	727,841	312,108	362,164	53,569	47,356	6,213	-	...	C.Y. 2020	
760,026	760,026	323,273	379,870	56,883	50,668	6,215	-	...	C.Y. 2021	
753,509	753,509	329,736	372,694	51,079	45,131	5,948	-	...	F.Y. 2019	
732,804	732,804	312,532	365,386	54,886	48,529	6,357	-	...	F.Y. 2020	
193,364	193,364	83,814	95,159	14,391	12,749	1,642	-	...	Q1 2021	
188,428	188,428	80,841	94,233	13,354	11,844	1,510	-	...	Q2	
177,774	177,774	73,727	90,110	13,937	12,512	1,425	-	...	Q3	
200,460	200,460	84,891	100,368	15,201	13,563	1,638	-	...	Q4	
63,467	63,467	28,175	30,604	4,688	4,184	504	-	...	Jan. 2021	
61,431	61,431	26,203	30,535	4,693	4,128	565	-	...	Feb.	
68,466	68,466	29,436	34,020	5,010	4,437	573	-	...	Mar.	
64,254	64,254	28,240	31,367	4,647	4,102	545	-	...	Apr.	
61,451	61,451	26,435	30,573	4,443	3,983	460	-	...	May	
62,723	62,723	26,166	32,293	4,264	3,759	505	-	...	Jun.	
62,328	62,328	26,406	31,483	4,439	3,925	514	-	...	Jul.	
54,823	54,823	23,341	26,828	4,654	4,209	445	-	...	Aug.	
60,623	60,623	23,980	31,799	4,844	4,378	466	-	...	Sep.	
65,665	65,665	27,885	33,082	4,698	4,194	504	-	...	Oct.	
67,965	67,965	28,175	34,374	5,416	4,876	540	-	...	Nov.	
66,830	66,830	28,831	32,912	5,087	4,493	594	-	...	Dec.	

都市ガス(B)		Town gas(B)							単位 Unit : 1000m ³	
年 月	受入 Receipts	Consumption							払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	800,327	800,312	352,927	393,145	54,240	49,143	5,097	...	...
30	808,060	808,049	369,399	384,060	54,590	49,017	5,573	...	...
令和 1 年	822,794	822,796	363,295	404,129	55,372	49,091	6,281	...	...
2	786,728	786,714	335,973	392,291	58,450	51,678	6,772	...	...
3	819,781	819,768	345,582	412,097	62,089	55,319	6,770	...	...
令和 1 年度	815,547	815,550	356,068	403,756	55,726	49,229	6,497	...	...
2	791,192	791,172	335,416	395,870	59,886	52,965	6,921	...	...
3 年 1~3月	208,281	208,271	89,362	103,207	15,702	13,917	1,785	...	...
4~6	203,281	203,281	86,486	102,229	14,566	12,923	1,643	...	...
7~9	191,875	191,874	78,930	97,742	15,202	13,650	1,552	...	...
10~12	216,344	216,342	90,804	108,919	16,619	14,829	1,790	...	...
3 年 1月	68,426	68,424	30,076	33,229	5,119	4,570	549	...	...
2	66,102	66,100	27,889	33,092	5,119	4,505	614	...	...
3	73,753	73,747	31,397	36,886	5,464	4,842	622	...	...
4	69,268	69,265	30,171	34,028	5,066	4,472	594	...	...
5	66,270	66,271	28,287	33,135	4,849	4,348	501	...	...
6	67,743	67,745	28,028	35,066	4,651	4,103	548	...	...
7	67,239	67,235	28,272	34,126	4,837	4,277	560	...	...
8	59,238	59,242	25,040	29,117	5,085	4,600	485	...	...
9	65,398	65,397	25,618	34,499	5,280	4,773	507	...	...
10	70,903	70,902	29,860	35,918	5,124	4,573	551	...	...
11	73,334	73,337	30,107	37,296	5,934	5,342	592	...	...
12	72,107	72,103	30,837	35,705	5,561	4,914	647	...	...

回収黒液		Black liquor				単位 Unit : 絶乾(Dry) t				
平成 29 年	12,228,799	12,230,254	12,230,254	-	-	-	-	-	-	3,426
30	12,350,054	12,349,556	12,349,556	-	-	-	-	-	-	3,762
令和 1 年	12,022,719	12,023,263	11,989,828	33,435	-	-	-	-	-	3,218
2	10,448,454	10,723,045	10,723,045	-	-	-	-	-	-	3,296
3	11,187,608	11,187,712	11,187,712	-	-	-	-	-	-	3,296
令和 1 年度	11,898,412	12,173,561	12,140,126	33,435	-	-	-	-	-	3,171
2	10,169,647	10,170,708	10,170,708	-	-	-	-	-	-	2,500
3 年 1~3月	2,777,637	2,778,507	2,778,507	-	-	-	-	-	-	2,500
4~6	2,662,688	2,662,042	2,662,042	-	-	-	-	-	-	3,146
7~9	2,882,242	2,882,299	2,882,299	-	-	-	-	-	-	3,089
10~12	2,865,041	2,864,864	2,864,864	-	-	-	-	-	-	3,296
3 年 1月	957,062	957,475	957,475	-	-	-	-	-	-	2,994
2	847,070	846,607	846,607	-	-	-	-	-	-	3,545
3	973,505	974,425	974,425	-	-	-	-	-	-	2,500
4	926,394	925,769	925,769	-	-	-	-	-	-	3,125
5	914,890	914,922	914,922	-	-	-	-	-	-	3,093
6	821,404	821,351	821,351	-	-	-	-	-	-	3,146
7	925,853	925,708	925,708	-	-	-	-	-	-	3,291
8	985,878	986,292	986,292	-	-	-	-	-	-	2,877
9	970,511	970,299	970,299	-	-	-	-	-	-	3,089
10	1,012,928	1,013,090	1,013,090	-	-	-	-	-	-	2,927
11	887,741	887,414	887,414	-	-	-	-	-	-	3,284
12	964,372	964,360	964,360	-	-	-	-	-	-	3,296

廃材		Waste material				単位 Unit : 絶乾(Dry) t				
平成 29 年	2,417,166	2,423,860	2,410,152	-	13,708	13,209	499	-	-	55,552
30	2,601,113	2,594,869	2,582,100	-	12,769	12,342	427	-	-	62,623
令和 1 年	2,411,601	2,415,056	2,405,064	-	9,992	9,703	289	1,535	-	52,541
2	2,354,603	2,355,675	2,348,181	-	7,494	7,081	413	2,507	-	49,291
3	2,288,673	2,290,180	2,284,934	-	5,246	4,830	416	3,812	-	43,200
令和 1 年度	2,400,111	2,397,540	2,388,574	-	8,966	8,639	327	1,535	-	36,330
2	2,303,095	2,291,491	2,284,849	-	6,642	6,231	411	3,526	-	43,673
3 年 1~3月	570,715	574,370	572,846	-	1,524	1,410	114	1,019	-	43,673
4~6	539,803	536,299	535,297	-	1,002	943	59	1,818	-	45,366
7~9	582,871	586,247	584,884	-	1,363	1,244	119	106	-	41,948
10~12	595,284	593,264	591,907	-	1,357	1,233	124	869	-	43,200
3 年 1月	181,532	180,770	180,235	-	535	492	43	231	-	48,374
2	174,825	178,888	178,330	-	558	535	23	376	-	44,332
3	214,358	214,712	214,281	-	431	383	48	412	-	43,673
4	193,289	191,889	191,602	-	287	252	35	563	-	44,269
5	163,398	162,504	162,153	-	351	351	-	796	-	44,446
6	183,116	181,906	181,542	-	364	340	24	459	-	45,366
7	190,449	193,645	193,248	-	397	375	22	-	-	42,223
8	194,012	187,091	186,549	-	542	491	51	106	-	49,047
9	198,410	205,511	205,087	-	424	378	46	-	-	41,948
10	194,070	192,470	192,220	-	250	217	33	-	-	43,534
11	206,713	207,998	207,435	-	563	518	45	-	-	42,301
12	194,501	192,796	192,252	-	544	498	46	869	-	43,200

廃タイヤ		Used tires					単位 Unit : t		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			払出 Shipments	月末在庫 Inventory			
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total			直接加熱用 for Direct heating	その他用 for Others	
238,093	237,908	237,906	-	-	-	-	12,497	C.Y. 2017	
247,285	246,190	246,190	-	-	-	-	12,796	C.Y. 2018	
223,154	224,458	224,458	-	-	-	-	11,227	C.Y. 2019	
226,217	223,250	223,250	-	-	-	-	18,525	C.Y. 2020	
251,090	251,488	251,488	-	-	-	-	18,125	C.Y. 2021	
220,527	218,366	218,366	-	-	-	-	9,587	F.Y. 2019	
227,336	227,759	227,759	-	-	-	-	13,568	F.Y. 2020	
60,324	65,353	65,353	-	-	-	-	13,568	Q1 2021	
55,661	50,365	50,365	-	-	-	-	18,621	Q2	
71,633	74,614	74,614	-	-	-	-	15,840	Q3	
63,472	61,156	61,156	-	-	-	-	18,125	Q4	
20,460	21,308	21,308	-	-	-	-	17,618	Jan. 2021	
16,270	19,443	19,443	-	-	-	-	14,577	Feb.	
23,594	24,602	24,602	-	-	-	-	13,568	Mar.	
18,532	14,231	14,231	-	-	-	-	17,869	Apr.	
17,197	17,741	17,741	-	-	-	-	17,081	May	
19,932	18,393	18,393	-	-	-	-	18,621	Jun.	
24,763	26,482	26,482	-	-	-	-	17,101	Jul.	
24,945	24,995	24,995	-	-	-	-	17,050	Aug.	
21,925	23,137	23,137	-	-	-	-	15,840	Sep.	
15,586	15,597	15,597	-	-	-	-	15,828	Oct.	
24,568	20,551	20,551	-	-	-	-	19,816	Nov.	
23,318	25,008	25,008	-	-	-	-	18,125	Dec.	

廃プラスチック		Waste plastic					単位 Unit : t		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			払出 Shipments	月末在庫 Inventory			
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total			直接加熱用 for Direct heating	その他用 for Others	
46,808	46,750	46,750	-	-	-	-	87	C.Y. 2017	
48,250	48,270	48,270	-	-	-	-	58	C.Y. 2018	
43,805	43,864	43,864	-	-	-	-	-	C.Y. 2019	
46,285	46,263	46,263	-	-	-	-	22	C.Y. 2020	
48,405	48,471	48,384	87	-	-	-	3	C.Y. 2021	
46,022	46,072	46,072	-	-	-	-	8	F.Y. 2019	
46,277	46,264	46,264	-	-	-	-	21	F.Y. 2020	
13,196	13,197	13,197	-	-	-	-	21	Q1 2021	
13,439	13,489	13,489	-	-	-	-	217	Q2	
10,235	10,253	10,166	87	-	-	-	-	Q3	
11,535	11,532	11,532	-	-	-	-	3	Q4	
4,312	4,306	4,306	-	-	-	-	28	Jan. 2021	
4,193	4,194	4,194	-	-	-	-	27	Feb.	
4,691	4,697	4,697	-	-	-	-	21	Mar.	
4,067	4,057	4,057	-	-	-	-	31	Apr.	
4,190	4,268	4,268	-	-	-	-	199	May	
5,182	5,164	5,164	-	-	-	-	217	Jun.	
2,085	2,068	2,068	-	-	-	-	35	Jul.	
3,776	3,811	3,811	-	-	-	-	-	Aug.	
4,374	4,374	4,287	87	-	-	-	-	Sep.	
4,772	4,772	4,772	-	-	-	-	-	Oct.	
4,616	4,616	4,616	-	-	-	-	-	Nov.	
2,147	2,144	2,144	-	-	-	-	3	Dec.	

RPF		Refuse Paper & Plastic Fuel					単位 Unit : t		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			払出 Shipments	月末在庫 Inventory			
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total			直接加熱用 for Direct heating	その他用 for Others	
553,039	550,577	549,720	-	857	-	857	15,753	C.Y. 2017	
569,925	568,661	568,412	-	249	-	249	17,017	C.Y. 2018	
544,983	548,068	548,068	-	-	-	-	13,707	C.Y. 2019	
583,243	582,113	582,052	61	-	-	-	20,228	C.Y. 2020	
652,271	657,084	656,939	145	-	-	-	16,287	C.Y. 2021	
542,044	543,803	543,767	36	-	-	-	9,435	F.Y. 2019	
601,985	604,596	604,548	48	-	-	-	12,885	F.Y. 2020	
155,887	163,944	163,921	23	-	-	-	12,885	Q1 2021	
161,453	156,001	155,933	68	-	-	-	18,213	Q2	
167,353	172,429	172,424	5	-	-	-	13,174	Q3	
167,578	164,710	164,661	49	-	-	-	16,287	Q4	
44,689	50,238	50,231	7	-	-	-	14,347	Jan. 2021	
49,567	50,053	50,047	6	-	-	-	15,154	Feb.	
61,631	63,653	63,643	10	-	-	-	12,885	Mar.	
57,408	50,530	50,507	23	-	-	-	19,708	Apr.	
52,164	54,509	54,470	39	-	-	-	17,310	May	
51,881	50,962	50,956	6	-	-	-	18,213	Jun.	
55,615	53,830	53,830	-	-	-	-	20,018	Jul.	
55,621	59,850	59,848	2	-	-	-	15,806	Aug.	
56,117	58,749	58,746	3	-	-	-	13,174	Sep.	
51,695	47,401	47,391	10	-	-	-	17,282	Oct.	
57,006	58,329	58,296	33	-	-	-	16,388	Nov.	
58,877	58,980	58,974	6	-	-	-	16,287	Dec.	

③ 化学繊維工業

Chemical fibers industry

合計(原油換算)		Total(Crude petroleum equivalent)							単位 Unit : kl	
年 月	受入 Receipts	消 費				Consumption			払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	1,917,746	1,911,705	1,350,360	425,620	135,725	84,185	51,540	3,852	182,079	
30 年	1,891,654	1,874,599	1,331,367	414,763	128,470	86,143	42,327	191	198,867	
令和 1 年	1,787,048	1,783,852	1,262,790	389,269	131,793	82,598	49,195	155	203,219	
2 年	1,678,295	1,732,664	1,199,457	401,466	131,741	79,360	52,380	108	148,667	
3 年	1,982,066	1,893,714	1,329,158	427,564	136,992	79,607	57,384	-	244,372	
令和 1 年度	1,788,806	1,802,596	1,268,534	396,439	137,623	84,136	53,487	108	145,704	
2 年度	1,720,741	1,734,214	1,199,555	405,943	128,716	77,635	51,081	-	139,548	
3 年 1~3月	460,042	476,514	333,159	109,597	33,758	19,220	14,538	-	139,548	
4~6	512,802	472,412	329,755	108,415	34,243	21,011	13,231	-	179,941	
7~9	468,243	491,360	346,583	110,074	34,702	19,722	14,980	-	156,823	
10~12	540,978	453,428	319,661	99,479	34,289	19,654	14,635	-	244,372	
3 年 1月	130,582	162,394	112,345	38,566	11,482	6,533	4,950	-	124,207	
2 月	152,022	150,603	107,161	33,389	10,053	6,016	4,036	-	125,628	
3 月	177,439	163,518	113,654	37,641	12,223	6,671	5,552	-	139,548	
4 月	176,947	180,240	129,112	38,719	12,409	6,591	5,818	-	136,248	
5 月	195,719	151,150	103,468	36,277	11,405	7,261	4,145	-	180,824	
6 月	140,136	141,022	97,175	33,419	10,428	7,159	3,269	-	179,941	
7 月	137,165	163,442	115,185	36,896	11,361	6,414	4,947	-	153,661	
8 月	171,752	170,631	122,682	35,747	12,202	6,920	5,282	-	154,782	
9 月	159,327	157,286	108,716	37,431	11,139	6,388	4,751	-	156,823	
10 月	159,913	148,089	104,279	32,554	11,257	6,343	4,914	-	168,648	
11 月	202,551	148,620	107,246	30,151	11,223	6,532	4,691	-	222,580	
12 月	178,514	156,719	108,136	36,774	11,809	6,779	5,030	-	244,372	

石油系燃料(原油換算)		Oil based fuels(Crude petroleum equivalent)							単位 Unit : kl	
平成 29 年	491,858	480,061	409,333	14,465	56,263	26,301	29,962	789	82,559	
30 年	494,459	457,368	394,261	13,546	49,561	26,835	22,726	191	119,384	
令和 1 年	390,784	413,207	359,095	6,836	47,276	25,284	21,991	155	96,633	
2 年	368,659	384,776	334,517	7,380	42,879	24,402	18,477	108	80,339	
3 年	447,543	426,870	373,609	5,917	47,344	25,062	22,283	-	107,307	
令和 1 年度	386,440	414,870	361,820	6,398	46,652	25,739	20,913	108	54,666	
2 年度	378,245	391,412	341,254	7,469	42,689	23,778	18,910	-	47,768	
3 年 1~3月	71,077	109,946	97,424	802	11,720	6,188	5,533	-	47,768	
4~6	158,207	101,356	87,746	1,549	12,061	6,572	5,489	-	104,618	
7~9	71,120	105,011	90,782	2,056	12,172	6,325	5,847	-	70,726	
10~12	147,139	110,558	97,657	1,510	11,391	5,977	5,414	-	107,307	
3 年 1月	30,527	39,017	34,312	428	4,277	2,219	2,058	-	78,146	
2 月	21,344	36,182	32,605	201	3,376	1,965	1,411	-	63,308	
3 月	19,206	34,747	30,506	173	4,067	2,004	2,064	-	47,768	
4 月	24,593	33,163	29,055	332	3,776	1,876	1,900	-	39,195	
5 月	88,141	34,624	30,532	188	3,905	2,190	1,715	-	92,715	
6 月	45,473	33,569	28,159	1,029	4,380	2,506	1,875	-	104,618	
7 月	21,544	32,843	27,826	733	4,284	2,185	2,099	-	93,318	
8 月	28,915	41,016	36,245	665	4,106	2,333	1,773	-	81,218	
9 月	20,661	31,151	26,712	657	3,782	1,807	1,975	-	70,726	
10 月	28,569	32,997	28,204	978	3,815	1,949	1,866	-	66,298	
11 月	87,838	38,934	34,963	382	3,589	1,973	1,616	-	115,203	
12 月	30,732	38,627	34,490	151	3,987	2,055	1,932	-	107,307	

ガソリン		Gasoline							単位 Unit : kl	
平成 29 年	80	80	...	...	80	...	80	-	-
30 年	83	82	...	...	82	...	82	-	1
令和 1 年	82	84	...	...	84	...	84	-	-
2 年	65	65	...	...	65	...	65	-	-
3 年	56	56	...	...	56	...	56	-	-
令和 1 年度	82	82	...	...	82	...	82	-	-
2 年度	57	57	...	...	57	...	57	-	-
3 年 1~3月	13	13	...	...	13	...	13	-	-
4~6	14	14	...	...	14	...	14	-	-
7~9	14	14	...	...	14	...	14	-	-
10~12	15	15	...	...	15	...	15	-	-
3 年 1月	4	4	...	...	4	...	4	-	-
2 月	5	5	...	...	5	...	5	-	-
3 月	4	4	...	...	4	...	4	-	-
4 月	5	5	...	...	5	...	5	-	-
5 月	4	4	...	...	4	...	4	-	-
6 月	5	5	...	...	5	...	5	-	-
7 月	5	5	...	...	5	...	5	-	-
8 月	4	4	...	...	4	...	4	-	-
9 月	5	5	...	...	5	...	5	-	-
10 月	5	5	...	...	5	...	5	-	-
11 月	5	5	...	...	5	...	5	-	-
12 月	5	5	...	...	5	...	5	-	-

灯油		Kerosene						単位 Unit : kl		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			計 Total	直接加熱用 for Direct heating	その他用 for Others	払出 Shipments	月末在庫 Inventory		
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
4,123	4,070	1,595	-	2,475	636	1,839	-	153	C.Y. 2017		
3,556	3,571	1,602	-	1,969	309	1,660	-	138	C.Y. 2018		
3,098	3,114	1,318	-	1,796	302	1,494	17	106	C.Y. 2019		
2,051	2,093	389	-	1,704	282	1,422	-	63	C.Y. 2020		
2,178	2,156	431	-	1,725	230	1,495	-	85	C.Y. 2021		
2,716	2,746	964	-	1,782	299	1,483	-	93	F.Y. 2019		
2,036	2,062	390	-	1,672	251	1,421	-	67	F.Y. 2020		
603	599	111	-	488	33	455	-	67	Q1 2021		
587	568	116	-	452	106	346	-	86	Q2		
517	518	96	-	422	42	380	-	85	Q3		
471	471	108	-	363	49	314	-	85	Q4		
209	202	32	-	170	8	162	-	70	Jan. 2021		
197	196	37	-	159	16	143	-	71	Feb.		
197	201	42	-	159	9	150	-	67	Mar.		
174	171	43	-	128	14	114	-	70	Apr.		
218	228	34	-	194	78	116	-	61	May		
195	169	39	-	130	14	116	-	86	Jun.		
171	176	35	-	141	14	127	-	81	Jul.		
171	171	28	-	143	14	129	-	81	Aug.		
175	171	33	-	138	14	124	-	85	Sep.		
153	151	35	-	116	16	100	-	87	Oct.		
117	122	38	-	84	16	68	-	82	Nov.		
201	198	35	-	163	17	146	-	85	Dec.		

軽油		Gas oil						単位 Unit : kl		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			計 Total	直接加熱用 for Direct heating	その他用 for Others	払出 Shipments	月末在庫 Inventory		
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
175	174	-	77	97	-	97	-	10	C.Y. 2017		
169	169	-	74	95	-	95	-	8	C.Y. 2018		
155	151	-	64	87	-	87	-	10	C.Y. 2019		
137	138	-	55	83	-	83	-	9	C.Y. 2020		
161	159	-	70	89	1	88	-	11	C.Y. 2021		
148	143	-	57	86	-	86	-	11	F.Y. 2019		
136	140	-	58	82	-	82	-	7	F.Y. 2020		
35	37	-	14	23	-	23	-	7	Q1 2021		
40	36	-	14	22	-	22	-	11	Q2		
46	51	-	29	22	-	22	-	6	Q3		
40	35	-	13	22	1	21	-	11	Q4		
14	13	-	5	8	-	8	-	10	Jan. 2021		
8	11	-	3	8	-	8	-	7	Feb.		
13	13	-	6	7	-	7	-	7	Mar.		
14	14	-	6	8	-	8	-	7	Apr.		
13	13	-	6	7	-	7	-	7	May		
13	9	-	2	7	-	7	-	11	Jun.		
19	20	-	13	7	-	7	-	10	Jul.		
13	14	-	7	7	-	7	-	9	Aug.		
14	17	-	9	8	-	8	-	6	Sep.		
14	12	-	4	8	-	8	-	8	Oct.		
13	11	-	4	7	-	7	-	10	Nov.		
13	12	-	5	7	1	6	-	11	Dec.		

重油計		Heavy fuel oil total						単位 Unit : kl		Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption			計 Total	直接加熱用 for Direct heating	その他用 for Others	払出 Shipments	月末在庫 Inventory		
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
224,123	225,675	166,042	13,842	45,791	21,814	23,977	762	28,631	C.Y. 2017		
208,927	210,289	157,342	13,171	39,776	22,539	17,237	178	27,019	C.Y. 2018		
192,453	192,380	147,468	6,704	38,208	21,217	16,991	128	26,799	C.Y. 2019		
171,239	171,850	130,285	7,251	34,314	20,652	13,662	100	26,028	C.Y. 2020		
190,945	192,317	148,243	5,818	38,256	21,499	16,757	-	24,655	C.Y. 2021		
187,210	187,186	143,603	6,278	37,305	21,640	15,665	100	22,544	F.Y. 2019		
178,581	178,673	136,776	7,341	34,556	20,291	14,265	-	22,428	F.Y. 2020		
44,144	47,745	37,420	784	9,541	5,362	4,179	-	22,428	Q1 2021		
46,265	47,081	35,613	1,527	9,941	5,664	4,277	-	21,610	Q2		
42,751	42,618	30,796	2,017	9,805	5,450	4,355	-	21,744	Q3		
57,785	54,873	44,414	1,490	8,969	5,023	3,946	-	24,655	Q4		
14,927	16,551	12,651	421	3,479	1,941	1,538	-	24,405	Jan. 2021		
14,249	14,336	11,413	197	2,726	1,691	1,035	-	24,318	Feb.		
14,968	16,858	13,356	166	3,336	1,730	1,606	-	22,428	Mar.		
16,397	16,477	13,135	324	3,018	1,607	1,411	-	22,346	Apr.		
14,840	14,509	11,015	181	3,313	1,853	1,460	-	22,679	May		
15,028	16,095	11,463	1,022	3,610	2,204	1,406	-	21,610	Jun.		
9,140	9,519	5,350	717	3,452	1,907	1,545	-	21,231	Jul.		
17,208	17,129	13,174	655	3,300	2,012	1,288	-	21,311	Aug.		
16,403	15,970	12,272	645	3,053	1,531	1,522	-	21,744	Sep.		
21,890	21,552	17,582	969	3,001	1,653	1,348	-	22,081	Oct.		
18,112	18,357	15,053	376	2,928	1,645	1,283	-	21,836	Nov.		
17,783	14,964	11,779	145	3,040	1,725	1,315	-	24,655	Dec.		

A重油		Heavy fuel oil A							単位	Unit : kl
年 月	受入 Receipts	消費 Consumption							払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	29,257	28,473	14,544	8,243	5,686	1,692	3,994	495	6,387	
30 年	26,446	26,527	9,642	10,867	6,018	1,835	4,183	30	6,253	
令和 1 年	25,573	24,918	12,278	6,704	5,936	1,054	4,882	-	6,844	
2 年	26,804	26,914	14,627	7,251	5,036	1,245	3,791	-	6,739	
3 年	23,704	24,727	13,947	5,818	4,962	1,132	3,830	-	5,718	
令和 1 年度	24,452	23,979	12,631	6,278	5,070	1,171	3,899	-	6,555	
2 年度	26,208	26,132	14,007	7,341	4,784	1,101	3,683	-	6,635	
3 年 1~3月	4,941	5,045	3,040	784	1,221	243	978	-	6,635	
4~6	7,675	8,517	5,957	1,527	1,033	302	731	-	5,793	
7~9	5,923	5,378	2,038	2,017	1,323	303	1,020	-	6,340	
10~12	5,165	5,787	2,912	1,490	1,385	284	1,101	-	5,718	
3 年 1月	1,655	1,354	522	421	411	111	300	-	7,040	
2 月	678	1,079	473	197	409	96	313	-	6,639	
3 月	2,608	2,612	2,045	166	401	36	365	-	6,635	
4 月	3,483	3,976	3,187	324	465	81	384	-	6,141	
5 月	1,674	1,457	960	181	316	55	261	-	6,360	
6 月	2,518	3,084	1,810	1,022	252	166	86	-	5,793	
7 月	1,960	1,759	600	717	442	163	279	-	5,995	
8 月	2,001	2,187	1,072	655	460	64	396	-	5,810	
9 月	1,962	1,432	366	645	421	76	345	-	6,340	
10 月	2,286	2,741	1,330	969	442	71	371	-	5,884	
11 月	1,562	1,669	851	376	442	74	368	-	5,778	
12 月	1,317	1,377	731	145	501	139	362	-	5,718	

B・C重油		Heavy fuel oil B・C							単位	Unit : kl
平成 29 年	194,866	197,202	151,498	5,599	40,105	20,122	19,983	267	22,244	
30 年	182,481	183,762	147,700	2,304	33,758	20,704	13,054	148	20,766	
令和 1 年	166,880	167,462	135,190	-	32,272	20,163	12,109	128	19,955	
2 年	144,435	144,936	115,658	-	29,278	19,407	9,871	100	19,289	
3 年	167,241	167,590	134,296	-	33,294	20,367	12,927	-	18,937	
令和 1 年度	162,758	163,207	130,972	-	32,235	20,469	11,766	100	15,989	
2 年度	152,373	152,541	122,769	-	29,772	19,190	10,582	-	15,793	
3 年 1~3月	39,203	42,700	34,380	-	8,320	5,119	3,201	-	15,793	
4~6	38,590	38,564	29,656	-	8,908	5,362	3,546	-	15,817	
7~9	36,828	37,240	28,758	-	8,482	5,147	3,335	-	15,404	
10~12	52,620	49,086	41,502	-	7,584	4,739	2,845	-	18,937	
3 年 1月	13,272	15,197	12,129	-	3,068	1,830	1,238	-	17,365	
2 月	13,571	13,257	10,940	-	2,317	1,595	722	-	17,679	
3 月	12,360	14,246	11,311	-	2,935	1,694	1,241	-	15,793	
4 月	12,914	12,501	9,948	-	2,553	1,526	1,027	-	16,205	
5 月	13,166	13,052	10,055	-	2,997	1,798	1,199	-	16,319	
6 月	12,510	13,011	9,653	-	3,358	2,038	1,320	-	15,817	
7 月	7,180	7,760	4,750	-	3,010	1,744	1,266	-	15,236	
8 月	15,207	14,942	12,102	-	2,840	1,948	892	-	15,501	
9 月	14,441	14,538	11,906	-	2,632	1,455	1,177	-	15,404	
10 月	19,604	18,811	16,252	-	2,559	1,582	977	-	16,197	
11 月	16,550	16,688	14,202	-	2,486	1,571	915	-	16,058	
12 月	16,466	13,587	11,048	-	2,539	1,586	953	-	18,937	

炭化水素油		Hydrocarbon oil							単位	Unit : kl
平成 29 年	443	443	443	-	-	-	-	-	-	
30 年	467	467	467	-	-	-	-	-	-	
令和 1 年	458	458	458	-	-	-	-	-	-	
2 年	357	357	357	-	-	-	-	-	-	
3 年	336	336	336	-	-	-	-	-	-	
令和 1 年度	433	433	433	-	-	-	-	-	-	
2 年度	343	343	343	-	-	-	-	-	-	
3 年 1~3月	81	81	81	-	-	-	-	-	-	
4~6	95	95	95	-	-	-	-	-	-	
7~9	74	74	74	-	-	-	-	-	-	
10~12	86	86	86	-	-	-	-	-	-	
3 年 1月	38	38	38	-	-	-	-	-	-	
2 月	11	11	11	-	-	-	-	-	-	
3 月	32	32	32	-	-	-	-	-	-	
4 月	35	35	35	-	-	-	-	-	-	
5 月	34	34	34	-	-	-	-	-	-	
6 月	26	26	26	-	-	-	-	-	-	
7 月	16	16	16	-	-	-	-	-	-	
8 月	28	28	28	-	-	-	-	-	-	
9 月	30	30	30	-	-	-	-	-	-	
10 月	36	36	36	-	-	-	-	-	-	
11 月	19	19	19	-	-	-	-	-	-	
12 月	31	31	31	-	-	-	-	-	-	

液化石油ガス		Liquefied petroleum gas						単位 Unit : t			
受入 Receipts	合計 Total	消費 Consumption			ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	計 Total	直接加熱用 for Direct heating	その他用 for Others	払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation								
4,010	3,985	493	-	-	3,492	1,678	1,814	-	100	C.Y. 2017	
4,287	4,288	556	-	-	3,732	1,731	2,001	-	101	C.Y. 2018	
3,940	3,950	541	-	-	3,409	1,602	1,807	-	100	C.Y. 2019	
3,800	3,801	497	-	-	3,304	1,421	1,883	-	96	C.Y. 2020	
4,228	4,234	655	-	-	3,579	1,319	2,260	-	90	C.Y. 2021	
4,173	4,164	521	-	-	3,643	1,608	2,035	-	98	F.Y. 2019	
3,517	3,530	521	-	-	3,009	1,273	1,736	-	82	F.Y. 2020	
912	925	143	-	-	782	296	486	-	82	Q1 2021	
997	995	268	-	-	727	291	436	-	85	Q2	
1,054	1,055	90	-	-	965	326	639	-	83	Q3	
1,265	1,259	154	-	-	1,105	406	699	-	90	Q4	
335	335	43	-	-	292	95	197	-	95	Jan. 2021	
275	279	47	-	-	232	101	131	-	91	Feb.	
302	311	53	-	-	258	100	158	-	82	Mar.	
367	362	39	-	-	323	103	220	-	87	Apr.	
148	152	31	-	-	121	92	29	-	83	May	
482	481	198	-	-	283	96	187	-	85	Jun.	
372	373	30	-	-	343	96	247	-	84	Jul.	
354	356	23	-	-	333	117	216	-	82	Aug.	
328	326	37	-	-	289	113	176	-	83	Sep.	
444	453	78	-	-	375	119	256	-	75	Oct.	
330	321	36	-	-	285	144	141	-	84	Nov.	
491	485	40	-	-	445	143	302	-	90	Dec.	

オイルコークス		Petroleum coke						単位 Unit : t	
312,480	295,071	295,071	-	-	-	-	-	66,964	C.Y. 2017
337,073	287,146	287,146	-	-	-	-	-	116,891	C.Y. 2018
227,072	256,101	256,101	-	-	-	-	-	87,847	C.Y. 2019
229,986	249,945	249,945	-	-	-	-	-	67,889	C.Y. 2020
273,105	247,464	247,464	-	-	-	-	-	94,017	C.Y. 2021
228,809	265,580	265,580	-	-	-	-	-	39,483	F.Y. 2019
229,880	242,118	242,118	-	-	-	-	-	27,734	F.Y. 2020
25,438	66,081	66,081	-	-	-	-	-	27,734	Q1 2021
124,139	57,146	57,146	-	-	-	-	-	94,727	Q2
27,197	66,695	66,695	-	-	-	-	-	55,228	Q3
96,331	57,542	57,542	-	-	-	-	-	94,017	Q4
16,086	23,896	23,896	-	-	-	-	-	60,566	Jan. 2021
6,321	23,483	23,483	-	-	-	-	-	43,404	Feb.
3,031	18,702	18,702	-	-	-	-	-	27,734	Mar.
7,496	17,409	17,409	-	-	-	-	-	17,820	Apr.
83,431	21,615	21,615	-	-	-	-	-	79,636	May
33,212	18,122	18,122	-	-	-	-	-	94,727	Jun.
12,942	25,572	25,572	-	-	-	-	-	82,096	Jul.
11,405	25,580	25,580	-	-	-	-	-	67,921	Aug.
2,850	15,543	15,543	-	-	-	-	-	55,228	Sep.
5,023	10,624	10,624	-	-	-	-	-	49,627	Oct.
78,816	21,693	21,693	-	-	-	-	-	106,750	Nov.
12,492	25,225	25,225	-	-	-	-	-	94,017	Dec.

再生油(石油由来)		Reproduction oil (Oil origin)						単位 Unit : kl	
-	-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	-	Dec.

非石油系燃料(原油換算)		Non-oil based fuels(Crude petroleum equivalent)							単位 Unit : kl	
年 月	受入 Receipts	消費 Consumption						払出 Shipments	月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	1,425,887	1,431,644	941,026	411,155	79,462	57,884	21,578	3,063	99,519	
30 年	1,397,195	1,417,231	937,106	401,217	78,908	59,308	19,601	-	79,483	
令和 1 年	1,396,264	1,370,645	903,695	382,434	84,517	57,313	27,204	-	106,587	
2 年	1,309,636	1,347,888	864,940	394,087	88,862	54,958	33,904	-	68,328	
3 年	1,534,523	1,466,845	955,550	421,648	89,647	54,546	35,102	-	137,065	
令和 1 年度	1,402,366	1,387,726	906,714	390,041	90,971	58,397	32,574	-	91,038	
2 年度	1,342,496	1,342,802	858,301	398,474	86,027	53,857	32,171	-	91,780	
3 年 1~3月	388,965	366,569	235,736	108,795	22,038	13,032	9,006	-	91,780	
4~6	354,595	371,056	242,009	106,866	22,182	14,440	7,742	-	75,323	
7~9	397,123	386,349	255,801	108,018	22,530	13,397	9,133	-	86,097	
10~12	393,839	342,870	222,004	97,968	22,897	13,677	9,220	-	137,065	
3 年 1月	100,055	123,377	78,033	38,138	7,206	4,314	2,892	-	46,061	
2 月	130,678	114,420	74,556	33,188	6,676	4,051	2,625	-	62,321	
3 月	158,233	128,772	83,147	37,469	8,156	4,667	3,489	-	91,780	
4 月	152,354	147,077	100,057	38,387	8,633	4,715	3,918	-	97,054	
5 月	107,578	116,526	72,936	36,089	7,501	5,071	2,430	-	88,109	
6 月	94,664	107,454	69,016	32,389	6,048	4,654	1,394	-	75,323	
7 月	115,621	130,599	87,359	36,163	7,078	4,229	2,848	-	60,343	
8 月	142,837	129,615	86,437	35,082	8,096	4,587	3,509	-	73,564	
9 月	138,666	126,135	82,004	36,774	7,357	4,581	2,776	-	86,097	
10 月	131,344	115,093	76,075	31,576	7,441	4,393	3,048	-	102,350	
11 月	114,713	109,686	72,282	29,769	7,634	4,559	3,075	-	107,377	
12 月	147,782	118,092	73,647	36,623	7,822	4,724	3,098	-	137,065	

石炭		Coal							単位 Unit : t	
平成 29 年	1,298,119	1,311,487	1,311,487	-	-	-	-	-	148,944	
30 年	1,281,844	1,312,229	1,312,229	-	-	-	-	-	118,560	
令和 1 年	1,298,361	1,259,699	1,259,699	-	-	-	-	-	159,462	
2 年	1,141,202	1,198,443	1,198,443	-	-	-	-	-	102,220	
3 年	1,408,412	1,307,995	1,307,995	-	-	-	-	-	202,637	
令和 1 年度	1,278,543	1,256,527	1,256,527	-	-	-	-	-	136,467	
2 年度	1,195,689	1,196,604	1,196,604	-	-	-	-	-	135,551	
3 年 1~3月	367,008	333,677	333,677	-	-	-	-	-	135,551	
4~6	288,740	313,115	313,115	-	-	-	-	-	111,174	
7~9	367,891	351,984	351,984	-	-	-	-	-	127,083	
10~12	384,773	309,219	309,219	-	-	-	-	-	202,637	
3 年 1月	74,609	109,005	109,005	-	-	-	-	-	67,824	
2 月	130,787	106,655	106,655	-	-	-	-	-	91,956	
3 月	161,612	118,017	118,017	-	-	-	-	-	135,551	
4 月	138,618	130,831	130,831	-	-	-	-	-	143,337	
5 月	80,132	93,347	93,347	-	-	-	-	-	130,121	
6 月	69,990	88,937	88,937	-	-	-	-	-	111,174	
7 月	96,316	118,530	118,530	-	-	-	-	-	88,960	
8 月	136,306	116,710	116,710	-	-	-	-	-	108,556	
9 月	135,269	116,744	116,744	-	-	-	-	-	127,083	
10 月	131,920	107,689	107,689	-	-	-	-	-	151,314	
11 月	107,245	99,827	99,827	-	-	-	-	-	158,732	
12 月	145,608	101,703	101,703	-	-	-	-	-	202,637	

液化天然ガス		Liquefied natural gas							単位 Unit : t	
平成 29 年	17,965	15,827	14,764	-	1,063	1,063	-	2,171	275	
30 年	14,525	14,518	13,362	-	1,156	1,156	-	-	282	
令和 1 年	14,170	14,190	11,479	1,497	1,214	1,214	-	-	262	
2 年	11,739	11,685	9,198	1,748	739	739	-	-	316	
3 年	13,686	13,717	11,555	1,420	742	742	-	-	285	
令和 1 年度	14,056	14,044	10,989	1,813	1,242	1,242	-	-	248	
2 年度	12,030	12,022	9,413	1,899	710	710	-	-	256	
3 年 1~3月	3,797	3,857	3,125	496	236	236	-	-	256	
4~6	3,335	3,347	2,815	301	231	231	-	-	244	
7~9	3,247	3,215	2,601	573	41	41	-	-	276	
10~12	3,307	3,298	3,014	50	234	234	-	-	285	
3 年 1月	1,111	1,201	1,061	55	85	85	-	-	226	
2 月	1,246	1,257	1,058	131	68	68	-	-	215	
3 月	1,440	1,399	1,006	310	83	83	-	-	256	
4 月	1,428	1,411	1,032	301	78	78	-	-	272	
5 月	1,074	1,097	1,022	-	75	75	-	-	250	
6 月	833	839	761	-	78	78	-	-	244	
7 月	1,089	1,088	855	205	28	28	-	-	245	
8 月	1,274	1,270	930	340	-	-	-	-	249	
9 月	884	857	816	28	13	13	-	-	276	
10 月	721	784	712	-	72	72	-	-	213	
11 月	1,153	1,136	1,057	-	79	79	-	-	230	
12 月	1,433	1,378	1,245	50	83	83	-	-	285	

都市ガス(A)		Town gas(A)					単位 Unit : 1000m ³		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	計 Total	直接加熱用 for Direct heating	その他用 for Others	
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation						
		払出 Shipments	月末在庫 Inventory						
458,069	458,069	35,693	354,736	67,640	49,238	18,402	...	C.Y. 2017	
446,561	446,561	34,020	345,461	67,080	50,355	16,725	...	C.Y. 2018	
437,933	437,933	37,175	329,029	71,729	48,592	23,137	...	C.Y. 2019	
457,969	457,969	43,983	337,884	76,102	47,046	29,056	...	C.Y. 2020	
489,555	489,555	51,576	361,258	76,721	46,658	30,063	...	C.Y. 2021	
454,718	454,718	42,549	334,948	77,221	49,469	27,752	...	F.Y. 2019	
453,282	453,282	38,301	341,249	73,732	46,132	27,600	...	F.Y. 2020	
117,622	117,622	5,741	93,093	18,788	11,062	7,726	...	Q1 2021	
134,781	134,781	24,053	91,794	18,934	12,305	6,629	...	Q2	
125,028	125,028	13,432	92,131	19,465	11,645	7,820	...	Q3	
112,124	112,124	8,350	84,240	19,534	11,646	7,888	...	Q4	
41,686	41,686	2,795	32,754	6,137	3,656	2,481	...	Jan. 2021	
35,131	35,131	998	28,435	5,698	3,444	2,254	...	Feb.	
40,805	40,805	1,948	31,904	6,953	3,962	2,991	...	Mar.	
49,552	49,552	9,372	32,818	7,362	4,011	3,351	...	Apr.	
45,190	45,190	7,683	31,098	6,409	4,328	2,081	...	May	
40,039	40,039	6,998	27,878	5,163	3,966	1,197	...	Jun.	
42,522	42,522	5,648	30,791	6,083	3,647	2,436	...	Jul.	
42,540	42,540	5,828	29,694	7,018	4,012	3,006	...	Aug.	
39,966	39,966	1,956	31,646	6,364	3,986	2,378	...	Sep.	
35,753	35,753	2,213	27,180	6,360	3,753	2,607	...	Oct.	
35,194	35,194	3,116	25,568	6,510	3,878	2,632	...	Nov.	
41,177	41,177	3,021	31,492	6,664	4,015	2,649	...	Dec.	

都市ガス(B)		Town gas(B)					単位 Unit : 1000m ³		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	計 Total	直接加熱用 for Direct heating	その他用 for Others	
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation						
		払出 Shipments	月末在庫 Inventory						
497,511	497,505	36,949	387,146	73,410	53,092	20,318	...	C.Y. 2017	
485,332	485,331	34,778	377,788	72,765	54,309	18,456	...	C.Y. 2018	
474,387	474,385	38,303	358,113	77,969	52,354	25,615	...	C.Y. 2019	
497,672	497,667	46,224	368,752	82,691	50,767	31,924	...	C.Y. 2020	
532,308	532,309	53,748	395,136	83,425	50,373	33,052	...	C.Y. 2021	
492,920	492,920	44,055	364,856	84,009	53,337	30,672	...	F.Y. 2019	
492,914	492,905	40,164	372,681	80,060	49,768	30,292	...	F.Y. 2020	
128,135	128,133	5,914	101,782	20,437	11,957	8,480	...	Q1 2021	
146,090	146,095	25,291	100,225	20,579	13,289	7,290	...	Q2	
135,988	135,987	13,879	100,948	21,160	12,560	8,600	...	Q3	
122,095	122,094	8,664	92,181	21,249	12,567	8,682	...	Q4	
45,354	45,352	2,842	35,838	6,672	3,949	2,723	...	Jan. 2021	
38,334	38,336	1,064	31,076	6,196	3,724	2,472	...	Feb.	
44,447	44,445	2,008	34,868	7,569	4,284	3,285	...	Mar.	
53,529	53,528	9,758	35,745	8,025	4,336	3,689	...	Apr.	
48,980	48,983	8,038	33,982	6,963	4,675	2,288	...	May	
43,581	43,584	7,495	30,498	5,591	4,278	1,313	...	Jun.	
46,256	46,254	5,849	33,778	6,627	3,945	2,682	...	Jul.	
46,241	46,241	6,037	32,581	7,623	4,319	3,304	...	Aug.	
43,491	43,492	1,993	34,589	6,910	4,296	2,614	...	Sep.	
38,941	38,942	2,299	29,732	6,911	4,041	2,870	...	Oct.	
38,375	38,375	3,261	28,031	7,083	4,188	2,895	...	Nov.	
44,779	44,777	3,104	34,418	7,255	4,338	2,917	...	Dec.	

RPF		Refuse Paper & Plastic Fuel					単位 Unit : t		Year, Quarter &Month
受入 Receipts	合計 Total	消費 Consumption			ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation	計 Total	直接加熱用 for Direct heating	その他用 for Others	
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation						
		払出 Shipments	月末在庫 Inventory						
13,365	13,235	13,235	-	-	-	-	291	C.Y. 2017	
13,237	13,064	13,064	-	-	-	-	464	C.Y. 2018	
13,534	13,574	13,574	-	-	-	-	424	C.Y. 2019	
8,831	9,255	9,255	-	-	-	-	-	C.Y. 2020	
-	-	-	-	-	-	-	-	C.Y. 2021	
13,192	13,189	13,189	-	-	-	-	83	F.Y. 2019	
5,550	5,633	5,633	-	-	-	-	-	F.Y. 2020	
-	-	-	-	-	-	-	-	Q1 2021	
-	-	-	-	-	-	-	-	Q2	
-	-	-	-	-	-	-	-	Q3	
-	-	-	-	-	-	-	-	Q4	
-	-	-	-	-	-	-	-	Jan. 2021	
-	-	-	-	-	-	-	-	Feb.	
-	-	-	-	-	-	-	-	Mar.	
-	-	-	-	-	-	-	-	Apr.	
-	-	-	-	-	-	-	-	May	
-	-	-	-	-	-	-	-	Jun.	
-	-	-	-	-	-	-	-	Jul.	
-	-	-	-	-	-	-	-	Aug.	
-	-	-	-	-	-	-	-	Sep.	
-	-	-	-	-	-	-	-	Oct.	
-	-	-	-	-	-	-	-	Nov.	
-	-	-	-	-	-	-	-	Dec.	

④ 石油製品工業
合計(原油換算)

Petroleum products industry
Total(Crude petroleum equivalent)

単位 Unit : kl

年 月	受入 Receipts	消費 Consumption						
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			
					計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others
平成 29 年	213,294	14,572,253	4,108,007	2,148,639	8,315,607	971,131	7,007,886	336,590
30	216,834	14,121,088	4,152,345	1,929,467	8,039,275	919,235	6,757,969	362,072
令和 1 年	205,893	13,820,378	4,131,169	1,906,879	7,782,331	887,221	6,539,408	355,702
2	276,918	12,161,800	3,955,010	1,454,892	6,751,898	876,859	5,552,158	322,882
3	260,721	13,139,656	3,732,754	1,837,292	7,569,610	894,393	6,312,782	362,435
令和 1 年度	227,203	13,343,357	4,040,184	1,701,635	7,601,538	917,325	6,340,253	343,960
2	283,058	12,236,579	3,880,022	1,607,345	6,749,212	838,919	5,578,980	331,312
3 年 1~3月	87,632	3,384,301	965,064	513,458	1,905,778	232,681	1,585,149	87,949
4~6	71,263	2,876,490	823,476	399,187	1,653,827	205,956	1,365,818	82,053
7~9	59,396	3,407,913	965,873	468,022	1,974,019	229,053	1,645,856	99,109
10~12	42,429	3,470,952	978,341	456,625	2,035,986	226,703	1,715,959	93,324
3 年 1月	26,892	1,252,746	362,742	185,689	704,316	81,738	586,843	35,734
2	27,628	1,049,145	308,639	157,212	583,294	71,694	484,988	26,612
3	33,112	1,082,409	293,683	170,558	618,169	79,249	513,318	25,602
4	22,329	965,572	257,571	129,165	578,836	71,553	477,545	29,738
5	24,499	960,577	285,518	124,547	550,512	72,049	450,016	28,447
6	24,435	950,340	280,387	145,476	524,478	62,354	438,257	23,867
7	25,937	1,087,580	302,774	155,951	628,855	78,679	514,431	35,745
8	21,264	1,233,856	339,922	176,418	717,516	86,533	594,870	36,114
9	12,194	1,086,478	323,177	135,653	627,647	63,841	536,556	27,250
10	15,259	1,069,773	285,272	156,451	628,050	66,431	532,165	29,454
11	12,161	1,088,688	324,614	120,906	643,168	66,199	548,718	28,251
12	15,009	1,312,491	368,455	179,268	764,768	94,074	635,075	35,619

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

単位 Unit : kl

平成 29 年	-	14,077,022	3,894,998	2,103,191	8,078,833	846,883	6,898,111	333,839
30	-	13,638,034	3,953,954	1,880,026	7,804,055	797,489	6,650,650	355,916
令和 1 年	-	13,464,996	4,033,807	1,859,104	7,572,085	790,372	6,431,334	350,378
2	-	11,594,568	3,714,458	1,374,665	6,505,445	770,925	5,416,520	318,000
3	-	12,615,406	3,518,602	1,769,307	7,327,497	774,003	6,203,006	350,489
令和 1 年度	-	12,939,873	3,909,353	1,645,708	7,384,812	819,661	6,227,034	338,117
2	-	11,671,250	3,651,463	1,525,515	6,494,272	726,032	5,443,010	325,229
3 年 1~3月	-	3,233,178	915,747	490,853	1,826,578	194,774	1,546,987	84,817
4~6	-	2,748,611	771,298	380,021	1,597,293	175,421	1,342,314	79,558
7~9	-	3,272,674	905,383	451,163	1,916,127	196,509	1,624,080	95,538
10~12	-	3,360,943	926,174	447,270	1,987,500	207,299	1,689,626	90,575
3 年 1月	-	1,202,768	344,512	177,905	680,350	71,279	574,492	34,579
2	-	1,005,615	295,975	149,808	559,833	61,622	472,572	25,639
3	-	1,024,795	275,260	163,140	586,395	61,873	499,923	24,599
4	-	927,123	245,135	123,531	558,457	60,761	468,858	28,837
5	-	917,289	265,910	117,578	533,801	61,266	444,378	28,157
6	-	904,199	260,253	138,912	505,035	53,394	429,077	22,564
7	-	1,032,862	278,869	148,869	605,123	65,876	505,191	34,057
8	-	1,185,663	318,254	170,518	696,891	74,231	587,988	34,672
9	-	1,054,148	308,260	131,776	614,112	56,402	530,901	26,809
10	-	1,035,764	271,662	153,266	610,836	59,181	522,972	28,683
11	-	1,057,128	310,392	118,058	628,678	60,709	540,706	27,263
12	-	1,268,051	344,120	175,945	747,986	87,408	625,948	34,629

ガソリン

Gasoline

単位 Unit : kl

平成 29 年	...	312	...	...	312	...	...	312
30	...	262	...	...	262	...	...	262
令和 1 年	...	247	...	...	247	...	...	247
2	...	233	...	...	233	...	...	233
3	...	186	...	...	186	...	...	186
令和 1 年度	...	237	...	...	237	...	...	237
2	...	221	...	...	221	...	...	221
3 年 1~3月	...	46	...	...	46	...	...	46
4~6	...	49	...	...	49	...	...	49
7~9	...	46	...	...	46	...	...	46
10~12	...	45	...	...	45	...	...	45
3 年 1月	...	11	...	...	11	...	...	11
2	...	17	...	...	17	...	...	17
3	...	18	...	...	18	...	...	18
4	...	17	...	...	17	...	...	17
5	...	17	...	...	17	...	...	17
6	...	15	...	...	15	...	...	15
7	...	17	...	...	17	...	...	17
8	...	18	...	...	18	...	...	18
9	...	11	...	...	11	...	...	11
10	...	18	...	...	18	...	...	18
11	...	9	...	...	9	...	...	9
12	...	18	...	...	18	...	...	18

ナフサ		Naphtha						単位 Unit : kl	
受入 Receipts	消費 Consumption							Year, Quarter &Month	
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others		
...	188,278	-	2,687	185,591	155,428	30,163	-	C.Y. 2017	
...	153,222	-	1,928	151,294	124,184	27,110	-	C.Y. 2018	
...	146,646	-	2,909	143,737	122,538	21,199	-	C.Y. 2019	
...	161,089	-	3,821	157,268	133,786	23,482	-	C.Y. 2020	
...	176,412	46	1,264	175,102	146,395	28,707	-	C.Y. 2021	
...	146,366	-	2,397	143,969	123,025	20,944	-	F.Y. 2019	
...	155,437	-	3,981	151,456	127,109	24,347	-	F.Y. 2020	
...	47,604	-	462	47,142	40,319	6,823	-	Q1 2021	
...	19,206	46	36	19,124	12,304	6,820	-	Q2	
...	42,499	-	344	42,155	35,034	7,121	-	Q3	
...	67,103	-	422	66,681	58,738	7,943	-	Q4	
...	21,646	-	146	21,500	19,572	1,928	-	Jan. 2021	
...	13,755	-	122	13,633	11,355	2,278	-	Feb.	
...	12,203	-	194	12,009	9,392	2,617	-	Mar.	
...	5,000	-	-	5,000	2,535	2,465	-	Apr.	
...	7,181	-	18	7,163	4,766	2,397	-	May	
...	7,025	46	18	6,961	5,003	1,958	-	Jun.	
...	8,231	-	215	8,016	5,670	2,346	-	Jul.	
...	17,412	-	97	17,315	15,092	2,223	-	Aug.	
...	16,856	-	32	16,824	14,272	2,552	-	Sep.	
...	18,692	-	79	18,613	16,673	1,940	-	Oct.	
...	19,971	-	-	19,971	17,329	2,642	-	Nov.	
...	28,440	-	343	28,097	24,736	3,361	-	Dec.	
灯油		Kerosene						単位 Unit : kl	
...	39,026	11,351	27,016	659	4	507	148	C.Y. 2017	
...	65,860	5,949	59,324	587	2	434	151	C.Y. 2018	
...	51,805	9,053	42,199	553	-	471	82	C.Y. 2019	
...	221,894	32,762	187,774	1,358	-	1,269	89	C.Y. 2020	
...	118,127	1,751	114,994	1,382	-	456	926	C.Y. 2021	
...	58,134	15,700	41,910	524	-	438	86	F.Y. 2019	
...	257,267	24,024	231,829	1,414	-	1,318	96	F.Y. 2020	
...	50,703	946	49,552	205	-	169	36	Q1 2021	
...	10,666	216	10,317	133	-	105	28	Q2	
...	29,650	126	28,657	867	-	73	794	Q3	
...	27,108	463	26,468	177	-	109	68	Q4	
...	25,202	84	25,012	106	-	99	7	Jan. 2021	
...	16,627	787	15,815	25	-	21	4	Feb.	
...	8,874	75	8,725	74	-	49	25	Mar.	
...	1,732	80	1,613	39	-	33	6	Apr.	
...	5,065	26	5,002	37	-	31	6	May	
...	3,869	110	3,702	57	-	41	16	Jun.	
...	11,852	59	11,444	349	-	32	317	Jul.	
...	11,982	40	11,443	499	-	32	467	Aug.	
...	5,816	27	5,770	19	-	9	10	Sep.	
...	14,172	61	14,060	51	-	47	4	Oct.	
...	3,513	343	3,081	89	-	34	55	Nov.	
...	9,423	59	9,327	37	-	28	9	Dec.	
軽油		Gas oil						単位 Unit : kl	
...	3,217	-	-	3,217	-	1,984	1,233	C.Y. 2017	
...	4,525	-	-	4,525	-	3,831	694	C.Y. 2018	
...	1,748	-	-	1,748	-	1,081	667	C.Y. 2019	
...	3,657	-	3,067	590	-	45	545	C.Y. 2020	
...	2,987	-	-	2,987	-	2,399	588	C.Y. 2021	
...	1,754	-	-	1,754	-	1,126	628	F.Y. 2019	
...	3,622	-	3,067	555	-	-	555	F.Y. 2020	
...	133	-	-	133	-	-	133	Q1 2021	
...	2,352	-	-	2,352	-	2,202	150	Q2	
...	154	-	-	154	-	1	153	Q3	
...	348	-	-	348	-	196	152	Q4	
...	30	-	-	30	-	-	30	Jan. 2021	
...	46	-	-	46	-	-	46	Feb.	
...	57	-	-	57	-	-	57	Mar.	
...	45	-	-	45	-	-	45	Apr.	
...	804	-	-	804	-	752	52	May	
...	1,503	-	-	1,503	-	1,450	53	Jun.	
...	57	-	-	57	-	-	57	Jul.	
...	46	-	-	46	-	1	45	Aug.	
...	51	-	-	51	-	-	51	Sep.	
...	33	-	-	33	-	-	33	Oct.	
...	53	-	-	53	-	-	53	Nov.	
...	262	-	-	262	-	196	66	Dec.	

重油計		Heavy fuel oil total						単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption							
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
平成 29 年	...	1,583,310	1,322,353	31,058	229,899	-	217,713	12,186	
30	...	1,616,086	1,358,841	24,778	232,467	-	220,314	12,153	
令和 1 年	...	1,579,068	1,312,941	27,086	239,041	-	227,948	11,093	
2	...	1,586,772	1,352,001	13,039	221,732	-	205,406	16,326	
3	...	1,584,851	1,269,674	35,978	279,199	-	252,897	26,302	
令和 1 年度	...	1,549,013	1,307,799	18,180	223,034	-	210,098	12,936	
2	...	1,629,535	1,366,941	25,115	237,479	-	218,857	18,622	
3 年 1~3月	...	468,352	377,286	14,421	76,645	-	69,818	6,827	
4~6	...	351,550	287,298	8,353	55,899	-	48,254	7,645	
7~9	...	365,181	290,031	4,960	70,190	-	62,965	7,225	
10~12	...	399,768	315,059	8,244	76,465	-	71,860	4,605	
3 年 1月	...	168,359	138,190	3,517	26,652	-	24,854	1,798	
2	...	142,910	113,815	4,141	24,954	-	22,479	2,475	
3	...	157,083	125,281	6,763	25,039	-	22,485	2,554	
4	...	140,956	118,627	2,321	20,008	-	17,335	2,673	
5	...	116,792	95,042	3,327	18,423	-	15,892	2,531	
6	...	93,802	73,629	2,705	17,468	-	15,027	2,441	
7	...	126,427	100,201	1,811	24,415	-	19,264	5,151	
8	...	119,994	95,859	2,290	21,845	-	20,825	1,020	
9	...	118,760	93,971	859	23,930	-	22,876	1,054	
10	...	131,935	99,339	4,498	28,098	-	26,594	1,504	
11	...	134,275	109,310	2,026	22,939	-	21,321	1,618	
12	...	133,558	106,410	1,720	25,428	-	23,945	1,483	

A重油		Heavy fuel oil A						単位 Unit : kl	
平成 29 年	...	37,051	19,841	10,764	6,446	-	5,289	1,157	
30	...	28,962	14,012	7,946	7,004	-	5,165	1,839	
令和 1 年	...	31,822	17,386	7,669	6,767	-	5,556	1,211	
2	...	47,737	22,974	9,270	15,493	-	10,601	4,892	
3	...	152,706	86,697	20,796	45,213	-	39,171	6,042	
令和 1 年度	...	28,068	16,742	4,534	6,792	-	4,844	1,948	
2	...	70,933	29,339	15,095	26,499	-	20,947	5,552	
3 年 1~3月	...	28,819	9,730	6,500	12,589	-	10,934	1,655	
4~6	...	26,351	9,937	6,607	9,807	-	7,347	2,460	
7~9	...	42,779	30,314	1,710	10,755	-	10,252	503	
10~12	...	54,757	36,716	5,979	12,062	-	10,638	1,424	
3 年 1月	...	8,601	2,651	2,632	3,318	-	2,887	431	
2	...	11,274	3,932	2,632	4,710	-	4,035	675	
3	...	8,944	3,147	1,236	4,561	-	4,012	549	
4	...	8,389	3,946	2,234	2,209	-	1,604	605	
5	...	9,518	2,670	3,171	3,677	-	2,974	703	
6	...	8,444	3,321	1,202	3,921	-	2,769	1,152	
7	...	9,212	4,834	143	4,235	-	4,141	94	
8	...	15,926	10,439	1,216	4,271	-	4,159	112	
9	...	17,641	15,041	351	2,249	-	1,952	297	
10	...	19,681	11,231	3,604	4,846	-	4,380	466	
11	...	21,948	15,762	2,026	4,160	-	3,631	529	
12	...	13,128	9,723	349	3,056	-	2,627	429	

B・C重油		Heavy fuel oil B・C						単位 Unit : kl	
平成 29 年	...	1,546,259	1,302,512	20,294	223,453	-	212,424	11,029	
30	...	1,587,124	1,344,829	16,832	225,463	-	215,149	10,314	
令和 1 年	...	1,547,246	1,295,555	19,417	232,274	-	222,392	9,882	
2	...	1,539,035	1,329,027	3,769	206,239	-	194,805	11,434	
3	...	1,432,145	1,182,977	15,182	233,986	-	213,726	20,260	
令和 1 年度	...	1,520,945	1,291,057	13,646	216,242	-	205,254	10,988	
2	...	1,558,602	1,337,602	10,020	210,980	-	197,910	13,070	
3 年 1~3月	...	439,533	367,556	7,921	64,056	-	58,884	5,172	
4~6	...	325,199	277,361	1,746	46,092	-	40,907	5,185	
7~9	...	322,402	259,717	3,250	59,435	-	52,713	6,722	
10~12	...	345,011	278,343	2,265	64,403	-	61,222	3,181	
3 年 1月	...	159,758	135,539	885	23,334	-	21,967	1,367	
2	...	131,636	109,883	1,509	20,244	-	18,444	1,800	
3	...	148,139	122,134	5,527	20,478	-	18,473	2,005	
4	...	132,567	114,681	87	17,799	-	15,731	2,068	
5	...	107,274	92,372	156	14,746	-	12,918	1,828	
6	...	85,358	70,308	1,503	13,547	-	12,258	1,289	
7	...	117,215	95,367	1,668	20,180	-	15,123	5,057	
8	...	104,068	85,420	1,074	17,574	-	16,666	908	
9	...	101,119	78,930	508	21,681	-	20,924	757	
10	...	112,254	88,108	894	23,252	-	22,214	1,038	
11	...	112,327	93,548	-	18,779	-	17,690	1,089	
12	...	120,430	96,687	1,371	22,372	-	21,318	1,054	

炭化水素油		Hydrocarbon oil				単位 Unit : kl				Year, Quarter &Month
受入	合計	消費			Consumption					
		ボイラ用	コージェネレーション用	ボイラ用及びコージェネレーション用以外に使用したもの	計	原料用	直接加熱用	その他用		
Receipts	Total	for Boilers	for Co-generation	for purposes other than boilers and co-generation					Total	Materials	for Direct heating	for Others
...	67,198	67,198	-	-	-	-	-	-	C.Y. 2017	
...	119,891	119,891	-	-	-	-	-	-	C.Y. 2018	
...	136,940	136,940	-	-	-	-	-	-	C.Y. 2019	
...	120,523	120,523	-	-	-	-	-	-	C.Y. 2020	
...	89,493	89,493	-	-	-	-	-	-	C.Y. 2021	
...	136,989	136,989	-	-	-	-	-	-	F.Y. 2019	
...	100,258	100,258	-	-	-	-	-	-	F.Y. 2020	
...	19,366	19,366	-	-	-	-	-	-	Q1 2021	
...	37	37	-	-	-	-	-	-	Q2	
...	30,918	30,918	-	-	-	-	-	-	Q3	
...	39,172	39,172	-	-	-	-	-	-	Q4	
...	13,158	13,158	-	-	-	-	-	-	Jan. 2021	
...	5,818	5,818	-	-	-	-	-	-	Feb.	
...	390	390	-	-	-	-	-	-	Mar.	
...	37	37	-	-	-	-	-	-	Apr.	
...	-	-	-	-	-	-	-	-	May	
...	-	-	-	-	-	-	-	-	Jun.	
...	4,542	4,542	-	-	-	-	-	-	Jul.	
...	13,201	13,201	-	-	-	-	-	-	Aug.	
...	13,175	13,175	-	-	-	-	-	-	Sep.	
...	13,863	13,863	-	-	-	-	-	-	Oct.	
...	12,772	12,772	-	-	-	-	-	-	Nov.	
...	12,537	12,537	-	-	-	-	-	-	Dec.	

液化石油ガス		Liquefied petroleum gas				単位 Unit : t				Year, Quarter &Month
受入	合計	消費			Consumption					
		ボイラ用	コージェネレーション用	ボイラ用及びコージェネレーション用以外に使用したもの	計	原料用	直接加熱用	その他用		
Receipts	Total	for Boilers	for Co-generation	for purposes other than boilers and co-generation					Total	Materials	for Direct heating	for Others
...	390,000	7,417	126,015	256,568	221,685	34,674	209	C.Y. 2017		
...	408,540	6,531	126,837	275,172	234,780	40,352	40	C.Y. 2018		
...	400,800	7,725	131,289	261,786	218,100	43,632	54	C.Y. 2019		
...	342,211	8,726	92,410	241,075	197,417	43,649	9	C.Y. 2020		
...	297,116	5,499	111,691	179,926	139,736	40,164	26	C.Y. 2021		
...	417,274	8,645	131,439	277,190	229,934	47,205	51	F.Y. 2019		
...	305,646	7,639	87,602	210,405	167,903	42,489	13	F.Y. 2020		
...	71,247	1,496	27,851	41,900	31,377	10,518	5	Q1 2021		
...	69,996	1,557	30,643	37,796	27,786	9,992	18	Q2		
...	79,191	1,447	29,362	48,382	38,159	10,220	3	Q3		
...	76,682	999	23,835	51,848	42,414	9,434	-	Q4		
...	27,019	509	8,868	17,642	14,001	3,641	-	Jan. 2021		
...	20,737	467	8,184	12,086	8,671	3,411	4	Feb.		
...	23,491	520	10,799	12,172	8,705	3,466	1	Mar.		
...	24,801	503	10,013	14,285	11,108	3,177	-	Apr.		
...	23,557	523	10,138	12,896	8,779	4,100	17	May		
...	21,638	531	10,492	10,615	7,899	2,715	1	Jun.		
...	24,685	530	10,816	13,339	9,163	4,175	1	Jul.		
...	29,197	535	10,368	18,294	13,878	4,415	1	Aug.		
...	25,309	382	8,178	16,749	15,118	1,630	1	Sep.		
...	18,917	2	5,246	13,669	10,967	2,702	-	Oct.		
...	22,479	407	8,386	13,686	10,326	3,360	-	Nov.		
...	35,286	590	10,203	24,493	21,121	3,372	-	Dec.		

石油系炭化水素ガス		Hydrocarbon gas				単位 Unit : 1000m ³				Year, Quarter &Month
受入	合計	消費			Consumption					
		ボイラ用	コージェネレーション用	ボイラ用及びコージェネレーション用以外に使用したもの	計	原料用	直接加熱用	その他用		
Receipts	Total	for Boilers	for Co-generation	for purposes other than boilers and co-generation					Total	Materials	for Direct heating	for Others
...	8,733,555	1,325,809	1,091,257	6,316,489	362,812	5,678,869	274,808	C.Y. 2017		
...	8,395,208	1,354,639	959,661	6,080,908	328,805	5,457,513	294,590	C.Y. 2018		
...	8,121,235	1,278,750	944,494	5,897,991	342,776	5,264,373	290,842	C.Y. 2019		
...	6,973,322	1,134,860	829,496	5,008,966	340,998	4,409,529	258,439	C.Y. 2020		
...	7,115,245	1,146,617	929,032	5,039,596	354,474	4,441,625	243,497	C.Y. 2021		
...	7,828,346	1,211,407	882,998	5,733,941	354,267	5,101,034	278,640	F.Y. 2019		
...	6,876,189	1,162,727	857,981	4,855,481	329,136	4,271,741	254,604	F.Y. 2020		
...	1,764,704	277,092	235,882	1,251,730	90,650	1,102,380	58,700	Q1 2021		
...	1,601,523	275,011	211,202	1,115,310	97,784	963,463	54,063	Q2		
...	1,870,640	311,818	237,555	1,321,267	88,755	1,166,624	65,888	Q3		
...	1,878,378	282,696	244,393	1,351,289	77,285	1,209,158	64,846	Q4		
...	653,792	101,705	88,951	463,136	27,555	410,825	24,756	Jan. 2021		
...	540,468	82,114	74,562	383,792	30,828	335,551	17,413	Feb.		
...	570,444	93,273	72,369	404,802	32,267	356,004	16,531	Mar.		
...	547,228	76,129	80,972	390,127	33,540	336,910	19,677	Apr.		
...	545,249	99,937	73,124	372,188	34,754	318,173	19,261	May		
...	509,046	98,945	57,106	352,995	29,490	308,380	15,125	Jun.		
...	587,641	101,614	65,256	420,771	37,285	362,141	21,345	Jul.		
...	681,092	110,144	89,472	481,476	32,841	423,535	25,100	Aug.		
...	601,907	100,060	82,827	419,020	18,629	380,948	19,443	Sep.		
...	582,700	87,312	80,279	415,109	23,248	371,341	20,520	Oct.		
...	600,995	91,500	77,597	431,898	24,609	387,982	19,307	Nov.		
...	694,683	103,884	86,517	504,282	29,428	449,835	25,019	Dec.		

オイルコークス			Petroleum coke				単位 Unit : t			
年 月	受入 Receipts	消費 Consumption								
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	...	353,536	353,536	-	-	-	-	-	-	
30	...	532,503	532,503	-	-	-	-	-	-	
令和 1 年	...	595,237	595,237	-	-	-	-	-	-	
2	...	453,321	453,321	-	-	-	-	-	-	
3	...	502,762	502,762	-	-	-	-	-	-	
令和 1 年度	...	460,795	460,795	-	-	-	-	-	-	
2	...	532,033	532,033	-	-	-	-	-	-	
3 年 1~3月	...	99,605	99,605	-	-	-	-	-	-	
4~6	...	106,798	106,798	-	-	-	-	-	-	
7~9	...	152,337	152,337	-	-	-	-	-	-	
10~12	...	144,022	144,022	-	-	-	-	-	-	
3 年 1月	...	47,401	47,401	-	-	-	-	-	-	
2	...	45,567	45,567	-	-	-	-	-	-	
3	...	6,637	6,637	-	-	-	-	-	-	
4	...	17,207	17,207	-	-	-	-	-	-	
5	...	36,089	36,089	-	-	-	-	-	-	
6	...	53,502	53,502	-	-	-	-	-	-	
7	...	31,106	31,106	-	-	-	-	-	-	
8	...	61,708	61,708	-	-	-	-	-	-	
9	...	59,523	59,523	-	-	-	-	-	-	
10	...	29,386	29,386	-	-	-	-	-	-	
11	...	49,674	49,674	-	-	-	-	-	-	
12	...	64,962	64,962	-	-	-	-	-	-	

アスファルト			Asphalt				単位 Unit : t			
平成 29 年	...	1,108,030	529,997	578,033	-	-	-	-	-	
30	...	825,675	337,485	488,190	-	-	-	-	-	
令和 1 年	...	967,703	476,011	491,692	-	-	-	-	-	
2	...	478,362	390,219	88,143	-	-	-	-	-	
3	...	350,543	105,221	245,322	-	-	-	-	-	
令和 1 年度	...	895,218	528,531	366,687	-	-	-	-	-	
2	...	331,857	210,579	121,278	-	-	-	-	-	
3 年 1~3月	...	113,178	34,110	79,068	-	-	-	-	-	
4~6	...	47,267	4,954	42,313	-	-	-	-	-	
7~9	...	83,187	17,840	65,347	-	-	-	-	-	
10~12	...	106,911	48,317	58,594	-	-	-	-	-	
3 年 1月	...	27,266	6,092	21,174	-	-	-	-	-	
2	...	38,906	17,953	20,953	-	-	-	-	-	
3	...	47,006	10,065	36,941	-	-	-	-	-	
4	...	1,360	1,360	-	-	-	-	-	-	
5	...	-	-	-	-	-	-	-	-	
6	...	45,907	3,594	42,313	-	-	-	-	-	
7	...	39,512	4,733	34,779	-	-	-	-	-	
8	...	27,868	2,782	25,086	-	-	-	-	-	
9	...	15,807	10,325	5,482	-	-	-	-	-	
10	...	32,154	10,130	22,024	-	-	-	-	-	
11	...	15,607	15,607	-	-	-	-	-	-	
12	...	59,150	22,580	36,570	-	-	-	-	-	

再生油(石油由来)			Reproduction oil (Oil origin)				単位 Unit : kl			
平成 29 年	-	-	-	-	-	-	-	-	-	
30	-	-	-	-	-	-	-	-	-	
令和 1 年	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	-	
令和 1 年度	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	
3 年 1~3月	-	-	-	-	-	-	-	-	-	
4~6	-	-	-	-	-	-	-	-	-	
7~9	-	-	-	-	-	-	-	-	-	
10~12	-	-	-	-	-	-	-	-	-	
3 年 1月	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	

非石油系燃料(原油換算)

Non-oil based fuels(Crude petroleum equivalent)

単位 Unit : kl

受入 Receipts	消費 Consumption							Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
				計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
213,294	495,231	213,009	45,448	236,774	124,247	109,775	2,751	C.Y. 2017
216,834	483,053	198,391	49,442	235,220	121,746	107,319	6,156	C.Y. 2018
205,893	355,382	97,362	47,774	210,246	96,849	108,074	5,323	C.Y. 2019
276,918	567,231	240,552	80,227	246,453	105,933	135,638	4,882	C.Y. 2020
260,721	524,250	214,152	67,985	242,113	120,390	109,776	11,946	C.Y. 2021
227,203	403,485	130,831	55,928	216,727	97,664	113,219	5,843	F.Y. 2019
283,058	565,328	228,559	81,830	254,940	112,887	135,970	6,083	F.Y. 2020
87,632	151,123	49,318	22,605	79,200	37,906	38,162	3,132	Q1 2021
71,263	127,878	52,178	19,166	56,534	30,535	23,505	2,495	Q2
59,396	135,240	60,490	16,858	57,892	32,544	21,776	3,571	Q3
42,429	110,009	52,167	9,356	48,486	19,405	26,333	2,748	Q4
26,892	49,979	18,230	7,784	23,965	10,459	12,352	1,155	Jan. 2021
27,628	43,530	12,665	7,404	23,461	10,072	12,416	973	Feb.
33,112	57,615	18,423	7,418	31,774	17,375	13,395	1,004	Mar.
22,329	38,449	12,436	5,634	20,379	10,791	8,687	901	Apr.
24,499	43,288	19,608	6,968	16,711	10,783	5,638	290	May
24,435	46,141	20,134	6,564	19,443	8,960	9,180	1,304	Jun.
25,937	54,718	23,905	7,081	23,731	12,803	9,240	1,689	Jul.
21,264	48,192	21,668	5,900	20,625	12,302	6,882	1,442	Aug.
12,194	32,330	14,917	3,877	13,535	7,440	5,655	441	Sep.
15,259	34,009	13,610	3,184	17,214	7,250	9,194	771	Oct.
12,161	31,560	14,222	2,848	14,490	5,490	8,012	988	Nov.
15,009	44,440	24,335	3,323	16,782	6,665	9,127	990	Dec.

石炭

Coal

単位 Unit : t

-	303,131	303,131	-	-	-	-	-	C.Y. 2017
-	276,990	276,990	-	-	-	-	-	C.Y. 2018
-	120,864	120,864	-	-	-	-	-	C.Y. 2019
-	328,788	328,788	-	-	-	-	-	C.Y. 2020
-	289,854	289,854	-	-	-	-	-	C.Y. 2021
-	170,828	170,828	-	-	-	-	-	F.Y. 2019
-	303,592	303,592	-	-	-	-	-	F.Y. 2020
-	60,156	60,156	-	-	-	-	-	Q1 2021
-	72,385	72,385	-	-	-	-	-	Q2
-	83,567	83,567	-	-	-	-	-	Q3
-	73,746	73,746	-	-	-	-	-	Q4
-	22,189	22,189	-	-	-	-	-	Jan. 2021
-	14,667	14,667	-	-	-	-	-	Feb.
-	23,300	23,300	-	-	-	-	-	Mar.
-	16,660	16,660	-	-	-	-	-	Apr.
-	27,859	27,859	-	-	-	-	-	May
-	27,866	27,866	-	-	-	-	-	Jun.
-	32,929	32,929	-	-	-	-	-	Jul.
-	29,946	29,946	-	-	-	-	-	Aug.
-	20,692	20,692	-	-	-	-	-	Sep.
-	18,967	18,967	-	-	-	-	-	Oct.
-	20,145	20,145	-	-	-	-	-	Nov.
-	34,634	34,634	-	-	-	-	-	Dec.

天然ガス

Natural gas

単位 Unit : 1000m³

-	71,737	2,169	-	69,568	28,528	38,816	2,224	C.Y. 2017
-	73,198	3,497	-	69,701	26,408	40,652	2,641	C.Y. 2018
-	61,588	3,851	-	57,737	19,029	35,905	2,803	C.Y. 2019
-	68,410	4,047	-	64,363	19,594	41,432	3,337	C.Y. 2020
-	61,962	2,044	-	59,918	22,263	34,447	3,208	C.Y. 2021
-	60,287	3,982	-	56,305	17,519	35,506	3,280	F.Y. 2019
-	71,685	4,116	-	67,569	23,787	40,670	3,112	F.Y. 2020
-	20,871	836	-	20,035	9,776	9,275	984	Q1 2021
-	7,100	310	-	6,790	2,223	4,154	413	Q2
-	17,744	655	-	17,089	5,807	10,242	1,040	Q3
-	16,247	243	-	16,004	4,457	10,776	771	Q4
-	7,396	247	-	7,149	3,334	3,485	330	Jan. 2021
-	5,472	231	-	5,241	2,537	2,394	310	Feb.
-	8,003	358	-	7,645	3,905	3,396	344	Mar.
-	4,448	172	-	4,276	1,619	2,403	254	Apr.
-	-	-	-	-	-	-	-	May
-	2,652	138	-	2,514	604	1,751	159	Jun.
-	5,985	288	-	5,697	1,920	3,429	348	Jul.
-	6,130	198	-	5,932	2,118	3,458	356	Aug.
-	5,629	169	-	5,460	1,769	3,355	336	Sep.
-	5,425	137	-	5,288	1,484	3,531	273	Oct.
-	5,293	28	-	5,265	1,461	3,566	238	Nov.
-	5,529	78	-	5,451	1,512	3,679	260	Dec.

液化天然ガス			Liquefied natural gas					単位 Unit : t			
年 月	受入 Receipts	消費 Consumption									
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
					計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	147,953	147,952	3,410	32,213	112,329	65,337	46,883	109			
30	150,273	150,272	4,107	35,044	111,121	65,253	43,679	2,189			
令和 1 年	142,486	142,485	5,675	33,862	102,948	53,485	47,996	1,467			
2	192,937	189,447	9,252	56,864	123,331	59,474	63,130	727			
3	181,233	181,233	8,439	48,099	124,695	67,878	50,902	5,915			
令和 1 年度	157,595	154,103	5,775	39,641	108,687	55,266	51,961	1,460			
2	197,215	197,216	12,154	57,971	127,091	61,206	64,106	1,779			
3 年 1~3月	61,061	61,061	4,615	15,993	40,453	19,223	19,793	1,437			
4~6	49,667	49,667	1,394	13,560	34,713	19,876	13,402	1,435			
7~9	41,301	41,300	1,702	11,927	27,671	18,513	7,449	1,709			
10~12	29,204	29,205	728	6,619	21,858	10,266	10,258	1,334			
3 年 1月	18,690	18,690	1,789	5,507	11,394	4,809	6,031	554			
2	19,263	19,263	1,502	5,238	12,523	5,155	6,924	444			
3	23,108	23,108	1,324	5,248	16,536	9,259	6,838	439			
4	15,530	15,530	448	3,986	11,096	6,377	4,279	440			
5	17,079	17,079	331	4,930	11,818	7,629	3,989	200			
6	17,058	17,058	615	4,644	11,799	5,870	5,134	795			
7	18,122	18,122	750	5,010	12,362	7,566	3,873	923			
8	14,801	14,801	649	4,174	9,978	7,058	2,182	738			
9	8,378	8,377	303	2,743	5,331	3,889	1,394	48			
10	10,536	10,536	218	2,253	8,065	3,976	3,761	328			
11	8,331	8,331	159	2,015	6,157	2,749	2,898	510			
12	10,337	10,338	351	2,351	7,636	3,541	3,599	496			

都市ガス(A)			Town gas(A)					単位 Unit : 1000m ³			
平成 29 年	3,914	3,914	3,832	-	82	...	-	82			
30	4,145	4,145	4,060	-	85	...	-	85			
令和 1 年	4,184	4,184	4,096	-	88	...	-	88			
2	4,054	4,054	3,962	-	92	...	-	92			
3	3,920	3,920	3,865	-	55	...	-	55			
令和 1 年度	4,179	4,179	4,096	-	83	...	-	83			
2	4,008	4,008	3,923	-	85	...	-	85			
3 年 1~3月	1,141	1,141	1,123	-	18	...	-	18			
4~6	913	913	902	-	11	...	-	11			
7~9	876	876	864	-	12	...	-	12			
10~12	990	990	976	-	14	...	-	14			
3 年 1月	408	408	400	-	8	...	-	8			
2	345	345	340	-	5	...	-	5			
3	388	388	383	-	5	...	-	5			
4	325	325	325	-	-	...	-	-			
5	308	308	302	-	6	...	-	6			
6	280	280	275	-	5	...	-	5			
7	278	278	276	-	2	...	-	2			
8	295	295	289	-	6	...	-	6			
9	303	303	299	-	4	...	-	4			
10	315	315	309	-	6	...	-	6			
11	332	332	327	-	5	...	-	5			
12	343	343	340	-	3	...	-	3			

都市ガス(B)			Town gas(B)					単位 Unit : 1000m ³			
平成 29 年	4,288	4,288	4,196	-	92	...	-	92			
30	4,539	4,539	4,446	-	93	...	-	93			
令和 1 年	4,582	4,582	4,485	-	97	...	-	97			
2	4,437	4,437	4,338	-	99	...	-	99			
3	4,293	4,293	4,234	-	59	...	-	59			
令和 1 年度	4,576	4,576	4,485	-	91	...	-	91			
2	4,387	4,387	4,296	-	91	...	-	91			
3 年 1~3月	1,249	1,249	1,230	-	19	...	-	19			
4~6	1,000	1,000	988	-	12	...	-	12			
7~9	960	960	947	-	13	...	-	13			
10~12	1,084	1,084	1,069	-	15	...	-	15			
3 年 1月	447	447	438	-	9	...	-	9			
2	378	378	373	-	5	...	-	5			
3	424	424	419	-	5	...	-	5			
4	356	356	356	-	-	...	-	-			
5	338	338	331	-	7	...	-	7			
6	306	306	301	-	5	...	-	5			
7	304	304	302	-	2	...	-	2			
8	324	324	317	-	7	...	-	7			
9	332	332	328	-	4	...	-	4			
10	346	346	339	-	7	...	-	7			
11	363	363	358	-	5	...	-	5			
12	375	375	372	-	3	...	-	3			

廃プラスチック Waste plastic		消費 Consumption						単位 Unit : t	
受入 Receipts	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				Year, Quarter &Month	
				計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others		
-	-	-	-	-	-	-	-	C.Y. 2017	
-	-	-	-	-	-	-	-	C.Y. 2018	
-	-	-	-	-	-	-	-	C.Y. 2019	
-	-	-	-	-	-	-	-	C.Y. 2020	
-	-	-	-	-	-	-	-	C.Y. 2021	
-	-	-	-	-	-	-	-	F.Y. 2019	
-	-	-	-	-	-	-	-	F.Y. 2020	
-	-	-	-	-	-	-	-	Q1 2021	
-	-	-	-	-	-	-	-	Q2	
-	-	-	-	-	-	-	-	Q3	
-	-	-	-	-	-	-	-	Q4	
-	-	-	-	-	-	-	-	Jan. 2021	
-	-	-	-	-	-	-	-	Feb.	
-	-	-	-	-	-	-	-	Mar.	
-	-	-	-	-	-	-	-	Apr.	
-	-	-	-	-	-	-	-	May	
-	-	-	-	-	-	-	-	Jun.	
-	-	-	-	-	-	-	-	Jul.	
-	-	-	-	-	-	-	-	Aug.	
-	-	-	-	-	-	-	-	Sep.	
-	-	-	-	-	-	-	-	Oct.	
-	-	-	-	-	-	-	-	Nov.	
-	-	-	-	-	-	-	-	Dec.	

RPF Refuse Paper & Plastic Fuel		単位 Unit : t						
-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	Dec.

C.Y. 2017
C.Y. 2018
C.Y. 2019
C.Y. 2020
C.Y. 2021
F.Y. 2019
F.Y. 2020
Q1 2021
Q2
Q3
Q4
Jan. 2021
Feb.
Mar.
Apr.
May
Jun.
Jul.
Aug.
Sep.
Oct.
Nov.
Dec.

⑤ ガラス製品工業
合計(原油換算)

Glass products industry
Total(Crude petroleum equivalent)

単位 Unit : kl

年 月	受入 Receipts	消 費 Consumption						払出 Shipments	月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	528,785	528,457	7,752	33,229	487,476	478,316	9,161	550	6,359
30	491,613	492,778	7,040	32,588	453,150	443,512	9,638	673	4,486
令和 1 年	454,370	453,981	6,724	27,799	419,457	408,089	11,369	599	4,026
2	402,514	402,503	5,625	20,087	376,791	368,620	8,171	603	3,403
3	394,613	393,397	4,559	29,573	359,265	351,988	7,277	605	4,051
令和 1 年度	446,689	446,081	6,639	22,994	416,448	405,307	11,141	558	4,208
2	390,109	390,367	5,178	23,227	361,962	354,845	7,117	680	3,222
3 年 1~3月	92,563	92,410	1,180	6,693	84,537	82,641	1,897	322	3,222
4~6	98,026	97,291	1,198	6,883	89,211	87,488	1,722	97	3,861
7~9	101,933	101,590	890	7,540	93,160	91,428	1,732	51	4,152
10~12	102,091	102,106	1,292	8,457	92,357	90,431	1,926	133	4,051
3 年 1月	31,567	31,509	422	2,388	28,699	27,988	711	130	3,321
2	29,877	29,834	367	2,041	27,427	26,819	608	117	3,248
3	31,119	31,067	391	2,265	28,412	27,833	578	76	3,222
4	32,060	31,476	500	1,734	29,242	28,694	547	50	3,755
5	33,324	32,920	353	2,620	29,947	29,373	574	27	4,133
6	32,642	32,896	344	2,529	30,022	29,421	601	20	3,861
7	33,400	33,851	300	2,678	30,873	30,255	618	17	3,393
8	34,893	34,246	303	2,516	31,428	30,875	552	17	4,024
9	33,640	33,493	287	2,346	30,860	30,297	562	17	4,152
10	33,770	33,992	382	2,550	31,060	30,431	629	23	3,904
11	34,239	34,112	411	3,229	30,472	29,839	633	45	4,035
12	34,081	34,001	500	2,878	30,824	30,161	663	65	4,051

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

単位 Unit : kl

平成 29 年	113,765	113,422	145	87	113,190	112,588	603	550	6,331
30	81,641	82,810	111	153	82,546	81,917	629	673	4,452
令和 1 年	63,288	62,891	41	45	62,805	62,180	625	599	3,996
2	62,917	62,909	26	3,394	59,490	58,865	624	603	3,371
3	50,894	49,682	23	210	49,449	48,838	611	605	4,018
令和 1 年度	61,752	61,145	34	74	61,038	60,453	584	558	4,175
2	57,048	57,307	22	3,522	53,763	53,061	702	680	3,191
3 年 1~3月	9,927	9,773	6	157	9,611	9,303	308	322	3,191
4~6	14,404	13,664	6	5	13,653	13,551	102	97	3,834
7~9	13,790	13,458	6	37	13,415	13,358	56	51	4,117
10~12	12,772	12,787	6	11	12,770	12,625	145	133	4,018
3 年 1月	3,550	3,482	2	147	3,333	3,172	161	130	3,298
2	3,097	3,059	2	5	3,052	2,973	79	117	3,220
3	3,280	3,233	2	5	3,226	3,159	67	76	3,191
4	4,696	4,110	2	-	4,108	4,056	52	50	3,726
5	5,337	4,930	2	-	4,928	4,900	27	27	4,106
6	4,372	4,624	2	5	4,617	4,595	22	20	3,834
7	4,165	4,621	2	19	4,600	4,582	17	17	3,363
8	5,324	4,685	2	10	4,673	4,654	19	17	3,986
9	4,301	4,152	2	8	4,142	4,122	20	17	4,117
10	4,070	4,278	2	8	4,268	4,236	32	23	3,886
11	4,366	4,250	2	1	4,247	4,204	43	45	4,005
12	4,336	4,259	2	2	4,255	4,186	69	65	4,018

ガソリン

Gasoline

単位 Unit : kl

平成 29 年	-	-	...	...	-	...	-	-	-
30	-	-	...	...	-	...	-	-	-
令和 1 年	-	-	...	...	-	...	-	-	-
2	-	-	...	...	-	...	-	-	-
3	-	-	...	...	-	...	-	-	-
令和 1 年度	-	-	...	...	-	...	-	-	-
2	-	-	...	...	-	...	-	-	-
3 年 1~3月	-	-	...	...	-	...	-	-	-
4~6	-	-	...	...	-	...	-	-	-
7~9	-	-	...	...	-	...	-	-	-
10~12	-	-	...	...	-	...	-	-	-
3 年 1月	-	-	...	...	-	...	-	-	-
2	-	-	...	...	-	...	-	-	-
3	-	-	...	...	-	...	-	-	-
4	-	-	...	...	-	...	-	-	-
5	-	-	...	...	-	...	-	-	-
6	-	-	...	...	-	...	-	-	-
7	-	-	...	...	-	...	-	-	-
8	-	-	...	...	-	...	-	-	-
9	-	-	...	...	-	...	-	-	-
10	-	-	...	...	-	...	-	-	-
11	-	-	...	...	-	...	-	-	-
12	-	-	...	...	-	...	-	-	-

灯油		Kerosene					単位 Unit : kl				
受入 Receipts	消費 Consumption					払出 Shipments	月末在庫 Inventory	Year, Quarter &Month			
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
				計 Total	直接加熱用 for Direct heating					その他用 for Others	
657	754	50	-	704	652	52	-	117	C.Y.	2017	
186	170	47	-	123	63	60	48	83	C.Y.	2018	
163	155	36	-	119	56	63	-	90	C.Y.	2019	
190	189	27	-	162	127	35	22	70	C.Y.	2020	
117	107	24	-	83	40	43	20	65	C.Y.	2021	
173	168	36	-	132	84	48	-	84	F.Y.	2019	
167	146	23	-	123	87	36	40	66	F.Y.	2020	
63	49	6	-	43	18	25	18	66	Q1	2021	
13	16	6	-	10	5	5	-	63	Q2		
15	13	6	-	7	5	2	-	68	Q3		
26	29	6	-	23	12	11	2	65	Q4		
33	20	2	-	18	8	10	16	67	Jan.	2021	
16	16	2	-	14	6	8	1	66	Feb.		
14	13	2	-	11	4	7	1	66	Mar.		
7	8	2	-	6	3	3	-	65	Apr.		
3	5	2	-	3	1	2	-	63	May		
3	3	2	-	1	1	-	-	63	Jun.		
4	5	2	-	3	3	-	-	62	Jul.		
3	5	2	-	3	1	2	-	62	Aug.		
8	3	2	-	1	1	-	-	68	Sep.		
3	5	2	-	3	3	-	-	66	Oct.		
7	9	2	-	7	3	4	-	66	Nov.		
16	15	2	-	13	6	7	2	65	Dec.		

軽油		Gas oil					単位 Unit : kl				
38	38	-	-	38	12	26	-	-	C.Y.	2017	
39	39	-	-	39	12	27	-	-	C.Y.	2018	
34	34	-	-	34	12	22	-	-	C.Y.	2019	
45	35	-	-	35	19	16	11	-	C.Y.	2020	
46	33	-	-	33	21	12	13	-	C.Y.	2021	
34	34	-	-	34	12	22	-	-	F.Y.	2019	
51	38	-	-	38	25	13	14	-	F.Y.	2020	
15	12	-	-	12	9	3	3	-	Q1	2021	
9	6	-	-	6	3	3	3	-	Q2		
12	8	-	-	8	5	3	4	-	Q3		
10	7	-	-	7	4	3	3	-	Q4		
8	7	-	-	7	6	1	1	-	Jan.	2021	
3	2	-	-	2	1	1	1	-	Feb.		
4	3	-	-	3	2	1	1	-	Mar.		
3	2	-	-	2	1	1	1	-	Apr.		
3	2	-	-	2	1	1	1	-	May		
3	2	-	-	2	1	1	1	-	Jun.		
3	2	-	-	2	1	1	1	-	Jul.		
5	3	-	-	3	2	1	2	-	Aug.		
4	3	-	-	3	2	1	1	-	Sep.		
3	2	-	-	2	1	1	1	-	Oct.		
3	2	-	-	2	1	1	1	-	Nov.		
4	3	-	-	3	2	1	1	-	Dec.		

重油計		Heavy fuel oil total					単位 Unit : kl				
86,741	85,912	-	86	85,826	85,319	507	540	5,518	C.Y.	2017	
68,242	69,258	-	151	69,107	68,581	526	617	3,891	C.Y.	2018	
52,276	51,807	-	45	51,762	51,239	523	593	3,524	C.Y.	2019	
52,848	52,835	-	3,359	49,476	48,922	554	566	2,937	C.Y.	2020	
42,161	41,011	-	209	40,802	40,259	543	570	3,545	C.Y.	2021	
50,897	50,234	-	73	50,161	49,666	495	552	3,687	F.Y.	2019	
47,892	48,053	-	3,487	44,566	43,931	635	624	2,866	F.Y.	2020	
8,057	7,826	-	156	7,670	7,394	276	301	2,866	Q1	2021	
12,132	11,525	-	5	11,520	11,430	90	94	3,379	Q2		
11,466	11,146	-	37	11,109	11,059	50	47	3,649	Q3		
10,506	10,514	-	11	10,503	10,376	127	128	3,545	Q4		
2,881	2,808	-	146	2,662	2,513	149	113	2,897	Jan.	2021	
2,544	2,438	-	5	2,433	2,364	69	114	2,889	Feb.		
2,632	2,580	-	5	2,575	2,517	58	74	2,866	Mar.		
3,928	3,395	-	-	3,395	3,348	47	49	3,350	Apr.		
4,554	4,252	-	-	4,252	4,229	23	26	3,626	May		
3,650	3,878	-	5	3,873	3,853	20	19	3,379	Jun.		
3,436	3,841	-	19	3,822	3,806	16	16	2,959	Jul.		
4,498	3,900	-	10	3,890	3,875	15	15	3,539	Aug.		
3,532	3,405	-	8	3,397	3,378	19	16	3,649	Sep.		
3,356	3,537	-	8	3,529	3,499	30	22	3,446	Oct.		
3,580	3,484	-	1	3,483	3,446	37	44	3,530	Nov.		
3,570	3,493	-	2	3,491	3,431	60	62	3,545	Dec.		

A重油			Heavy fuel oil A						単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						払出 Shipments	月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	6,068	5,735	-	86	5,649	5,142	507	540	1,099	
30 年	4,615	4,115	-	151	3,964	3,438	526	563	1,037	
令和 1 年	4,300	3,731	-	45	3,686	3,163	523	593	912	
2 年	9,538	8,907	-	3,359	5,548	4,994	554	566	976	
3 年	3,857	3,337	-	209	3,128	2,585	543	570	952	
令和 1 年度	3,711	3,187	-	73	3,114	2,619	495	552	852	
2 年	9,767	9,058	-	3,487	5,571	4,936	635	624	936	
3 年 1~3月	1,316	1,055	-	156	899	623	276	301	936	
4~6	910	850	-	5	845	755	90	94	902	
7~9	694	697	-	37	660	610	50	47	846	
10~12	937	735	-	11	724	597	127	128	952	
3 年 1月	556	513	-	146	367	218	149	113	906	
2 月	440	263	-	5	258	189	69	114	969	
3 月	320	279	-	5	274	216	58	74	936	
4 月	360	270	-	-	270	223	47	49	977	
5 月	238	337	-	-	337	314	23	26	852	
6 月	312	243	-	5	238	218	20	19	902	
7 月	236	246	-	19	227	211	16	16	876	
8 月	226	229	-	10	219	204	15	15	853	
9 月	232	222	-	8	214	195	19	16	846	
10 月	263	236	-	8	228	198	30	22	851	
11 月	260	247	-	1	246	209	37	44	852	
12 月	414	252	-	2	250	190	60	62	952	

B・C重油			Heavy fuel oil B・C						単位 Unit : kl	
平成 29 年	80,673	80,177	-	-	80,177	80,177	-	-	4,419	
30 年	63,627	65,143	-	-	65,143	65,143	-	54	2,854	
令和 1 年	47,976	48,076	-	-	48,076	48,076	-	-	2,612	
2 年	43,310	43,928	-	-	43,928	43,928	-	-	1,961	
3 年	38,304	37,674	-	-	37,674	37,674	-	-	2,593	
令和 1 年度	47,186	47,047	-	-	47,047	47,047	-	-	2,835	
2 年	38,125	38,995	-	-	38,995	38,995	-	-	1,930	
3 年 1~3月	6,741	6,771	-	-	6,771	6,771	-	-	1,930	
4~6	11,222	10,675	-	-	10,675	10,675	-	-	2,477	
7~9	10,772	10,449	-	-	10,449	10,449	-	-	2,803	
10~12	9,569	9,779	-	-	9,779	9,779	-	-	2,593	
3 年 1月	2,325	2,295	-	-	2,295	2,295	-	-	1,991	
2 月	2,104	2,175	-	-	2,175	2,175	-	-	1,920	
3 月	2,312	2,301	-	-	2,301	2,301	-	-	1,930	
4 月	3,568	3,125	-	-	3,125	3,125	-	-	2,373	
5 月	4,316	3,915	-	-	3,915	3,915	-	-	2,774	
6 月	3,338	3,635	-	-	3,635	3,635	-	-	2,477	
7 月	3,200	3,595	-	-	3,595	3,595	-	-	2,083	
8 月	4,272	3,671	-	-	3,671	3,671	-	-	2,686	
9 月	3,300	3,183	-	-	3,183	3,183	-	-	2,803	
10 月	3,093	3,301	-	-	3,301	3,301	-	-	2,595	
11 月	3,320	3,237	-	-	3,237	3,237	-	-	2,678	
12 月	3,156	3,241	-	-	3,241	3,241	-	-	2,593	

液化石油ガス			Liquefied petroleum gas						単位 Unit : t	
平成 29 年	11,611	11,980	74	-	11,906	11,894	12	3	100	
30 年	2,752	2,773	51	-	2,722	2,711	11	-	45	
令和 1 年	1,805	1,830	5	-	1,825	1,813	12	-	21	
2 年	1,169	1,177	-	-	1,177	1,165	12	-	14	
3 年	549	561	-	-	561	551	10	-	15	
令和 1 年度	1,709	1,723	-	-	1,723	1,710	13	-	27	
2 年	859	873	-	-	873	861	12	-	14	
3 年 1~3月	127	128	-	-	128	125	3	-	14	
4~6	136	136	-	-	136	133	3	-	14	
7~9	153	153	-	-	153	152	1	-	14	
10~12	133	144	-	-	144	141	3	-	15	
3 年 1月	42	42	-	-	42	41	1	-	14	
2 月	50	50	-	-	50	49	1	-	14	
3 月	35	36	-	-	36	35	1	-	14	
4 月	46	44	-	-	44	43	1	-	15	
5 月	53	54	-	-	54	53	1	-	14	
6 月	37	38	-	-	38	37	1	-	14	
7 月	51	51	-	-	51	51	-	-	14	
8 月	49	50	-	-	50	49	1	-	14	
9 月	53	52	-	-	52	52	-	-	14	
10 月	37	38	-	-	38	37	1	-	13	
11 月	50	59	-	-	59	58	1	-	15	
12 月	46	47	-	-	47	46	1	-	15	

再生油(石油由来)		Reproduction oil(Oil origin)					単位 Unit : kl			
受入 Receipts	消費 Consumption					払出 Shipments	月末在庫 Inventory	Year, Quarter &Month		
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total	直接加熱用 for Direct heating					その他用 for Others
4,226	4,181	-	-	4,181	4,181	-	-	187	C.Y. 2017	
4,104	4,124	-	-	4,124	4,124	-	-	170	C.Y. 2018	
4,278	4,321	-	-	4,321	4,321	-	-	129	C.Y. 2019	
4,458	4,420	-	-	4,420	4,420	-	-	170	C.Y. 2020	
4,600	4,598	-	-	4,598	4,598	-	-	173	C.Y. 2021	
4,308	4,365	-	-	4,365	4,365	-	-	125	F.Y. 2019	
4,422	4,467	-	-	4,467	4,467	-	-	82	F.Y. 2020	
1,044	1,132	-	-	1,132	1,132	-	-	82	Q1 2021	
1,128	1,042	-	-	1,042	1,042	-	-	168	Q2	
1,188	1,206	-	-	1,206	1,206	-	-	151	Q3	
1,240	1,218	-	-	1,218	1,218	-	-	173	Q4	
372	392	-	-	392	392	-	-	150	Jan. 2021	
288	350	-	-	350	350	-	-	88	Feb.	
384	390	-	-	390	390	-	-	82	Mar.	
396	382	-	-	382	382	-	-	96	Apr.	
348	275	-	-	275	275	-	-	169	May	
384	385	-	-	385	385	-	-	168	Jun.	
384	402	-	-	402	402	-	-	150	Jul.	
396	402	-	-	402	402	-	-	145	Aug.	
408	402	-	-	402	402	-	-	151	Sep.	
396	404	-	-	404	404	-	-	143	Oct.	
428	403	-	-	403	403	-	-	168	Nov.	
416	411	-	-	411	411	-	-	173	Dec.	

非石油系燃料(原油換算)		Non-oil based fuels(Crude petroleum equivalent)					単位 Unit : kl			
415,020	415,035	7,607	33,142	374,286	365,728	8,558	-	28	C.Y. 2017	
409,972	409,968	6,928	32,435	370,605	361,595	9,009	-	34	C.Y. 2018	
391,082	391,089	6,684	27,754	356,652	345,909	10,743	-	30	C.Y. 2019	
339,597	339,594	5,599	16,694	317,302	309,754	7,547	-	32	C.Y. 2020	
343,720	343,716	4,536	29,363	309,816	303,150	6,666	-	33	C.Y. 2021	
384,937	384,935	6,604	22,921	355,410	344,853	10,557	-	32	F.Y. 2019	
333,062	333,060	5,156	19,705	308,199	301,785	6,415	-	31	F.Y. 2020	
82,637	82,637	1,174	6,536	74,926	73,338	1,589	-	31	Q1 2021	
83,622	83,628	1,192	6,878	75,557	73,937	1,620	-	27	Q2	
88,142	88,133	884	7,502	79,746	78,070	1,676	-	35	Q3	
89,319	89,319	1,286	8,446	79,586	77,806	1,781	-	33	Q4	
28,017	28,027	420	2,241	25,366	24,817	549	-	23	Jan. 2021	
26,781	26,775	365	2,036	24,375	23,846	528	-	28	Feb.	
27,839	27,835	389	2,260	25,186	24,675	511	-	31	Mar.	
27,364	27,366	499	1,734	25,133	24,639	495	-	30	Apr.	
27,988	27,990	351	2,620	25,019	24,472	547	-	27	May	
28,270	28,271	343	2,524	25,405	24,826	578	-	27	Jun.	
29,235	29,230	298	2,659	26,273	25,673	601	-	30	Jul.	
29,570	29,561	301	2,506	26,755	26,221	533	-	38	Aug.	
29,338	29,341	285	2,338	26,718	26,175	542	-	35	Sep.	
29,700	29,714	380	2,542	26,792	26,195	597	-	18	Oct.	
29,873	29,862	409	3,228	26,225	25,635	590	-	30	Nov.	
29,745	29,743	498	2,676	26,569	25,975	594	-	33	Dec.	

天然ガス		Natural gas					単位 Unit : 1000m ³			
-	-	-	-	-	-	-	-	-	C.Y. 2017	
-	-	-	-	-	-	-	-	-	C.Y. 2018	
-	-	-	-	-	-	-	-	-	C.Y. 2019	
-	-	-	-	-	-	-	-	-	C.Y. 2020	
-	-	-	-	-	-	-	-	-	C.Y. 2021	
-	-	-	-	-	-	-	-	-	F.Y. 2019	
-	-	-	-	-	-	-	-	-	F.Y. 2020	
-	-	-	-	-	-	-	-	-	Q1 2021	
-	-	-	-	-	-	-	-	-	Q2	
-	-	-	-	-	-	-	-	-	Q3	
-	-	-	-	-	-	-	-	-	Q4	
-	-	-	-	-	-	-	-	-	Jan. 2021	
-	-	-	-	-	-	-	-	-	Feb.	
-	-	-	-	-	-	-	-	-	Mar.	
-	-	-	-	-	-	-	-	-	Apr.	
-	-	-	-	-	-	-	-	-	May	
-	-	-	-	-	-	-	-	-	Jun.	
-	-	-	-	-	-	-	-	-	Jul.	
-	-	-	-	-	-	-	-	-	Aug.	
-	-	-	-	-	-	-	-	-	Sep.	
-	-	-	-	-	-	-	-	-	Oct.	
-	-	-	-	-	-	-	-	-	Nov.	
-	-	-	-	-	-	-	-	-	Dec.	

液化天然ガス		Liquefied natural gas						単位 Unit : t		
年 月	受入 Receipts	消費 Consumption						払出 Shipments	月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
					計 Total	直接加熱用 for Direct heating	その他用 for Others			
平成 29 年	61,867	61,878	265	4,485	57,128	57,128	-	-	20	
30 年	61,785	61,782	264	4,523	56,995	56,995	-	-	24	
令和 1 年	72,370	72,375	256	4,317	67,802	67,802	-	-	21	
2 年	75,560	75,558	290	4,243	71,025	71,025	-	-	23	
3 年	69,269	69,266	291	4,568	64,407	64,407	-	-	23	
令和 1 年度	74,607	74,606	260	4,366	69,980	69,980	-	-	23	
2 年	75,688	75,687	298	4,100	71,289	71,289	-	-	22	
3 年	1~3月	18,487	18,487	79	910	17,498	17,498	-	-	22
	4~6	16,660	16,664	72	1,067	15,525	15,525	-	-	19
	7~9	17,163	17,156	70	1,034	16,052	16,052	-	-	25
	10~12	16,959	16,959	70	1,557	15,332	15,332	-	-	23
3 年	1月	6,338	6,345	28	210	6,107	6,107	-	-	16
	2	6,166	6,162	25	318	5,819	5,819	-	-	20
	3	5,983	5,980	26	382	5,572	5,572	-	-	22
	4	5,400	5,401	25	297	5,079	5,079	-	-	21
	5	5,536	5,538	24	378	5,136	5,136	-	-	19
	6	5,724	5,725	23	392	5,310	5,310	-	-	19
	7	5,787	5,784	23	378	5,383	5,383	-	-	21
	8	5,860	5,854	24	389	5,441	5,441	-	-	27
	9	5,516	5,518	23	267	5,228	5,228	-	-	25
	10	5,589	5,599	24	387	5,188	5,188	-	-	13
	11	5,717	5,709	23	812	4,874	4,874	-	-	21
	12	5,653	5,651	23	358	5,270	5,270	-	-	23

都市ガス(A)		Town gas(A)						単位 Unit : 1000m ³	
平成 29 年	284,344	284,344	6,246	23,060	255,038	247,648	7,390	...	...
30 年	280,290	280,290	5,664	22,406	252,220	244,442	7,778	...	...
令和 1 年	250,972	250,972	5,462	18,630	226,880	217,626	9,254	...	...
2 年	202,529	202,529	4,494	9,208	188,827	182,306	6,521	...	...
3 年	213,333	213,333	3,567	19,699	190,067	184,304	5,763	...	...
令和 1 年度	243,053	243,053	5,391	14,414	223,248	214,154	9,094	...	...
2 年	196,513	196,513	4,100	11,969	180,444	174,897	5,547	...	...
3 年	1~3月	49,051	49,051	919	4,515	43,617	42,243	1,374	...
	4~6	52,136	52,136	942	4,618	46,576	45,175	1,401	...
	7~9	55,445	55,445	680	5,195	49,570	48,121	1,449	...
	10~12	56,701	56,701	1,026	5,371	50,304	48,765	1,539	...
3 年	1月	16,538	16,538	329	1,672	14,537	14,062	475	...
	2	15,675	15,675	285	1,364	14,026	13,569	457	...
	3	16,838	16,838	305	1,479	15,054	14,612	442	...
	4	17,129	17,129	400	1,130	15,599	15,171	428	...
	5	17,498	17,498	274	1,794	15,430	14,957	473	...
	6	17,509	17,509	268	1,694	15,547	15,047	500	...
	7	18,281	18,281	230	1,827	16,224	15,705	519	...
	8	18,475	18,475	231	1,682	16,562	16,101	461	...
	9	18,689	18,689	219	1,686	16,784	16,315	469	...
	10	18,917	18,917	299	1,716	16,902	16,386	516	...
	11	18,909	18,909	325	1,789	16,795	16,285	510	...
	12	18,875	18,875	402	1,866	16,607	16,094	513	...

都市ガス(B)		Town gas(B)						単位 Unit : 1000m ³	
平成 29 年	308,597	308,597	6,811	25,248	276,537	268,479	8,058	...	...
30 年	303,953	303,953	6,173	24,532	273,247	264,764	8,483	...	...
令和 1 年	272,104	272,104	5,953	20,398	245,753	235,637	10,116	...	...
2 年	219,388	219,388	4,887	10,082	204,419	197,312	7,107	...	...
3 年	231,458	231,458	3,884	21,569	206,005	199,729	6,277	...	...
令和 1 年度	263,346	263,346	5,873	15,782	241,690	231,749	9,941	...	...
2 年	213,019	213,019	4,459	13,105	195,455	189,415	6,040	...	...
3 年	1~3月	53,207	53,207	1,000	4,943	47,263	45,767	1,496	...
	4~6	56,566	56,566	1,027	5,057	50,483	48,957	1,526	...
	7~9	60,153	60,153	740	5,688	53,725	52,147	1,578	...
	10~12	61,532	61,532	1,118	5,881	54,534	52,857	1,677	...
3 年	1月	17,946	17,946	358	1,831	15,757	15,240	517	...
	2	17,010	17,010	310	1,493	15,207	14,709	498	...
	3	18,251	18,251	332	1,619	16,299	15,818	481	...
	4	18,579	18,579	436	1,237	16,906	16,440	466	...
	5	18,985	18,985	298	1,964	16,723	16,208	515	...
	6	19,001	19,001	292	1,855	16,854	16,310	545	...
	7	19,826	19,826	250	2,000	17,575	17,009	565	...
	8	20,044	20,044	251	1,842	17,951	17,449	502	...
	9	20,284	20,284	238	1,846	18,200	17,689	511	...
	10	20,527	20,527	326	1,879	18,323	17,761	562	...
	11	20,520	20,520	354	1,959	18,207	17,651	556	...
	12	20,485	20,485	438	2,043	18,004	17,445	559	...

廃プラスチック		Waste plastic					単位 Unit : t			
受入 Receipts	消費 Consumption						払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total	直接加熱用 for Direct heating	その他用 for Others				
-	-	-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	-	-	Dec.

RPF		Refuse Paper & Plastic Fuel					単位 Unit : t			
-	-	-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	-	-	Dec.

C.Y. 2017
C.Y. 2018
C.Y. 2019
C.Y. 2020
C.Y. 2021
F.Y. 2019
F.Y. 2020
Q1 2021
Q2
Q3
Q4
Jan. 2021
Feb.
Mar.
Apr.
May
Jun.
Jul.
Aug.
Sep.
Oct.
Nov.
Dec.

⑥ 化学工業
 合計(原油換算)

Chemical industry
 Total(Crude petroleum equivalent)

年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			ネット Net	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	71,439,764	7,893,837	71,588,745	79,344,115	7,690,705	2,032,853
30	69,226,156	8,005,831	67,804,087	75,690,086	7,657,867	1,086,313
令和 1 年	69,036,333	7,942,859	68,091,239	75,913,414	7,673,783	1,171,286
2	61,514,409	7,128,511	61,277,010	68,302,161	7,288,308	1,075,392
3	64,254,574	6,926,088	64,814,124	71,642,610	7,774,580	1,290,439
令和 1 年度	67,711,802	7,787,102	66,805,133	74,472,432	7,673,127	1,172,207
2	61,119,461	7,099,501	61,220,763	68,221,400	7,299,487	1,102,521
3 年 1~3月	15,777,073	1,795,608	16,038,130	17,812,181	1,956,014	320,924
4~6	15,398,184	1,815,289	15,173,063	16,962,676	1,770,448	339,005
7~9	16,324,921	1,678,402	16,417,663	18,070,804	2,010,179	315,220
10~12	16,754,396	1,636,789	17,185,268	18,796,950	2,037,939	315,290
3 年 1月	5,471,616	617,257	5,637,765	6,245,786	683,321	118,161
2	5,036,683	572,818	4,944,545	5,512,072	627,396	95,571
3	5,268,775	605,534	5,455,821	6,054,322	645,297	107,192
4	5,252,049	602,495	5,349,643	5,943,486	658,486	110,435
5	5,281,788	622,652	5,162,904	5,777,232	593,154	118,302
6	4,864,347	590,142	4,660,516	5,241,958	518,808	110,269
7	5,091,417	585,221	5,099,230	5,675,340	652,973	101,283
8	5,642,427	557,615	5,621,884	6,170,442	685,784	105,947
9	5,591,076	535,566	5,696,549	6,225,022	671,422	107,990
10	5,618,778	559,933	5,686,220	6,237,677	659,102	96,712
11	5,537,754	533,916	5,564,874	6,090,788	680,141	105,645
12	5,597,864	542,941	5,934,174	6,468,485	698,696	112,932

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

平成 29 年	56,874,174	...	64,032,639	2,998,803	1,427,267
30	54,089,562	...	60,121,025	2,885,088	519,931
令和 1 年	54,338,658	...	60,631,563	2,953,275	604,740
2	47,992,976	...	54,016,679	2,783,637	502,217
3	50,154,852	...	56,926,570	3,001,089	635,231
令和 1 年度	53,287,413	...	59,345,209	2,956,530	606,008
2	47,638,159	...	53,898,850	2,803,646	516,700
3 年 1~3月	12,349,292	...	14,045,334	742,351	163,381
4~6	11,831,438	...	13,278,742	669,318	160,162
7~9	12,692,091	...	14,390,440	773,140	151,419
10~12	13,282,032	...	15,212,055	816,281	160,269
3 年 1月	4,421,747	...	4,946,352	266,655	60,278
2	3,847,570	...	4,305,336	241,477	49,864
3	4,079,974	...	4,793,646	234,218	53,239
4	4,121,664	...	4,651,373	230,600	54,202
5	4,003,787	...	4,539,370	247,949	54,896
6	3,705,988	...	4,087,998	190,768	51,064
7	3,970,493	...	4,450,626	254,709	50,608
8	4,415,183	...	4,926,659	256,184	51,926
9	4,306,415	...	5,013,154	262,247	48,884
10	4,438,861	...	5,052,557	267,437	51,334
11	4,358,770	...	4,930,875	277,601	56,892
12	4,484,401	...	5,228,623	271,243	52,044

原油

Crude petroleum

平成 29 年	24,104	...	24,206	-	-
30	24,376	...	24,048	-	-
令和 1 年	8,555	...	9,651	-	-
2	-	...	67	-	-
3	-	...	-	-	-
令和 1 年度	1,701	...	3,009	-	-
2	-	...	-	-	-
3 年 1~3月	-	...	-	-	-
4~6	-	...	-	-	-
7~9	-	...	-	-	-
10~12	-	...	-	-	-
3 年 1月	-	...	-	-	-
2	-	...	-	-	-
3	-	...	-	-	-
4	-	...	-	-	-
5	-	...	-	-	-
6	-	...	-	-	-
7	-	...	-	-	-
8	-	...	-	-	-
9	-	...	-	-	-
10	-	...	-	-	-
11	-	...	-	-	-
12	-	...	-	-	-

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
69,620,557	61,677,069	7,434,283	509,200	8,130,265	2,563,152	C.Y.	2017
66,945,905	59,064,038	7,330,788	551,092	8,043,042	2,959,749	C.Y.	2018
67,068,345	59,217,122	7,337,318	513,906	8,095,341	2,905,122	C.Y.	2019
59,938,461	52,668,017	6,802,488	467,962	7,279,844	2,610,871	C.Y.	2020
62,577,591	54,470,834	7,562,657	544,097	7,011,084	2,529,421	C.Y.	2021
65,627,098	57,921,126	7,199,956	506,023	7,974,569	2,823,199	F.Y.	2019
59,819,392	52,420,172	6,924,800	474,422	7,248,771	2,440,118	F.Y.	2020
15,535,243	13,560,565	1,842,616	132,062	1,822,022	2,440,118	Q1	2021
14,853,222	12,908,672	1,814,553	129,994	1,857,118	2,505,308	Q2	
15,745,405	13,703,068	1,900,710	141,623	1,728,300	2,542,193	Q3	
16,443,721	14,298,529	2,004,777	140,418	1,603,643	2,529,421	Q4	
5,444,305	4,752,698	643,158	48,449	613,232	2,511,134	Jan.	2021
4,789,106	4,184,391	565,455	39,258	569,595	2,625,078	Feb.	
5,301,833	4,623,475	634,003	44,355	639,196	2,440,118	Mar.	
5,174,565	4,491,183	637,206	46,174	610,425	2,382,809	Apr.	
5,065,777	4,390,099	635,045	40,632	608,110	2,525,726	May	
4,612,880	4,027,390	542,302	43,188	638,583	2,505,308	Jun.	
4,921,084	4,273,715	600,129	47,240	616,548	2,474,246	Jul.	
5,378,711	4,689,095	642,981	46,634	591,532	2,549,302	Aug.	
5,445,610	4,740,259	657,600	47,748	520,220	2,542,193	Sep.	
5,481,863	4,775,376	657,670	48,816	527,335	2,579,021	Oct.	
5,305,002	4,601,818	658,235	44,951	539,023	2,715,629	Nov.	
5,656,857	4,921,335	688,872	46,650	537,284	2,529,421	Dec.	

単位 Unit : kl

59,606,569	53,593,628	5,562,572	450,369	803,607	822,492	C.Y.	2017
56,716,007	50,808,611	5,421,741	485,656	689,825	1,038,365	C.Y.	2018
57,073,548	51,147,662	5,469,320	456,567	804,701	936,382	C.Y.	2019
50,730,825	45,291,834	5,055,301	383,690	562,766	933,377	C.Y.	2020
53,290,250	46,999,599	5,808,385	482,266	620,827	914,050	C.Y.	2021
55,782,671	49,992,448	5,361,062	429,161	765,554	1,013,463	F.Y.	2019
50,578,505	44,979,463	5,189,281	409,760	601,388	942,545	F.Y.	2020
13,139,603	11,613,171	1,409,104	117,327	168,441	942,545	Q1	2021
12,449,262	10,958,679	1,377,666	112,917	190,156	977,340	Q2	
13,465,881	11,891,197	1,450,217	124,467	146,067	963,019	Q3	
14,235,505	12,536,552	1,571,397	127,555	116,163	914,050	Q4	
4,619,419	4,086,597	489,824	42,998	60,010	1,002,996	Jan.	2021
4,013,995	3,547,684	431,732	34,579	51,873	1,065,773	Feb.	
4,506,189	3,978,891	487,549	39,750	56,558	942,545	Mar.	
4,366,572	3,841,246	486,386	38,939	51,696	1,000,316	Apr.	
4,236,525	3,719,227	482,413	34,885	63,860	1,026,569	May	
3,846,166	3,398,206	408,867	39,093	74,600	977,340	Jun.	
4,145,309	3,653,441	450,437	41,431	61,413	1,021,789	Jul.	
4,618,549	4,085,996	491,862	40,692	69,084	1,078,658	Aug.	
4,702,022	4,151,759	507,919	42,344	15,570	963,019	Sep.	
4,733,787	4,177,300	512,225	44,262	12,638	961,899	Oct.	
4,596,383	4,037,726	516,748	41,908	49,331	1,031,474	Nov.	
4,905,336	4,321,526	542,424	41,385	54,193	914,050	Dec.	

単位 Unit : kl

24,206	24,206	-	-	-	1,048	C.Y.	2017
24,048	24,048	-	-	-	1,375	C.Y.	2018
9,651	9,651	-	-	-	278	C.Y.	2019
67	67	-	-	-	210	C.Y.	2020
-	-	-	-	-	210	C.Y.	2021
3,009	3,009	-	-	-	210	F.Y.	2019
-	-	-	-	-	210	F.Y.	2020
-	-	-	-	-	210	Q1	2021
-	-	-	-	-	210	Q2	
-	-	-	-	-	210	Q3	
-	-	-	-	-	210	Q4	
-	-	-	-	-	210	Jan.	2021
-	-	-	-	-	210	Feb.	
-	-	-	-	-	210	Mar.	
-	-	-	-	-	210	Apr.	
-	-	-	-	-	210	May	
-	-	-	-	-	210	Jun.	
-	-	-	-	-	210	Jul.	
-	-	-	-	-	210	Aug.	
-	-	-	-	-	210	Sep.	
-	-	-	-	-	210	Oct.	
-	-	-	-	-	210	Nov.	
-	-	-	-	-	210	Dec.	

NGL・コンデンセート			Natural gas liquids・Condensate			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	256,415	...	280,905	3,865	-	
30	225,764	...	227,858	3,630	-	
令和 1 年	57,136	...	57,124	3,112	-	
2	3,323	...	3,327	3,327	-	
3	123,614	...	123,541	304	-	
令和 1 年度	57,203	...	57,215	3,203	-	
2	2,448	...	2,509	2,509	-	
3 年 1~3月	226	...	304	304	-	
4~6	-	...	-	-	-	
7~9	37,026	...	5,857	-	-	
10~12	86,362	...	117,380	-	-	
3 年 1月	226	...	304	304	-	
2	-	...	-	-	-	
3	-	...	-	-	-	
4	-	...	-	-	-	
5	-	...	-	-	-	
6	-	...	-	-	-	
7	-	...	-	-	-	
8	-	...	-	-	-	
9	37,026	...	5,857	-	-	
10	51,355	...	56,444	-	-	
11	35,007	...	47,444	-	-	
12	-	...	13,492	-	-	
ガソリン			Gasoline			
平成 29 年	210	...	211	...	...
30	211	...	210	...	...
令和 1 年	202	...	202	...	...
2	186	...	187	...	...
3	202	...	198	...	...
令和 1 年度	198	...	199	...	...
2	191	...	184	...	...
3 年 1~3月	51	...	44	...	...
4~6	45	...	48	...	...
7~9	52	...	52	...	...
10~12	54	...	54	...	...
3 年 1月	18	...	15	...	...
2	18	...	14	...	...
3	15	...	15	...	...
4	15	...	17	...	...
5	15	...	15	...	...
6	15	...	16	...	...
7	19	...	19	...	...
8	15	...	16	...	...
9	18	...	17	...	...
10	17	...	18	...	...
11	20	...	18	...	...
12	17	...	18	...	...
ナフサ			Naphtha			
平成 29 年	31,380,675	...	31,312,667	-	-	
30	28,903,559	...	28,691,116	-	-	
令和 1 年	30,682,843	...	30,775,533	-	-	
2	29,174,908	...	29,285,828	-	-	
3	30,916,571	...	30,847,139	-	-	
令和 1 年度	30,803,347	...	30,706,587	-	-	
2	29,360,153	...	29,582,541	-	-	
3 年 1~3月	7,814,299	...	7,872,553	-	-	
4~6	7,743,772	...	7,508,841	-	-	
7~9	7,418,403	...	7,429,010	-	-	
10~12	7,940,097	...	8,036,735	-	-	
3 年 1月	2,723,177	...	2,647,980	-	-	
2	2,500,042	...	2,451,953	-	-	
3	2,591,080	...	2,772,620	-	-	
4	2,746,298	...	2,659,590	-	-	
5	2,510,732	...	2,532,738	-	-	
6	2,486,742	...	2,316,513	-	-	
7	2,370,449	...	2,342,935	-	-	
8	2,599,121	...	2,514,378	-	-	
9	2,448,833	...	2,571,697	-	-	
10	2,626,483	...	2,679,281	-	-	
11	2,665,397	...	2,572,423	-	-	
12	2,648,217	...	2,785,031	-	-	

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
277,040	277,040	-	-	34,051	2,705	C.Y.	2017
224,228	224,228	-	-	22,330	4,454	C.Y.	2018
54,012	54,012	-	-	32,478	112	C.Y.	2019
-	-	-	-	27,308	216	C.Y.	2020
123,237	123,237	-	-	22,209	289	C.Y.	2021
54,012	54,012	-	-	33,271	199	F.Y.	2019
-	-	-	-	23,980	138	F.Y.	2020
-	-	-	-	4,987	138	Q1	2021
-	-	-	-	6,809	138	Q2	
5,857	5,857	-	-	4,488	31,307	Q3	
117,380	117,380	-	-	5,925	289	Q4	
-	-	-	-	2,507	138	Jan.	2021
-	-	-	-	-	138	Feb.	
-	-	-	-	2,480	138	Mar.	
-	-	-	-	2,376	138	Apr.	
-	-	-	-	2,138	138	May	
-	-	-	-	2,295	138	Jun.	
-	-	-	-	-	30	Jul.	
-	-	-	-	2,270	219	Aug.	
5,857	5,857	-	-	2,218	31,307	Sep.	
56,444	56,444	-	-	2,143	26,218	Oct.	
47,444	47,444	-	-	1,754	13,781	Nov.	
13,492	13,492	-	-	2,028	289	Dec.	

単位 Unit : kl

211	...	...	211	-	3	C.Y.	2017
210	...	...	210	-	3	C.Y.	2018
202	...	...	202	-	3	C.Y.	2019
187	...	...	187	1	1	C.Y.	2020
198	...	...	198	-	3	C.Y.	2021
199	...	...	199	-	2	F.Y.	2019
184	...	...	184	1	3	F.Y.	2020
44	...	...	44	-	3	Q1	2021
48	...	...	48	-	3	Q2	
52	...	...	52	-	3	Q3	
54	...	...	54	-	3	Q4	
15	...	...	15	-	4	Jan.	2021
14	...	...	14	-	4	Feb.	
15	...	...	15	-	3	Mar.	
17	...	...	17	-	2	Apr.	
15	...	...	15	-	2	May	
16	...	...	16	-	3	Jun.	
19	...	...	19	-	3	Jul.	
16	...	...	16	-	2	Aug.	
17	...	...	17	-	3	Sep.	
18	...	...	18	-	2	Oct.	
18	...	...	18	-	4	Nov.	
18	...	...	18	-	3	Dec.	

単位 Unit : kl

31,312,667	31,312,667	-	-	32,863	573,056	C.Y.	2017
28,691,116	28,687,527	-	3,589	7,916	777,407	C.Y.	2018
30,775,533	30,775,350	-	183	64,736	644,820	C.Y.	2019
29,285,828	29,285,738	-	90	14,200	557,498	C.Y.	2020
30,847,139	30,841,585	-	5,554	24,697	518,962	C.Y.	2021
30,706,587	30,706,404	-	183	70,251	711,111	F.Y.	2019
29,582,541	29,582,451	-	90	8,114	509,270	F.Y.	2020
7,872,553	7,872,553	-	-	1,285	509,270	Q1	2021
7,508,841	7,505,420	-	3,421	16,223	615,189	Q2	
7,429,010	7,426,914	-	2,096	6,085	604,897	Q3	
8,036,735	8,036,698	-	37	1,104	518,962	Q4	
2,647,980	2,647,980	-	-	578	632,725	Jan.	2021
2,451,953	2,451,953	-	-	-	687,908	Feb.	
2,772,620	2,772,620	-	-	707	509,270	Mar.	
2,659,590	2,659,590	-	-	247	598,551	Apr.	
2,532,738	2,531,689	-	1,049	202	580,636	May	
2,316,513	2,314,141	-	2,372	15,774	615,189	Jun.	
2,342,935	2,340,968	-	1,967	5,505	639,609	Jul.	
2,514,378	2,514,249	-	129	275	726,264	Aug.	
2,571,697	2,571,697	-	-	305	604,897	Sep.	
2,679,281	2,679,250	-	31	-	555,812	Oct.	
2,572,423	2,572,421	-	2	536	653,257	Nov.	
2,785,031	2,785,027	-	4	568	518,962	Dec.	

改質生成油			Oil produced by conversion		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	19,780,039	...	19,689,000	...	...
30	19,893,701	...	19,809,452	...	...
令和 1 年	17,986,980	...	17,872,583	...	...
2	14,748,606	...	14,662,456	...	...
3	15,170,553	...	15,101,547	...	...
令和 1 年度	17,210,932	...	17,089,832	...	...
2	14,349,484	...	14,269,571	...	...
3 年 1~3月	3,650,260	...	3,628,863	...	...
4~6	3,259,224	...	3,240,262	...	...
7~9	4,030,347	...	4,015,721	...	...
10~12	4,230,722	...	4,216,701	...	...
3 年 1月	1,375,152	...	1,359,400	...	...
2	1,075,051	...	1,067,477	...	...
3	1,200,057	...	1,201,986	...	...
4	1,163,339	...	1,165,343	...	...
5	1,107,918	...	1,094,712	...	...
6	987,967	...	980,207	...	...
7	1,176,237	...	1,176,265	...	...
8	1,415,605	...	1,406,751	...	...
9	1,438,505	...	1,432,705	...	...
10	1,344,852	...	1,337,544	...	...
11	1,400,482	...	1,398,378	...	...
12	1,485,388	...	1,480,779	...	...
灯油 Kerosene					
平成 29 年	913,120	...	911,303	1,064	276
30	806,900	...	805,385	818	4,373
令和 1 年	920,602	...	921,081	1,602	3,535
2	727,064	...	729,192	1,839	6,599
3	679,282	...	679,022	1,012	2,672
令和 1 年度	799,196	...	796,519	1,612	2,814
2	740,314	...	744,215	1,687	6,915
3 年 1~3月	143,258	...	144,632	217	342
4~6	116,516	...	114,597	136	426
7~9	238,388	...	238,386	369	1,769
10~12	181,120	...	181,407	290	135
3 年 1月	83,596	...	83,695	101	341
2	56,984	...	57,215	58	1
3	2,678	...	3,722	58	-
4	2,707	...	2,862	41	-
5	37,511	...	35,670	70	346
6	76,298	...	76,065	25	80
7	64,203	...	64,127	129	1,759
8	87,894	...	87,913	63	-
9	86,291	...	86,346	177	10
10	78,092	...	78,787	184	-
11	31,300	...	31,065	53	-
12	71,728	...	71,555	53	135
軽油 Gas oil					
平成 29 年	184,085	...	173,387	-	-
30	155,671	...	154,882	-	-
令和 1 年	163,151	...	175,909	-	-
2	117,808	...	118,362	-	-
3	156,904	...	156,956	1	-
令和 1 年度	149,033	...	149,364	-	-
2	138,581	...	143,928	-	-
3 年 1~3月	48,489	...	47,640	-	-
4~6	47,640	...	47,446	-	-
7~9	33,271	...	37,185	-	-
10~12	27,504	...	24,685	1	-
3 年 1月	16,536	...	16,830	-	-
2	13,988	...	14,978	-	-
3	17,965	...	15,832	-	-
4	14,713	...	15,950	-	-
5	19,340	...	16,772	-	-
6	13,587	...	14,724	-	-
7	16,793	...	16,384	-	-
8	12,778	...	16,629	-	-
9	3,700	...	4,172	-	-
10	8,218	...	316	-	-
11	4,929	...	8,560	1	-
12	14,357	...	15,809	-	-

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
19,689,000	19,689,000	...	...	93,319	4,473	C.Y.	2017
19,809,452	19,809,452	...	...	83,386	5,336	C.Y.	2018
17,872,583	17,872,583	...	...	109,044	10,869	C.Y.	2019
14,662,456	14,662,456	...	...	92,135	4,881	C.Y.	2020
15,101,547	15,101,547	...	...	69,811	3,436	C.Y.	2021
17,089,832	17,089,832	...	...	110,774	14,040	F.Y.	2019
14,269,571	14,269,571	...	...	85,560	7,760	F.Y.	2020
3,628,863	3,628,863	...	...	17,888	7,760	Q1	2021
3,240,262	3,240,262	...	...	13,543	13,169	Q2	
4,015,721	4,015,721	...	...	22,003	5,792	Q3	
4,216,701	4,216,701	...	...	16,377	3,436	Q4	
1,359,400	1,359,400	...	...	10,801	9,202	Jan.	2021
1,067,477	1,067,477	...	...	4,765	12,011	Feb.	
1,201,986	1,201,986	...	...	2,322	7,760	Mar.	
1,165,343	1,165,343	...	...	1,502	4,254	Apr.	
1,094,712	1,094,712	...	...	6,314	11,146	May	
980,207	980,207	...	...	5,727	13,169	Jun.	
1,176,265	1,176,265	...	...	6,902	6,239	Jul.	
1,406,751	1,406,751	...	...	6,831	8,262	Aug.	
1,432,705	1,432,705	...	...	8,270	5,792	Sep.	
1,337,544	1,337,544	...	...	5,721	7,379	Oct.	
1,398,378	1,398,378	...	...	5,245	4,238	Nov.	
1,480,779	1,480,779	...	...	5,411	3,436	Dec.	

単位 Unit : kl

909,963	872,957	31,432	5,574	-	7,801	C.Y.	2017
800,194	766,661	28,435	5,098	-	9,328	C.Y.	2018
915,944	880,631	30,700	4,613	-	8,852	C.Y.	2019
720,754	685,862	29,353	5,539	-	6,815	C.Y.	2020
675,338	644,515	21,633	9,190	-	7,116	C.Y.	2021
792,093	756,299	31,511	4,283	-	9,249	F.Y.	2019
735,613	703,538	26,413	5,662	-	5,474	F.Y.	2020
144,073	137,515	5,336	1,222	-	5,474	Q1	2021
114,035	106,822	5,307	1,906	-	7,398	Q2	
236,248	227,757	5,480	3,011	-	7,402	Q3	
180,982	172,421	5,510	3,051	-	7,116	Q4	
83,253	80,924	1,924	405	-	6,711	Jan.	2021
57,156	55,206	1,587	363	-	6,521	Feb.	
3,664	1,385	1,825	454	-	5,474	Mar.	
2,821	389	2,065	367	-	5,320	Apr.	
35,254	33,107	1,584	563	-	7,166	May	
75,960	73,326	1,658	976	-	7,398	Jun.	
62,239	59,000	2,180	1,059	-	7,475	Jul.	
87,850	85,166	1,682	1,002	-	7,457	Aug.	
86,159	83,591	1,618	950	-	7,402	Sep.	
78,603	75,579	2,035	989	-	6,707	Oct.	
31,012	28,530	1,496	986	-	6,937	Nov.	
71,367	68,312	1,979	1,076	-	7,116	Dec.	

単位 Unit : kl

173,387	171,035	-	2,352	-	21,287	C.Y.	2017
154,882	152,496	-	2,386	-	21,820	C.Y.	2018
175,909	172,517	-	3,392	-	8,931	C.Y.	2019
118,362	115,113	-	3,249	-	8,520	C.Y.	2020
156,955	153,818	-	3,137	1	8,573	C.Y.	2021
149,364	145,875	-	3,489	-	14,594	F.Y.	2019
143,928	140,812	-	3,116	1	9,284	F.Y.	2020
47,640	47,054	-	586	1	9,284	Q1	2021
47,446	46,502	-	944	-	9,501	Q2	
37,185	36,359	-	826	-	5,692	Q3	
24,684	23,903	-	781	-	8,573	Q4	
16,830	16,632	-	198	-	8,202	Jan.	2021
14,978	14,807	-	171	-	7,203	Feb.	
15,832	15,615	-	217	1	9,284	Mar.	
15,950	15,628	-	322	-	8,037	Apr.	
16,772	16,464	-	308	-	10,603	May	
14,724	14,410	-	314	-	9,501	Jun.	
16,384	16,076	-	308	-	9,950	Jul.	
16,629	16,392	-	237	-	6,147	Aug.	
4,172	3,891	-	281	-	5,692	Sep.	
316	25	-	291	-	13,659	Oct.	
8,559	8,309	-	250	-	10,035	Nov.	
15,809	15,569	-	240	-	8,573	Dec.	

重油計			Heavy fuel oil total			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	1,280,034	...	1,277,859	562,838	15,820	
30	1,110,091	...	1,109,688	503,045	14,009	
令和 1 年	1,250,178	...	1,247,873	621,369	12,491	
2	1,121,539	...	1,119,737	521,001	13,656	
3	1,103,435	...	1,106,941	549,802	9,142	
令和 1 年度	1,222,908	...	1,223,510	616,825	11,927	
2	1,063,773	...	1,061,569	499,675	13,146	
3 年 1~3月	266,520	...	269,279	137,787	1,563	
4~6	216,209	...	214,504	128,583	2,247	
7~9	294,471	...	295,276	126,466	2,026	
10~12	326,235	...	327,882	156,966	3,306	
3 年 1月	97,591	...	100,531	52,557	837	
2	85,238	...	84,074	44,264	330	
3	83,691	...	84,674	40,966	396	
4	86,633	...	86,290	47,202	737	
5	73,743	...	74,567	43,477	773	
6	55,833	...	53,647	37,904	737	
7	91,360	...	90,778	43,952	707	
8	100,983	...	102,791	41,318	756	
9	102,128	...	101,707	41,196	563	
10	104,082	...	104,978	45,029	641	
11	117,353	...	118,546	55,651	1,926	
12	104,800	...	104,358	56,286	739	

A重油			Heavy fuel oil A			
平成 29 年	55,364	...	53,512	26,165	7,522	
30	67,264	...	65,428	26,798	12,208	
令和 1 年	51,689	...	50,271	21,843	8,466	
2	56,774	...	55,878	24,875	10,615	
3	54,365	...	53,839	25,665	8,840	
令和 1 年度	53,007	...	51,395	22,924	8,429	
2	55,803	...	54,749	24,351	10,513	
3 年 1~3月	12,143	...	11,852	5,789	1,490	
4~6	12,373	...	12,522	5,490	2,157	
7~9	14,196	...	13,638	6,734	1,949	
10~12	15,653	...	15,827	7,652	3,244	
3 年 1月	4,379	...	4,495	2,055	821	
2	4,146	...	3,827	2,171	330	
3	3,618	...	3,530	1,563	339	
4	4,506	...	4,307	1,845	732	
5	4,069	...	4,540	1,815	773	
6	3,798	...	3,675	1,830	652	
7	5,376	...	5,092	2,616	707	
8	4,414	...	4,489	2,326	679	
9	4,406	...	4,057	1,792	563	
10	4,334	...	4,343	2,381	579	
11	6,821	...	6,948	3,208	1,926	
12	4,498	...	4,536	2,063	739	

B・C重油			Heavy fuel oil B・C			
平成 29 年	1,224,670	...	1,224,347	536,673	8,298	
30	1,042,827	...	1,044,260	476,247	1,801	
令和 1 年	1,198,489	...	1,197,602	599,526	4,025	
2	1,064,765	...	1,063,859	496,126	3,041	
3	1,049,070	...	1,053,102	524,137	302	
令和 1 年度	1,169,901	...	1,172,115	593,901	3,498	
2	1,007,970	...	1,006,820	475,324	2,633	
3 年 1~3月	254,377	...	257,427	131,998	73	
4~6	203,836	...	201,982	123,093	90	
7~9	280,275	...	281,638	119,732	77	
10~12	310,582	...	312,055	149,314	62	
3 年 1月	93,212	...	96,036	50,502	16	
2	81,092	...	80,247	42,093	-	
3	80,073	...	81,144	39,403	57	
4	82,127	...	81,983	45,357	5	
5	69,674	...	70,027	41,662	-	
6	52,035	...	49,972	36,074	85	
7	85,984	...	85,686	41,336	-	
8	96,569	...	98,302	38,992	77	
9	97,722	...	97,650	39,404	-	
10	99,748	...	100,635	42,648	62	
11	110,532	...	111,598	52,443	-	
12	100,302	...	99,822	54,223	-	

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
699,201	555,731	109,927	33,543	1,153	60,736	C.Y. 2017
592,634	457,683	99,799	35,152	1,844	58,619	C.Y. 2018
614,013	479,695	107,238	27,080	1,154	60,066	C.Y. 2019
585,080	461,666	97,832	25,582	1,036	61,991	C.Y. 2020
547,997	422,863	100,382	24,752	985	57,434	C.Y. 2021
594,758	460,009	107,291	27,458	1,125	56,608	F.Y. 2019
548,748	426,758	95,635	26,355	1,020	59,033	F.Y. 2020
129,929	98,935	24,070	6,924	331	59,033	Q1 2021
83,674	52,880	24,684	6,110	283	60,684	Q2
166,784	134,674	26,193	5,917	192	59,764	Q3
167,610	136,374	25,435	5,801	179	57,434	Q4
47,137	35,311	9,264	2,562	112	59,035	Jan. 2021
39,480	30,104	7,419	1,957	114	60,122	Feb.
43,312	33,520	7,387	2,405	105	59,033	Mar.
38,351	29,321	7,075	1,955	109	59,288	Apr.
30,317	19,073	9,217	2,027	87	58,413	May
15,006	4,486	8,392	2,128	87	60,684	Jun.
46,119	34,977	9,007	2,135	76	61,189	Jul.
60,717	50,046	8,936	1,735	53	59,321	Aug.
59,948	49,651	8,250	2,047	63	59,764	Sep.
59,308	49,185	8,229	1,894	68	58,927	Oct.
60,969	50,119	8,832	2,018	22	57,097	Nov.
47,333	37,070	8,374	1,889	89	57,434	Dec.

単位 Unit : kl

19,825	-	11,471	8,354	1,153	6,292	C.Y. 2017
26,422	-	8,894	17,528	1,188	6,915	C.Y. 2018
19,962	-	10,522	9,440	1,154	7,175	C.Y. 2019
20,388	-	9,697	10,691	1,036	7,030	C.Y. 2020
19,334	-	9,594	9,740	976	6,493	C.Y. 2021
20,042	-	10,054	9,988	1,125	6,954	F.Y. 2019
19,885	-	8,886	10,999	1,011	6,947	F.Y. 2020
4,573	-	1,846	2,727	322	6,947	Q1 2021
4,875	-	2,670	2,205	283	6,526	Q2
4,955	-	2,788	2,167	192	6,898	Q3
4,931	-	2,290	2,641	179	6,493	Q4
1,619	-	737	882	112	6,750	Jan. 2021
1,326	-	530	796	105	6,965	Feb.
1,628	-	579	1,049	105	6,947	Mar.
1,730	-	948	782	109	7,042	Apr.
1,952	-	1,213	739	87	6,485	May
1,193	-	509	684	87	6,526	Jun.
1,769	-	1,039	730	76	6,734	Jul.
1,484	-	789	695	53	6,607	Aug.
1,702	-	960	742	63	6,898	Sep.
1,383	-	567	816	68	6,821	Oct.
1,814	-	841	973	22	6,657	Nov.
1,734	-	882	852	89	6,493	Dec.

単位 Unit : kl

679,376	555,731	98,456	25,189	-	54,444	C.Y. 2017
566,212	457,683	90,905	17,624	656	51,704	C.Y. 2018
594,051	479,695	96,716	17,640	-	52,891	C.Y. 2019
564,692	461,666	88,135	14,891	-	54,961	C.Y. 2020
528,663	422,863	90,788	15,012	9	50,941	C.Y. 2021
574,716	460,009	97,237	17,470	-	49,654	F.Y. 2019
528,863	426,758	86,749	15,356	9	52,086	F.Y. 2020
125,356	98,935	22,224	4,197	9	52,086	Q1 2021
78,799	52,880	22,014	3,905	-	54,158	Q2
161,829	134,674	23,405	3,750	-	52,866	Q3
162,679	136,374	23,145	3,160	-	50,941	Q4
45,518	35,311	8,527	1,680	-	52,285	Jan. 2021
38,154	30,104	6,889	1,161	9	53,157	Feb.
41,684	33,520	6,808	1,356	-	52,086	Mar.
36,621	29,321	6,127	1,173	-	52,246	Apr.
28,365	19,073	8,004	1,288	-	51,928	May
13,813	4,486	7,883	1,444	-	54,158	Jun.
44,350	34,977	7,968	1,405	-	54,455	Jul.
59,233	50,046	8,147	1,040	-	52,714	Aug.
58,246	49,651	7,290	1,305	-	52,866	Sep.
57,925	49,185	7,662	1,078	-	52,106	Oct.
59,155	50,119	7,991	1,045	-	50,440	Nov.
45,599	37,070	7,492	1,037	-	50,941	Dec.

炭化水素油			Hydrocarbon oil			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	151,854	...	1,148,452	755,221	439	
30	158,274	...	1,065,674	672,891	-	
令和 1 年	172,464	...	1,058,336	668,010	-	
2	186,637	...	1,087,885	696,156	1	
3	174,917	...	1,129,924	724,953	-	
令和 1 年度	178,591	...	1,053,428	666,416	1	
2	187,844	...	1,108,792	708,035	-	
3 年 1~3月	48,007	...	277,088	177,484	-	
4~6	34,964	...	251,830	166,035	-	
7~9	42,301	...	283,549	180,999	-	
10~12	49,645	...	317,457	200,435	-	
3 年 1月	16,207	...	94,342	57,204	-	
2	15,225	...	87,103	58,599	-	
3	16,575	...	95,643	61,681	-	
4	17,112	...	95,503	57,258	-	
5	11,215	...	84,795	58,170	-	
6	6,637	...	71,532	50,607	-	
7	9,063	...	86,612	60,260	-	
8	16,805	...	98,281	60,441	-	
9	16,433	...	98,656	60,298	-	
10	13,828	...	97,746	61,449	-	
11	17,057	...	105,743	66,841	-	
12	18,760	...	113,968	72,145	-	

液化石油ガス			Liquefied petroleum gas			
平成 29 年	5,512,823	...	5,004,096	40,213	28,158	
30	5,255,455	...	4,818,672	44,715	32,770	
令和 1 年	5,455,402	...	4,989,130	39,977	28,612	
2	4,303,045	...	3,968,757	29,760	37,726	
3	5,046,147	...	4,554,098	29,183	47,575	
令和 1 年度	5,229,854	...	4,800,663	37,430	31,399	
2	4,400,251	...	4,004,281	29,460	45,327	
3 年 1~3月	1,205,038	...	1,083,075	7,848	14,848	
4~6	1,249,332	...	1,122,614	6,637	17,125	
7~9	1,332,736	...	1,202,304	7,917	7,010	
10~12	1,259,041	...	1,146,105	6,781	8,592	
3 年 1月	435,339	...	389,248	2,817	7,779	
2	356,567	...	328,339	2,633	5,412	
3	413,132	...	365,488	2,398	1,657	
4	409,055	...	374,304	2,125	4,419	
5	453,811	...	392,456	2,827	6,552	
6	386,466	...	355,854	1,685	6,154	
7	424,421	...	386,435	2,046	4,447	
8	455,676	...	407,463	2,832	1,547	
9	452,639	...	408,406	3,039	1,016	
10	440,659	...	401,349	3,054	2,287	
11	388,845	...	355,546	2,335	6,305	
12	429,537	...	389,210	1,392	-	

石油系炭化水素ガス			Hydrocarbon gas			
平成 29 年	348,536	...	6,313,391	696,473	1,183,396	
30	322,939	...	5,443,273	721,709	395,174	
令和 1 年	346,609	...	5,508,728	681,545	474,845	
2	238,466	...	5,010,311	622,798	372,709	
3	232,965	...	5,173,740	617,174	426,390	
令和 1 年度	335,101	...	5,428,196	691,444	473,897	
2	219,565	...	4,986,931	623,956	362,378	
3 年 1~3月	59,434	...	1,272,989	166,214	107,950	
4~6	51,918	...	1,220,231	137,000	102,688	
7~9	55,136	...	1,292,974	156,168	105,198	
10~12	66,477	...	1,387,546	157,792	110,554	
3 年 1月	20,064	...	435,094	55,336	37,215	
2	18,307	...	391,150	51,275	32,269	
3	21,063	...	446,745	59,603	38,466	
4	19,604	...	439,671	57,479	36,226	
5	16,328	...	429,224	49,996	34,383	
6	15,986	...	351,336	29,525	32,079	
7	16,892	...	397,908	47,733	32,236	
8	20,536	...	437,056	50,700	37,302	
9	17,708	...	458,010	57,735	35,660	
10	18,623	...	457,877	56,866	36,214	
11	23,017	...	462,073	54,495	35,508	
12	24,837	...	467,596	46,431	38,832	

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
392,792	277,019	114,811	962	...	...	C.Y. 2017
392,783	272,100	119,881	802	...	...	C.Y. 2018
390,326	266,803	122,773	750	...	...	C.Y. 2019
391,728	278,502	112,496	730	...	...	C.Y. 2020
404,971	278,538	125,649	784	...	...	C.Y. 2021
387,011	266,105	120,136	770	...	...	F.Y. 2019
400,757	285,182	114,836	739	...	...	F.Y. 2020
99,604	69,559	29,845	200	...	...	Q1 2021
85,795	57,916	27,669	210	...	...	Q2
102,550	70,434	31,931	185	...	...	Q3
117,022	80,629	36,204	189	...	...	Q4
37,138	25,695	11,368	75	...	...	Jan. 2021
28,504	19,001	9,453	50	...	...	Feb.
33,962	24,863	9,024	75	...	...	Mar.
38,245	28,632	9,541	72	...	...	Apr.
26,625	16,820	9,742	63	...	...	May
20,925	12,464	8,386	75	...	...	Jun.
26,352	17,079	9,209	64	...	...	Jul.
37,840	25,891	11,882	67	...	...	Aug.
38,358	27,464	10,840	54	...	...	Sep.
36,297	24,330	11,910	57	...	...	Oct.
38,902	27,322	11,515	65	...	...	Nov.
41,823	28,977	12,779	67	...	...	Dec.

単位 Unit : t

4,935,725	4,500,167	251,048	184,510	488,132	78,649	C.Y. 2017
4,741,187	4,286,707	242,790	211,690	439,574	69,256	C.Y. 2018
4,920,541	4,477,490	242,728	200,323	469,788	65,582	C.Y. 2019
3,901,271	3,514,067	226,362	160,842	335,783	74,408	C.Y. 2020
4,477,340	4,037,474	228,603	211,263	399,994	91,538	C.Y. 2021
4,731,834	4,312,601	238,441	180,792	435,446	56,471	F.Y. 2019
3,929,494	3,522,045	225,859	181,590	378,325	82,611	F.Y. 2020
1,060,379	948,087	58,591	53,701	113,504	82,611	Q1 2021
1,098,852	996,882	53,416	48,554	122,045	86,829	Q2
1,187,377	1,078,857	54,143	54,377	90,719	79,784	Q3
1,130,732	1,013,648	62,453	54,631	73,726	91,538	Q4
378,652	334,624	23,278	20,750	36,877	83,649	Jan. 2021
320,294	289,265	15,784	15,245	36,775	75,573	Feb.
361,433	324,198	19,529	17,706	39,852	82,611	Mar.
367,760	329,340	21,026	17,394	37,023	80,337	Apr.
383,077	352,294	16,070	14,713	43,395	98,189	May
348,015	315,248	16,320	16,447	41,627	86,829	Jun.
379,942	343,329	19,129	17,484	39,078	86,838	Jul.
403,084	366,825	17,923	18,336	46,969	88,222	Aug.
404,351	368,703	17,091	18,557	4,672	79,784	Sep.
396,008	355,915	20,483	19,610	4,373	79,414	Oct.
346,906	312,626	17,202	17,078	32,986	91,717	Nov.
387,818	345,107	24,768	17,943	36,367	91,538	Dec.

単位 Unit : 1000m³

4,433,522	19,610	4,274,550	139,362	...	...	C.Y. 2017
4,326,390	22,391	4,169,338	134,661	...	...	C.Y. 2018
4,352,338	21,420	4,199,203	131,715	...	...	C.Y. 2019
4,014,804	20,131	3,879,841	114,832	...	...	C.Y. 2020
4,130,176	21,984	3,985,735	122,457	...	...	C.Y. 2021
4,262,855	20,442	4,112,362	130,051	...	...	F.Y. 2019
4,000,597	21,296	3,869,382	109,919	...	...	F.Y. 2020
998,825	6,004	964,507	28,314	...	...	Q1 2021
980,543	5,808	947,076	27,659	...	...	Q2
1,031,608	3,520	996,599	31,489	...	...	Q3
1,119,200	6,652	1,077,553	34,995	...	...	Q4
342,543	2,077	330,846	9,620	...	...	Jan. 2021
307,606	1,429	297,374	8,803	...	...	Feb.
348,676	2,498	336,287	9,891	...	...	Mar.
345,966	2,087	333,618	10,261	...	...	Apr.
344,845	2,346	333,932	8,567	...	...	May
289,732	1,375	279,526	8,831	...	...	Jun.
317,939	925	306,818	10,196	...	...	Jul.
349,054	944	337,668	10,442	...	...	Aug.
364,615	1,651	352,113	10,851	...	...	Sep.
364,797	2,099	350,900	11,798	...	...	Oct.
372,070	2,203	357,774	12,093	...	...	Nov.
382,333	2,350	368,879	11,104	...	...	Dec.

オイルコークス			Petroleum coke		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	1,523,809	...	1,472,456	890,887	-
30	1,478,538	...	1,405,432	898,890	-
令和 1 年	1,518,016	...	1,477,161	896,257	-
2	1,452,092	...	1,363,437	884,832	-
3	1,399,843	...	1,430,985	914,066	-
令和 1 年度	1,538,223	...	1,485,090	898,182	-
2	1,387,123	...	1,314,889	879,090	-
3 年 1~3月	329,073	...	309,173	204,105	-
4~6	248,610	...	330,047	192,245	-
7~9	399,531	...	415,192	265,250	-
10~12	422,629	...	376,573	252,466	-
3 年 1月	83,616	...	120,084	83,893	-
2	113,401	...	86,316	70,280	-
3	132,056	...	102,773	49,932	-
4	69,665	...	83,557	46,375	-
5	143,428	...	132,738	82,090	-
6	35,517	...	113,752	63,780	-
7	172,408	...	139,602	90,427	-
8	122,734	...	140,931	89,551	-
9	104,389	...	134,659	85,272	-
10	181,850	...	137,083	86,729	-
11	116,338	...	129,093	83,407	-
12	124,441	...	110,397	82,330	-
アスファルト			Asphalt		
平成 29 年	-	...	-	-	-
30	-	...	-	-	-
令和 1 年	-	...	-	-	-
2	-	...	-	-	-
3	-	...	-	-	-
令和 1 年度	-	...	-	-	-
2	-	...	-	-	-
3 年 1~3月	-	...	-	-	-
4~6	-	...	-	-	-
7~9	-	...	-	-	-
10~12	-	...	-	-	-
3 年 1月	-	...	-	-	-
2	-	...	-	-	-
3	-	...	-	-	-
4	-	...	-	-	-
5	-	...	-	-	-
6	-	...	-	-	-
7	-	...	-	-	-
8	-	...	-	-	-
9	-	...	-	-	-
10	-	...	-	-	-
11	-	...	-	-	-
12	-	...	-	-	-
再生油(石油由来)			Reproduction oil(Oil origin)		
平成 29 年	20,544	-	20,544	19,224	-
30	20,052	-	20,052	18,532	-
令和 1 年	19,457	-	19,457	18,134	-
2	18,754	-	18,754	16,932	-
3	22,093	-	22,093	20,220	-
令和 1 年度	19,819	-	19,819	18,382	-
2	18,386	-	18,386	16,621	-
3 年 1~3月	5,456	-	5,456	5,015	-
4~6	4,733	-	4,733	4,381	-
7~9	5,636	-	5,636	5,132	-
10~12	6,268	-	6,268	5,692	-
3 年 1月	1,892	-	1,892	1,724	-
2	1,852	-	1,852	1,689	-
3	1,712	-	1,712	1,602	-
4	2,183	-	2,183	2,053	-
5	838	-	838	726	-
6	1,712	-	1,712	1,602	-
7	1,712	-	1,712	1,602	-
8	1,804	-	1,804	1,602	-
9	2,120	-	2,120	1,928	-
10	1,905	-	1,905	1,706	-
11	2,111	-	2,111	1,914	-
12	2,252	-	2,252	2,072	-

単位 Unit : t

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
581,569	579,029	-	2,540	22,246	156,245	C.Y.	2017
506,542	502,112	-	4,430	10,396	218,955	C.Y.	2018
580,904	576,596	-	4,308	2,760	257,058	C.Y.	2019
478,605	474,782	-	3,823	191	343,604	C.Y.	2020
516,919	512,409	-	4,510	-	312,457	C.Y.	2021
586,908	582,611	-	4,297	1,312	291,270	F.Y.	2019
435,799	431,788	-	4,011	-	363,499	F.Y.	2020
105,068	103,618	-	1,450	-	363,499	Q1	2021
137,802	136,350	-	1,452	-	281,732	Q2	
149,942	149,180	-	762	-	266,402	Q3	
124,107	123,261	-	846	-	312,457	Q4	
36,191	36,086	-	105	-	307,135	Jan.	2021
16,036	15,322	-	714	-	334,219	Feb.	
52,841	52,210	-	631	-	363,499	Mar.	
37,182	37,072	-	110	-	349,607	Apr.	
50,648	49,951	-	697	-	360,297	May	
49,972	49,327	-	645	-	281,732	Jun.	
49,175	49,137	-	38	-	314,869	Jul.	
51,380	51,380	-	-	-	296,672	Aug.	
49,387	48,663	-	724	-	266,402	Sep.	
50,354	50,327	-	27	-	311,169	Oct.	
45,686	45,109	-	577	-	298,412	Nov.	
28,067	27,825	-	242	-	312,457	Dec.	

単位 Unit : t

-	-	-	-	258	-	C.Y.	2017
-	-	-	-	-	-	C.Y.	2018
-	-	-	-	-	-	C.Y.	2019
-	-	-	-	-	-	C.Y.	2020
-	-	-	-	-	-	C.Y.	2021
-	-	-	-	-	-	F.Y.	2019
-	-	-	-	-	-	F.Y.	2020
-	-	-	-	-	-	Q1	2021
-	-	-	-	-	-	Q2	
-	-	-	-	-	-	Q3	
-	-	-	-	-	-	Q4	
-	-	-	-	-	-	Jan.	2021
-	-	-	-	-	-	Feb.	
-	-	-	-	-	-	Mar.	
-	-	-	-	-	-	Apr.	
-	-	-	-	-	-	May	
-	-	-	-	-	-	Jun.	
-	-	-	-	-	-	Jul.	
-	-	-	-	-	-	Aug.	
-	-	-	-	-	-	Sep.	
-	-	-	-	-	-	Oct.	
-	-	-	-	-	-	Nov.	
-	-	-	-	-	-	Dec.	

単位 Unit : kl

1,320	-	1,320	-	-	-	C.Y.	2017
1,520	-	1,520	-	-	-	C.Y.	2018
1,323	-	1,323	-	-	-	C.Y.	2019
1,822	-	1,822	-	-	-	C.Y.	2020
1,873	-	1,873	-	-	-	C.Y.	2021
1,437	-	1,437	-	-	-	F.Y.	2019
1,765	-	1,765	-	-	-	F.Y.	2020
441	-	441	-	-	-	Q1	2021
352	-	352	-	-	-	Q2	
504	-	504	-	-	-	Q3	
576	-	576	-	-	-	Q4	
168	-	168	-	-	-	Jan.	2021
163	-	163	-	-	-	Feb.	
110	-	110	-	-	-	Mar.	
130	-	130	-	-	-	Apr.	
112	-	112	-	-	-	May	
110	-	110	-	-	-	Jun.	
110	-	110	-	-	-	Jul.	
202	-	202	-	-	-	Aug.	
192	-	192	-	-	-	Sep.	
199	-	199	-	-	-	Oct.	
197	-	197	-	-	-	Nov.	
180	-	180	-	-	-	Dec.	

非石油系燃料(原油換算)			Non-oil based fuels(Crude petroleum equivalent)			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	14,565,589	7,893,837	15,311,476	4,691,902	605,586	
30	15,136,595	8,005,831	15,569,061	4,772,780	566,383	
令和 1 年	14,697,675	7,942,859	15,281,851	4,720,508	566,546	
2	13,521,433	7,128,511	14,285,482	4,504,671	573,175	
3	14,099,722	6,926,088	14,716,040	4,773,491	655,208	
令和 1 年度	14,424,389	7,787,102	15,127,224	4,716,597	566,199	
2	13,481,302	7,099,501	14,322,550	4,495,841	585,821	
3 年 1~3月	3,427,782	1,795,608	3,766,847	1,213,663	157,543	
4~6	3,566,746	1,815,289	3,683,934	1,101,130	178,843	
7~9	3,632,830	1,678,402	3,680,364	1,237,039	163,801	
10~12	3,472,365	1,636,789	3,584,895	1,221,658	155,020	
3 年 1月	1,049,869	617,257	1,299,435	416,665	57,883	
2	1,189,112	572,818	1,206,736	385,919	45,707	
3	1,188,801	605,534	1,260,676	411,080	53,953	
4	1,130,385	602,495	1,292,112	427,886	56,233	
5	1,278,002	622,652	1,237,862	345,205	63,405	
6	1,158,359	590,142	1,153,959	328,040	59,205	
7	1,120,924	585,221	1,224,714	398,265	50,674	
8	1,227,244	557,615	1,243,783	429,600	54,021	
9	1,284,661	535,566	1,211,868	409,175	59,106	
10	1,179,917	559,933	1,185,119	391,665	45,379	
11	1,178,984	533,916	1,159,914	402,541	48,754	
12	1,113,464	542,941	1,239,862	427,452	60,888	

石炭			Coal			
平成 29 年	17,735,748	...	17,836,244	6,106,545	-	
30	18,534,874	...	18,086,095	6,191,129	-	
令和 1 年	18,029,628	...	17,804,987	6,108,449	-	
2	16,302,384	...	16,502,858	5,877,161	-	
3	16,604,689	...	16,614,939	6,096,547	-	
令和 1 年度	17,629,595	...	17,626,971	6,151,644	-	
2	16,158,369	...	16,459,490	5,806,892	-	
3 年 1~3月	3,998,416	...	4,264,611	1,546,191	-	
4~6	4,206,171	...	4,128,555	1,389,157	-	
7~9	4,297,441	...	4,176,569	1,586,952	-	
10~12	4,102,661	...	4,045,204	1,574,247	-	
3 年 1月	1,172,623	...	1,452,944	524,954	-	
2	1,430,198	...	1,380,812	492,039	-	
3	1,395,595	...	1,430,855	529,198	-	
4	1,294,100	...	1,455,710	542,723	-	
5	1,530,719	...	1,376,656	430,275	-	
6	1,381,352	...	1,296,189	416,159	-	
7	1,306,082	...	1,403,575	499,080	-	
8	1,450,288	...	1,407,579	551,950	-	
9	1,541,071	...	1,365,415	535,922	-	
10	1,435,229	...	1,357,359	515,873	-	
11	1,417,903	...	1,319,256	514,034	-	
12	1,249,529	...	1,368,589	544,340	-	

石炭ークス			Coal coke			
平成 29 年	149,137	7,842,814	154,679	...	-	
30	150,952	7,977,902	152,771	...	-	
令和 1 年	156,180	7,899,672	159,724	...	-	
2	165,595	7,092,743	157,016	...	-	
3	140,540	7,035,359	153,372	...	-	
令和 1 年度	162,617	7,744,166	151,212	...	-	
2	146,656	7,095,226	156,443	...	-	
3 年 1~3月	28,455	1,823,617	35,391	...	-	
4~6	40,720	1,844,022	38,246	...	-	
7~9	34,649	1,702,877	35,327	...	-	
10~12	36,716	1,664,843	44,408	...	-	
3 年 1月	7,895	622,941	11,811	...	-	
2	8,923	583,860	12,377	...	-	
3	11,637	616,816	11,203	...	-	
4	13,289	613,594	12,515	...	-	
5	9,130	632,938	12,809	...	-	
6	18,301	597,490	12,922	...	-	
7	8,935	594,692	9,958	...	-	
8	11,983	563,534	12,791	...	-	
9	13,731	544,651	12,578	...	-	
10	12,249	569,904	16,202	...	-	
11	11,526	543,542	13,585	...	-	
12	12,941	551,397	14,621	...	-	

単位 Unit : kl

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
10,013,988	8,083,441	1,871,710	58,831	7,326,658	1,740,660	C.Y.	2017
10,229,898	8,255,427	1,909,047	65,437	7,353,218	1,921,384	C.Y.	2018
9,994,796	8,069,460	1,867,998	57,339	7,290,641	1,968,741	C.Y.	2019
9,207,636	7,376,184	1,747,188	84,272	6,717,078	1,677,494	C.Y.	2020
9,287,341	7,471,235	1,754,272	61,830	6,390,257	1,615,371	C.Y.	2021
9,844,427	7,928,679	1,838,894	76,862	7,209,015	1,809,737	F.Y.	2019
9,240,888	7,440,709	1,735,519	64,662	6,647,382	1,497,573	F.Y.	2020
2,395,640	1,947,393	433,512	14,735	1,653,582	1,497,573	Q1	2021
2,403,960	1,949,993	436,887	17,077	1,666,962	1,527,967	Q2	
2,279,524	1,811,872	450,493	17,156	1,582,233	1,579,174	Q3	
2,208,217	1,761,976	433,380	12,863	1,487,480	1,615,371	Q4	
824,886	666,101	153,334	5,451	553,222	1,508,138	Jan.	2021
775,111	636,707	133,723	4,679	517,722	1,559,304	Feb.	
795,643	644,585	146,454	4,605	582,638	1,497,573	Mar.	
807,993	649,937	150,820	7,235	558,729	1,382,493	Apr.	
829,252	670,873	152,632	5,747	544,250	1,499,157	May	
766,715	629,184	133,435	4,095	563,983	1,527,967	Jun.	
775,775	620,274	149,692	5,809	555,135	1,452,457	Jul.	
760,161	603,099	151,120	5,942	522,448	1,470,644	Aug.	
743,588	588,499	149,682	5,405	504,650	1,579,174	Sep.	
748,076	598,076	145,445	4,554	514,697	1,617,122	Oct.	
708,619	564,092	141,487	3,043	489,693	1,684,155	Nov.	
751,521	599,808	146,448	5,265	483,090	1,615,371	Dec.	

単位 Unit : t

11,729,699	10,964,945	760,285	4,469	177,899	2,193,318	C.Y.	2017
11,894,966	11,162,836	726,923	5,207	196,014	2,477,252	C.Y.	2018
11,696,538	10,962,862	730,489	3,187	163,112	2,537,449	C.Y.	2019
10,625,697	9,930,194	688,507	6,996	188,201	2,153,695	C.Y.	2020
10,518,392	9,845,272	666,165	6,955	176,511	1,973,537	C.Y.	2021
11,475,327	10,756,786	713,508	5,033	168,594	2,328,430	F.Y.	2019
10,652,598	9,970,116	678,489	3,993	187,319	1,841,170	F.Y.	2020
2,718,420	2,569,474	148,946	-	43,358	1,841,170	Q1	2021
2,739,398	2,570,127	166,506	2,765	46,567	1,872,217	Q2	
2,589,617	2,397,592	188,201	3,824	46,050	1,956,616	Q3	
2,470,957	2,308,079	162,512	366	40,536	1,973,537	Q4	
927,990	880,465	47,525	-	18,278	1,852,776	Jan.	2021
888,773	841,624	47,149	-	13,045	1,906,572	Feb.	
901,657	847,385	54,272	-	12,035	1,841,170	Mar.	
912,987	848,681	61,541	2,765	14,573	1,664,988	Apr.	
946,381	883,668	62,713	-	17,361	1,801,689	May	
880,030	837,778	42,252	-	14,633	1,872,217	Jun.	
904,495	842,707	60,498	1,290	15,078	1,759,646	Jul.	
855,629	794,126	60,782	721	17,596	1,785,206	Aug.	
829,493	760,759	66,921	1,813	13,376	1,956,616	Sep.	
841,486	787,127	54,359	-	5,708	2,028,780	Oct.	
805,222	749,590	55,266	366	15,145	2,112,282	Nov.	
824,249	771,362	52,887	-	19,683	1,973,537	Dec.	

単位 Unit : t

154,679	115,923	38,756	-	7,836,984	321,685	C.Y.	2017
152,771	113,477	39,294	-	7,952,501	315,140	C.Y.	2018
159,724	121,153	38,571	-	7,852,579	331,663	C.Y.	2019
157,016	118,828	38,188	-	7,130,055	286,439	C.Y.	2020
153,372	115,247	38,125	-	6,954,617	339,669	C.Y.	2021
151,212	112,576	38,636	-	7,761,736	307,016	F.Y.	2019
156,443	118,940	37,503	-	7,070,804	303,844	F.Y.	2020
35,391	25,695	9,696	-	1,798,968	303,844	Q1	2021
38,246	28,536	9,710	-	1,817,857	324,433	Q2	
35,327	26,988	8,339	-	1,711,536	309,917	Q3	
44,408	34,028	10,380	-	1,626,256	339,669	Q4	
11,811	-8,413	3,398	-	594,816	308,518	Jan.	2021
12,377	9,510	2,867	-	561,165	330,291	Feb.	
11,203	7,772	3,431	-	642,987	303,844	Mar.	
12,515	9,105	3,410	-	606,602	308,238	Apr.	
12,809	9,674	3,135	-	591,141	343,896	May	
12,922	9,757	3,165	-	620,114	324,433	Jun.	
9,958	8,194	1,764	-	597,366	318,421	Jul.	
12,791	9,600	3,191	-	561,763	318,415	Aug.	
12,578	9,194	3,384	-	552,407	309,917	Sep.	
16,202	12,853	3,349	-	577,807	295,240	Oct.	
13,585	10,157	3,428	-	534,717	306,853	Nov.	
14,621	11,018	3,603	-	513,732	339,669	Dec.	

タール			Tar		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	307,415	155,463	407,967	-	-
30	304,087	156,762	437,729	-	-
令和 1 年	274,203	158,983	403,884	-	-
2	282,225	128,758	385,780	-	-
3	305,664	128,575	418,767	-	-
令和 1 年度	264,399	151,739	392,675	-	-
2	282,321	132,633	393,440	-	-
3 年 1~3月	76,720	35,379	112,054	-	-
4~6	71,075	34,511	108,001	-	-
7~9	68,965	28,873	82,407	-	-
10~12	88,904	29,812	116,305	-	-
3 年 1月	22,261	12,908	35,550	-	-
2	25,475	11,289	38,130	-	-
3	28,984	11,182	38,374	-	-
4	29,488	10,539	40,486	-	-
5	24,730	12,279	37,045	-	-
6	16,857	11,693	30,470	-	-
7	14,533	8,692	13,264	-	-
8	24,932	10,535	28,948	-	-
9	29,500	9,646	40,195	-	-
10	26,385	10,248	34,908	-	-
11	30,100	9,872	38,435	-	-
12	32,419	9,692	42,962	-	-

コークス炉ガス			Coke oven gas		
平成 29 年	82,892	3,021,579	1,298,115	46,765	-
30	79,347	3,070,645	1,342,810	46,782	-
令和 1 年	83,155	3,058,661	1,346,935	43,259	-
2	71,887	2,774,598	1,218,432	42,545	-
3	62,996	2,731,091	1,208,551	40,886	-
令和 1 年度	81,769	3,004,081	1,315,473	42,742	-
2	65,791	2,780,889	1,214,473	42,053	-
3 年 1~3月	14,384	711,884	306,559	10,465	-
4~6	16,163	713,996	316,158	10,242	-
7~9	16,419	665,820	290,694	9,893	-
10~12	16,030	639,391	295,140	10,286	-
3 年 1月	5,144	245,502	105,920	3,671	-
2	4,765	227,108	97,182	3,224	-
3	4,475	239,274	103,457	3,570	-
4	5,323	236,177	104,114	3,416	-
5	5,670	244,399	110,228	3,612	-
6	5,170	233,420	101,816	3,214	-
7	5,826	232,767	99,039	3,006	-
8	5,567	221,367	96,511	3,236	-
9	5,026	211,686	95,144	3,651	-
10	5,579	218,320	98,763	3,169	-
11	4,972	207,978	96,563	3,472	-
12	5,479	213,093	99,814	3,645	-

高炉ガス			Blast furnace gas		
平成 29 年	1,159,726	-	1,159,726	-	-
30	1,279,371	-	1,279,371	-	-
令和 1 年	1,240,346	-	1,240,346	-	-
2	1,226,709	-	1,226,709	-	-
3	1,285,737	-	1,285,737	-	-
令和 1 年度	1,271,908	-	1,271,908	-	-
2	1,229,790	-	1,229,790	-	-
3 年 1~3月	329,653	-	329,653	-	-
4~6	312,979	-	312,979	-	-
7~9	319,023	-	319,023	-	-
10~12	324,082	-	324,082	-	-
3 年 1月	109,776	-	109,776	-	-
2	109,776	-	109,776	-	-
3	110,101	-	110,101	-	-
4	104,183	-	104,183	-	-
5	106,662	-	106,662	-	-
6	102,134	-	102,134	-	-
7	106,361	-	106,361	-	-
8	107,607	-	107,607	-	-
9	105,055	-	105,055	-	-
10	109,502	-	109,502	-	-
11	103,522	-	103,522	-	-
12	111,058	-	111,058	-	-

単位 Unit : t

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
407,967	407,967	-	-	49,299	34,192	C.Y.	2017
437,729	437,729	-	-	23,878	33,435	C.Y.	2018
403,884	403,884	-	-	34,315	28,424	C.Y.	2019
385,780	385,780	-	-	26,322	27,304	C.Y.	2020
418,767	418,767	-	-	15,244	27,536	C.Y.	2021
392,675	392,675	-	-	32,078	27,866	F.Y.	2019
393,440	393,440	-	-	22,713	26,666	F.Y.	2020
112,054	112,054	-	-	683	26,666	Q1	2021
108,001	108,001	-	-	4,380	19,873	Q2	
82,407	82,407	-	-	10,181	25,124	Q3	
116,305	116,305	-	-	-	27,536	Q4	
35,550	35,550	-	-	594	26,329	Jan.	2021
38,130	38,130	-	-	89	24,875	Feb.	
38,374	38,374	-	-	-	26,666	Mar.	
40,486	40,486	-	-	-	26,208	Apr.	
37,045	37,045	-	-	1,264	24,908	May	
30,470	30,470	-	-	3,116	19,873	Jun.	
13,264	13,264	-	-	5,433	24,401	Jul.	
28,948	28,948	-	-	4,686	26,235	Aug.	
40,195	40,195	-	-	62	25,124	Sep.	
34,908	34,908	-	-	-	26,849	Oct.	
38,435	38,435	-	-	-	28,386	Nov.	
42,962	42,962	-	-	-	27,536	Dec.	

単位 Unit : 1000m³

1,251,350	2,947	1,239,424	8,979	1,806,361	...	C.Y.	2017
1,296,028	2,896	1,284,382	8,750	1,738,668	...	C.Y.	2018
1,303,676	2,972	1,291,015	9,689	1,794,874	...	C.Y.	2019
1,175,887	2,334	1,163,221	10,332	1,756,090	...	C.Y.	2020
1,167,665	1,796	1,158,033	7,836	1,595,748	...	C.Y.	2021
1,272,731	2,838	1,260,641	9,252	1,770,367	...	F.Y.	2019
1,172,420	1,978	1,160,878	9,564	1,760,247	...	F.Y.	2020
296,094	379	294,265	1,450	419,713	...	Q1	2021
305,916	429	302,831	2,656	424,213	...	Q2	
280,801	483	278,491	1,827	391,550	...	Q3	
284,854	505	282,446	1,903	360,272	...	Q4	
102,249	170	101,444	635	144,722	...	Jan.	2021
93,958	145	93,635	178	134,697	...	Feb.	
99,887	64	99,186	637	140,294	...	Mar.	
100,698	96	99,511	1,091	147,604	...	Apr.	
106,616	166	105,363	1,087	139,839	...	May	
98,602	167	97,957	478	136,770	...	Jun.	
96,033	156	95,227	650	139,553	...	Jul.	
93,275	151	92,590	534	130,437	...	Aug.	
91,493	176	90,674	643	121,560	...	Sep.	
95,594	163	94,488	943	125,138	...	Oct.	
93,091	169	92,471	451	116,394	...	Nov.	
96,169	173	95,487	509	118,740	...	Dec.	

単位 Unit : 1000m³

1,159,726	-	1,159,726	-	-	...	C.Y.	2017
1,279,371	-	1,279,371	-	-	...	C.Y.	2018
1,240,346	-	1,240,346	-	-	...	C.Y.	2019
1,226,709	-	1,226,709	-	-	...	C.Y.	2020
1,285,737	-	1,285,737	-	-	...	C.Y.	2021
1,271,908	-	1,271,908	-	-	...	F.Y.	2019
1,229,790	-	1,229,790	-	-	...	F.Y.	2020
329,653	-	329,653	-	-	...	Q1	2021
312,979	-	312,979	-	-	...	Q2	
319,023	-	319,023	-	-	...	Q3	
324,082	-	324,082	-	-	...	Q4	
109,776	-	109,776	-	-	...	Jan.	2021
109,776	-	109,776	-	-	...	Feb.	
110,101	-	110,101	-	-	...	Mar.	
104,183	-	104,183	-	-	...	Apr.	
106,662	-	106,662	-	-	...	May	
102,134	-	102,134	-	-	...	Jun.	
106,361	-	106,361	-	-	...	Jul.	
107,607	-	107,607	-	-	...	Aug.	
105,055	-	105,055	-	-	...	Sep.	
109,502	-	109,502	-	-	...	Oct.	
103,522	-	103,522	-	-	...	Nov.	
111,058	-	111,058	-	-	...	Dec.	

転炉ガス			Converter gas			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	-	-	-	-	-	
平成 30 年	-	-	-	-	-	
令和 1 年	-	-	-	-	-	
令和 2 年	-	-	-	-	-	
令和 3 年	-	-	-	-	-	
令和 1 年度	-	-	-	-	-	
令和 2 年度	-	-	-	-	-	
令和 3 年 1~3月	-	-	-	-	-	
令和 3 年 4~6月	-	-	-	-	-	
令和 3 年 7~9月	-	-	-	-	-	
令和 3 年 10~12月	-	-	-	-	-	
令和 3 年 1月	-	-	-	-	-	
令和 3 年 2月	-	-	-	-	-	
令和 3 年 3月	-	-	-	-	-	
令和 3 年 4月	-	-	-	-	-	
令和 3 年 5月	-	-	-	-	-	
令和 3 年 6月	-	-	-	-	-	
令和 3 年 7月	-	-	-	-	-	
令和 3 年 8月	-	-	-	-	-	
令和 3 年 9月	-	-	-	-	-	
令和 3 年 10月	-	-	-	-	-	
令和 3 年 11月	-	-	-	-	-	
令和 3 年 12月	-	-	-	-	-	

天然ガス			Natural gas			
平成 29 年	378,390	92,661	457,249	205,528	81,440	
平成 30 年	407,636	76,526	470,499	206,583	83,195	
令和 1 年	381,598	71,008	441,373	210,104	76,848	
令和 2 年	367,298	62,486	418,662	172,000	81,082	
令和 3 年	402,351	56,391	448,852	182,808	113,082	
令和 1 年度	375,446	70,359	434,707	187,001	77,851	
令和 2 年度	369,925	59,176	417,919	186,082	87,972	
令和 3 年 1~3月	107,830	14,786	120,134	54,684	26,756	
令和 3 年 4~6月	96,748	13,985	108,164	41,636	30,918	
令和 3 年 7~9月	93,196	13,758	104,384	37,670	30,244	
令和 3 年 10~12月	104,577	13,862	116,170	48,818	25,164	
令和 3 年 1月	40,902	5,250	45,282	19,535	9,188	
令和 3 年 2月	32,976	4,764	36,964	17,441	8,222	
令和 3 年 3月	33,952	4,772	37,888	17,708	9,346	
令和 3 年 4月	35,767	4,535	39,445	16,492	9,077	
令和 3 年 5月	34,296	4,687	38,107	14,320	10,907	
令和 3 年 6月	26,685	4,763	30,612	10,824	10,934	
令和 3 年 7月	33,023	4,648	36,869	14,195	11,559	
令和 3 年 8月	31,454	4,810	35,533	13,154	9,400	
令和 3 年 9月	28,719	4,300	31,982	10,321	9,285	
令和 3 年 10月	30,301	4,559	34,104	13,944	5,702	
令和 3 年 11月	35,839	4,595	39,687	16,157	9,248	
令和 3 年 12月	38,437	4,708	42,379	18,717	10,214	

液化天然ガス			Liquefied natural gas			
平成 29 年	822,938	...	676,986	100,739	214,262	
平成 30 年	853,751	...	716,301	126,013	200,721	
令和 1 年	802,445	...	666,542	114,062	203,462	
令和 2 年	779,701	...	652,584	92,641	201,706	
令和 3 年	822,819	...	683,772	109,920	208,138	
令和 1 年度	800,960	...	665,550	107,310	202,907	
令和 2 年度	797,035	...	667,189	98,082	200,923	
令和 3 年 1~3月	219,171	...	182,009	27,738	49,731	
令和 3 年 4~6月	205,435	...	174,407	23,707	57,585	
令和 3 年 7~9月	217,594	...	181,925	31,701	50,686	
令和 3 年 10~12月	180,619	...	145,431	26,774	50,136	
令和 3 年 1月	80,390	...	67,883	11,159	19,136	
令和 3 年 2月	64,722	...	52,858	8,493	12,797	
令和 3 年 3月	74,059	...	61,268	8,086	17,798	
令和 3 年 4月	70,160	...	58,883	8,333	18,511	
令和 3 年 5月	68,146	...	58,176	7,077	19,995	
令和 3 年 6月	67,129	...	57,348	8,297	19,079	
令和 3 年 7月	75,747	...	63,023	13,063	13,435	
令和 3 年 8月	73,475	...	62,338	10,985	17,389	
令和 3 年 9月	68,372	...	56,564	7,653	19,862	
令和 3 年 10月	54,979	...	46,944	8,342	14,538	
令和 3 年 11月	51,666	...	39,775	9,468	15,418	
令和 3 年 12月	73,974	...	58,712	8,964	20,180	

単位 Unit : 1000m³

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	Q2
-	-	-	-	-	-	Q3
-	-	-	-	-	-	Q4
-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	Feb.
-	-	-	-	-	-	Mar.
-	-	-	-	-	-	Apr.
-	-	-	-	-	-	May
-	-	-	-	-	-	Jun.
-	-	-	-	-	-	Jul.
-	-	-	-	-	-	Aug.
-	-	-	-	-	-	Sep.
-	-	-	-	-	-	Oct.
-	-	-	-	-	-	Nov.
-	-	-	-	-	-	Dec.

単位 Unit : 1000m³

170,281	50,801	99,058	20,422	14,737	-	C.Y. 2017
180,721	51,989	103,592	25,140	14,875	-	C.Y. 2018
154,421	51,616	84,083	18,722	11,893	-	C.Y. 2019
165,580	50,434	78,406	36,740	12,295	-	C.Y. 2020
152,962	50,222	87,049	15,691	11,069	-	C.Y. 2021
169,855	52,404	81,419	36,032	11,993	-	F.Y. 2019
143,865	49,976	73,682	20,207	12,356	-	F.Y. 2020
38,694	13,057	20,626	5,011	2,795	-	Q1 2021
35,610	10,685	20,696	4,229	2,659	-	Q2
36,470	13,256	19,072	4,142	2,920	-	Q3
42,188	13,224	26,655	2,309	2,695	-	Q4
16,559	4,870	9,873	1,816	956	-	Jan. 2021
11,301	3,999	5,743	1,559	856	-	Feb.
10,834	4,188	5,010	1,636	983	-	Mar.
13,876	4,402	7,913	1,561	901	-	Apr.
12,880	4,521	6,501	1,858	876	-	May
8,854	1,762	6,282	810	882	-	Jun.
11,115	4,715	4,993	1,407	906	-	Jul.
12,979	4,426	6,605	1,948	847	-	Aug.
12,376	4,115	7,474	787	1,167	-	Sep.
14,458	4,324	9,418	716	898	-	Oct.
14,282	4,532	8,970	780	886	-	Nov.
13,448	4,368	8,267	813	911	-	Dec.

単位 Unit : t

361,985	149,159	212,674	152	145,938	188	C.Y. 2017
389,567	160,710	228,737	120	137,451	186	C.Y. 2018
349,018	134,773	214,040	205	135,913	174	C.Y. 2019
358,237	149,567	206,312	2,358	126,747	195	C.Y. 2020
365,714	164,589	200,728	397	138,563	68	C.Y. 2021
355,333	142,977	212,144	212	135,312	190	F.Y. 2019
368,184	153,790	211,980	2,414	129,472	195	F.Y. 2020
104,540	44,733	59,696	111	37,065	195	Q1 2021
93,115	45,845	47,194	76	30,901	203	Q2
99,538	46,613	52,792	133	35,533	80	Q3
68,521	27,398	41,046	77	35,064	68	Q4
37,588	15,230	22,337	21	12,474	189	Jan. 2021
31,568	13,645	17,908	15	11,838	168	Feb.
35,384	15,858	19,451	75	12,753	195	Mar.
32,039	15,313	16,698	28	11,268	203	Apr.
31,104	15,748	15,330	26	9,930	220	May
29,972	14,784	15,166	22	9,703	203	Jun.
36,525	15,836	20,645	44	12,660	184	Jul.
33,964	15,661	18,257	46	11,146	66	Aug.
29,049	15,116	13,890	43	11,727	80	Sep.
24,064	10,192	13,856	16	7,951	71	Oct.
14,889	3,085	11,784	20	11,857	69	Nov.
29,568	14,121	15,406	41	15,256	68	Dec.

都市ガス(A)			Town gas(A)		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	429,530	...	429,530	83,730	200,449
30	400,401	...	400,401	78,839	178,793
令和 1 年	408,005	...	408,005	82,110	183,645
2	405,533	...	405,533	80,468	186,424
3	496,623	...	496,623	104,800	220,618
令和 1 年度	408,556	...	408,556	83,290	182,591
2	408,267	...	408,267	78,348	192,459
3 年 1~3月	105,518	...	105,518	17,621	53,905
4~6	132,734	...	132,734	32,864	59,305
7~9	129,685	...	129,685	29,023	54,977
10~12	128,686	...	128,686	25,292	52,431
3 年 1月	38,898	...	38,898	6,297	19,443
2	31,817	...	31,817	5,498	17,084
3	34,803	...	34,803	5,826	17,378
4	45,439	...	45,439	13,907	18,840
5	47,673	...	47,673	12,053	21,551
6	39,622	...	39,622	6,904	18,914
7	41,450	...	41,450	10,483	17,732
8	44,770	...	44,770	10,793	17,919
9	43,465	...	43,465	7,747	19,326
10	41,060	...	41,060	7,705	17,056
11	43,358	...	43,358	11,409	15,756
12	44,268	...	44,268	6,178	19,619

都市ガス(B)			Town gas(B)		
平成 29 年	444,381	...	444,385	89,697	199,388
30	415,996	...	415,994	84,693	178,605
令和 1 年	421,989	...	421,981	88,041	181,835
2	420,213	...	420,208	86,533	185,928
3	517,241	...	517,246	112,667	223,003
令和 1 年度	422,804	...	422,799	89,324	181,184
2	422,761	...	422,753	84,192	192,114
3 年 1~3月	109,539	...	109,537	18,883	54,489
4~6	138,121	...	138,121	35,217	59,789
7~9	135,160	...	135,163	31,274	55,504
10~12	134,421	...	134,425	27,293	53,221
3 年 1月	40,210	...	40,208	6,745	19,534
2	33,312	...	33,313	5,895	17,504
3	36,017	...	36,016	6,243	17,451
4	47,235	...	47,236	14,806	18,927
5	49,680	...	49,680	12,919	21,813
6	41,206	...	41,205	7,492	19,049
7	43,267	...	43,266	11,270	17,882
8	46,594	...	46,594	11,605	18,003
9	45,299	...	45,303	8,399	19,619
10	43,073	...	43,075	8,322	17,484
11	45,218	...	45,220	12,331	15,824
12	46,130	...	46,130	6,640	19,913

廃タイヤ			Used tires		
平成 29 年	168,988	-	167,007	166,394	-
30	157,379	-	158,452	158,431	-
令和 1 年	174,282	-	174,638	174,638	-
2	180,202	-	181,200	181,200	-
3	179,426	-	179,222	179,222	-
令和 1 年度	175,908	-	176,757	176,757	-
2	179,868	-	181,190	181,190	-
3 年 1~3月	49,674	-	50,604	50,604	-
4~6	47,095	-	46,285	46,285	-
7~9	46,033	-	45,580	45,580	-
10~12	36,624	-	36,753	36,753	-
3 年 1月	16,132	-	17,713	17,713	-
2	16,434	-	16,311	16,311	-
3	17,108	-	16,580	16,580	-
4	16,932	-	15,931	15,931	-
5	13,862	-	14,869	14,869	-
6	16,301	-	15,485	15,485	-
7	16,092	-	15,319	15,319	-
8	13,404	-	14,345	14,345	-
9	16,537	-	15,916	15,916	-
10	4,552	-	6,045	6,045	-
11	10,814	-	10,222	10,222	-
12	21,258	-	20,486	20,486	-

単位 Unit : 1000m³

費 Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
145,351	...	121,069	24,282	...	...	C.Y. 2017
142,769	...	117,673	25,096	...	...	C.Y. 2018
142,250	...	117,324	24,926	...	...	C.Y. 2019
138,641	...	113,040	25,601	...	...	C.Y. 2020
171,205	...	140,674	30,531	...	...	C.Y. 2021
142,675	...	118,542	24,133	...	...	F.Y. 2019
137,460	...	110,602	26,858	...	...	F.Y. 2020
33,992	...	26,768	7,224	...	...	Q1 2021
40,565	...	32,685	7,880	...	...	Q2
45,685	...	37,971	7,714	...	...	Q3
50,963	...	43,250	7,713	...	...	Q4
13,158	...	10,464	2,694	...	...	Jan. 2021
9,235	...	6,760	2,475	...	...	Feb.
11,599	...	9,544	2,055	...	...	Mar.
12,692	...	10,047	2,645	...	...	Apr.
14,069	...	11,375	2,694	...	...	May
13,804	...	11,263	2,541	...	...	Jun.
13,235	...	10,640	2,595	...	...	Jul.
16,058	...	13,476	2,582	...	...	Aug.
16,392	...	13,855	2,537	...	...	Sep.
16,299	...	13,513	2,786	...	...	Oct.
16,193	...	14,724	1,469	...	...	Nov.
18,471	...	15,013	3,458	...	...	Dec.

単位 Unit : 1000m³

155,300	...	129,120	26,175	...	...	C.Y. 2017
152,696	...	125,608	27,100	...	...	C.Y. 2018
152,105	...	125,170	26,936	...	...	C.Y. 2019
147,747	...	120,100	27,654	...	...	C.Y. 2020
181,576	...	148,393	33,179	...	...	C.Y. 2021
152,291	...	126,239	26,059	...	...	F.Y. 2019
146,447	...	117,414	29,035	...	...	F.Y. 2020
36,165	...	28,336	7,829	...	...	Q1 2021
43,115	...	34,574	8,538	...	...	Q2
48,385	...	40,019	8,363	...	...	Q3
53,911	...	45,464	8,449	...	...	Q4
13,929	...	11,016	2,913	...	...	Jan. 2021
9,914	...	7,227	2,686	...	...	Feb.
12,322	...	10,093	2,230	...	...	Mar.
13,503	...	10,635	2,866	...	...	Apr.
14,948	...	12,029	2,919	...	...	May
14,664	...	11,910	2,753	...	...	Jun.
14,114	...	11,298	2,816	...	...	Jul.
16,986	...	14,187	2,798	...	...	Aug.
17,285	...	14,534	2,749	...	...	Sep.
17,269	...	14,208	3,061	...	...	Oct.
17,065	...	15,490	1,577	...	...	Nov.
19,577	...	15,766	3,811	...	...	Dec.

単位 Unit : t

613	-	613	-	-	6,896	C.Y. 2017
21	-	21	-	-	4,379	C.Y. 2018
-	-	-	-	-	4,025	C.Y. 2019
-	-	-	-	-	3,028	C.Y. 2020
-	-	-	-	-	3,015	C.Y. 2021
-	-	-	-	-	3,420	F.Y. 2019
-	-	-	-	-	1,918	F.Y. 2020
-	-	-	-	-	1,918	Q1 2021
-	-	-	-	-	2,728	Q2
-	-	-	-	-	3,146	Q3
-	-	-	-	-	3,015	Q4
-	-	-	-	-	1,447	Jan. 2021
-	-	-	-	-	1,569	Feb.
-	-	-	-	-	1,918	Mar.
-	-	-	-	-	2,919	Apr.
-	-	-	-	-	1,912	May
-	-	-	-	-	2,728	Jun.
-	-	-	-	-	3,423	Jul.
-	-	-	-	-	2,483	Aug.
-	-	-	-	-	3,146	Sep.
-	-	-	-	-	1,652	Oct.
-	-	-	-	-	2,244	Nov.
-	-	-	-	-	3,015	Dec.

廃プラスチック			Waste plastic			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	36,104	45,322	81,584	-	-	
30	32,534	44,663	77,154	-	-	
令和 1 年	37,271	53,980	91,279	-	-	
2	38,659	43,751	82,596	-	-	
3	40,474	47,119	87,385	-	-	
令和 1 年度	39,454	53,781	93,179	-	-	
2	39,292	43,231	82,028	-	-	
3 年 1~3月	10,746	7,026	17,672	-	-	
4~6	9,786	13,628	23,588	-	-	
7~9	10,640	13,409	24,157	-	-	
10~12	9,302	13,056	21,968	-	-	
3 年 1月	3,473	4,583	7,992	-	-	
2	3,365	77	3,579	-	-	
3	3,908	2,366	6,101	-	-	
4	3,845	4,849	8,668	-	-	
5	3,447	4,196	7,851	-	-	
6	2,494	4,583	7,069	-	-	
7	3,286	5,292	8,603	-	-	
8	3,771	4,986	8,547	-	-	
9	3,583	3,131	7,007	-	-	
10	3,619	4,583	8,322	-	-	
11	2,879	3,903	6,743	-	-	
12	2,804	4,570	6,903	-	-	

RPF			Refuse Paper & Plastic Fuel			
平成 29 年	-	-	-	-	-	
30	-	-	-	-	-	
令和 1 年	-	-	-	-	-	
2	9,471	-	9,471	9,471	-	
3	15,669	-	15,669	15,669	-	
令和 1 年度	-	-	-	-	-	
2	13,310	-	13,310	13,310	-	
3 年 1~3月	3,839	-	3,839	3,839	-	
4~6	3,660	-	3,660	3,660	-	
7~9	4,443	-	4,443	4,443	-	
10~12	3,727	-	3,727	3,727	-	
3 年 1月	1,606	-	1,606	1,606	-	
2	1,404	-	1,404	1,404	-	
3	829	-	829	829	-	
4	1,138	-	1,138	1,138	-	
5	1,323	-	1,323	1,323	-	
6	1,199	-	1,199	1,199	-	
7	1,346	-	1,346	1,346	-	
8	1,517	-	1,517	1,517	-	
9	1,580	-	1,580	1,580	-	
10	1,381	-	1,381	1,381	-	
11	1,517	-	1,517	1,517	-	
12	829	-	829	829	-	

費 Consumption				単位 Unit : t		
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
81,584	67,873	13,711	-	-	790	C.Y. 2017
77,154	62,773	14,381	-	-	833	C.Y. 2018
91,279	76,764	14,515	-	-	805	C.Y. 2019
82,596	66,884	15,712	-	-	619	C.Y. 2020
87,385	69,594	17,791	-	-	827	C.Y. 2021
93,179	78,087	15,092	-	-	224	F.Y. 2019
82,028	65,872	16,156	-	-	719	F.Y. 2020
17,672	12,511	5,161	-	-	719	Q1 2021
23,588	19,041	4,547	-	-	545	Q2
24,157	19,213	4,944	-	-	437	Q3
21,968	18,829	3,139	-	-	827	Q4
7,992	6,296	1,696	-	-	683	Jan. 2021
3,579	1,941	1,638	-	-	546	Feb.
6,101	4,274	1,827	-	-	719	Mar.
8,668	6,865	1,803	-	-	745	Apr.
7,851	6,136	1,715	-	-	537	May
7,069	6,040	1,029	-	-	545	Jun.
8,603	7,092	1,511	-	-	520	Jul.
8,547	7,073	1,474	-	-	730	Aug.
7,007	5,048	1,959	-	-	437	Sep.
8,322	6,217	2,105	-	-	317	Oct.
6,743	5,907	836	-	-	356	Nov.
6,903	6,705	198	-	-	827	Dec.

単位 Unit : t						
-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	Q2
-	-	-	-	-	-	Q3
-	-	-	-	-	-	Q4
-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	Feb.
-	-	-	-	-	-	Mar.
-	-	-	-	-	-	Apr.
-	-	-	-	-	-	May
-	-	-	-	-	-	Jun.
-	-	-	-	-	-	Jul.
-	-	-	-	-	-	Aug.
-	-	-	-	-	-	Sep.
-	-	-	-	-	-	Oct.
-	-	-	-	-	-	Nov.
-	-	-	-	-	-	Dec.

⑦ 窯業・土石製品工業
 合計(原油換算)

Ceramics, clay and stone products industry
 Total(Crude petroleum equivalent)

年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
			ネット Net			
平成 29 年	9,630,101	1,725	9,652,636	9,654,362	3,716,130	55,694
30	9,747,653	1,770	9,640,535	9,642,305	3,754,539	56,926
令和 1 年	9,410,985	1,024	9,389,955	9,390,979	3,697,304	54,356
2	9,084,732	1,108	9,087,275	9,088,382	3,638,065	59,667
3	9,188,058	-	9,122,086	9,122,086	3,648,564	75,021
令和 1 年度	9,331,564	848	9,400,074	9,400,921	3,729,116	54,028
2	9,018,594	1,108	8,954,065	8,955,173	3,596,104	64,710
3 年 1~3月	2,252,234	-	2,267,383	2,267,383	929,534	19,543
4~6	2,037,409	-	2,128,376	2,128,376	796,439	20,861
7~9	2,479,549	-	2,344,729	2,344,729	973,539	21,078
10~12	2,418,867	-	2,381,598	2,381,598	949,052	13,539
3 年 1月	748,841	-	756,393	756,393	319,163	6,663
2	625,521	-	717,522	717,522	284,693	6,045
3	877,871	-	793,468	793,468	325,678	6,834
4	604,148	-	739,649	739,649	305,725	6,650
5	727,859	-	723,785	723,785	251,017	6,869
6	705,401	-	664,942	664,942	239,697	7,342
7	757,224	-	765,718	765,718	309,961	8,160
8	811,442	-	803,619	803,619	341,875	7,519
9	910,882	-	775,392	775,392	321,703	5,399
10	798,107	-	789,289	789,289	310,067	1,558
11	778,640	-	755,013	755,013	305,611	5,423
12	842,119	-	837,295	837,295	333,374	6,558

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

平成 29 年	1,870,551	-	1,847,069	193,298	12,712
30	1,847,534	-	1,823,919	176,250	12,309
令和 1 年	1,847,683	-	1,809,240	157,405	12,405
2	1,756,846	-	1,733,445	159,967	15,255
3	1,787,813	-	1,742,505	172,661	12,396
令和 1 年度	1,858,326	-	1,818,369	154,910	12,065
2	1,743,891	-	1,688,292	163,078	16,614
3 年 1~3月	445,082	-	414,188	40,878	3,908
4~6	450,172	-	423,336	36,958	2,893
7~9	431,819	-	436,469	47,714	3,186
10~12	460,739	-	468,512	47,111	2,410
3 年 1月	134,778	-	124,494	12,063	1,472
2	122,762	-	132,194	12,952	1,187
3	187,542	-	157,500	15,864	1,249
4	162,570	-	158,832	15,610	1,069
5	116,894	-	135,160	10,358	848
6	170,709	-	129,344	10,990	975
7	117,682	-	148,598	16,330	1,226
8	132,790	-	143,612	15,833	1,066
9	181,348	-	144,260	15,551	894
10	153,118	-	162,162	16,812	807
11	133,285	-	147,152	14,960	770
12	174,336	-	159,198	15,339	833

ガソリン

Gasoline

平成 29 年	301	...	301	...	...
30	325	...	325	...	...
令和 1 年	347	...	347	...	...
2	295	...	306	...	...
3	336	...	348	...	...
令和 1 年度	356	...	358	...	...
2	321	...	333	...	...
3 年 1~3月	105	...	108	...	...
4~6	79	...	82	...	...
7~9	71	...	74	...	...
10~12	81	...	84	...	...
3 年 1月	35	...	36	...	...
2	33	...	34	...	...
3	37	...	38	...	...
4	23	...	24	...	...
5	35	...	36	...	...
6	21	...	22	...	...
7	26	...	27	...	...
8	22	...	23	...	...
9	23	...	24	...	...
10	24	...	25	...	...
11	24	...	25	...	...
12	33	...	34	...	...

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,882,538	104,277	5,660,166	118,096	23,374	883,274	C.Y. 2017
5,830,840	113,161	5,605,926	111,753	37,919	969,412	C.Y. 2018
5,639,318	115,387	5,422,489	101,442	29,735	958,244	C.Y. 2019
5,390,651	86,254	5,205,992	98,405	48,326	910,699	C.Y. 2020
5,398,501	101,513	5,196,903	100,087	75,892	931,421	C.Y. 2021
5,617,778	107,108	5,413,535	97,135	28,041	869,213	F.Y. 2019
5,294,359	83,491	5,111,115	99,755	51,005	906,445	F.Y. 2020
1,318,306	21,429	1,271,610	25,267	10,281	906,445	Q1 2021
1,311,077	30,326	1,256,605	24,145	20,299	798,643	Q2
1,350,112	27,024	1,297,954	25,133	10,236	929,321	Q3
1,419,007	22,733	1,370,734	25,541	35,075	931,421	Q4
430,567	5,900	415,402	9,265	1,529	922,694	Jan. 2021
426,783	7,285	411,832	7,668	6,763	823,564	Feb.
460,956	8,244	444,377	8,334	1,990	906,445	Mar.
427,274	9,541	410,325	7,409	1,991	769,261	Apr.
465,898	9,986	447,795	8,118	11,478	765,030	May
417,904	10,800	398,485	8,619	6,830	798,643	Jun.
447,597	8,557	430,755	8,285	2,634	787,429	Jul.
454,225	9,475	436,740	8,010	5,474	789,783	Aug.
448,290	8,993	430,459	8,838	2,128	929,321	Sep.
477,665	7,621	461,203	8,841	5,570	932,509	Oct.
443,979	6,984	428,634	8,361	17,183	938,938	Nov.
497,364	8,128	480,896	8,339	12,322	931,421	Dec.

単位 Unit : kl

1,641,059	50,166	1,521,956	68,938	22,917	191,944	C.Y. 2017
1,635,360	56,683	1,512,302	66,375	34,459	179,240	C.Y. 2018
1,639,430	49,505	1,528,735	61,191	27,358	190,295	C.Y. 2019
1,558,223	37,024	1,463,508	57,691	47,752	165,934	C.Y. 2020
1,557,447	48,976	1,451,504	56,967	50,630	181,245	C.Y. 2021
1,651,393	48,085	1,544,214	59,094	25,427	181,835	F.Y. 2019
1,508,599	35,773	1,414,691	58,135	50,693	198,046	F.Y. 2020
369,402	9,738	344,575	15,089	10,157	198,046	Q1 2021
383,485	14,977	355,570	12,938	20,218	214,060	Q2
385,569	13,304	358,214	14,051	10,144	199,225	Q3
418,991	10,957	393,145	14,889	10,110	181,245	Q4
110,958	2,745	103,031	5,183	1,491	186,411	Jan. 2021
118,056	3,454	109,886	4,716	6,724	169,939	Feb.
140,388	3,539	131,658	5,190	1,942	198,046	Mar.
142,152	4,796	133,121	4,235	1,961	202,463	Apr.
123,954	4,961	114,765	4,227	11,457	179,515	May
117,379	5,220	107,684	4,476	6,801	214,060	Jun.
131,042	4,171	122,306	4,565	2,606	180,518	Jul.
126,713	4,638	117,732	4,342	5,444	164,253	Aug.
127,815	4,495	118,176	5,144	2,094	199,225	Sep.
144,543	3,687	135,313	5,542	3,797	186,323	Oct.
131,422	3,396	123,743	4,283	3,442	168,998	Nov.
143,026	3,874	134,088	5,064	2,870	181,245	Dec.

単位 Unit : kl

301	...	...	301	1	-	C.Y. 2017
325	...	...	325	-	-	C.Y. 2018
347	...	...	347	-	-	C.Y. 2019
306	...	...	306	-	-	C.Y. 2020
348	...	...	348	-	-	C.Y. 2021
358	...	...	358	-	-	F.Y. 2019
333	...	...	333	-	-	F.Y. 2020
108	...	...	108	-	-	Q1 2021
82	...	...	82	-	-	Q2
74	...	...	74	-	-	Q3
84	...	...	84	-	-	Q4
36	...	...	36	-	-	Jan. 2021
34	...	...	34	-	-	Feb.
38	...	...	38	-	-	Mar.
24	...	...	24	-	-	Apr.
36	...	...	36	-	-	May
22	...	...	22	-	-	Jun.
27	...	...	27	-	-	Jul.
23	...	...	23	-	-	Aug.
24	...	...	24	-	-	Sep.
25	...	...	25	-	-	Oct.
25	...	...	25	-	-	Nov.
34	...	...	34	-	-	Dec.

灯油			Kerosene				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	25,813	...	25,942	2,348	-		
30	27,448	...	27,326	2,499	-		
令和 1 年	27,180	...	27,220	2,207	-		
2	22,748	...	23,468	2,041	-		
3	16,495	...	16,696	1,635	-		
令和 1 年度	26,683	...	26,734	2,192	-		
2	20,865	...	21,634	2,040	-		
3 年 1~3月	4,372	...	4,453	596	-		
4~6	3,960	...	4,011	437	-		
7~9	3,492	...	3,636	227	-		
10~12	4,671	...	4,596	375	-		
3 年 1月	1,663	...	1,844	184	-		
2	1,376	...	1,276	191	-		
3	1,333	...	1,333	221	-		
4	1,581	...	1,592	165	-		
5	1,158	...	1,300	177	-		
6	1,221	...	1,119	95	-		
7	1,451	...	1,470	81	-		
8	1,048	...	1,095	69	-		
9	993	...	1,071	77	-		
10	1,556	...	1,582	99	-		
11	1,397	...	1,365	138	-		
12	1,718	...	1,649	138	-		

軽油			Gas oil				
平成 29 年	12,847	...	12,750	-	-		
30	12,870	...	12,804	-	-		
令和 1 年	13,443	...	13,380	-	-		
2	13,434	...	13,368	-	-		
3	12,975	...	12,969	-	-		
令和 1 年度	13,620	...	13,567	-	-		
2	13,221	...	13,154	-	-		
3 年 1~3月	3,068	...	3,071	-	-		
4~6	3,423	...	3,391	-	-		
7~9	3,216	...	3,243	-	-		
10~12	3,268	...	3,264	-	-		
3 年 1月	974	...	982	-	-		
2	990	...	989	-	-		
3	1,104	...	1,100	-	-		
4	1,134	...	1,124	-	-		
5	1,108	...	1,103	-	-		
6	1,181	...	1,164	-	-		
7	1,118	...	1,112	-	-		
8	1,011	...	1,029	-	-		
9	1,087	...	1,102	-	-		
10	1,084	...	1,101	-	-		
11	1,032	...	1,045	-	-		
12	1,152	...	1,118	-	-		

重油計			Heavy fuel oil total				
平成 29 年	459,337	...	464,283	13,756	11,745		
30	457,289	...	460,287	15,119	11,372		
令和 1 年	464,804	...	460,566	13,659	11,458		
2	422,608	...	420,268	13,485	14,090		
3	408,747	...	411,218	12,556	11,477		
令和 1 年度	458,819	...	456,320	13,468	11,144		
2	417,003	...	415,551	13,586	15,354		
3 年 1~3月	105,682	...	106,043	3,254	3,618		
4~6	101,282	...	100,782	3,404	2,678		
7~9	101,118	...	104,220	3,247	2,950		
10~12	100,665	...	100,173	2,651	2,231		
3 年 1月	38,026	...	36,586	1,174	1,363		
2	29,384	...	32,524	1,041	1,099		
3	38,272	...	36,933	1,039	1,156		
4	32,292	...	33,553	835	990		
5	32,646	...	33,612	849	785		
6	36,344	...	33,617	1,720	903		
7	31,254	...	33,915	1,091	1,135		
8	36,095	...	35,983	760	987		
9	33,769	...	34,322	1,396	828		
10	33,291	...	34,197	866	747		
11	33,538	...	32,072	919	713		
12	33,836	...	33,904	866	771		

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
23,594	-	22,394	1,200	3	1,313	C.Y. 2017
24,827	-	23,967	860	-	1,433	C.Y. 2018
25,013	-	24,119	894	-	1,392	C.Y. 2019
21,427	-	20,532	895	-	677	C.Y. 2020
15,061	-	13,951	1,110	-	474	C.Y. 2021
24,542	-	23,662	880	-	1,359	F.Y. 2019
19,594	-	18,641	953	-	596	F.Y. 2020
3,857	-	3,481	376	-	596	Q1 2021
3,574	-	3,295	279	-	545	Q2
3,409	-	3,270	139	-	399	Q3
4,221	-	3,905	316	-	474	Q4
1,660	-	1,526	134	-	495	Jan. 2021
1,085	-	956	129	-	596	Feb.
1,112	-	999	113	-	596	Mar.
1,427	-	1,327	100	-	585	Apr.
1,123	-	1,039	84	-	443	May
1,024	-	929	95	-	545	Jun.
1,389	-	1,337	52	-	526	Jul.
1,026	-	988	38	-	478	Aug.
994	-	945	49	-	399	Sep.
1,483	-	1,420	63	-	373	Oct.
1,227	-	1,128	99	-	405	Nov.
1,511	-	1,357	154	-	474	Dec.

単位 Unit : kl

12,750	-	2,664	10,086	63	127	C.Y. 2017
12,804	-	2,646	10,158	71	121	C.Y. 2018
13,380	-	2,884	10,496	76	111	C.Y. 2019
13,368	-	3,000	10,368	70	119	C.Y. 2020
12,969	-	2,993	9,976	72	69	C.Y. 2021
13,567	-	2,954	10,613	75	100	F.Y. 2019
13,154	-	2,932	10,222	71	109	F.Y. 2020
3,071	-	710	2,361	10	109	Q1 2021
3,391	-	735	2,656	22	125	Q2
3,243	-	747	2,496	21	82	Q3
3,264	-	801	2,463	19	69	Q4
982	-	228	754	2	110	Jan. 2021
989	-	237	752	3	108	Feb.
1,100	-	245	855	5	109	Mar.
1,124	-	244	880	7	114	Apr.
1,103	-	244	859	8	113	May
1,164	-	247	917	7	125	Jun.
1,112	-	246	866	8	125	Jul.
1,029	-	236	793	7	102	Aug.
1,102	-	265	837	6	82	Sep.
1,101	-	277	824	6	59	Oct.
1,045	-	256	789	6	41	Nov.
1,118	-	268	850	7	69	Dec.

単位 Unit : kl

438,782	-	400,388	38,394	329	44,036	C.Y. 2017
433,796	-	398,425	35,371	1,015	39,958	C.Y. 2018
435,449	-	406,603	28,846	191	44,020	C.Y. 2019
392,693	-	367,525	25,168	1	46,337	C.Y. 2020
387,185	1	360,507	26,677	-	43,168	C.Y. 2021
431,708	-	405,137	26,571	81	44,598	F.Y. 2019
386,611	-	360,716	25,895	-	45,653	F.Y. 2020
99,171	-	92,038	7,133	-	45,653	Q1 2021
94,700	-	89,301	5,399	-	45,890	Q2
98,023	-	91,226	6,797	-	42,740	Q3
95,291	1	87,942	7,348	-	43,168	Q4
34,049	-	31,168	2,881	-	47,744	Jan. 2021
30,384	-	28,407	1,977	-	44,312	Feb.
34,738	-	32,463	2,275	-	45,653	Mar.
31,728	-	30,054	1,674	-	44,230	Apr.
31,978	-	29,959	2,019	-	43,183	May
30,994	-	29,288	1,706	-	45,890	Jun.
31,689	-	29,720	1,969	-	43,206	Jul.
34,236	-	31,904	2,332	-	43,318	Aug.
32,098	-	29,602	2,496	-	42,740	Sep.
32,584	-	29,783	2,801	-	41,812	Oct.
30,440	-	28,650	1,790	-	43,259	Nov.
32,267	1	29,509	2,757	-	43,168	Dec.

A重油			Heavy fuel oil A				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	37,315	...	37,334	10,371	59		
30	33,956	...	33,839	9,720	50		
令和 1 年	31,862	...	31,602	9,931	2		
2	29,345	...	29,236	9,247	2		
3	32,224	...	31,549	8,146	-		
令和 1 年度	30,796	...	30,607	9,771	3		
2	30,864	...	30,084	9,097	1		
3 年 1~3月	9,080	...	8,552	2,264	-		
4~6	7,222	...	7,549	2,126	-		
7~9	8,186	...	7,827	1,929	-		
10~12	7,736	...	7,621	1,827	-		
3 年 1月	3,536	...	3,500	848	-		
2	2,283	...	2,301	738	-		
3	3,261	...	2,751	678	-		
4	2,612	...	2,727	676	-		
5	2,050	...	2,351	605	-		
6	2,560	...	2,471	845	-		
7	2,578	...	2,172	563	-		
8	2,568	...	2,949	514	-		
9	3,040	...	2,706	852	-		
10	2,380	...	2,525	574	-		
11	2,676	...	2,428	561	-		
12	2,680	...	2,668	692	-		
B・C重油			Heavy fuel oil B・C				
平成 29 年	422,022	...	426,949	3,385	11,686		
30	423,333	...	426,448	5,399	11,322		
令和 1 年	432,942	...	428,964	3,728	11,456		
2	393,263	...	391,032	4,238	14,088		
3	376,523	...	379,669	4,410	11,477		
令和 1 年度	428,023	...	425,713	3,697	11,141		
2	386,139	...	385,467	4,489	15,353		
3 年 1~3月	96,602	...	97,491	990	3,618		
4~6	94,060	...	93,233	1,278	2,678		
7~9	92,932	...	96,393	1,318	2,950		
10~12	92,929	...	92,552	824	2,231		
3 年 1月	34,490	...	33,086	326	1,363		
2	27,101	...	30,223	303	1,099		
3	35,011	...	34,182	361	1,156		
4	29,680	...	30,826	159	990		
5	30,596	...	31,261	244	785		
6	33,784	...	31,146	875	903		
7	28,676	...	31,743	528	1,135		
8	33,527	...	33,034	246	987		
9	30,729	...	31,616	544	828		
10	30,911	...	31,672	292	747		
11	30,862	...	29,644	358	713		
12	31,156	...	31,236	174	771		
炭化水素油			Hydrocarbon oil				
平成 29 年	249,671	...	245,104	-	-		
30	265,517	...	261,863	-	-		
令和 1 年	265,759	...	261,195	-	-		
2	244,893	...	240,827	-	-		
3	223,934	...	219,965	-	-		
令和 1 年度	265,266	...	261,260	-	-		
2	233,039	...	228,372	-	-		
3 年 1~3月	53,984	...	52,902	-	-		
4~6	55,998	...	54,820	-	-		
7~9	56,691	...	55,482	-	-		
10~12	57,261	...	56,761	-	-		
3 年 1月	18,118	...	17,574	-	-		
2	17,108	...	16,714	-	-		
3	18,758	...	18,614	-	-		
4	20,814	...	20,053	-	-		
5	15,788	...	15,376	-	-		
6	19,396	...	19,391	-	-		
7	18,693	...	18,290	-	-		
8	17,756	...	17,620	-	-		
9	20,242	...	19,572	-	-		
10	20,684	...	21,044	-	-		
11	16,836	...	16,164	-	-		
12	19,741	...	19,553	-	-		

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
26,904	-	21,317	5,587	-	4,405	C.Y.	2017
24,069	-	18,647	5,422	-	4,535	C.Y.	2018
21,669	-	16,018	5,651	-	4,832	C.Y.	2019
19,987	-	14,383	5,604	1	4,924	C.Y.	2020
23,403	1	17,182	6,220	-	5,590	C.Y.	2021
20,833	-	15,154	5,679	1	4,684	F.Y.	2019
20,986	-	14,896	6,090	-	5,443	F.Y.	2020
6,288	-	4,378	1,910	-	5,443	Q1	2021
5,423	-	4,084	1,339	-	5,116	Q2	
5,898	-	4,367	1,531	-	5,473	Q3	
5,794	1	4,353	1,440	-	5,590	Q4	
2,652	-	1,527	1,125	-	4,955	Jan.	2021
1,563	-	1,186	377	-	4,935	Feb.	
2,073	-	1,665	408	-	5,443	Mar.	
2,051	-	1,639	412	-	5,328	Apr.	
1,746	-	1,211	535	-	5,028	May	
1,626	-	1,234	392	-	5,116	Jun.	
1,609	-	1,233	376	-	5,524	Jul.	
2,435	-	1,708	727	-	5,141	Aug.	
1,854	-	1,426	428	-	5,473	Sep.	
1,951	-	1,454	497	-	5,329	Oct.	
1,867	-	1,511	356	-	5,579	Nov.	
1,976	1	1,388	587	-	5,590	Dec.	

単位 Unit : kl

411,878	-	379,071	32,807	329	39,631	C.Y.	2017
409,727	-	379,778	29,949	1,015	35,423	C.Y.	2018
413,780	-	390,585	23,195	191	39,188	C.Y.	2019
372,706	-	353,142	19,564	-	41,413	C.Y.	2020
363,782	-	343,325	20,457	-	37,578	C.Y.	2021
410,875	-	389,983	20,892	80	39,914	F.Y.	2019
365,625	-	345,820	19,805	-	40,210	F.Y.	2020
92,883	-	87,660	5,223	-	40,210	Q1	2021
89,277	-	85,217	4,060	-	40,774	Q2	
92,125	-	86,859	5,266	-	37,267	Q3	
89,497	-	83,589	5,908	-	37,578	Q4	
31,397	-	29,641	1,756	-	42,789	Jan.	2021
28,821	-	27,221	1,600	-	39,377	Feb.	
32,665	-	30,798	1,867	-	40,210	Mar.	
29,677	-	28,415	1,262	-	38,902	Apr.	
30,232	-	28,748	1,484	-	38,155	May	
29,368	-	28,054	1,314	-	40,774	Jun.	
30,080	-	28,487	1,593	-	37,682	Jul.	
31,801	-	30,196	1,605	-	38,177	Aug.	
30,244	-	28,176	2,068	-	37,267	Sep.	
30,633	-	28,329	2,304	-	36,483	Oct.	
28,573	-	27,139	1,434	-	37,680	Nov.	
30,291	-	28,121	2,170	-	37,578	Dec.	

単位 Unit : kl

245,104	-	245,104	-	4,682	3,099	C.Y.	2017
261,863	-	261,863	-	3,507	3,246	C.Y.	2018
261,195	-	261,195	-	4,538	3,231	C.Y.	2019
240,827	-	240,827	-	4,495	2,802	C.Y.	2020
219,965	-	219,965	-	4,371	2,400	C.Y.	2021
261,260	-	261,260	-	4,706	2,532	F.Y.	2019
228,372	-	228,372	-	4,337	2,862	F.Y.	2020
52,902	-	52,902	-	1,022	2,862	Q1	2021
54,820	-	54,820	-	1,123	2,917	Q2	
55,482	-	55,482	-	1,064	3,062	Q3	
56,761	-	56,761	-	1,162	2,400	Q4	
17,574	-	17,574	-	328	3,018	Jan.	2021
16,714	-	16,714	-	297	3,115	Feb.	
18,614	-	18,614	-	397	2,862	Mar.	
20,053	-	20,053	-	387	3,236	Apr.	
15,376	-	15,376	-	391	3,257	May	
19,391	-	19,391	-	345	2,917	Jun.	
18,290	-	18,290	-	370	2,950	Jul.	
17,620	-	17,620	-	358	2,728	Aug.	
19,572	-	19,572	-	336	3,062	Sep.	
21,044	-	21,044	-	349	2,353	Oct.	
16,164	-	16,164	-	391	2,634	Nov.	
19,553	-	19,553	-	422	2,400	Dec.	

液化石油ガス			Liquefied petroleum gas			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	16,757	...	17,702	-	-	
30	17,763	...	18,783	-	-	
令和 1 年	19,878	...	20,648	-	-	
2	20,015	...	20,012	-	-	
3	20,574	...	20,576	-	-	
令和 1 年度	19,780	...	20,288	-	-	
2	20,425	...	20,410	-	-	
3 年 1~3月	5,190	...	5,208	-	-	
4~6	4,651	...	4,681	-	-	
7~9	5,501	...	5,475	-	-	
10~12	5,232	...	5,212	-	-	
3 年 1月	1,688	...	1,710	-	-	
2	1,625	...	1,628	-	-	
3	1,877	...	1,870	-	-	
4	1,482	...	1,461	-	-	
5	1,620	...	1,635	-	-	
6	1,549	...	1,585	-	-	
7	2,137	...	2,087	-	-	
8	1,836	...	1,856	-	-	
9	1,528	...	1,532	-	-	
10	1,796	...	1,797	-	-	
11	1,607	...	1,607	-	-	
12	1,829	...	1,808	-	-	

オイルコークス			Petroleum coke			
平成 29 年	1,025,670	...	991,195	228,844	-	
30	957,989	...	927,279	204,637	-	
令和 1 年	922,098	...	884,517	182,625	-	
2	898,623	...	877,352	186,218	-	
3	870,462	...	818,264	183,749	-	
令和 1 年度	938,450	...	896,634	179,569	-	
2	880,165	...	820,111	185,304	-	
3 年 1~3月	215,708	...	179,294	42,945	-	
4~6	228,982	...	201,270	38,354	-	
7~9	202,827	...	204,691	51,279	-	
10~12	222,945	...	233,009	51,171	-	
3 年 1月	56,142	...	44,993	12,413	-	
2	50,015	...	57,302	13,593	-	
3	109,551	...	76,999	16,939	-	
4	86,105	...	81,949	16,971	-	
5	47,273	...	67,692	10,801	-	
6	95,604	...	51,629	10,582	-	
7	37,198	...	70,162	17,569	-	
8	54,900	...	68,141	17,416	-	
9	110,729	...	66,388	16,294	-	
10	71,769	...	80,085	18,393	-	
11	53,693	...	72,571	16,130	-	
12	97,483	...	80,353	16,648	-	

再生油(石油由来)			Reproduction oil(Oil origin)			
平成 29 年	244,441	-	245,863	117	-	
30	255,201	-	254,869	106	-	
令和 1 年	270,824	-	269,974	139	-	
2	270,317	-	269,678	218	-	
3	301,349	-	302,113	56	-	
令和 1 年度	275,989	-	274,752	212	-	
2	275,933	-	275,798	163	-	
3 年 1~3月	73,410	-	74,395	18	-	
4~6	70,484	-	69,264	25	-	
7~9	73,600	-	74,358	13	-	
10~12	83,855	-	84,096	-	-	
3 年 1月	21,365	-	22,536	4	-	
2	25,099	-	25,359	6	-	
3	26,946	-	26,500	8	-	
4	26,703	-	26,026	-	-	
5	19,717	-	19,671	25	-	
6	24,064	-	23,567	-	-	
7	26,504	-	26,615	-	-	
8	23,128	-	22,772	-	-	
9	23,968	-	24,971	13	-	
10	28,231	-	28,717	-	-	
11	28,134	-	28,037	-	-	
12	27,490	-	27,342	-	-	

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
17,702	-	14,705	2,997	-	1,974	C.Y.	2017
18,783	-	15,855	2,928	-	955	C.Y.	2018
20,648	-	17,727	2,921	-	185	C.Y.	2019
20,012	-	17,505	2,507	-	190	C.Y.	2020
20,576	-	19,184	1,392	-	194	C.Y.	2021
20,288	-	17,421	2,867	-	156	F.Y.	2019
20,410	-	18,096	2,314	-	173	F.Y.	2020
5,208	-	4,658	550	-	173	Q1	2021
4,681	-	4,377	304	-	144	Q2	
5,475	-	5,189	286	-	171	Q3	
5,212	-	4,960	252	-	194	Q4	
1,710	-	1,538	172	-	169	Jan.	2021
1,628	-	1,405	223	-	165	Feb.	
1,870	-	1,715	155	-	173	Mar.	
1,461	-	1,361	100	-	193	Apr.	
1,635	-	1,548	87	-	179	May	
1,585	-	1,468	117	-	144	Jun.	
2,087	-	2,005	82	-	194	Jul.	
1,856	-	1,715	141	-	174	Aug.	
1,532	-	1,469	63	-	171	Sep.	
1,797	-	1,720	77	-	170	Oct.	
1,607	-	1,529	78	-	172	Nov.	
1,808	-	1,711	97	-	194	Dec.	

単位 Unit : t

762,351	64,930	697,262	159	22,555	171,392	C.Y.	2017
722,642	73,366	649,263	13	38,174	161,764	C.Y.	2018
701,892	64,075	637,795	22	28,687	170,660	C.Y.	2019
691,134	47,921	643,140	73	55,417	136,493	C.Y.	2020
634,515	56,917	577,586	12	53,505	146,871	C.Y.	2021
717,065	62,237	654,806	22	26,108	160,618	F.Y.	2019
634,807	45,015	589,718	74	58,307	162,345	F.Y.	2020
136,349	11,317	125,029	3	10,563	162,345	Q1	2021
162,916	17,406	145,507	3	22,123	179,661	Q2	
153,412	15,461	137,948	3	10,487	167,312	Q3	
181,838	12,733	169,102	3	10,332	146,871	Q4	
32,580	3,190	29,389	1	1,337	146,306	Jan.	2021
43,709	4,014	39,694	1	7,452	131,567	Feb.	
60,060	4,113	55,946	1	1,774	162,345	Mar.	
64,978	5,574	59,403	1	1,806	168,489	Apr.	
56,891	5,766	51,124	1	12,836	143,168	May	
41,047	6,066	34,980	1	7,481	179,661	Jun.	
52,593	4,847	47,745	1	2,575	144,123	Jul.	
50,725	5,390	45,334	1	5,889	124,993	Aug.	
50,094	5,224	44,869	1	2,023	167,312	Sep.	
61,692	4,285	57,406	1	3,987	154,964	Oct.	
56,441	3,947	52,493	1	3,524	132,562	Nov.	
63,705	4,501	59,203	1	2,821	146,871	Dec.	

単位 Unit : kl

245,746	-	233,727	12,019	-	4,670	C.Y.	2017
254,763	-	241,654	13,109	-	4,891	C.Y.	2018
269,835	-	255,265	14,570	-	5,739	C.Y.	2019
269,460	-	253,789	15,671	-	6,378	C.Y.	2020
302,057	-	287,004	15,053	2	5,212	C.Y.	2021
274,540	-	259,653	14,887	-	5,257	F.Y.	2019
275,635	-	259,944	15,691	2	5,391	F.Y.	2020
74,377	-	70,488	3,889	2	5,391	Q1	2021
69,239	-	65,521	3,718	-	6,206	Q2	
74,345	-	70,688	3,657	-	5,451	Q3	
84,096	-	80,307	3,789	-	5,212	Q4	
22,532	-	21,539	993	-	5,207	Jan.	2021
25,353	-	23,979	1,374	2	4,945	Feb.	
26,492	-	24,970	1,522	-	5,391	Mar.	
26,026	-	24,730	1,296	-	5,633	Apr.	
19,646	-	18,667	979	-	5,710	May	
23,567	-	22,124	1,443	-	6,206	Jun.	
26,615	-	25,234	1,381	-	6,096	Jul.	
22,772	-	21,946	826	-	6,452	Aug.	
24,958	-	23,508	1,450	-	5,451	Sep.	
28,717	-	27,214	1,503	-	4,965	Oct.	
28,037	-	26,706	1,331	-	5,063	Nov.	
27,342	-	26,387	955	-	5,212	Dec.	

非石油系燃料(原油換算)			Non-oil based fuels(Crude petroleum equivalent)			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	7,759,550	1,725	7,807,292	3,522,832	42,982	
30	7,900,119	1,770	7,818,386	3,578,288	44,617	
令和 1 年	7,563,302	1,024	7,581,738	3,539,899	41,951	
2	7,327,885	1,108	7,354,938	3,478,098	44,412	
3	7,400,245	-	7,379,581	3,475,903	62,624	
令和 1 年度	7,473,239	848	7,582,552	3,574,205	41,962	
2	7,274,704	1,108	7,266,881	3,433,025	48,096	
3 年 1~3月	1,807,152	-	1,853,195	888,656	15,635	
4~6	1,587,236	-	1,705,041	759,481	17,969	
7~9	2,047,729	-	1,908,260	925,825	17,892	
10~12	1,958,127	-	1,913,086	901,941	11,129	
3 年 1月	614,063	-	631,900	307,100	5,191	
2	502,759	-	585,327	271,742	4,858	
3	690,329	-	635,968	309,815	5,585	
4	441,578	-	580,818	290,115	5,581	
5	610,965	-	588,625	240,659	6,021	
6	534,693	-	535,598	228,707	6,366	
7	639,542	-	617,121	293,631	6,934	
8	678,653	-	660,007	326,042	6,453	
9	729,534	-	631,132	306,152	4,505	
10	644,989	-	627,128	293,254	751	
11	645,355	-	607,861	290,651	4,653	
12	667,783	-	678,098	318,035	5,725	
石炭			Coal			
平成 29 年	10,217,004	...	10,282,288	5,139,518	-	
30	10,305,877	...	10,183,846	5,207,160	-	
令和 1 年	9,788,587	...	9,813,345	5,147,648	-	
2	9,602,832	...	9,638,133	5,080,855	-	
3	9,546,716	...	9,514,923	5,058,884	-	
令和 1 年度	9,657,160	...	9,817,380	5,203,414	-	
2	9,535,385	...	9,516,065	5,005,865	-	
3 年 1~3月	2,326,946	...	2,390,039	1,285,687	-	
4~6	2,007,073	...	2,184,184	1,112,240	-	
7~9	2,678,535	...	2,470,359	1,355,088	-	
10~12	2,534,162	...	2,470,341	1,305,869	-	
3 年 1月	795,114	...	816,889	442,495	-	
2	630,036	...	749,475	392,808	-	
3	901,796	...	823,675	450,384	-	
4	538,920	...	746,484	422,409	-	
5	788,633	...	755,352	353,093	-	
6	679,520	...	682,348	336,738	-	
7	827,656	...	796,674	430,257	-	
8	885,153	...	856,316	477,964	-	
9	965,726	...	817,369	446,867	-	
10	841,992	...	814,232	425,923	-	
11	833,268	...	779,419	420,615	-	
12	858,902	...	876,690	459,331	-	
石炭コークス(ピッチコークスを含む)			Coal coke(including pitch coke)			
平成 29 年	202,889	-	206,662	-	-	
30	214,191	-	209,246	-	-	
令和 1 年	238,905	-	242,562	-	-	
2	222,250	-	223,173	-	-	
3	205,338	-	203,782	-	-	
令和 1 年度	240,821	-	240,296	-	-	
2	210,473	-	215,425	-	-	
3 年 1~3月	50,177	-	53,136	-	-	
4~6	56,169	-	56,232	-	-	
7~9	50,101	-	49,481	-	-	
10~12	48,891	-	44,933	-	-	
3 年 1月	13,974	-	16,994	-	-	
2	17,722	-	17,579	-	-	
3	18,481	-	18,563	-	-	
4	18,415	-	18,133	-	-	
5	18,287	-	18,267	-	-	
6	19,467	-	19,832	-	-	
7	18,779	-	15,997	-	-	
8	16,227	-	17,119	-	-	
9	15,095	-	16,365	-	-	
10	15,106	-	14,936	-	-	
11	15,338	-	14,007	-	-	
12	18,447	-	15,990	-	-	

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
4,241,479	54,111	4,138,210	49,157	458	691,330	C.Y.	2017
4,195,480	56,477	4,093,624	45,378	3,460	790,172	C.Y.	2018
3,999,888	65,882	3,893,755	40,251	2,377	767,950	C.Y.	2019
3,832,428	49,230	3,742,484	40,714	574	744,765	C.Y.	2020
3,841,054	52,536	3,745,399	43,120	25,262	750,175	C.Y.	2021
3,966,385	59,023	3,869,321	38,041	2,614	687,378	F.Y.	2019
3,785,760	47,718	3,696,424	41,620	311	708,399	F.Y.	2020
948,904	11,691	927,035	10,179	124	708,399	Q1	2021
927,591	15,349	901,035	11,207	81	584,583	Q2	
964,543	13,721	939,740	11,082	92	730,095	Q3	
1,000,016	11,776	977,589	10,651	24,965	750,175	Q4	
319,609	3,155	312,371	4,083	37	736,283	Jan.	2021
308,727	3,831	301,946	2,952	39	653,625	Feb.	
320,568	4,705	312,719	3,144	48	708,399	Mar.	
285,122	4,744	277,204	3,174	30	566,799	Apr.	
341,945	5,024	333,030	3,891	22	585,515	May	
300,525	5,581	290,801	4,143	29	584,583	Jun.	
316,556	4,386	308,450	3,720	28	606,911	Jul.	
327,513	4,837	319,008	3,668	30	625,529	Aug.	
320,475	4,498	312,282	3,694	34	730,095	Sep.	
333,122	3,934	325,890	3,298	1,773	746,186	Oct.	
312,556	3,588	304,891	4,078	13,741	769,940	Nov.	
354,338	4,254	346,808	3,276	9,451	750,175	Dec.	

単位 Unit : t

5,142,770	10,402	5,123,395	8,973	330	995,676	C.Y.	2017
4,976,686	10,745	4,958,301	7,640	4,963	1,145,391	C.Y.	2018
4,665,697	10,102	4,647,710	7,885	3,450	1,113,487	C.Y.	2019
4,557,278	7,803	4,541,138	8,337	743	1,082,608	C.Y.	2020
4,456,039	10,770	4,437,633	7,636	37,324	1,076,003	C.Y.	2021
4,613,966	9,414	4,596,809	7,743	3,801	996,316	F.Y.	2019
4,510,200	7,970	4,493,966	8,264	357	1,017,954	F.Y.	2020
1,104,352	2,946	1,099,369	2,037	148	1,017,954	Q1	2021
1,071,944	2,649	1,067,358	1,937	85	831,965	Q2	
1,115,271	2,468	1,110,939	1,864	107	1,049,165	Q3	
1,164,472	2,707	1,159,967	1,798	36,984	1,076,003	Q4	
374,394	825	372,933	636	43	1,058,469	Jan.	2021
356,667	610	355,471	586	44	938,987	Feb.	
373,291	1,511	370,965	815	61	1,017,954	Mar.	
324,075	828	322,637	610	31	807,014	Apr.	
402,259	872	400,708	679	23	834,824	May	
345,610	949	344,013	648	31	831,965	Jun.	
366,417	780	365,071	566	30	862,917	Jul.	
378,352	696	377,091	565	35	891,719	Aug.	
370,502	992	368,777	733	42	1,049,165	Sep.	
388,309	1,003	386,709	597	2,617	1,074,308	Oct.	
358,804	763	357,374	667	20,365	1,107,792	Nov.	
417,359	941	415,884	534	14,002	1,076,003	Dec.	

単位 Unit : t

206,662	62,135	144,507	20	314	20,072	C.Y.	2017
209,246	64,950	144,286	10	126	22,733	C.Y.	2018
242,562	77,891	164,671	-	113	18,983	C.Y.	2019
223,173	57,982	165,191	-	106	17,826	C.Y.	2020
203,782	60,416	143,290	76	120	19,168	C.Y.	2021
240,296	69,464	170,832	-	118	20,034	F.Y.	2019
215,425	55,981	159,444	-	96	14,729	F.Y.	2020
53,136	12,950	40,186	-	32	14,729	Q1	2021
56,232	18,099	38,057	76	31	14,633	Q2	
49,481	16,089	33,392	-	27	15,236	Q3	
44,933	13,278	31,655	-	30	19,168	Q4	
16,994	3,468	13,526	-	11	14,756	Jan.	2021
17,579	4,563	13,016	-	12	14,818	Feb.	
18,563	4,919	13,644	-	9	14,729	Mar.	
18,133	5,586	12,495	52	12	15,000	Apr.	
18,267	5,920	12,323	24	8	15,005	May	
19,832	6,593	13,239	-	11	14,633	Jun.	
15,997	5,151	10,846	-	11	17,406	Jul.	
17,119	5,828	11,291	-	8	16,511	Aug.	
16,365	5,110	11,255	-	8	15,236	Sep.	
14,936	4,347	10,589	-	11	15,397	Oct.	
14,007	4,101	9,906	-	8	16,721	Nov.	
15,990	4,830	11,160	-	11	19,168	Dec.	

コークス炉ガス			Coke oven gas			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	244,459	-	244,459	-	-	
30	286,461	-	286,461	-	-	
令和 1 年	295,296	-	295,296	-	-	
2	231,081	-	231,081	-	-	
3	282,586	-	282,586	-	-	
令和 1 年度	289,232	-	289,232	-	-	
2	227,359	-	227,359	-	-	
3 年 1~3月	66,160	-	66,160	-	-	
4~6	69,169	-	69,169	-	-	
7~9	72,245	-	72,245	-	-	
10~12	75,012	-	75,012	-	-	
3 年 1月	22,981	-	22,981	-	-	
2	21,225	-	21,225	-	-	
3	21,954	-	21,954	-	-	
4	21,896	-	21,896	-	-	
5	24,142	-	24,142	-	-	
6	23,131	-	23,131	-	-	
7	24,347	-	24,347	-	-	
8	24,054	-	24,054	-	-	
9	23,844	-	23,844	-	-	
10	24,895	-	24,895	-	-	
11	24,565	-	24,565	-	-	
12	25,552	-	25,552	-	-	

高炉ガス			Blast furnace gas			
平成 29 年	53,690	-	53,690	-	-	
30	66,125	-	66,125	-	-	
令和 1 年	62,751	-	62,751	-	-	
2	37,256	-	37,256	-	-	
3	22,282	-	22,282	-	-	
令和 1 年度	65,924	-	65,924	-	-	
2	24,868	-	24,868	-	-	
3 年 1~3月	5,982	-	5,982	-	-	
4~6	5,074	-	5,074	-	-	
7~9	4,011	-	4,011	-	-	
10~12	7,215	-	7,215	-	-	
3 年 1月	2,350	-	2,350	-	-	
2	1,714	-	1,714	-	-	
3	1,918	-	1,918	-	-	
4	2,100	-	2,100	-	-	
5	1,425	-	1,425	-	-	
6	1,549	-	1,549	-	-	
7	1,227	-	1,227	-	-	
8	1,341	-	1,341	-	-	
9	1,443	-	1,443	-	-	
10	3,120	-	3,120	-	-	
11	2,126	-	2,126	-	-	
12	1,969	-	1,969	-	-	

転炉ガス			Converter furnace gas			
平成 29 年	232,368	-	232,368	-	-	
30	236,600	-	236,600	-	-	
令和 1 年	251,411	-	251,411	-	-	
2	197,692	-	197,692	-	-	
3	211,288	-	211,288	-	-	
令和 1 年度	254,909	-	254,909	-	-	
2	190,009	-	190,009	-	-	
3 年 1~3月	56,092	-	56,092	-	-	
4~6	48,087	-	48,087	-	-	
7~9	51,172	-	51,172	-	-	
10~12	55,937	-	55,937	-	-	
3 年 1月	19,636	-	19,636	-	-	
2	18,407	-	18,407	-	-	
3	18,049	-	18,049	-	-	
4	16,987	-	16,987	-	-	
5	15,839	-	15,839	-	-	
6	15,261	-	15,261	-	-	
7	17,812	-	17,812	-	-	
8	15,537	-	15,537	-	-	
9	17,823	-	17,823	-	-	
10	19,673	-	19,673	-	-	
11	18,358	-	18,358	-	-	
12	17,906	-	17,906	-	-	

単位 Unit : 1000m³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
244,459	-	244,459	-	-	...	C.Y. 2017
286,461	-	286,461	-	-	...	C.Y. 2018
295,296	-	295,296	-	-	...	C.Y. 2019
231,081	-	231,081	-	-	...	C.Y. 2020
282,586	-	282,581	5	-	...	C.Y. 2021
289,232	-	289,232	-	-	...	F.Y. 2019
227,359	-	227,354	5	-	...	F.Y. 2020
66,160	-	66,155	5	-	...	Q1 2021
69,169	-	69,169	-	-	...	Q2
72,245	-	72,245	-	-	...	Q3
75,012	-	75,012	-	-	...	Q4
22,981	-	22,976	5	-	...	Jan. 2021
21,225	-	21,225	-	-	...	Feb.
21,954	-	21,954	-	-	...	Mar.
21,896	-	21,896	-	-	...	Apr.
24,142	-	24,142	-	-	...	May
23,131	-	23,131	-	-	...	Jun.
24,347	-	24,347	-	-	...	Jul.
24,054	-	24,054	-	-	...	Aug.
23,844	-	23,844	-	-	...	Sep.
24,895	-	24,895	-	-	...	Oct.
24,565	-	24,565	-	-	...	Nov.
25,552	-	25,552	-	-	...	Dec.

単位 Unit : 1000m³

53,690	-	53,690	-	-	...	C.Y. 2017
66,125	-	66,125	-	-	...	C.Y. 2018
62,751	-	62,751	-	-	...	C.Y. 2019
37,256	-	37,256	-	-	...	C.Y. 2020
22,282	-	22,262	20	-	...	C.Y. 2021
65,924	-	65,924	-	-	...	F.Y. 2019
24,868	-	24,848	20	-	...	F.Y. 2020
5,982	-	5,962	20	-	...	Q1 2021
5,074	-	5,074	-	-	...	Q2
4,011	-	4,011	-	-	...	Q3
7,215	-	7,215	-	-	...	Q4
2,350	-	2,330	20	-	...	Jan. 2021
1,714	-	1,714	-	-	...	Feb.
1,918	-	1,918	-	-	...	Mar.
2,100	-	2,100	-	-	...	Apr.
1,425	-	1,425	-	-	...	May
1,549	-	1,549	-	-	...	Jun.
1,227	-	1,227	-	-	...	Jul.
1,341	-	1,341	-	-	...	Aug.
1,443	-	1,443	-	-	...	Sep.
3,120	-	3,120	-	-	...	Oct.
2,126	-	2,126	-	-	...	Nov.
1,969	-	1,969	-	-	...	Dec.

単位 Unit : 1000m³

232,368	-	232,368	-	-	...	C.Y. 2017
236,600	-	236,600	-	-	...	C.Y. 2018
251,411	-	251,411	-	-	...	C.Y. 2019
197,692	-	197,692	-	-	...	C.Y. 2020
211,288	-	211,288	-	-	...	C.Y. 2021
254,909	-	254,909	-	-	...	F.Y. 2019
190,009	-	190,009	-	-	...	F.Y. 2020
56,092	-	56,092	-	-	...	Q1 2021
48,087	-	48,087	-	-	...	Q2
51,172	-	51,172	-	-	...	Q3
55,937	-	55,937	-	-	...	Q4
19,636	-	19,636	-	-	...	Jan. 2021
18,407	-	18,407	-	-	...	Feb.
18,049	-	18,049	-	-	...	Mar.
16,987	-	16,987	-	-	...	Apr.
15,839	-	15,839	-	-	...	May
15,261	-	15,261	-	-	...	Jun.
17,812	-	17,812	-	-	...	Jul.
15,537	-	15,537	-	-	...	Aug.
17,823	-	17,823	-	-	...	Sep.
19,673	-	19,673	-	-	...	Oct.
18,358	-	18,358	-	-	...	Nov.
17,906	-	17,906	-	-	...	Dec.

電気炉ガス			Electric furnace gas				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	5,854	7,940	13,794	-	-		
30	6,409	8,146	14,555	-	-		
令和 1 年	7,375	4,710	12,085	-	-		
2	2,997	5,097	8,094	-	-		
3	5,835	-	5,835	-	-		
令和 1 年度	6,608	3,900	10,508	-	-		
2	3,778	5,097	8,875	-	-		
3 年 1~3月	2,092	-	2,092	-	-		
4~6	836	-	836	-	-		
7~9	480	-	480	-	-		
10~12	2,427	-	2,427	-	-		
3 年 1月	824	-	824	-	-		
2	436	-	436	-	-		
3	832	-	832	-	-		
4	734	-	734	-	-		
5	102	-	102	-	-		
6	-	-	-	-	-		
7	-	-	-	-	-		
8	146	-	146	-	-		
9	334	-	334	-	-		
10	872	-	872	-	-		
11	998	-	998	-	-		
12	557	-	557	-	-		
天然ガス			Natural gas				
平成 29 年	154,297	-	154,297	74,787	38,239		
30	161,259	-	161,256	76,497	39,694		
令和 1 年	135,417	-	135,417	77,554	37,322		
2	117,428	-	117,428	61,254	39,511		
3	114,251	-	114,251	39,796	57,025		
令和 1 年度	130,750	-	130,750	75,191	37,332		
2	113,400	-	113,400	54,256	43,116		
3 年 1~3月	31,405	-	31,405	12,986	14,237		
4~6	27,444	-	27,444	6,545	16,362		
7~9	29,338	-	29,338	8,917	16,292		
10~12	26,064	-	26,064	11,348	10,134		
3 年 1月	10,857	-	10,857	4,756	4,727		
2	9,913	-	9,913	4,111	4,424		
3	10,635	-	10,635	4,119	5,086		
4	10,095	-	10,095	3,548	5,082		
5	8,867	-	8,867	1,876	5,483		
6	8,482	-	8,482	1,121	5,797		
7	10,412	-	10,412	2,838	6,314		
8	10,459	-	10,459	3,035	5,876		
9	8,467	-	8,467	3,044	4,102		
10	5,416	-	5,416	3,129	684		
11	9,207	-	9,207	3,527	4,237		
12	11,441	-	11,441	4,692	5,213		
液化天然ガス			Liquefied natural gas				
平成 29 年	5,987	...	5,987	-	-		
30	922	...	922	-	-		
令和 1 年	1,065	...	1,065	-	-		
2	1,258	...	1,258	-	-		
3	864	...	864	-	-		
令和 1 年度	1,067	...	1,067	-	-		
2	1,080	...	1,080	-	-		
3 年 1~3月	167	...	167	-	-		
4~6	173	...	173	-	-		
7~9	267	...	267	-	-		
10~12	257	...	257	-	-		
3 年 1月	56	...	56	-	-		
2	63	...	63	-	-		
3	48	...	48	-	-		
4	43	...	43	-	-		
5	53	...	53	-	-		
6	77	...	77	-	-		
7	43	...	43	-	-		
8	92	...	92	-	-		
9	132	...	132	-	-		
10	39	...	39	-	-		
11	116	...	116	-	-		
12	102	...	102	-	-		

単位 Unit : 1000m³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
13,794	-	13,794	-	-	...	C.Y. 2017
14,555	-	14,555	-	-	...	C.Y. 2018
12,085	-	12,085	-	-	...	C.Y. 2019
8,094	-	8,094	-	-	...	C.Y. 2020
5,835	-	5,835	-	-	...	C.Y. 2021
10,508	-	10,508	-	-	...	F.Y. 2019
8,875	-	8,875	-	-	...	F.Y. 2020
2,092	-	2,092	-	-	...	Q1 2021
836	-	836	-	-	...	Q2
480	-	480	-	-	...	Q3
2,427	-	2,427	-	-	...	Q4
824	-	824	-	-	...	Jan. 2021
436	-	436	-	-	...	Feb.
832	-	832	-	-	...	Mar.
734	-	734	-	-	...	Apr.
102	-	102	-	-	...	May
-	-	-	-	-	...	Jun.
-	-	-	-	-	...	Jul.
146	-	146	-	-	...	Aug.
334	-	334	-	-	...	Sep.
872	-	872	-	-	...	Oct.
998	-	998	-	-	...	Nov.
557	-	557	-	-	...	Dec.

単位 Unit : 1000m³

41,271	-	41,271	-	-	...	C.Y. 2017
45,065	-	45,065	-	-	...	C.Y. 2018
20,541	-	20,541	-	-	...	C.Y. 2019
16,663	-	16,663	-	-	...	C.Y. 2020
17,430	-	17,430	-	-	...	C.Y. 2021
18,227	-	18,227	-	-	...	F.Y. 2019
16,028	-	16,028	-	-	...	F.Y. 2020
4,182	-	4,182	-	-	...	Q1 2021
4,537	-	4,537	-	-	...	Q2
4,129	-	4,129	-	-	...	Q3
4,582	-	4,582	-	-	...	Q4
1,374	-	1,374	-	-	...	Jan. 2021
1,378	-	1,378	-	-	...	Feb.
1,430	-	1,430	-	-	...	Mar.
1,465	-	1,465	-	-	...	Apr.
1,508	-	1,508	-	-	...	May
1,564	-	1,564	-	-	...	Jun.
1,260	-	1,260	-	-	...	Jul.
1,548	-	1,548	-	-	...	Aug.
1,321	-	1,321	-	-	...	Sep.
1,603	-	1,603	-	-	...	Oct.
1,443	-	1,443	-	-	...	Nov.
1,536	-	1,536	-	-	...	Dec.

単位 Unit : t

5,987	-	5,560	427	-	...	C.Y. 2017
922	-	471	451	-	...	C.Y. 2018
1,065	-	620	445	-	...	C.Y. 2019
1,258	-	790	468	-	...	C.Y. 2020
864	-	327	537	-	...	C.Y. 2021
1,067	-	635	432	-	...	F.Y. 2019
1,080	-	593	487	-	...	F.Y. 2020
167	-	23	144	-	...	Q1 2021
173	-	52	121	-	...	Q2
267	-	142	125	-	...	Q3
257	-	110	147	-	...	Q4
56	-	13	43	-	...	Jan. 2021
63	-	10	53	-	...	Feb.
48	-	-	48	-	...	Mar.
43	-	3	40	-	...	Apr.
53	-	4	49	-	...	May
77	-	45	32	-	...	Jun.
43	-	8	35	-	...	Jul.
92	-	53	39	-	...	Aug.
132	-	81	51	-	...	Sep.
39	-	7	32	-	...	Oct.
116	-	65	51	-	...	Nov.
102	-	38	64	-	...	Dec.

都市ガス(A)			Town gas(A)				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	86,571	...	86,571	1,193	-		
30	91,003	...	91,003	1,208	-		
令和 1 年	92,657	...	92,657	1,197	-		
2	78,209	...	78,209	1,722	-		
3	87,513	...	87,513	5,041	-		
令和 1 年度	96,326	...	96,326	1,162	-		
2	74,071	...	74,071	2,831	-		
3 年 1~3月	22,629	...	22,629	1,344	-		
4~6	23,373	...	23,373	1,210	-		
7~9	21,791	...	21,791	1,060	-		
10~12	19,720	...	19,720	1,427	-		
3 年 1月	8,170	...	8,170	428	-		
2	7,072	...	7,072	483	-		
3	7,387	...	7,387	433	-		
4	7,452	...	7,452	412	-		
5	8,009	...	8,009	446	-		
6	7,912	...	7,912	352	-		
7	7,608	...	7,608	321	-		
8	7,466	...	7,466	342	-		
9	6,717	...	6,717	397	-		
10	6,270	...	6,270	412	-		
11	7,247	...	7,247	498	-		
12	6,203	...	6,203	517	-		

都市ガス(B)			Town gas(B)				
平成 29 年	94,629	...	94,633	1,268	-		
30	99,246	...	99,246	1,278	-		
令和 1 年	100,840	...	100,843	1,256	-		
2	84,544	...	84,544	1,739	-		
3	94,729	...	94,732	5,005	-		
令和 1 年度	104,640	...	104,644	1,218	-		
2	80,042	...	80,045	2,813	-		
3 年 1~3月	24,503	...	24,506	1,325	-		
4~6	25,286	...	25,285	1,196	-		
7~9	23,610	...	23,609	1,059	-		
10~12	21,330	...	21,332	1,425	-		
3 年 1月	8,834	...	8,836	422	-		
2	7,636	...	7,637	477	-		
3	8,033	...	8,033	426	-		
4	8,048	...	8,048	405	-		
5	8,662	...	8,661	439	-		
6	8,576	...	8,576	352	-		
7	8,249	...	8,249	321	-		
8	8,097	...	8,095	340	-		
9	7,264	...	7,265	398	-		
10	6,782	...	6,783	412	-		
11	7,843	...	7,843	497	-		
12	6,705	...	6,706	516	-		

廃材			Waste material				
平成 29 年	2,738	-	2,738	-	-		
30	2,648	-	2,648	-	-		
令和 1 年	2,358	-	2,358	-	-		
2	1,886	-	1,886	-	-		
3	1,871	-	1,871	-	-		
令和 1 年度	2,181	-	2,181	-	-		
2	1,900	-	1,900	-	-		
3 年 1~3月	453	-	453	-	-		
4~6	540	-	540	-	-		
7~9	417	-	417	-	-		
10~12	461	-	461	-	-		
3 年 1月	51	-	51	-	-		
2	194	-	194	-	-		
3	208	-	208	-	-		
4	162	-	162	-	-		
5	185	-	185	-	-		
6	193	-	193	-	-		
7	184	-	184	-	-		
8	44	-	44	-	-		
9	189	-	189	-	-		
10	140	-	140	-	-		
11	125	-	125	-	-		
12	196	-	196	-	-		

単位 Unit : 1000m³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
85,378	...	53,882	31,486	...	...	C.Y.	2017
89,795	...	59,571	30,224	...	...	C.Y.	2018
91,460	...	63,761	27,699	...	...	C.Y.	2019
76,487	...	45,858	30,629	...	...	C.Y.	2020
82,472	...	49,604	32,868	...	...	C.Y.	2021
95,164	...	68,347	26,817	...	...	F.Y.	2019
71,240	...	39,939	31,301	...	...	F.Y.	2020
21,285	...	13,708	7,577	...	...	Q1	2021
22,163	...	13,595	8,568	...	...	Q2	
20,731	...	12,182	8,549	...	...	Q3	
18,293	...	10,119	8,174	...	...	Q4	
7,742	...	4,584	3,158	...	...	Jan.	2021
6,589	...	4,395	2,194	...	...	Feb.	
6,954	...	4,729	2,225	...	...	Mar.	
7,040	...	4,686	2,354	...	...	Apr.	
7,563	...	4,592	2,971	...	...	May	
7,560	...	4,317	3,243	...	...	Jun.	
7,287	...	4,374	2,913	...	...	Jul.	
7,124	...	4,258	2,866	...	...	Aug.	
6,320	...	3,550	2,770	...	...	Sep.	
5,858	...	3,337	2,521	...	...	Oct.	
6,749	...	3,597	3,152	...	...	Nov.	
5,686	...	3,185	2,501	...	...	Dec.	

単位 Unit : 1000m³

93,365	...	59,719	33,646	...	...	C.Y.	2017
97,968	...	66,109	31,859	...	...	C.Y.	2018
99,587	...	70,622	28,965	...	...	C.Y.	2019
82,805	...	50,342	32,463	...	...	C.Y.	2020
89,727	...	54,773	34,955	...	...	C.Y.	2021
103,426	...	75,396	28,030	...	...	F.Y.	2019
77,232	...	43,946	33,287	...	...	F.Y.	2020
23,181	...	15,112	8,070	...	...	Q1	2021
24,089	...	14,981	9,108	...	...	Q2	
22,550	...	13,465	9,085	...	...	Q3	
19,907	...	11,215	8,692	...	...	Q4	
8,414	...	5,060	3,354	...	...	Jan.	2021
7,160	...	4,824	2,337	...	...	Feb.	
7,607	...	5,228	2,379	...	...	Mar.	
7,643	...	5,132	2,511	...	...	Apr.	
8,222	...	5,072	3,150	...	...	May	
8,224	...	4,777	3,447	...	...	Jun.	
7,928	...	4,831	3,097	...	...	Jul.	
7,755	...	4,712	3,043	...	...	Aug.	
6,867	...	3,922	2,945	...	...	Sep.	
6,371	...	3,687	2,684	...	...	Oct.	
7,346	...	3,998	3,348	...	...	Nov.	
6,190	...	3,530	2,660	...	...	Dec.	

単位 Unit : 絶乾(Dry) t

2,738	-	2,738	-	-	-	C.Y.	2017
2,648	-	2,648	-	-	-	C.Y.	2018
2,358	-	2,358	-	-	-	C.Y.	2019
1,886	-	1,886	-	-	-	C.Y.	2020
1,871	-	1,871	-	-	-	C.Y.	2021
2,181	-	2,181	-	-	-	F.Y.	2019
1,900	-	1,900	-	-	-	F.Y.	2020
453	-	453	-	-	-	Q1	2021
540	-	540	-	-	-	Q2	
417	-	417	-	-	-	Q3	
461	-	461	-	-	-	Q4	
51	-	51	-	-	-	Jan.	2021
194	-	194	-	-	-	Feb.	
208	-	208	-	-	-	Mar.	
162	-	162	-	-	-	Apr.	
185	-	185	-	-	-	May	
193	-	193	-	-	-	Jun.	
184	-	184	-	-	-	Jul.	
44	-	44	-	-	-	Aug.	
189	-	189	-	-	-	Sep.	
140	-	140	-	-	-	Oct.	
125	-	125	-	-	-	Nov.	
196	-	196	-	-	-	Dec.	

廃タイヤ			Used tires				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	84,024	-	83,181	16,983	-		
30	90,299	-	90,674	27,317	-		
令和 1 年	90,111	-	90,080	24,931	-		
2	91,163	-	90,753	24,681	-		
3	79,786	-	79,506	12,941	-		
令和 1 年度	89,838	-	90,402	24,909	-		
2	88,755	-	89,091	23,226	-		
3 年 1~3月	17,360	-	19,612	3,296	-		
4~6	16,524	-	13,563	-	-		
7~9	17,731	-	18,141	1,179	-		
10~12	28,171	-	28,190	8,466	-		
3 年 1月	6,580	-	7,949	2,381	-		
2	5,830	-	6,722	915	-		
3	4,950	-	4,941	-	-		
4	5,359	-	4,887	-	-		
5	5,712	-	4,312	-	-		
6	5,453	-	4,364	-	-		
7	4,880	-	5,397	-	-		
8	6,058	-	6,060	-	-		
9	6,793	-	6,684	1,179	-		
10	8,251	-	8,892	2,483	-		
11	8,847	-	8,882	3,007	-		
12	11,073	-	10,416	2,976	-		
廃プラスチック			Waste plastic				
平成 29 年	321,295	-	321,774	-	-		
30	364,893	-	366,349	-	-		
令和 1 年	376,779	-	374,303	-	-		
2	371,939	-	374,458	-	-		
3	382,819	-	385,486	-	-		
令和 1 年度	378,143	-	380,922	-	-		
2	366,857	-	365,623	-	-		
3 年 1~3月	91,477	-	90,486	-	-		
4~6	87,440	-	88,505	-	-		
7~9	99,768	-	101,262	-	-		
10~12	104,134	-	105,233	-	-		
3 年 1月	28,507	-	28,067	-	-		
2	29,702	-	31,364	-	-		
3	33,268	-	31,055	-	-		
4	28,825	-	28,686	-	-		
5	30,605	-	32,265	-	-		
6	28,010	-	27,554	-	-		
7	31,638	-	31,968	-	-		
8	34,657	-	34,737	-	-		
9	33,473	-	34,557	-	-		
10	34,268	-	34,772	-	-		
11	35,117	-	34,910	-	-		
12	34,749	-	35,551	-	-		
RPF			Refuse Paper & Plastic Fuel				
平成 29 年	42,041	-	42,243	12,928	-		
30	47,313	-	47,142	12,583	-		
令和 1 年	45,226	-	45,346	15,243	-		
2	32,930	-	33,254	16,006	-		
3	35,194	-	35,427	5,721	-		
令和 1 年度	43,477	-	43,310	15,227	-		
2	32,969	-	33,190	16,034	-		
3 年 1~3月	10,555	-	10,684	4,415	-		
4~6	9,212	-	9,277	1,306	-		
7~9	8,267	-	8,139	-	-		
10~12	7,160	-	7,327	-	-		
3 年 1月	2,938	-	3,002	1,380	-		
2	3,688	-	3,830	1,465	-		
3	3,929	-	3,852	1,570	-		
4	3,799	-	3,764	1,306	-		
5	2,879	-	2,973	-	-		
6	2,534	-	2,540	-	-		
7	3,004	-	2,809	-	-		
8	2,505	-	2,612	-	-		
9	2,758	-	2,718	-	-		
10	2,525	-	2,604	-	-		
11	2,597	-	2,520	-	-		
12	2,038	-	2,203	-	-		

単位 Unit : t

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
66,198	-	65,953	245	-	7,353	C.Y. 2017
63,357	-	62,893	464	80	5,454	C.Y. 2018
65,149	-	64,800	349	-	5,487	C.Y. 2019
66,072	-	66,072	-	-	5,898	C.Y. 2020
66,565	-	66,565	-	-	6,174	C.Y. 2021
65,493	-	65,178	315	-	3,982	F.Y. 2019
65,865	-	65,865	-	-	3,466	F.Y. 2020
16,316	-	16,316	-	-	3,466	Q1 2021
13,563	-	13,563	-	-	6,640	Q2
16,962	-	16,962	-	-	6,195	Q3
19,724	-	19,724	-	-	6,174	Q4
5,568	-	5,568	-	-	4,529	Jan. 2021
5,807	-	5,807	-	-	3,636	Feb.
4,941	-	4,941	-	-	3,466	Mar.
4,887	-	4,887	-	-	3,952	Apr.
4,312	-	4,312	-	-	5,551	May
4,364	-	4,364	-	-	6,640	Jun.
5,397	-	5,397	-	-	6,045	Jul.
6,060	-	6,060	-	-	6,044	Aug.
5,505	-	5,505	-	-	6,195	Sep.
6,409	-	6,409	-	-	5,553	Oct.
5,875	-	5,875	-	-	5,518	Nov.
7,440	-	7,440	-	-	6,174	Dec.

単位 Unit : t

321,774	-	313,006	8,768	-	10,692	C.Y. 2017
366,349	-	359,180	7,169	-	9,236	C.Y. 2018
374,303	-	369,909	4,394	-	11,712	C.Y. 2019
374,458	-	374,404	54	-	9,193	C.Y. 2020
385,486	-	385,451	35	-	6,287	C.Y. 2021
380,922	-	377,949	2,973	-	8,950	F.Y. 2019
365,623	-	365,534	89	-	10,184	F.Y. 2020
90,486	-	90,451	35	-	10,184	Q1 2021
88,505	-	88,505	-	-	8,880	Q2
101,262	-	101,262	-	-	7,386	Q3
105,233	-	105,233	-	-	6,287	Q4
28,067	-	28,032	35	-	9,633	Jan. 2021
31,364	-	31,364	-	-	7,971	Feb.
31,055	-	31,055	-	-	10,184	Mar.
28,686	-	28,686	-	-	10,207	Apr.
32,265	-	32,265	-	-	8,424	May
27,554	-	27,554	-	-	8,880	Jun.
31,968	-	31,968	-	-	8,550	Jul.
34,737	-	34,737	-	-	8,470	Aug.
34,557	-	34,557	-	-	7,386	Sep.
34,772	-	34,772	-	-	6,882	Oct.
34,910	-	34,910	-	-	7,089	Nov.
35,551	-	35,551	-	-	6,287	Dec.

単位 Unit : t

29,315	-	29,315	-	-	617	C.Y. 2017
34,559	-	34,559	-	-	788	C.Y. 2018
30,103	-	30,103	-	-	669	C.Y. 2019
17,248	-	17,248	-	-	345	C.Y. 2020
29,706	-	29,706	-	-	113	C.Y. 2021
28,083	-	28,083	-	-	436	F.Y. 2019
17,156	-	17,156	-	-	216	F.Y. 2020
6,269	-	6,269	-	-	216	Q1 2021
7,971	-	7,971	-	-	152	Q2
8,139	-	8,139	-	-	280	Q3
7,327	-	7,327	-	-	113	Q4
1,622	-	1,622	-	-	281	Jan. 2021
2,365	-	2,365	-	-	139	Feb.
2,282	-	2,282	-	-	216	Mar.
2,458	-	2,458	-	-	251	Apr.
2,973	-	2,973	-	-	158	May
2,540	-	2,540	-	-	152	Jun.
2,809	-	2,809	-	-	347	Jul.
2,612	-	2,612	-	-	240	Aug.
2,718	-	2,718	-	-	280	Sep.
2,604	-	2,604	-	-	202	Oct.
2,520	-	2,520	-	-	278	Nov.
2,203	-	2,203	-	-	113	Dec.

⑧ 鉄鋼業 Iron and steel industry

合計(原油換算)			Total(Crude petroleum equivalent)				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	ネット	合計 Total	消 費		
			Net		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	60,698,624	39,305,299	46,873,407	86,158,445	6,892,784	415,523	
30	60,386,561	38,696,886	46,743,446	85,418,573	6,743,004	336,957	
令和 1 年	58,482,340	38,334,021	45,211,077	83,524,080	6,677,192	239,230	
2	50,544,335	33,873,066	38,618,005	72,469,885	6,196,042	139,187	
3	55,752,477	36,224,593	42,937,660	79,142,846	6,536,545	137,034	
令和 1 年度	58,220,652	38,400,188	45,093,834	83,473,589	6,655,730	186,562	
2	49,905,566	33,271,589	38,210,824	71,460,997	6,282,797	132,113	
3 年 1~3月	13,205,600	9,002,965	10,789,402	19,787,240	1,767,909	33,942	
4~6	14,378,817	9,036,968	10,626,594	19,658,884	1,553,011	30,284	
7~9	14,017,466	9,082,519	10,873,202	19,950,898	1,714,953	35,494	
10~12	14,150,594	9,102,141	10,648,461	19,745,824	1,500,672	37,315	
3 年 1月	3,810,251	3,099,348	3,710,005	6,807,466	624,919	11,108	
2	4,529,616	2,796,438	3,355,849	6,150,688	551,249	9,400	
3	4,865,733	3,107,179	3,723,548	6,829,085	591,741	13,435	
4	4,689,610	2,947,531	3,456,161	6,402,146	485,549	10,160	
5	5,082,144	3,101,181	3,649,844	6,749,512	525,466	9,140	
6	4,607,064	2,988,256	3,520,589	6,507,225	541,995	10,984	
7	4,846,135	3,043,961	3,633,478	6,676,060	586,835	11,016	
8	4,505,287	3,047,302	3,650,524	6,696,136	579,507	12,318	
9	4,666,044	2,991,257	3,589,200	6,578,702	548,611	12,159	
10	4,698,844	3,031,884	3,534,809	6,565,168	468,585	11,892	
11	4,939,702	2,998,388	3,452,688	6,449,694	465,476	9,596	
12	4,512,047	3,071,869	3,660,964	6,730,962	566,611	15,826	

石油系燃料(原油換算)			Oil based fuels(Crude petroleum equivalent)				
平成 29 年	2,078,213	-	-	1,955,567	230,021	55,167	
30	1,993,056	-	-	1,761,870	208,757	55,803	
令和 1 年	1,834,551	-	-	1,619,839	190,371	55,866	
2	1,504,053	-	-	1,428,459	216,887	38,884	
3	1,430,540	-	-	1,262,776	188,001	38,956	
令和 1 年度	1,778,843	-	-	1,602,994	181,350	52,165	
2	1,389,100	-	-	1,335,830	232,848	36,330	
3 年 1~3月	255,656	-	-	312,383	55,992	8,175	
4~6	422,484	-	-	258,802	36,238	8,977	
7~9	401,241	-	-	330,134	43,033	11,904	
10~12	351,159	-	-	361,457	52,739	9,900	
3 年 1月	78,013	-	-	115,812	22,948	2,378	
2	91,252	-	-	97,129	14,201	2,456	
3	86,391	-	-	99,441	18,843	3,341	
4	104,302	-	-	84,712	11,485	2,030	
5	250,727	-	-	86,919	13,093	2,836	
6	67,455	-	-	87,171	11,659	4,111	
7	129,829	-	-	95,290	14,524	4,089	
8	68,214	-	-	113,255	12,859	4,212	
9	203,198	-	-	121,589	15,650	3,603	
10	138,171	-	-	100,291	18,748	3,864	
11	107,052	-	-	155,967	18,495	3,208	
12	105,936	-	-	105,198	15,497	2,829	

ガソリン			Gasoline				
平成 29 年	1,755	...	...	1,707	...	...
30	1,858	...	...	1,816	...	...
令和 1 年	1,781	...	...	1,728	...	...
2	1,548	...	...	1,501	...	...
3	1,507	...	...	1,462	...	...
令和 1 年度	1,766	...	...	1,707	...	...
2	1,462	...	...	1,428	...	...
3 年 1~3月	353	...	...	328	...	...
4~6	304	...	...	314	...	...
7~9	426	...	...	390	...	...
10~12	424	...	...	430	...	...
3 年 1月	122	...	...	120	...	...
2	104	...	...	102	...	...
3	127	...	...	106	...	...
4	108	...	...	120	...	...
5	87	...	...	89	...	...
6	109	...	...	105	...	...
7	145	...	...	138	...	...
8	116	...	...	109	...	...
9	165	...	...	143	...	...
10	130	...	...	142	...	...
11	134	...	...	132	...	...
12	160	...	...	156	...	...

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
78,850,138	28,708,647	48,802,876	1,338,614	13,323,299	6,163,831	C.Y. 2017
78,338,611	28,409,280	48,661,354	1,267,978	12,808,644	6,144,352	C.Y. 2018
76,607,658	28,305,681	47,041,848	1,260,128	12,545,053	6,224,878	C.Y. 2019
66,134,655	25,834,187	39,161,241	1,139,227	11,615,593	5,988,663	C.Y. 2020
72,469,267	26,806,666	44,414,787	1,247,814	12,608,583	5,546,482	C.Y. 2021
76,631,297	28,466,631	46,889,193	1,275,473	12,714,886	5,302,721	F.Y. 2019
65,046,086	25,244,224	38,687,942	1,113,920	11,422,744	5,103,210	F.Y. 2020
17,985,389	6,606,507	11,075,755	303,127	3,119,180	5,103,210	Q1 2021
18,075,590	6,640,018	11,102,884	332,687	3,207,136	5,557,803	Q2
18,200,451	6,715,875	11,186,222	298,354	3,209,458	5,280,639	Q3
18,207,837	6,844,266	11,049,925	313,645	3,072,808	5,546,482	Q4
6,171,439	2,301,617	3,768,102	101,720	984,175	5,071,572	Jan. 2021
5,590,040	2,047,605	3,449,242	93,193	1,053,790	5,179,990	Feb.
6,223,910	2,257,284	3,858,411	108,214	1,081,215	5,103,210	Mar.
5,906,437	2,196,013	3,606,171	104,254	993,448	5,313,043	Apr.
6,214,906	2,252,681	3,838,442	123,783	1,179,325	5,544,327	May
5,954,247	2,191,324	3,658,272	104,651	1,034,363	5,557,803	Jun.
6,078,208	2,255,685	3,725,017	97,506	1,084,734	5,665,549	Jul.
6,104,311	2,249,464	3,754,890	99,957	1,083,150	5,336,336	Aug.
6,017,932	2,210,726	3,706,315	100,891	1,041,575	5,280,639	Sep.
6,084,691	2,284,205	3,698,481	102,005	1,146,112	5,232,775	Oct.
5,974,621	2,263,035	3,605,305	106,282	1,011,705	5,626,226	Nov.
6,148,524	2,297,026	3,746,140	105,358	914,991	5,546,482	Dec.

単位 Unit : kl

1,670,378	385,427	1,092,628	192,323	214,633	233,491	C.Y. 2017
1,497,309	362,780	941,194	193,335	215,850	247,115	C.Y. 2018
1,373,602	281,139	908,771	183,692	180,630	271,818	C.Y. 2019
1,172,688	283,160	720,082	169,446	132,358	213,834	C.Y. 2020
1,035,820	272,224	615,111	148,484	186,812	203,274	C.Y. 2021
1,369,479	288,154	892,809	188,517	192,716	193,813	F.Y. 2019
1,066,652	264,009	645,566	157,077	104,461	146,249	F.Y. 2020
248,217	66,370	143,040	38,807	18,433	146,249	Q1 2021
213,588	43,819	130,798	38,971	71,150	239,899	Q2
275,198	65,307	175,903	33,988	55,185	250,716	Q3
298,818	96,729	165,371	36,717	42,045	203,274	Q4
90,487	31,862	45,969	12,656	9,166	177,618	Jan. 2021
80,473	22,469	45,096	12,908	5,395	163,711	Feb.
77,257	12,039	51,975	13,244	3,871	146,249	Mar.
71,197	14,241	43,083	13,873	15,060	150,211	Apr.
70,990	15,558	43,253	12,180	45,808	268,852	May
71,401	14,020	44,463	12,918	10,282	239,899	Jun.
76,678	21,253	45,442	9,983	9,807	264,172	Jul.
96,185	22,116	62,529	11,539	9,678	208,332	Aug.
102,336	21,938	67,932	12,466	35,699	250,716	Sep.
77,679	15,088	50,700	11,891	9,155	279,050	Oct.
134,265	60,591	61,796	11,878	7,613	222,658	Nov.
86,873	21,050	52,875	12,948	25,277	203,274	Dec.

単位 Unit : kl

1,707	...	68	1,639	50	19	C.Y. 2017
1,816	...	63	1,753	47	15	C.Y. 2018
1,728	...	60	1,668	48	21	C.Y. 2019
1,501	...	56	1,445	47	21	C.Y. 2020
1,462	...	56	1,406	43	23	C.Y. 2021
1,707	...	59	1,648	47	48	F.Y. 2019
1,428	...	56	1,372	45	37	F.Y. 2020
328	...	14	314	9	37	Q1 2021
314	...	13	301	10	17	Q2
390	...	15	375	12	41	Q3
430	...	14	416	12	23	Q4
120	...	5	115	3	20	Jan. 2021
102	...	4	98	3	19	Feb.
106	...	5	101	3	37	Mar.
120	...	4	116	3	22	Apr.
89	...	4	85	3	17	May
105	...	5	100	4	17	Jun.
138	...	5	133	4	20	Jul.
109	...	5	104	4	23	Aug.
143	...	5	138	4	41	Sep.
142	...	4	138	4	25	Oct.
132	...	5	127	4	23	Nov.
156	...	5	151	4	23	Dec.

灯油			Kerosene				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	95,231	...	94,830	2,795	-		
30	94,037	...	92,614	2,814	-		
令和 1 年	87,284	...	86,183	1,989	-		
2	75,887	...	75,308	1,609	-		
3	85,386	...	84,342	1,994	-		
令和 1 年度	83,978	...	82,932	1,972	-		
2	76,711	...	75,980	1,654	-		
3 年 1~3月	20,736	...	20,660	499	-		
4~6	22,053	...	21,831	525	-		
7~9	20,217	...	19,957	469	-		
10~12	22,380	...	21,894	501	-		
3 年 1月	6,929	...	7,045	159	-		
2	6,673	...	6,493	159	-		
3	7,134	...	7,122	181	-		
4	7,293	...	7,072	169	-		
5	7,165	...	7,153	168	-		
6	7,595	...	7,606	188	-		
7	7,269	...	7,100	160	-		
8	5,775	...	5,782	130	-		
9	7,173	...	7,075	179	-		
10	7,183	...	7,165	167	-		
11	7,657	...	7,582	180	-		
12	7,540	...	7,147	154	-		
軽油			Gas oil				
平成 29 年	24,231	...	24,103	-	-		
30	23,005	...	22,860	-	-		
令和 1 年	24,768	...	24,627	-	-		
2	22,372	...	22,227	-	-		
3	25,248	...	25,112	-	-		
令和 1 年度	25,131	...	24,979	-	-		
2	22,056	...	21,957	-	-		
3 年 1~3月	6,100	...	6,102	-	-		
4~6	7,066	...	7,033	-	-		
7~9	6,003	...	5,946	-	-		
10~12	6,079	...	6,031	-	-		
3 年 1月	1,961	...	1,972	-	-		
2	2,056	...	2,080	-	-		
3	2,083	...	2,050	-	-		
4	3,232	...	3,195	-	-		
5	1,840	...	1,861	-	-		
6	1,994	...	1,977	-	-		
7	2,069	...	2,046	-	-		
8	1,943	...	1,947	-	-		
9	1,991	...	1,953	-	-		
10	1,921	...	1,912	-	-		
11	2,078	...	2,089	-	-		
12	2,080	...	2,030	-	-		
重油計			Heavy fuel oil total				
平成 29 年	539,636	-	526,085	166,032	51,382		
30	438,837	-	427,224	146,869	51,954		
令和 1 年	376,981	-	350,875	133,449	51,922		
2	335,391	-	333,287	152,290	36,054		
3	322,526	-	317,885	120,259	36,183		
令和 1 年度	360,663	-	340,999	127,961	48,460		
2	335,666	-	330,532	156,499	33,669		
3 年 1~3月	83,387	-	82,130	35,753	7,591		
4~6	72,832	-	71,721	22,755	8,339		
7~9	79,497	-	78,215	25,488	11,053		
10~12	86,810	-	85,819	36,263	9,200		
3 年 1月	24,480	-	30,144	15,532	2,209		
2	29,270	-	23,584	8,614	2,280		
3	29,637	-	28,402	11,607	3,102		
4	25,483	-	23,950	8,535	1,889		
5	21,297	-	22,676	7,239	2,632		
6	26,052	-	25,095	6,981	3,818		
7	27,578	-	28,565	9,650	3,796		
8	26,692	-	24,869	7,673	3,912		
9	25,227	-	24,781	8,165	3,345		
10	28,028	-	30,283	12,954	3,589		
11	30,825	-	29,029	12,374	2,980		
12	27,957	-	26,507	10,935	2,631		

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
92,035	...	70,087	21,948	544	3,753	C.Y.	2017
89,800	...	71,733	18,067	1,053	3,937	C.Y.	2018
84,194	...	67,462	16,732	1,010	3,813	C.Y.	2019
73,699	...	58,267	15,432	808	3,575	C.Y.	2020
82,348	...	66,013	16,335	950	3,700	C.Y.	2021
80,960	...	65,213	15,747	974	3,522	F.Y.	2019
74,326	...	58,925	15,401	807	3,442	F.Y.	2020
20,161	...	16,104	4,057	217	3,442	Q1	2021
21,306	...	17,070	4,236	238	3,435	Q2	
19,488	...	15,762	3,726	238	3,458	Q3	
21,393	...	17,077	4,316	257	3,700	Q4	
6,886	...	5,324	1,562	51	3,409	Jan.	2021
6,334	...	5,117	1,217	86	3,510	Feb.	
6,941	...	5,663	1,278	80	3,442	Mar.	
6,903	...	5,617	1,286	81	3,584	Apr.	
6,985	...	5,549	1,436	71	3,532	May	
7,418	...	5,904	1,514	86	3,435	Jun.	
6,940	...	5,659	1,281	96	3,508	Jul.	
5,652	...	4,476	1,176	72	3,434	Aug.	
6,896	...	5,627	1,269	70	3,458	Sep.	
6,998	...	5,778	1,220	80	3,392	Oct.	
7,402	...	5,955	1,447	93	3,384	Nov.	
6,993	...	5,344	1,649	84	3,700	Dec.	

単位 Unit : kl

24,103	...	289	23,814	135	139	C.Y.	2017
22,860	...	314	22,546	147	147	C.Y.	2018
24,627	...	285	24,342	137	144	C.Y.	2019
22,227	...	238	21,989	114	156	C.Y.	2020
25,112	...	228	24,884	137	145	C.Y.	2021
24,979	...	275	24,704	133	152	F.Y.	2019
21,957	...	232	21,725	119	121	F.Y.	2020
6,102	...	59	6,043	34	121	Q1	2021
7,033	...	52	6,981	33	119	Q2	
5,946	...	55	5,891	35	137	Q3	
6,031	...	62	5,969	35	145	Q4	
1,972	...	19	1,953	12	134	Jan.	2021
2,080	...	18	2,062	11	99	Feb.	
2,050	...	22	2,028	11	121	Mar.	
3,195	...	16	3,179	11	146	Apr.	
1,861	...	17	1,844	11	113	May	
1,977	...	19	1,958	11	119	Jun.	
2,046	...	18	2,028	12	128	Jul.	
1,947	...	19	1,928	11	113	Aug.	
1,953	...	18	1,935	12	137	Sep.	
1,912	...	22	1,890	11	133	Oct.	
2,089	...	20	2,069	12	110	Nov.	
2,030	...	20	2,010	12	145	Dec.	

単位 Unit : kl

308,671	-	300,139	8,532	18,862	52,475	C.Y.	2017
228,401	-	219,935	8,466	14,490	49,437	C.Y.	2018
165,504	-	154,886	10,618	13,195	61,582	C.Y.	2019
144,943	-	128,194	16,749	10,787	52,220	C.Y.	2020
161,443	-	155,253	6,190	8,996	47,538	C.Y.	2021
164,578	-	147,494	17,084	12,586	56,729	F.Y.	2019
140,364	-	130,354	10,010	9,819	51,343	F.Y.	2020
38,786	-	37,217	1,569	2,002	51,343	Q1	2021
40,627	-	39,236	1,391	2,650	49,668	Q2	
41,674	-	40,051	1,623	2,206	48,704	Q3	
40,356	-	38,749	1,607	2,138	47,538	Q4	
12,403	-	11,756	647	799	45,548	Jan.	2021
12,690	-	12,199	491	507	50,825	Feb.	
13,693	-	13,262	431	696	51,343	Mar.	
13,526	-	13,007	519	969	51,887	Apr.	
12,805	-	12,397	408	658	49,844	May	
14,296	-	13,832	464	1,023	49,668	Jun.	
15,119	-	14,694	425	1,059	47,608	Jul.	
13,284	-	12,669	615	564	48,842	Aug.	
13,271	-	12,688	583	583	48,704	Sep.	
13,740	-	13,152	588	631	45,801	Oct.	
13,675	-	13,192	483	529	47,054	Nov.	
12,941	-	12,405	536	978	47,538	Dec.	

A重油			Heavy fuel oil A			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	256,319	...	245,419	62,397	6,406	
30	257,000	...	244,868	75,823	6,172	
令和 1 年	205,126	...	190,668	53,485	4,828	
2	200,114	...	197,142	74,941	2,085	
3	164,882	...	161,852	38,217	1,679	
令和 1 年度	192,293	...	180,381	42,400	4,175	
2	196,592	...	194,077	78,738	1,412	
3 年 1~3月	44,103	...	45,034	14,622	327	
4~6	40,956	...	38,033	7,772	402	
7~9	39,767	...	40,319	9,039	460	
10~12	40,056	...	38,466	6,784	490	
3 年 1月	12,877	...	14,218	4,278	106	
2	14,343	...	14,018	4,168	95	
3	16,883	...	16,798	6,176	126	
4	15,270	...	13,110	2,976	138	
5	13,208	...	12,044	2,335	94	
6	12,478	...	12,879	2,461	170	
7	14,359	...	13,984	3,423	145	
8	12,895	...	12,808	3,116	183	
9	12,513	...	13,527	2,500	132	
10	13,701	...	12,871	2,172	166	
11	12,942	...	12,946	1,967	149	
12	13,413	...	12,649	2,645	175	

B・C重油			Heavy fuel oil B・C			
平成 29 年	283,317	-	280,666	103,635	44,976	
30	181,837	-	182,356	71,046	45,782	
令和 1 年	171,855	-	160,207	79,964	47,094	
2	135,277	-	136,145	77,349	33,969	
3	157,644	-	156,033	82,042	34,504	
令和 1 年度	168,370	-	160,618	85,561	44,285	
2	139,074	-	136,455	77,761	32,257	
3 年 1~3月	39,284	-	37,096	21,131	7,264	
4~6	31,876	-	33,688	14,983	7,937	
7~9	39,730	-	37,896	16,449	10,593	
10~12	46,754	-	47,353	29,479	8,710	
3 年 1月	11,603	-	15,926	11,254	2,103	
2	14,927	-	9,566	4,446	2,185	
3	12,754	-	11,604	5,431	2,976	
4	10,213	-	10,840	5,559	1,751	
5	8,089	-	10,632	4,904	2,538	
6	13,574	-	12,216	4,520	3,648	
7	13,219	-	14,581	6,227	3,651	
8	13,797	-	12,061	4,557	3,729	
9	12,714	-	11,254	5,665	3,213	
10	14,327	-	17,412	10,782	3,423	
11	17,883	-	16,083	10,407	2,831	
12	14,544	-	13,858	8,290	2,456	

炭化水素油			Hydrocarbon oil			
平成 29 年	86,838	...	83,267	-	-	
30	87,265	...	93,751	-	-	
令和 1 年	73,595	...	72,964	-	-	
2	72,249	...	70,803	-	-	
3	80,495	...	82,668	-	-	
令和 1 年度	68,294	...	69,548	-	-	
2	73,719	...	72,103	-	-	
3 年 1~3月	18,972	...	18,457	-	-	
4~6	20,143	...	18,500	-	-	
7~9	17,276	...	22,027	-	-	
10~12	24,104	...	23,684	-	-	
3 年 1月	9,095	...	8,314	-	-	
2	4,240	...	5,044	-	-	
3	5,637	...	5,099	-	-	
4	8,504	...	5,713	-	-	
5	7,875	...	6,394	-	-	
6	3,764	...	6,393	-	-	
7	4,340	...	7,750	-	-	
8	8,858	...	7,144	-	-	
9	4,078	...	7,133	-	-	
10	9,338	...	8,111	-	-	
11	7,573	...	8,201	-	-	
12	7,193	...	7,372	-	-	

単位 Unit : kl

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month	
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others				
176,616	...	169,545	7,071	9,503	17,281	C.Y.	2017
162,873	...	155,902	6,971	8,965	20,153	C.Y.	2018
132,355	...	123,076	9,279	7,874	26,019	C.Y.	2019
120,116	...	104,596	15,520	6,671	21,902	C.Y.	2020
121,956	...	117,101	4,855	4,714	20,026	C.Y.	2021
133,806	...	118,049	15,757	7,541	23,619	F.Y.	2019
113,927	...	105,064	8,863	5,738	19,991	F.Y.	2020
30,085	...	28,817	1,268	895	19,991	Q1	2021
29,859	...	28,783	1,076	1,389	21,488	Q2	
30,820	...	29,511	1,309	999	19,906	Q3	
31,192	...	29,990	1,202	1,431	20,026	Q4	
9,834	...	9,286	548	410	20,089	Jan.	2021
9,755	...	9,380	375	193	20,215	Feb.	
10,496	...	10,151	345	292	19,991	Mar.	
9,996	...	9,567	429	509	21,626	Apr.	
9,615	...	9,317	298	277	22,511	May	
10,248	...	9,899	349	603	21,488	Jun.	
10,416	...	10,089	327	597	21,256	Jul.	
9,509	...	9,013	496	155	21,167	Aug.	
10,895	...	10,409	486	247	19,906	Sep.	
10,533	...	10,061	472	407	20,316	Oct.	
10,830	...	10,475	355	359	19,943	Nov.	
9,829	...	9,454	375	665	20,026	Dec.	

単位 Unit : kl

132,055	-	130,594	1,461	9,359	35,194	C.Y.	2017
65,528	-	64,033	1,495	5,525	29,284	C.Y.	2018
33,149	-	31,810	1,339	5,321	35,563	C.Y.	2019
24,827	-	23,598	1,229	4,116	30,318	C.Y.	2020
39,487	-	38,152	1,335	4,282	27,512	C.Y.	2021
30,772	-	29,445	1,327	5,045	33,110	F.Y.	2019
26,437	-	25,290	1,147	4,081	31,352	F.Y.	2020
8,701	-	8,400	301	1,107	31,352	Q1	2021
10,768	-	10,453	315	1,261	28,180	Q2	
10,854	-	10,540	314	1,207	28,798	Q3	
9,164	-	8,759	405	707	27,512	Q4	
2,569	-	2,470	99	389	25,459	Jan.	2021
2,935	-	2,819	116	314	30,610	Feb.	
3,197	-	3,111	86	404	31,352	Mar.	
3,530	-	3,440	90	460	30,261	Apr.	
3,190	-	3,080	110	381	27,333	May	
4,048	-	3,933	115	420	28,180	Jun.	
4,703	-	4,605	98	462	26,352	Jul.	
3,775	-	3,656	119	409	27,675	Aug.	
2,376	-	2,279	97	336	28,798	Sep.	
3,207	-	3,091	116	224	25,485	Oct.	
2,845	-	2,717	128	170	27,111	Nov.	
3,112	-	2,951	161	313	27,512	Dec.	

単位 Unit : kl

83,267	83,267	-	-	-	8,478	C.Y.	2017
93,751	93,751	-	-	-	1,992	C.Y.	2018
72,964	72,964	-	-	-	2,721	C.Y.	2019
70,803	70,803	-	-	-	6,420	C.Y.	2020
82,668	82,668	-	-	-	2,958	C.Y.	2021
69,548	69,548	-	-	-	5,319	F.Y.	2019
72,103	72,103	-	-	-	5,646	F.Y.	2020
18,457	18,457	-	-	-	5,646	Q1	2021
18,500	18,500	-	-	-	7,289	Q2	
22,027	22,027	-	-	-	2,538	Q3	
23,684	23,684	-	-	-	2,958	Q4	
8,314	8,314	-	-	-	7,201	Jan.	2021
5,044	5,044	-	-	-	6,397	Feb.	
5,099	5,099	-	-	-	5,646	Mar.	
5,713	5,713	-	-	-	8,437	Apr.	
6,394	6,394	-	-	-	9,918	May	
6,393	6,393	-	-	-	7,289	Jun.	
7,750	7,750	-	-	-	3,879	Jul.	
7,144	7,144	-	-	-	5,593	Aug.	
7,133	7,133	-	-	-	2,538	Sep.	
8,111	8,111	-	-	-	3,765	Oct.	
8,201	8,201	-	-	-	3,137	Nov.	
7,372	7,372	-	-	-	2,958	Dec.	

液化石油ガス			Liquefied petroleum gas		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	296,091	...	300,654	39,709	-
平成 30 年	319,809	...	302,655	40,042	-
令和 1 年	277,078	...	270,488	36,469	-
令和 2 年	242,800	...	238,410	42,585	-
令和 3 年	238,329	...	239,043	45,646	-
令和 1 年度	268,691	...	259,099	33,524	-
令和 2 年度	244,434	...	244,427	51,742	-
令和 3 年 1~3月	57,838	...	64,755	13,904	-
令和 3 年 4~6月	55,929	...	58,898	9,074	-
令和 3 年 7~9月	76,405	...	59,578	12,157	-
令和 3 年 10~12月	48,157	...	55,812	10,511	-
令和 3 年 1月	17,193	...	21,428	4,899	-
令和 3 年 2月	17,975	...	20,403	3,908	-
令和 3 年 3月	22,670	...	22,924	5,097	-
令和 3 年 4月	18,131	...	18,044	1,800	-
令和 3 年 5月	19,119	...	20,570	4,087	-
令和 3 年 6月	18,679	...	20,284	3,187	-
令和 3 年 7月	15,868	...	17,319	3,249	-
令和 3 年 8月	17,282	...	19,524	3,617	-
令和 3 年 9月	43,255	...	22,735	5,291	-
令和 3 年 10月	15,102	...	18,614	3,678	-
令和 3 年 11月	16,924	...	19,187	3,945	-
令和 3 年 12月	16,131	...	18,011	2,888	-
石油系炭化水素ガス			Hydrocarbon gas		
平成 29 年	48	...	48	-	-
平成 30 年	47	...	47	-	-
令和 1 年	34	...	34	-	-
令和 2 年	32	...	32	-	-
令和 3 年	46	...	46	-	-
令和 1 年度	33	...	33	-	-
令和 2 年度	35	...	35	-	-
令和 3 年 1~3月	11	...	11	-	-
令和 3 年 4~6月	9	...	9	-	-
令和 3 年 7~9月	15	...	15	-	-
令和 3 年 10~12月	11	...	11	-	-
令和 3 年 1月	3	...	3	-	-
令和 3 年 2月	3	...	3	-	-
令和 3 年 3月	5	...	5	-	-
令和 3 年 4月	3	...	3	-	-
令和 3 年 5月	3	...	3	-	-
令和 3 年 6月	3	...	3	-	-
令和 3 年 7月	5	...	5	-	-
令和 3 年 8月	5	...	5	-	-
令和 3 年 9月	5	...	5	-	-
令和 3 年 10月	3	...	3	-	-
令和 3 年 11月	5	...	5	-	-
令和 3 年 12月	3	...	3	-	-
オイルコークス			Petroleum coke		
平成 29 年	1,179,247	...	1,036,372	-	-
平成 30 年	1,172,172	...	910,101	-	-
令和 1 年	1,147,915	...	918,971	-	-
令和 2 年	854,882	...	770,165	-	-
令和 3 年	690,819	...	499,213	-	-
令和 1 年度	1,122,470	...	937,518	-	-
令和 2 年度	696,905	...	631,905	-	-
令和 3 年 1~3月	55,814	...	113,807	-	-
令和 3 年 4~6月	261,729	...	70,447	-	-
令和 3 年 7~9月	204,368	...	143,409	-	-
令和 3 年 10~12月	168,908	...	171,550	-	-
令和 3 年 1月	14,142	...	45,526	-	-
令和 3 年 2月	28,460	...	37,952	-	-
令和 3 年 3月	13,212	...	30,329	-	-
令和 3 年 4月	41,090	...	23,796	-	-
令和 3 年 5月	217,325	...	24,750	-	-
令和 3 年 6月	3,314	...	21,901	-	-
令和 3 年 7月	77,847	...	30,375	-	-
令和 3 年 8月	1,443	...	54,749	-	-
令和 3 年 9月	125,078	...	58,285	-	-
令和 3 年 10月	82,318	...	31,601	-	-
令和 3 年 11月	41,232	...	96,247	-	-
令和 3 年 12月	45,358	...	43,702	-	-

単位 Unit : t

Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
260,945	-	156,321	104,624	12,282	22,229	C.Y. 2017
262,613	-	154,460	108,153	13,107	26,582	C.Y. 2018
234,019	-	133,615	100,404	4,117	29,103	C.Y. 2019
195,825	-	108,664	87,161	1,560	31,993	C.Y. 2020
193,397	-	115,317	78,080	1,530	29,900	C.Y. 2021
225,575	-	126,015	99,560	2,729	26,437	F.Y. 2019
192,685	-	109,210	83,475	1,799	24,670	F.Y. 2020
50,851	-	29,864	20,987	404	24,670	Q1 2021
49,824	-	29,406	20,418	256	21,500	Q2
47,421	-	29,883	17,538	469	37,920	Q3
45,301	-	26,164	19,137	401	29,900	Q4
16,529	-	9,959	6,570	259	27,460	Jan. 2021
16,495	-	9,430	7,065	82	24,971	Feb.
17,827	-	10,475	7,352	63	24,670	Mar.
16,244	-	9,363	6,881	70	24,701	Apr.
16,483	-	9,901	6,582	101	23,172	May
17,097	-	10,142	6,955	85	21,500	Jun.
14,070	-	9,256	4,814	135	19,933	Jul.
15,907	-	9,868	6,039	170	17,543	Aug.
17,444	-	10,759	6,685	164	37,920	Sep.
14,936	-	8,630	6,306	221	34,187	Oct.
15,242	-	9,159	6,083	73	31,874	Nov.
15,123	-	8,375	6,748	107	29,900	Dec.

単位 Unit : 1000m³

48	-	48	-	...	...	C.Y. 2017
47	-	47	-	...	...	C.Y. 2018
34	-	34	-	...	...	C.Y. 2019
32	-	32	-	...	...	C.Y. 2020
46	-	46	-	...	...	C.Y. 2021
33	-	33	-	...	...	F.Y. 2019
35	-	35	-	...	...	F.Y. 2020
11	-	11	-	...	...	Q1 2021
9	-	9	-	...	...	Q2
15	-	15	-	...	...	Q3
11	-	11	-	...	...	Q4
3	-	3	-	...	...	Jan. 2021
3	-	3	-	...	...	Feb.
5	-	5	-	...	...	Mar.
3	-	3	-	...	...	Apr.
3	-	3	-	...	...	May
3	-	3	-	...	...	Jun.
5	-	5	-	...	...	Jul.
5	-	5	-	...	...	Aug.
5	-	5	-	...	...	Sep.
3	-	3	-	...	...	Oct.
5	-	5	-	...	...	Nov.
3	-	3	-	...	...	Dec.

単位 Unit : t

1,036,372	382,179	653,178	1,015	230,497	175,130	C.Y. 2017
910,101	338,175	569,284	2,642	236,111	198,768	C.Y. 2018
918,971	261,635	657,336	-	207,576	209,057	C.Y. 2019
770,165	267,279	502,012	874	152,981	136,905	C.Y. 2020
499,213	217,068	282,145	-	202,682	124,685	C.Y. 2021
937,518	275,501	662,017	-	226,450	115,870	F.Y. 2019
631,905	235,593	395,438	874	115,697	58,623	F.Y. 2020
113,807	54,962	58,845	-	18,093	58,623	Q1 2021
70,447	28,702	41,745	-	78,789	172,491	Q2
143,409	49,438	93,971	-	60,433	167,041	Q3
171,550	83,966	87,584	-	45,367	124,685	Q4
45,526	27,042	18,484	-	9,223	96,406	Jan. 2021
37,952	20,054	17,898	-	5,417	78,272	Feb.
30,329	7,866	22,463	-	3,453	58,623	Mar.
23,796	9,688	14,108	-	16,121	59,138	Apr.
24,750	10,400	14,350	-	52,189	200,234	May
21,901	8,614	13,287	-	10,479	172,491	Jun.
30,375	15,390	14,985	-	9,794	209,626	Jul.
54,749	17,121	37,628	-	10,202	144,806	Aug.
58,285	16,927	41,358	-	40,437	167,041	Sep.
31,601	7,792	23,809	-	9,446	207,885	Oct.
96,247	60,566	35,681	-	7,985	145,014	Nov.
43,702	15,608	28,094	-	27,936	124,685	Dec.

再生油(石油由来)			Reproduction oil(Oil origin)		
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	3,061	-	3,107	-	-
30	3,187	-	3,199	-	-
令和 1 年	2,336	-	2,292	-	-
2	2,696	-	2,680	1	-
3	1,558	-	1,438	-	-
令和 1 年度	2,562	-	2,467	-	-
2	2,568	-	2,479	1	-
3 年 1~3月	481	-	405	-	-
4~6	409	-	387	-	-
7~9	355	-	333	-	-
10~12	313	-	313	-	-
3 年 1月	129	-	113	-	-
2	153	-	153	-	-
3	199	-	139	-	-
4	143	-	159	-	-
5	167	-	129	-	-
6	99	-	99	-	-
7	77	-	77	-	-
8	109	-	109	-	-
9	169	-	147	-	-
10	103	-	103	-	-
11	117	-	117	-	-
12	93	-	93	-	-
非石油系燃料(原油換算)			Non-oil based fuels (Crude petroleum equivalent)		
平成 29 年	58,620,411	39,305,299	84,202,879	6,662,763	360,356
30	58,393,506	38,696,886	83,656,703	6,534,247	281,154
令和 1 年	56,647,789	38,334,021	81,904,241	6,486,821	183,364
2	49,040,282	33,873,066	71,041,426	5,979,155	100,303
3	54,321,937	36,224,593	77,880,070	6,348,544	98,079
令和 1 年度	56,441,809	38,400,188	81,870,595	6,474,380	134,397
2	48,516,466	33,271,589	70,125,166	6,049,950	95,783
3 年 1~3月	12,949,943	9,002,965	19,474,857	1,711,917	25,768
4~6	13,956,333	9,036,968	19,400,082	1,516,773	21,307
7~9	13,616,225	9,082,519	19,620,764	1,671,921	23,590
10~12	13,799,435	9,102,141	19,384,367	1,447,933	27,415
3 年 1月	3,732,238	3,099,348	6,691,654	601,971	8,730
2	4,438,364	2,796,438	6,053,559	537,048	6,944
3	4,779,342	3,107,179	6,729,644	572,898	10,094
4	4,585,308	2,947,531	6,317,434	474,064	8,130
5	4,831,417	3,101,181	6,662,593	512,373	6,304
6	4,539,609	2,988,256	6,420,055	530,336	6,873
7	4,716,306	3,043,961	6,580,770	572,312	6,927
8	4,437,073	3,047,302	6,582,881	566,648	8,107
9	4,462,846	2,991,257	6,457,113	532,961	8,556
10	4,560,674	3,031,884	6,464,877	449,838	8,028
11	4,832,651	2,998,388	6,293,726	446,981	6,389
12	4,406,111	3,071,869	6,625,763	551,114	12,998
コークス製造用炭(原料炭)			Coal for making coke (material coal)		
平成 29 年	44,881,046	...	40,592,230	-	-
30	43,958,388	...	40,222,595	-	-
令和 1 年	43,956,582	...	40,071,674	-	-
2	38,458,419	...	35,620,727	-	-
3	41,189,241	...	38,175,446	16,285	-
令和 1 年度	43,811,402	...	40,448,935	-	-
2	37,571,585	...	34,768,839	-	-
3 年 1~3月	9,471,486	...	9,395,983	-	-
4~6	10,724,557	...	9,483,075	-	-
7~9	10,337,324	...	9,593,525	16,285	-
10~12	10,655,874	...	9,702,863	-	-
3 年 1月	2,448,220	...	3,239,395	-	-
2	3,507,214	...	2,898,678	-	-
3	3,516,052	...	3,257,910	-	-
4	3,643,360	...	3,107,460	-	-
5	3,638,573	...	3,239,982	-	-
6	3,442,624	...	3,135,633	-	-
7	3,641,202	...	3,193,699	-	-
8	3,351,256	...	3,215,351	-	-
9	3,344,866	...	3,184,475	16,285	-
10	3,589,984	...	3,289,972	-	-
11	3,824,031	...	3,130,870	-	-
12	3,241,859	...	3,282,021	-	-

単位 Unit : kl

Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
3,107	-	3,107	-	-	530	C.Y. 2017
3,199	-	3,199	-	-	518	C.Y. 2018
2,292	-	2,292	-	-	562	C.Y. 2019
2,679	-	2,679	-	-	576	C.Y. 2020
1,438	-	1,438	-	-	696	C.Y. 2021
2,467	-	2,467	-	-	565	F.Y. 2019
2,478	-	2,478	-	-	652	F.Y. 2020
405	-	405	-	-	652	Q1 2021
387	-	387	-	-	674	Q2
333	-	333	-	-	696	Q3
313	-	313	-	-	696	Q4
113	-	113	-	-	592	Jan. 2021
153	-	153	-	-	592	Feb.
139	-	139	-	-	652	Mar.
159	-	159	-	-	636	Apr.
129	-	129	-	-	674	May
99	-	99	-	-	674	Jun.
77	-	77	-	-	674	Jul.
109	-	109	-	-	674	Aug.
147	-	147	-	-	696	Sep.
103	-	103	-	-	696	Oct.
117	-	117	-	-	696	Nov.
93	-	93	-	-	696	Dec.

単位 Unit : kl

77,179,759	28,323,220	47,710,248	1,146,292	13,108,666	5,930,340	C.Y. 2017
76,841,302	28,046,500	47,720,159	1,074,643	12,592,794	5,897,238	C.Y. 2018
75,234,056	28,024,542	46,133,078	1,076,436	12,364,423	5,953,060	C.Y. 2019
64,961,968	25,551,027	38,441,159	969,781	11,483,235	5,774,830	C.Y. 2020
71,433,447	26,534,442	43,799,675	1,099,330	12,421,770	5,343,209	C.Y. 2021
75,261,817	28,178,478	45,996,384	1,086,956	12,522,169	5,108,908	F.Y. 2019
63,979,434	24,980,215	38,042,376	956,843	11,318,283	4,956,960	F.Y. 2020
17,737,172	6,540,137	10,932,715	264,320	3,100,747	4,956,960	Q1 2021
17,862,002	6,596,200	10,972,086	293,716	3,135,986	5,317,904	Q2
17,925,254	6,650,569	11,010,319	264,366	3,154,274	5,029,923	Q3
17,909,019	6,747,537	10,884,555	276,928	3,030,763	5,343,209	Q4
6,080,953	2,269,755	3,722,133	89,065	975,008	4,893,954	Jan. 2021
5,509,567	2,025,136	3,404,146	80,285	1,048,395	5,016,279	Feb.
6,146,653	2,245,246	3,806,436	94,971	1,077,343	4,956,960	Mar.
5,835,240	2,181,772	3,563,088	90,380	978,387	5,162,831	Apr.
6,143,916	2,237,124	3,795,189	111,603	1,133,518	5,275,476	May
5,882,846	2,177,304	3,613,809	91,733	1,024,081	5,317,904	Jun.
6,001,531	2,234,432	3,679,576	87,523	1,074,927	5,401,377	Jul.
6,008,126	2,227,348	3,692,361	88,418	1,073,471	5,128,004	Aug.
5,915,597	2,188,788	3,638,383	88,426	1,005,876	5,029,923	Sep.
6,007,012	2,269,117	3,647,781	90,114	1,136,957	4,953,725	Oct.
5,840,356	2,202,443	3,543,509	94,404	1,004,092	5,403,568	Nov.
6,061,651	2,275,977	3,693,265	92,410	889,714	5,343,209	Dec.

単位 Unit : t

40,592,230	36,410,219	4,182,011	-	3,992,173	4,070,918	C.Y. 2017
40,222,595	36,056,520	4,166,075	-	3,640,251	3,990,253	C.Y. 2018
40,071,674	36,071,829	3,999,837	8	3,736,824	4,221,622	C.Y. 2019
35,620,727	32,907,329	2,712,753	645	2,844,078	4,160,285	C.Y. 2020
38,159,161	34,300,577	3,858,467	117	3,307,223	3,695,796	C.Y. 2021
40,448,935	36,288,401	4,160,533	1	3,781,041	3,269,115	F.Y. 2019
34,768,839	32,221,720	2,546,474	645	2,708,535	3,352,963	F.Y. 2020
9,395,983	8,473,522	922,461	-	852,240	3,352,963	Q1 2021
9,483,075	8,517,719	965,319	37	873,080	3,736,920	Q2
9,577,240	8,596,301	980,859	80	811,151	3,600,069	Q3
9,702,863	8,713,035	989,828	-	770,752	3,695,796	Q4
3,239,395	2,936,094	303,301	-	213,999	3,180,367	Jan. 2021
2,898,678	2,627,147	271,531	-	376,244	3,446,958	Feb.
3,257,910	2,910,281	347,629	-	261,997	3,352,963	Mar.
3,107,460	2,816,025	291,435	-	260,873	3,633,502	Apr.
3,239,982	2,890,044	349,938	-	308,427	3,744,060	May
3,135,633	2,811,650	323,946	37	303,780	3,736,920	Jun.
3,193,699	2,885,835	307,784	80	227,982	3,956,685	Jul.
3,215,351	2,877,456	337,895	-	361,312	3,655,149	Aug.
3,168,190	2,833,010	335,180	-	221,857	3,600,069	Sep.
3,289,972	2,933,018	356,954	-	392,531	3,466,712	Oct.
3,130,870	2,838,245	292,625	-	248,286	3,845,418	Nov.
3,282,021	2,941,772	340,249	-	129,935	3,695,796	Dec.

石炭		Coal			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation
平成 29 年	18,410,704	...	15,781,613	3,624,274	-
30	18,106,602	...	15,893,082	3,625,919	-
令和 1 年	17,427,079	...	14,806,812	3,431,767	-
2	15,822,242	...	12,521,004	3,260,873	-
3	18,215,839	...	15,031,306	3,370,641	-
令和 1 年度	17,943,900	...	15,024,114	3,483,385	-
2	15,738,038	...	12,599,112	3,333,003	-
3 年 1~3月	4,422,482	...	3,860,054	995,422	-
4~6	4,474,406	...	3,691,645	703,333	-
7~9	4,589,758	...	3,789,055	935,742	-
10~12	4,729,193	...	3,690,552	736,144	-
3 年 1月	1,484,568	...	1,355,487	343,353	-
2	1,360,972	...	1,191,639	315,739	-
3	1,576,942	...	1,312,928	336,330	-
4	1,309,801	...	1,150,921	194,208	-
5	1,621,103	...	1,271,088	221,400	-
6	1,543,502	...	1,269,636	287,725	-
7	1,562,734	...	1,283,507	335,566	-
8	1,505,669	...	1,265,116	320,967	-
9	1,521,355	...	1,240,432	279,209	-
10	1,511,977	...	1,197,437	197,542	-
11	1,596,869	...	1,188,488	228,316	-
12	1,620,347	...	1,304,627	310,286	-

石炭コークス		Coal coke			
平成 29 年	8,893,171	25,072,763	31,281,619	...	-
30	9,309,539	24,791,734	31,069,794	...	-
令和 1 年	7,933,450	24,961,916	30,475,528	...	-
2	5,910,861	22,844,972	25,879,544	...	-
3	7,285,407	23,623,932	28,231,878	...	-
令和 1 年度	7,508,003	25,081,503	30,141,337	...	-
2	6,147,317	22,382,003	25,639,033	...	-
3 年 1~3月	1,880,309	5,863,387	7,109,944	...	-
4~6	2,043,954	5,882,982	7,057,556	...	-
7~9	1,792,785	5,870,406	7,144,416	...	-
10~12	1,568,359	6,007,157	6,919,962	...	-
3 年 1月	557,982	2,032,516	2,415,570	...	-
2	586,510	1,818,687	2,231,433	...	-
3	735,817	2,012,184	2,462,941	...	-
4	680,932	1,934,139	2,312,989	...	-
5	735,885	2,008,085	2,434,599	...	-
6	627,137	1,940,758	2,309,968	...	-
7	593,510	1,979,343	2,411,917	...	-
8	592,756	1,961,922	2,403,722	...	-
9	606,519	1,929,141	2,328,777	...	-
10	514,276	1,988,734	2,291,740	...	-
11	550,194	1,988,952	2,271,516	...	-
12	503,889	2,029,471	2,356,706	...	-

タール		Tar			
平成 29 年	68,423	829,294	115,331	-	-
30	61,120	800,246	103,501	-	-
令和 1 年	55,503	764,976	98,693	-	-
2	61,578	722,636	108,471	-	-
3	63,486	715,978	106,444	-	-
令和 1 年度	53,744	757,695	97,694	-	-
2	63,072	705,856	107,744	-	-
3 年 1~3月	17,716	177,610	26,413	-	-
4~6	17,032	180,702	28,163	-	-
7~9	14,727	178,072	25,431	-	-
10~12	14,011	179,594	26,437	-	-
3 年 1月	6,457	57,853	7,834	-	-
2	5,240	57,334	8,778	-	-
3	6,019	62,423	9,801	-	-
4	5,851	59,220	9,286	-	-
5	5,315	60,227	9,134	-	-
6	5,866	61,255	9,743	-	-
7	4,659	59,294	8,321	-	-
8	5,285	61,585	8,835	-	-
9	4,783	57,193	8,275	-	-
10	3,754	59,273	7,651	-	-
11	5,368	60,689	9,433	-	-
12	4,889	59,632	9,353	-	-

単位 Unit : t

Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,157,339	607,210	11,549,092	1,037	3,090,344	2,320,007	C.Y. 2017
12,267,163	592,962	11,672,369	1,832	2,177,828	2,249,850	C.Y. 2018
11,375,045	599,127	10,775,687	231	2,645,780	2,131,707	C.Y. 2019
9,260,131	484,114	8,775,787	230	3,473,529	1,966,998	C.Y. 2020
11,660,665	618,801	11,022,144	19,720	3,462,889	1,706,115	C.Y. 2021
11,540,729	581,099	10,959,399	231	2,742,040	2,010,356	F.Y. 2019
9,266,109	480,837	8,785,042	230	3,472,168	1,718,392	F.Y. 2020
2,864,632	128,015	2,736,617	-	813,656	1,718,392	Q1 2021
2,988,312	152,124	2,816,571	19,617	832,012	1,692,250	Q2
2,853,313	167,687	2,685,523	103	888,838	1,582,544	Q3
2,954,408	170,975	2,783,433	-	928,383	1,706,115	Q4
1,012,134	50,856	961,278	-	257,926	1,850,790	Jan. 2021
875,900	34,690	841,210	-	287,204	1,755,699	Feb.
976,598	42,469	934,129	-	268,526	1,718,392	Mar.
956,713	50,684	906,029	-	228,968	1,654,164	Apr.
1,049,688	50,812	979,280	19,596	390,232	1,618,870	May
981,911	50,628	931,262	21	212,812	1,692,250	Jun.
947,941	56,794	891,044	103	348,742	1,645,055	Jul.
944,149	57,322	886,827	-	254,888	1,622,957	Aug.
961,223	53,571	907,652	-	285,208	1,582,544	Sep.
999,895	57,586	942,309	-	296,053	1,604,391	Oct.
960,172	56,794	903,378	-	300,077	1,715,377	Nov.
994,341	56,595	937,746	-	332,253	1,706,115	Dec.

単位 Unit : t

31,281,619	419,274	30,798,845	63,500	2,372,243	1,666,734	C.Y. 2017
31,069,794	431,103	30,586,031	52,660	2,701,817	1,726,586	C.Y. 2018
30,475,528	382,305	30,037,261	55,962	2,331,402	1,593,965	C.Y. 2019
25,879,544	341,042	25,474,331	64,171	2,651,617	1,605,730	C.Y. 2020
28,231,878	364,707	27,808,302	58,869	2,339,235	1,778,131	C.Y. 2021
30,141,337	380,754	29,696,948	63,635	2,281,247	1,544,613	F.Y. 2019
25,639,033	331,308	25,249,699	58,026	2,695,431	1,553,572	F.Y. 2020
7,109,944	92,556	7,004,113	13,275	625,938	1,553,572	Q1 2021
7,057,556	97,804	6,945,836	13,916	676,428	1,724,023	Q2
7,144,416	84,977	7,044,428	15,011	594,585	1,585,058	Q3
6,919,962	89,370	6,813,925	16,667	442,284	1,778,131	Q4
2,415,570	33,071	2,378,288	4,211	202,533	1,552,343	Jan. 2021
2,231,433	29,919	2,197,333	4,181	162,165	1,543,657	Feb.
2,462,941	29,566	2,428,492	4,883	261,240	1,553,572	Mar.
2,312,989	33,336	2,275,301	4,352	226,527	1,620,894	Apr.
2,434,599	33,143	2,396,698	4,758	216,323	1,708,813	May
2,309,968	31,325	2,273,837	4,806	233,578	1,724,023	Jun.
2,411,917	30,277	2,377,282	4,358	227,877	1,653,730	Jul.
2,403,722	28,956	2,369,314	5,452	172,500	1,622,040	Aug.
2,328,777	25,744	2,297,832	5,201	194,208	1,585,058	Sep.
2,291,740	29,087	2,256,735	5,918	173,684	1,614,571	Oct.
2,271,516	32,278	2,233,021	6,217	143,143	1,738,977	Nov.
2,356,706	28,005	2,324,169	4,532	125,457	1,778,131	Dec.

単位 Unit : t

115,331	115,331	-	-	768,729	12,880	C.Y. 2017
103,501	103,501	-	-	736,525	16,951	C.Y. 2018
98,693	98,693	-	-	682,958	20,565	C.Y. 2019
108,471	108,471	-	-	644,122	20,624	C.Y. 2020
106,444	106,444	-	-	641,596	20,218	C.Y. 2021
97,694	97,694	-	-	679,794	21,975	F.Y. 2019
107,744	107,744	-	-	628,289	22,211	F.Y. 2020
26,413	26,413	-	-	158,330	22,211	Q1 2021
28,163	28,163	-	-	165,969	17,729	Q2
25,431	25,431	-	-	156,012	22,392	Q3
26,437	26,437	-	-	161,285	20,218	Q4
7,834	7,834	-	-	53,547	20,483	Jan. 2021
8,778	8,778	-	-	47,982	23,490	Feb.
9,801	9,801	-	-	56,801	22,211	Mar.
9,286	9,286	-	-	54,679	20,762	Apr.
9,134	9,134	-	-	53,413	20,983	May
9,743	9,743	-	-	57,877	17,729	Jun.
8,321	8,321	-	-	54,652	16,627	Jul.
8,835	8,835	-	-	52,353	20,127	Aug.
8,275	8,275	-	-	49,007	22,392	Sep.
7,651	7,651	-	-	53,673	21,514	Oct.
9,433	9,433	-	-	54,806	20,877	Nov.
9,353	9,353	-	-	52,806	20,218	Dec.

年 月			Coke oven gas				
			受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成	29	年	1,661,655	11,069,677	9,752,089	1,506,799	-
	30		1,590,270	10,890,534	9,680,873	1,409,443	-
令和	1	年	1,602,254	10,898,464	9,648,747	1,419,880	37
	2		1,554,924	10,048,609	8,967,683	1,594,047	-
	3		1,619,577	10,396,922	9,382,188	1,424,470	-
令和	1	年度	1,635,653	10,952,944	9,631,260	1,446,598	-
	2		1,546,828	9,853,766	8,912,947	1,585,350	-
3	年	1~3月	410,500	2,574,463	2,329,129	358,223	-
		4~6	408,359	2,594,546	2,356,839	367,863	-
		7~9	402,691	2,598,564	2,338,813	343,312	-
		10~12	398,027	2,629,349	2,357,407	355,072	-
3	年	1月	143,662	898,020	809,154	144,573	-
		2	126,891	793,884	717,985	102,915	-
		3	139,947	882,559	801,990	110,735	-
		4	134,965	856,569	774,879	119,262	-
		5	139,800	881,381	805,833	128,611	-
		6	133,594	856,596	776,127	119,990	-
		7	137,278	876,071	789,743	107,099	-
		8	134,381	872,671	784,471	117,302	-
		9	131,032	849,822	764,599	118,911	-
		10	138,094	878,981	785,558	126,373	-
		11	129,162	868,738	774,420	101,959	-
		12	130,771	881,630	797,429	126,740	-
			Blast furnace gas				
平成	29	年	1,721,725	126,057,151	86,976,766	28,951,561	2,982,550
	30		1,773,983	125,518,225	83,751,402	28,077,145	2,017,698
令和	1	年	1,755,818	121,652,837	82,579,636	29,565,521	1,011,629
	2		826,971	98,309,280	68,289,239	23,473,063	98,093
	3		1,558,439	113,304,306	76,262,661	26,688,213	77,134
令和	1	年度	1,703,258	120,947,477	81,332,568	28,774,113	501,972
	2		803,517	97,105,433	67,424,462	23,567,905	-
3	年	1~3月	341,966	28,242,929	18,981,832	6,745,576	-
		4~6	375,313	28,360,277	19,545,906	7,047,005	-
		7~9	430,539	28,768,433	19,254,117	6,836,305	1,117
		10~12	410,621	27,932,667	18,480,806	6,059,327	76,017
3	年	1月	116,120	9,656,721	6,574,270	2,330,649	-
		2	102,355	8,769,112	5,856,658	2,088,355	-
		3	123,491	9,817,096	6,550,904	2,326,572	-
		4	111,503	9,143,081	6,322,921	2,286,518	-
		5	134,527	9,852,545	6,821,511	2,486,861	-
		6	129,283	9,364,651	6,401,474	2,273,626	-
		7	135,670	9,569,216	6,420,645	2,318,524	-
		8	143,859	9,697,794	6,551,993	2,347,491	-
		9	151,010	9,501,423	6,281,479	2,170,290	1,117
		10	138,257	9,338,772	6,094,303	1,972,539	2,903
		11	128,698	9,106,649	5,842,845	1,866,283	-
		12	143,666	9,487,246	6,543,658	2,220,505	73,114
			Converter furnace gas				
平成	29	年	71,527	7,464,036	5,155,961	1,787,273	17,818
	30		72,655	7,372,432	5,070,480	1,733,758	18,938
令和	1	年	71,489	6,962,702	4,834,906	1,658,963	13,031
	2		32,667	5,930,119	4,137,832	1,489,808	2,751
	3		52,385	6,689,865	4,490,510	1,501,373	-
令和	1	年度	65,301	7,021,775	4,908,772	1,725,710	9,691
	2		25,832	5,853,004	4,026,847	1,413,398	-
3	年	1~3月	9,090	1,685,910	1,140,552	382,117	-
		4~6	14,781	1,658,417	1,131,936	410,121	-
		7~9	16,241	1,729,582	1,166,970	372,168	-
		10~12	12,273	1,615,956	1,051,052	336,967	-
3	年	1月	3,091	550,038	368,696	119,069	-
		2	2,854	539,127	358,994	121,116	-
		3	3,145	596,745	412,862	141,932	-
		4	4,497	509,153	349,919	122,848	-
		5	5,930	583,107	403,229	149,440	-
		6	4,354	566,157	378,788	137,833	-
		7	5,844	562,979	385,343	118,303	-
		8	5,079	576,808	384,260	118,166	-
		9	5,318	589,795	397,367	135,699	-
		10	4,553	561,281	369,634	117,086	-
		11	4,349	523,018	328,047	93,683	-
		12	3,371	531,657	353,371	126,198	-

単位 Unit : 1000m³

Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
8,245,290	5,192	7,788,923	451,175	2,769,203	...	C.Y. 2017
8,271,430	5,865	7,826,621	438,944	2,622,786	...	C.Y. 2018
8,228,830	5,669	7,786,388	436,773	2,642,602	...	C.Y. 2019
7,373,636	5,121	6,990,686	377,829	2,409,720	...	C.Y. 2020
7,957,718	5,293	7,509,111	443,314	2,434,482	...	C.Y. 2021
8,184,662	5,717	7,752,516	426,429	2,730,064	...	F.Y. 2019
7,327,597	4,899	6,927,682	395,016	2,273,513	...	F.Y. 2020
1,970,906	1,257	1,848,601	121,048	593,033	...	Q1 2021
1,988,976	1,326	1,874,173	113,477	598,097	...	Q2
1,995,501	1,352	1,896,403	97,746	620,223	...	Q3
2,002,335	1,358	1,889,934	111,043	623,129	...	Q4
664,581	468	629,612	34,501	208,384	...	Jan. 2021
615,070	399	579,413	35,258	183,501	...	Feb.
691,255	390	639,576	51,289	201,148	...	Mar.
655,617	432	619,148	36,037	199,979	...	Apr.
677,222	444	636,250	40,528	197,358	...	May
656,137	450	618,775	36,912	200,760	...	Jun.
682,644	438	646,700	35,506	206,364	...	Jul.
667,169	484	633,271	33,414	208,924	...	Aug.
645,688	430	616,432	28,826	204,935	...	Sep.
659,185	441	625,101	33,643	216,629	...	Oct.
672,461	466	632,119	39,876	207,814	...	Nov.
670,689	451	632,714	37,524	198,686	...	Dec.

単位 Unit : 1000m³

55,042,655	-	50,432,337	4,610,318	38,528,010	...	C.Y. 2017
53,656,559	-	49,563,216	4,093,343	41,315,993	...	C.Y. 2018
52,002,486	-	47,554,655	4,447,831	38,687,106	...	C.Y. 2019
44,718,083	-	40,719,568	3,998,515	30,001,309	...	C.Y. 2020
49,497,314	-	45,078,803	4,418,511	36,929,834	...	C.Y. 2021
52,056,483	-	47,476,522	4,579,961	39,356,781	...	F.Y. 2019
43,856,557	-	40,018,805	3,837,752	29,664,046	...	F.Y. 2020
12,236,256	-	11,241,300	994,956	9,221,378	...	Q1 2021
12,498,901	-	11,261,086	1,237,815	8,765,091	...	Q2
12,416,695	-	11,343,380	1,073,315	9,556,281	...	Q3
12,345,462	-	11,233,037	1,112,425	9,387,084	...	Q4
4,243,621	-	3,876,099	367,522	3,075,789	...	Jan. 2021
3,768,303	-	3,467,894	300,409	2,902,133	...	Feb.
4,224,332	-	3,897,307	327,025	3,243,456	...	Mar.
4,036,403	-	3,631,746	404,657	2,816,176	...	Apr.
4,334,650	-	3,912,609	422,041	3,008,184	...	May
4,127,848	-	3,716,731	411,117	2,940,731	...	Jun.
4,102,121	-	3,748,725	353,396	3,150,235	...	Jul.
4,204,502	-	3,852,082	352,420	3,167,048	...	Aug.
4,110,072	-	3,742,573	367,499	3,238,998	...	Sep.
4,118,861	-	3,742,282	376,579	3,243,799	...	Oct.
3,976,562	-	3,635,559	341,003	3,186,547	...	Nov.
4,250,039	-	3,855,196	394,843	2,956,738	...	Dec.

単位 Unit : 1000m³

3,350,870	-	3,032,916	317,954	2,012,292	...	C.Y. 2017
3,317,784	-	3,032,556	285,228	1,966,491	...	C.Y. 2018
3,162,912	-	2,878,570	284,342	1,773,745	...	C.Y. 2019
2,645,273	-	2,424,078	221,195	1,446,169	...	C.Y. 2020
2,989,137	-	2,712,536	276,601	1,933,891	...	C.Y. 2021
3,173,371	-	2,888,832	284,539	1,721,150	...	F.Y. 2019
2,613,449	-	2,395,988	217,461	1,493,821	...	F.Y. 2020
758,435	-	693,788	64,647	465,982	...	Q1 2021
721,815	-	652,372	69,443	458,176	...	Q2
794,802	-	723,390	71,412	505,617	...	Q3
714,085	-	642,986	71,099	504,116	...	Q4
249,627	-	234,181	15,446	158,723	...	Jan. 2021
237,878	-	214,963	22,915	150,705	...	Feb.
270,930	-	244,644	26,286	156,554	...	Mar.
227,071	-	204,929	22,142	139,976	...	Apr.
253,789	-	225,304	28,485	153,974	...	May
240,955	-	222,139	18,816	164,226	...	Jun.
267,040	-	245,826	21,214	162,772	...	Jul.
266,094	-	242,439	23,655	174,656	...	Aug.
261,668	-	235,125	26,543	168,189	...	Sep.
252,548	-	226,373	26,175	175,372	...	Oct.
234,364	-	211,112	23,252	172,387	...	Nov.
227,173	-	205,501	21,672	156,357	...	Dec.

電気炉ガス			Electric furnace gas				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	-	112,771	76,152	66,896	-		
30	-	107,178	73,849	69,316	-		
令和 1 年	-	105,374	71,897	63,262	-		
2	-	81,697	71,276	66,435	-		
3	-	95,911	80,266	74,214	-		
令和 1 年度	-	102,811	75,032	65,278	-		
2	-	71,819	68,356	66,603	-		
3 年 1~3月	-	20,437	20,437	20,437	-		
4~6	-	28,330	22,085	20,399	-		
7~9	-	18,979	13,512	11,386	-		
10~12	-	28,165	24,232	21,992	-		
3 年 1月	-	6,448	6,448	6,448	-		
2	-	5,990	5,990	5,990	-		
3	-	7,999	7,999	7,999	-		
4	-	9,950	8,226	7,404	-		
5	-	10,527	7,599	7,588	-		
6	-	7,853	6,260	5,407	-		
7	-	9,779	7,806	7,111	-		
8	-	6,015	4,269	3,526	-		
9	-	3,185	1,437	749	-		
10	-	9,121	7,474	6,498	-		
11	-	11,330	9,447	8,347	-		
12	-	7,714	7,311	7,147	-		
天然ガス			Natural gas				
平成 29 年	24,029	-	24,005	2,701	-		
30	26,265	-	26,273	3,345	-		
令和 1 年	25,033	-	25,030	3,004	-		
2	22,238	-	22,239	2,522	-		
3	23,899	-	23,895	2,951	-		
令和 1 年度	24,108	-	24,114	2,841	-		
2	21,998	-	21,997	2,483	-		
3 年 1~3月	5,772	-	5,773	742	-		
4~6	6,372	-	6,371	724	-		
7~9	5,477	-	5,474	678	-		
10~12	6,278	-	6,277	807	-		
3 年 1月	1,795	-	1,803	229	-		
2	1,870	-	1,866	228	-		
3	2,107	-	2,104	285	-		
4	2,083	-	2,073	261	-		
5	2,110	-	2,126	232	-		
6	2,179	-	2,172	231	-		
7	1,785	-	1,778	227	-		
8	1,619	-	1,624	220	-		
9	2,073	-	2,072	231	-		
10	2,013	-	2,017	221	-		
11	2,189	-	2,186	267	-		
12	2,076	-	2,074	319	-		
液化天然ガス			Liquefied natural gas				
平成 29 年	469,413	-	440,141	48,805	20,009		
30	466,128	-	417,536	36,614	25,150		
令和 1 年	454,049	-	394,456	34,066	26,146		
2	349,075	-	339,540	33,270	26,753		
3	387,552	-	374,920	27,797	22,752		
令和 1 年度	439,868	-	388,403	34,093	26,000		
2	354,695	-	338,407	31,463	25,882		
3 年 1~3月	106,463	-	95,194	8,283	5,431		
4~6	73,884	-	89,854	6,294	5,499		
7~9	92,878	-	95,994	5,852	6,368		
10~12	114,327	-	93,878	7,368	5,454		
3 年 1月	25,135	-	32,098	2,766	2,043		
2	24,973	-	30,263	2,937	1,335		
3	56,355	-	32,833	2,580	2,053		
4	26,920	-	31,321	2,220	2,536		
5	23,576	-	29,733	2,205	1,427		
6	23,388	-	28,800	1,869	1,536		
7	36,365	-	31,042	1,978	1,655		
8	24,912	-	32,041	1,952	2,307		
9	31,601	-	32,911	1,922	2,406		
10	24,078	-	30,971	1,983	2,254		
11	35,733	-	31,230	2,609	1,707		
12	54,516	-	31,677	2,776	1,493		

単位 Unit : 1000m³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
9,256	-	9,256	-	36,619	...	C.Y. 2017
4,533	-	4,533	-	33,329	...	C.Y. 2018
8,635	-	8,635	-	33,477	...	C.Y. 2019
4,841	-	4,841	-	10,421	...	C.Y. 2020
6,052	-	6,052	-	15,645	...	C.Y. 2021
9,754	-	9,754	-	27,779	...	F.Y. 2019
1,753	-	1,753	-	3,463	...	F.Y. 2020
-	-	-	-	-	...	Q1 2021
1,686	-	1,686	-	6,245	...	Q2
2,126	-	2,126	-	5,467	...	Q3
2,240	-	2,240	-	3,933	...	Q4
-	-	-	-	-	...	Jan. 2021
-	-	-	-	-	...	Feb.
-	-	-	-	-	...	Mar.
822	-	822	-	1,724	...	Apr.
11	-	11	-	2,928	...	May
853	-	853	-	1,593	...	Jun.
695	-	695	-	1,973	...	Jul.
743	-	743	-	1,746	...	Aug.
688	-	688	-	1,748	...	Sep.
976	-	976	-	1,647	...	Oct.
1,100	-	1,100	-	1,883	...	Nov.
164	-	164	-	403	...	Dec.

単位 Unit : 1000m³

21,304	-	20,495	809	-	24	C.Y. 2017
22,928	-	22,090	838	-	16	C.Y. 2018
22,026	-	21,259	767	-	19	C.Y. 2019
19,717	-	19,158	559	-	16	C.Y. 2020
20,944	-	20,312	632	-	18	C.Y. 2021
21,273	-	20,537	736	-	16	F.Y. 2019
19,514	-	19,025	489	-	14	F.Y. 2020
5,031	-	4,906	125	-	14	Q1 2021
5,647	-	5,504	143	-	14	Q2
4,796	-	4,620	176	-	17	Q3
5,470	-	5,282	188	-	18	Q4
1,574	-	1,545	29	-	7	Jan. 2021
1,638	-	1,600	38	-	11	Feb.
1,819	-	1,761	58	-	14	Mar.
1,812	-	1,763	49	-	24	Apr.
1,894	-	1,864	30	-	7	May
1,941	-	1,877	64	-	14	Jun.
1,551	-	1,496	55	-	21	Jul.
1,404	-	1,340	64	-	16	Aug.
1,841	-	1,784	57	-	17	Sep.
1,796	-	1,741	55	-	13	Oct.
1,919	-	1,845	74	-	16	Nov.
1,755	-	1,696	59	-	18	Dec.

単位 Unit : t

371,327	-	332,568	38,759	40,337	24,629	C.Y. 2017
355,772	-	314,756	41,016	29,354	43,591	C.Y. 2018
334,244	-	302,015	32,229	20,776	82,181	C.Y. 2019
279,517	-	251,529	27,988	35,053	56,448	C.Y. 2020
324,371	-	292,112	32,259	24,921	44,083	C.Y. 2021
328,310	-	296,335	31,975	26,646	75,217	F.Y. 2019
281,062	-	252,769	28,293	29,498	61,833	F.Y. 2020
81,480	-	73,025	8,455	5,874	61,833	Q1 2021
78,061	-	70,779	7,282	4,706	41,154	Q2
83,774	-	75,346	8,428	5,953	32,040	Q3
81,056	-	72,962	8,094	8,388	44,083	Q4
27,289	-	24,271	3,018	2,107	47,369	Jan. 2021
25,991	-	23,225	2,766	1,809	40,269	Feb.
28,200	-	25,529	2,671	1,958	61,833	Mar.
26,565	-	24,097	2,468	1,842	55,589	Apr.
26,101	-	23,644	2,457	1,569	47,870	May
25,395	-	23,038	2,357	1,295	41,154	Jun.
27,409	-	24,385	3,024	1,600	44,876	Jul.
27,782	-	25,112	2,670	2,226	35,504	Aug.
28,583	-	25,849	2,734	2,127	32,040	Sep.
26,734	-	24,240	2,494	1,463	23,683	Oct.
26,914	-	24,244	2,670	4,428	23,739	Nov.
27,408	-	24,478	2,930	2,497	44,083	Dec.

都市ガス(A)			Town gas(A)			
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費			
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	
平成 29 年	2,055,076	...	2,055,076	340,399	56,605	
30	2,206,752	...	2,206,752	367,046	55,165	
令和 1 年	2,080,758	...	2,080,758	336,494	47,200	
2	1,840,204	...	1,840,204	409,801	46,154	
3	2,081,540	...	2,081,540	396,017	50,883	
令和 1 年度	1,994,651	...	1,994,651	329,833	44,537	
2	1,881,922	...	1,881,922	417,359	51,255	
3 年 1~3月	539,587	...	539,587	109,381	15,647	
4~6	497,846	...	497,846	81,800	11,709	
7~9	522,304	...	522,304	105,795	12,535	
10~12	521,803	...	521,803	99,041	10,992	
3 年 1月	178,368	...	178,368	40,347	5,051	
2	177,990	...	177,990	38,048	4,368	
3	183,229	...	183,229	30,986	6,228	
4	174,135	...	174,135	32,885	3,924	
5	163,110	...	163,110	24,423	3,713	
6	160,601	...	160,601	24,492	4,072	
7	178,105	...	178,105	38,542	3,973	
8	171,805	...	171,805	35,906	4,194	
9	172,394	...	172,394	31,347	4,368	
10	172,410	...	172,410	32,848	3,962	
11	175,532	...	175,532	34,723	3,437	
12	173,861	...	173,861	31,470	3,593	

都市ガス(B)			Town gas(B)			
平成 29 年	2,244,800	...	2,244,768	372,353	61,629	
30	2,407,956	...	2,407,919	401,364	60,045	
令和 1 年	2,270,687	...	2,270,675	368,233	51,304	
2	2,008,932	...	2,008,860	447,797	50,204	
3	2,274,022	...	2,273,979	432,780	55,371	
令和 1 年度	2,176,994	...	2,176,949	360,822	48,378	
2	2,054,900	...	2,054,848	456,015	55,793	
3 年 1~3月	589,332	...	589,327	119,525	17,035	
7~9	543,733	...	543,712	89,311	12,744	
10~12	570,497	...	570,484	115,591	13,640	
3 年 1月	570,460	...	570,456	108,353	11,952	
2	194,763	...	194,760	44,097	5,501	
3	194,470	...	194,466	41,584	4,762	
4	200,099	...	200,101	33,844	6,772	
5	190,176	...	190,169	35,913	4,280	
6	178,228	...	178,218	26,663	4,037	
7	175,329	...	175,325	26,735	4,427	
8	194,557	...	194,548	42,118	4,320	
9	187,654	...	187,653	39,233	4,563	
10	188,286	...	188,283	34,240	4,757	
11	188,439	...	188,438	35,942	4,307	
12	191,909	...	191,906	37,986	3,744	
	190,112	...	190,112	34,425	3,901	

酸素			Oxygen			
平成 29 年	8,020,388	3,527,114	10,889,674	...	-	
30	9,228,975	2,428,416	11,042,190	...	-	
令和 1 年	8,769,919	2,256,041	10,428,373	...	-	
2	6,929,847	1,917,354	8,369,666	...	-	
3	8,359,641	2,424,339	10,201,670	...	-	
令和 1 年度	8,692,350	2,272,825	10,408,020	...	-	
2	6,924,233	1,906,345	8,344,506	...	-	
3 年 1~3月	2,077,215	596,984	2,528,998	...	-	
4~6	2,094,587	595,067	2,537,565	...	-	
7~9	2,106,220	618,444	2,567,149	...	-	
10~12	2,081,619	613,844	2,567,958	...	-	
3 年 1月	703,158	200,989	863,224	...	-	
2	647,430	185,029	781,051	...	-	
3	726,627	210,966	884,723	...	-	
4	668,069	190,647	805,862	...	-	
5	729,301	205,847	884,399	...	-	
6	697,217	198,573	847,304	...	-	
7	701,062	199,142	844,562	...	-	
8	701,219	208,014	858,064	...	-	
9	703,939	211,288	864,523	...	-	
10	708,090	204,574	863,057	...	-	
11	686,608	202,748	861,864	...	-	
12	686,921	206,522	843,037	...	-	

単位 Unit : 1000m³

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
1,658,072	...	1,569,468	88,604	...	...	C.Y. 2017
1,784,541	...	1,693,815	90,726	...	...	C.Y. 2018
1,697,064	...	1,612,292	84,772	...	...	C.Y. 2019
1,384,249	...	1,307,052	77,197	...	...	C.Y. 2020
1,634,640	...	1,550,658	83,982	...	...	C.Y. 2021
1,620,281	...	1,536,001	84,280	...	...	F.Y. 2019
1,413,308	...	1,336,544	76,764	...	...	F.Y. 2020
414,559	...	392,183	22,376	...	...	Q1 2021
404,337	...	383,986	20,351	...	...	Q2
403,974	...	382,557	21,417	...	...	Q3
411,770	...	391,932	19,838	...	...	Q4
132,970	...	124,937	8,033	...	...	Jan. 2021
135,574	...	128,689	6,885	...	...	Feb.
146,015	...	138,557	7,458	...	...	Mar.
137,326	...	130,912	6,414	...	...	Apr.
134,974	...	127,857	7,117	...	...	May
132,037	...	125,217	6,820	...	...	Jun.
135,590	...	128,463	7,127	...	...	Jul.
131,705	...	124,770	6,935	...	...	Aug.
136,679	...	129,324	7,355	...	...	Sep.
135,600	...	128,787	6,813	...	...	Oct.
137,372	...	130,807	6,565	...	...	Nov.
138,798	...	132,338	6,460	...	...	Dec.

単位 Unit : 1000m³

1,810,786	...	1,713,908	96,878	...	...	C.Y. 2017
1,946,510	...	1,847,265	99,245	...	...	C.Y. 2018
1,851,138	...	1,758,392	92,746	...	...	C.Y. 2019
1,510,859	...	1,426,404	84,455	...	...	C.Y. 2020
1,785,828	...	1,693,941	91,887	...	...	C.Y. 2021
1,767,749	...	1,675,537	92,212	...	...	F.Y. 2019
1,543,040	...	1,459,059	83,981	...	...	F.Y. 2020
452,767	...	428,286	24,481	...	...	Q1 2021
441,657	...	419,397	22,260	...	...	Q2
441,253	...	417,815	23,438	...	...	Q3
450,151	...	428,443	21,708	...	...	Q4
145,162	...	136,373	8,789	...	...	Jan. 2021
148,120	...	140,588	7,532	...	...	Feb.
159,485	...	151,325	8,160	...	...	Mar.
149,976	...	142,961	7,015	...	...	Apr.
147,518	...	139,736	7,782	...	...	May
144,163	...	136,700	7,463	...	...	Jun.
148,110	...	140,313	7,797	...	...	Jul.
143,857	...	136,264	7,593	...	...	Aug.
149,286	...	141,238	8,048	...	...	Sep.
148,189	...	140,734	7,455	...	...	Oct.
150,176	...	142,991	7,185	...	...	Nov.
151,786	...	144,718	7,068	...	...	Dec.

単位 Unit : 1000Nm³

10,889,674	-	9,805,412	1,084,262	419,986	1,374	C.Y. 2017
11,042,190	-	9,996,884	1,045,306	399,075	1,442	C.Y. 2018
10,428,373	84	9,453,745	974,544	374,504	1,389	C.Y. 2019
8,369,666	31	7,468,640	900,995	267,825	1,363	C.Y. 2020
10,201,670	-	9,223,770	977,900	380,920	1,360	C.Y. 2021
10,408,020	89	9,437,823	970,108	372,227	1,383	F.Y. 2019
8,344,506	7	7,464,269	880,230	264,625	1,313	F.Y. 2020
2,528,998	-	2,296,468	232,530	85,851	1,313	Q1 2021
2,537,565	-	2,306,362	231,203	96,804	1,331	Q2
2,567,149	-	2,319,498	247,651	98,753	1,372	Q3
2,567,958	-	2,301,442	266,516	99,512	1,360	Q4
863,224	-	780,037	83,187	26,559	1,331	Jan. 2021
781,051	-	712,578	68,473	27,121	1,327	Feb.
884,723	-	803,853	80,870	32,171	1,313	Mar.
805,862	-	732,428	73,434	31,370	1,325	Apr.
884,399	-	802,000	82,399	34,810	1,324	May
847,304	-	771,934	75,370	30,624	1,331	Jun.
844,562	-	767,894	76,668	34,293	1,282	Jul.
858,064	-	772,605	85,459	31,484	1,080	Aug.
864,523	-	778,999	85,524	32,976	1,372	Sep.
863,057	-	783,494	79,563	33,527	1,364	Oct.
861,864	-	756,332	105,532	32,755	1,348	Nov.
843,037	-	761,616	81,421	33,230	1,360	Dec.

廃材			Waste material				
年 月	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費				
			合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation		
平成 29 年	31,122	-	31,122	31,122	-		
30	24,686	-	24,686	24,686	-		
令和 1 年	28,018	-	28,018	28,018	-		
2	30,222	-	30,222	30,222	-		
3	28,819	-	28,819	28,819	-		
令和 1 年度	31,628	-	31,628	31,628	-		
2	29,200	-	29,200	29,200	-		
3 年 1~3月	9,747	-	9,747	9,747	-		
4~6	4,955	-	4,955	4,955	-		
7~9	8,203	-	8,203	8,203	-		
10~12	5,914	-	5,914	5,914	-		
3 年 1月	3,541	-	3,541	3,541	-		
2	3,516	-	3,516	3,516	-		
3	2,690	-	2,690	2,690	-		
4	-	-	-	-	-		
5	1,581	-	1,581	1,581	-		
6	3,374	-	3,374	3,374	-		
7	2,653	-	2,653	2,653	-		
8	2,805	-	2,805	2,805	-		
9	2,745	-	2,745	2,745	-		
10	1,228	-	1,228	1,228	-		
11	2,429	-	2,429	2,429	-		
12	2,257	-	2,257	2,257	-		
廃タイヤ Used tires							
平成 29 年	7,447	-	10,811	-	-		
30	7,164	-	8,409	-	-		
令和 1 年	12,878	-	11,814	-	-		
2	8,915	-	8,598	-	-		
3	3,158	-	5,736	-	-		
令和 1 年度	12,242	-	12,047	-	-		
2	10,055	-	8,471	-	-		
3 年 1~3月	2,919	-	2,450	-	-		
4~6	67	-	2,330	-	-		
7~9	79	-	79	-	-		
10~12	93	-	877	-	-		
3 年 1月	406	-	541	-	-		
2	1,705	-	851	-	-		
3	808	-	1,058	-	-		
4	21	-	837	-	-		
5	11	-	636	-	-		
6	35	-	857	-	-		
7	32	-	32	-	-		
8	20	-	20	-	-		
9	27	-	27	-	-		
10	33	-	597	-	-		
11	24	-	244	-	-		
12	36	-	36	-	-		
廃プラスチック Waste plastic							
平成 29 年	241,476	26,762	196,250	-	-		
30	245,531	28,740	202,795	-	-		
令和 1 年	239,449	27,761	201,722	-	-		
2	252,030	27,984	208,947	-	-		
3	277,777	25,633	224,655	-	-		
令和 1 年度	248,022	26,988	211,010	-	-		
2	251,083	28,287	207,316	-	-		
3 年 1~3月	63,034	6,772	53,457	-	-		
4~6	70,500	6,179	56,422	-	-		
7~9	72,346	6,370	55,966	-	-		
10~12	71,897	6,312	58,810	-	-		
3 年 1月	21,209	2,492	18,564	-	-		
2	18,801	2,112	15,693	-	-		
3	23,024	2,168	19,200	-	-		
4	23,798	2,042	18,702	-	-		
5	23,184	1,998	19,366	-	-		
6	23,518	2,139	18,354	-	-		
7	23,833	1,821	19,276	-	-		
8	24,205	2,232	18,183	-	-		
9	24,308	2,317	18,507	-	-		
10	23,377	2,013	18,989	-	-		
11	23,591	1,826	19,593	-	-		
12	24,929	2,473	20,228	-	-		

単位 Unit : 絶乾(Dry) t

Consumption				払出 Shipments	月末在庫 Inventory	Year, Quarter &Month
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	Q2
-	-	-	-	-	-	Q3
-	-	-	-	-	-	Q4
-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	Feb.
-	-	-	-	-	-	Mar.
-	-	-	-	-	-	Apr.
-	-	-	-	-	-	May
-	-	-	-	-	-	Jun.
-	-	-	-	-	-	Jul.
-	-	-	-	-	-	Aug.
-	-	-	-	-	-	Sep.
-	-	-	-	-	-	Oct.
-	-	-	-	-	-	Nov.
-	-	-	-	-	-	Dec.

単位 Unit : t

10,811	10,811	-	-	-	2,509	C.Y. 2017
8,409	8,409	-	-	-	1,264	C.Y. 2018
11,814	11,814	-	-	-	2,328	C.Y. 2019
8,598	8,598	-	-	-	2,645	C.Y. 2020
5,736	5,736	-	-	-	67	C.Y. 2021
12,047	12,047	-	-	-	1,530	F.Y. 2019
8,471	8,471	-	-	-	3,114	F.Y. 2020
2,450	2,450	-	-	-	3,114	Q1 2021
2,330	2,330	-	-	-	851	Q2
79	79	-	-	-	851	Q3
877	877	-	-	-	67	Q4
541	541	-	-	-	2,510	Jan. 2021
851	851	-	-	-	3,364	Feb.
1,058	1,058	-	-	-	3,114	Mar.
837	837	-	-	-	2,298	Apr.
636	636	-	-	-	1,673	May
857	857	-	-	-	851	Jun.
32	32	-	-	-	851	Jul.
20	20	-	-	-	851	Aug.
27	27	-	-	-	851	Sep.
597	597	-	-	-	287	Oct.
244	244	-	-	-	67	Nov.
36	36	-	-	-	67	Dec.

単位 Unit : t

196,250	132,046	40,316	23,888	36,144	16,894	C.Y. 2017
202,795	135,759	47,338	19,698	35,594	15,655	C.Y. 2018
201,722	137,493	40,727	23,502	36,382	18,587	C.Y. 2019
208,947	147,216	37,389	24,342	39,770	24,292	C.Y. 2020
224,655	157,023	43,375	24,257	48,415	23,895	C.Y. 2021
211,010	144,061	42,883	24,066	36,166	17,675	F.Y. 2019
207,316	145,472	37,569	24,275	41,033	24,097	F.Y. 2020
53,457	37,581	10,181	5,695	10,299	24,097	Q1 2021
56,422	39,227	10,926	6,269	12,288	23,576	Q2
55,966	38,372	11,289	6,305	12,789	24,519	Q3
58,810	41,843	10,979	5,988	13,039	23,895	Q4
18,564	12,981	3,407	2,176	3,698	24,288	Jan. 2021
15,693	10,627	3,131	1,935	2,655	24,663	Feb.
19,200	13,973	3,643	1,584	3,946	24,097	Mar.
18,702	12,933	3,631	2,138	4,153	24,296	Apr.
19,366	13,524	3,770	2,072	3,980	23,313	May
18,354	12,770	3,525	2,059	4,155	23,576	Jun.
19,276	13,352	3,789	2,135	4,175	23,134	Jul.
18,183	12,424	3,682	2,077	4,461	23,624	Aug.
18,507	12,596	3,818	2,093	4,153	24,519	Sep.
18,989	13,308	3,675	2,006	4,063	24,105	Oct.
19,593	14,385	3,273	1,935	4,566	23,689	Nov.
20,228	14,150	4,031	2,047	4,410	23,895	Dec.

⑨ 非鉄金属地金工業
 合計(原油換算)

Non-ferrous metals industry
 Total (Crude petroleum equivalent)

単位 Unit : kl

年 月	受入 Receipts	消費 Consumption						月末在庫 Inventory
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			
					計 Total	直接加熱用 for Direct heating	その他用 for Others	
平成 29 年	534,766	574,948	27,394	2,726	544,828	506,571	38,257	36,405
30	548,103	569,278	26,466	2,443	540,370	503,316	37,054	48,920
令和 1 年	508,743	565,764	28,631	1,781	535,352	498,747	36,605	33,734
2	501,238	534,925	27,124	4,200	503,601	466,129	37,472	35,554
3	511,404	553,487	28,241	936	524,310	488,261	36,048	30,193
令和 1 年度	517,944	557,006	28,569	2,271	526,166	489,123	37,043	30,581
2	503,532	545,447	27,985	4,296	513,166	476,176	36,989	26,778
3 年 1~3月	125,156	143,894	8,085	605	135,204	125,969	9,235	26,778
4~6	137,396	141,526	6,491	6	135,029	125,943	9,085	32,063
7~9	112,131	131,039	6,107	23	124,909	116,525	8,384	21,305
10~12	136,721	137,028	7,559	302	129,168	119,824	9,344	30,193
3 年 1月	39,623	49,404	2,748	502	46,154	42,869	3,285	29,398
2	38,831	45,522	2,817	86	42,620	39,593	3,027	25,980
3	46,702	48,967	2,520	17	46,430	43,507	2,923	26,778
4	46,136	47,523	2,014	-	45,509	42,417	3,092	27,936
5	37,120	46,916	2,241	-	44,675	41,364	3,311	21,807
6	54,140	47,087	2,236	6	44,845	42,163	2,682	32,063
7	38,797	47,736	2,433	21	45,282	42,501	2,781	27,093
8	37,118	44,601	2,472	2	42,128	39,490	2,637	23,515
9	36,215	38,702	1,202	-	37,500	34,534	2,966	21,305
10	39,946	43,815	1,940	22	41,854	38,758	3,095	19,602
11	36,948	46,806	2,798	91	43,917	40,855	3,062	13,732
12	59,827	46,408	2,821	190	43,397	40,210	3,186	30,193

石油系燃料(原油換算)

Oil based fuels(Crude petroleum equivalent)

単位 Unit : kl

平成 29 年	262,979	263,941	9,994	2,726	251,221	227,451	23,770	8,497
30	266,708	265,473	9,087	2,443	253,944	231,091	22,853	9,761
令和 1 年	249,599	250,260	9,629	1,781	238,850	217,814	21,035	9,031
2	242,200	242,726	9,874	4,200	228,652	207,012	21,639	8,684
3	241,953	241,969	9,551	936	231,482	211,037	20,445	8,484
令和 1 年度	251,375	250,592	10,521	2,271	237,801	216,643	21,158	8,690
2	241,274	241,524	8,926	4,296	228,302	207,022	21,280	8,468
3 年 1~3月	62,566	62,645	2,473	605	59,566	54,475	5,091	8,468
4~6	62,372	61,110	2,055	6	59,049	53,818	5,231	9,694
7~9	56,510	58,300	2,077	23	56,200	51,438	4,762	7,898
10~12	60,504	59,913	2,945	302	56,667	51,306	5,360	8,484
3 年 1月	21,047	22,181	720	502	20,958	19,031	1,927	7,384
2	19,765	19,436	857	86	18,493	16,944	1,549	7,737
3	21,754	21,028	896	17	20,115	18,500	1,615	8,468
4	21,993	20,771	691	-	20,079	18,280	1,800	9,688
5	18,221	19,320	616	-	18,705	16,803	1,901	8,565
6	22,158	21,019	748	6	20,265	18,735	1,530	9,694
7	20,192	20,989	673	21	20,295	18,806	1,489	8,894
8	17,739	18,002	767	2	17,233	15,702	1,531	8,626
9	18,579	19,309	638	-	18,671	16,930	1,741	7,898
10	20,953	20,174	818	22	19,335	17,543	1,792	8,670
11	18,359	19,290	928	91	18,272	16,557	1,715	7,741
12	21,192	20,449	1,199	190	19,060	17,207	1,854	8,484

ガソリン

Gasoline

単位 Unit : kl

平成 29 年	54	54	...	...	54	...	54	2
30	56	56	...	...	56	...	56	2
令和 1 年	58	59	...	...	59	...	59	2
2	52	52	...	...	52	...	52	2
3	52	52	...	...	52	...	52	2
令和 1 年度	56	57	...	...	57	...	57	2
2	52	52	...	...	52	...	52	2
3 年 1~3月	11	11	...	...	11	...	11	2
4~6	15	15	...	...	15	...	15	2
7~9	13	13	...	...	13	...	13	2
10~12	13	13	...	...	13	...	13	2
3 年 1月	5	5	...	...	5	...	5	2
2	3	3	...	...	3	...	3	2
3	3	3	...	...	3	...	3	2
4	5	5	...	...	5	...	5	2
5	5	5	...	...	5	...	5	2
6	5	5	...	...	5	...	5	2
7	5	5	...	...	5	...	5	2
8	3	3	...	...	3	...	3	2
9	5	5	...	...	5	...	5	2
10	5	5	...	...	5	...	5	2
11	3	3	...	...	3	...	3	2
12	5	5	...	...	5	...	5	2

灯油		Kerosene					単位 Unit : kl			
受入 Receipts	消費 Consumption						月末在庫 Inventory	Year, Quarter &Month		
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total	直接加熱用 for Direct heating	その他用 for Others				
20,266	20,179	1,028	-	19,151	15,795	3,356	706	C.Y.	2017	
19,452	19,484	791	-	18,693	15,162	3,531	677	C.Y.	2018	
14,953	15,099	639	-	14,460	11,473	2,987	532	C.Y.	2019	
14,038	14,170	938	-	13,232	9,856	3,376	454	C.Y.	2020	
15,656	15,675	677	-	14,998	11,522	3,476	456	C.Y.	2021	
14,456	14,460	760	-	13,700	10,602	3,098	451	F.Y.	2019	
14,387	14,494	858	-	13,636	9,968	3,668	415	F.Y.	2020	
3,601	3,659	85	-	3,574	2,370	1,204	415	Q1	2021	
4,194	4,099	92	-	4,007	3,219	788	510	Q2		
4,034	4,085	372	-	3,713	3,093	620	461	Q3		
3,827	3,832	128	-	3,704	2,840	864	456	Q4		
1,243	1,272	41	-	1,231	809	422	444	Jan.	2021	
1,141	1,213	43	-	1,170	849	321	373	Feb.		
1,217	1,174	1	-	1,173	712	461	415	Mar.		
1,445	1,326	29	-	1,297	1,009	288	534	Apr.		
1,335	1,316	63	-	1,253	1,003	250	554	May		
1,414	1,457	-	-	1,457	1,207	250	510	Jun.		
1,480	1,483	43	-	1,440	1,201	239	508	Jul.		
1,360	1,424	222	-	1,202	1,036	166	444	Aug.		
1,194	1,178	107	-	1,071	856	215	461	Sep.		
1,001	1,031	56	-	975	717	258	430	Oct.		
1,349	1,368	-	-	1,368	1,090	278	411	Nov.		
1,477	1,433	72	-	1,361	1,033	328	456	Dec.		

軽油		Gas oil					単位 Unit : kl			
3,257	3,259	-	-	3,259	57	3,202	20	C.Y.	2017	
3,500	3,506	-	-	3,506	36	3,470	17	C.Y.	2018	
3,825	3,823	-	-	3,823	33	3,790	20	C.Y.	2019	
3,516	3,518	-	-	3,518	40	3,478	19	C.Y.	2020	
3,441	3,426	-	-	3,426	36	3,390	14	C.Y.	2021	
3,880	3,878	-	-	3,878	34	3,844	27	F.Y.	2019	
3,490	3,498	-	-	3,498	41	3,457	22	F.Y.	2020	
947	946	-	-	946	10	936	22	Q1	2021	
821	792	-	-	792	10	782	29	Q2		
863	872	-	-	872	9	863	22	Q3		
810	816	-	-	816	7	809	14	Q4		
306	307	-	-	307	4	303	17	Jan.	2021	
321	315	-	-	315	3	312	23	Feb.		
320	324	-	-	324	3	321	22	Mar.		
276	256	-	-	256	3	253	42	Apr.		
251	254	-	-	254	4	250	16	May		
294	282	-	-	282	3	279	29	Jun.		
279	286	-	-	286	3	283	24	Jul.		
291	289	-	-	289	3	286	26	Aug.		
293	297	-	-	297	3	294	22	Sep.		
273	271	-	-	271	3	268	22	Oct.		
274	278	-	-	278	1	277	19	Nov.		
263	267	-	-	267	3	264	14	Dec.		

重油計		Heavy fuel oil total					単位 Unit : kl			
137,503	138,306	8,795	2,521	126,990	118,945	8,045	5,063	C.Y.	2017	
140,966	140,189	8,123	2,261	129,805	123,900	5,905	5,865	C.Y.	2018	
132,279	132,452	8,788	1,648	122,016	116,196	5,820	5,679	C.Y.	2019	
130,808	130,849	8,759	3,881	118,209	112,320	5,889	5,775	C.Y.	2020	
129,204	129,288	8,725	870	119,693	114,618	5,075	5,611	C.Y.	2021	
134,145	133,157	9,548	2,101	121,508	116,264	5,244	5,656	F.Y.	2019	
130,482	130,369	7,909	3,971	118,489	112,629	5,860	5,824	F.Y.	2020	
35,234	35,110	2,340	561	32,209	30,851	1,358	5,824	Q1	2021	
32,111	31,223	1,925	6	29,292	28,040	1,252	6,703	Q2		
27,893	29,470	1,683	22	27,765	26,812	953	5,127	Q3		
33,966	33,485	2,777	281	30,427	28,915	1,512	5,611	Q4		
11,554	12,316	666	465	11,185	10,754	431	4,908	Jan.	2021	
10,984	10,737	803	80	9,854	9,349	505	5,180	Feb.		
12,696	12,057	871	16	11,170	10,748	422	5,824	Mar.		
11,751	10,716	649	-	10,067	9,603	464	6,856	Apr.		
9,165	10,239	543	-	9,696	9,100	596	5,783	May		
11,195	10,268	733	6	9,529	9,337	192	6,703	Jun.		
9,380	10,024	617	20	9,387	9,251	136	6,060	Jul.		
9,045	9,219	544	2	8,673	8,335	338	5,885	Aug.		
9,468	10,227	522	-	9,705	9,226	479	5,127	Sep.		
11,803	11,205	750	20	10,435	9,952	483	5,722	Oct.		
9,657	10,569	913	84	9,572	9,081	491	4,813	Nov.		
12,506	11,711	1,114	177	10,420	9,882	538	5,611	Dec.		

A重油			Heavy fuel oil A					単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	66,273	66,349	6,950	50	59,349	51,536	7,813	2,214	
30	62,130	61,837	6,326	74	55,437	49,803	5,634	2,530	
令和 1 年	74,255	73,983	6,791	43	67,149	61,600	5,549	2,811	
2	56,909	57,168	6,887	25	50,256	44,428	5,828	2,621	
3	59,947	59,996	6,897	46	53,053	48,114	4,939	2,551	
令和 1 年度	71,009	70,718	7,432	51	63,235	58,186	5,049	2,576	
2	56,844	57,146	6,147	25	50,974	45,229	5,745	2,324	
3 年 1~3月	15,989	16,272	1,861	11	14,400	13,112	1,288	2,324	
4~6	14,091	13,900	1,479	6	12,415	11,179	1,236	2,506	
7~9	11,708	12,012	1,219	5	10,788	9,859	929	2,202	
10~12	18,159	17,812	2,338	24	15,450	13,964	1,486	2,551	
3 年 1月	4,931	5,218	501	6	4,711	4,330	381	2,267	
2	5,215	5,308	675	5	4,628	4,135	493	2,222	
3	5,843	5,746	685	-	5,061	4,647	414	2,324	
4	5,231	5,014	496	-	4,518	4,067	451	2,538	
5	4,123	4,452	402	-	4,050	3,457	593	2,210	
6	4,737	4,434	581	6	3,847	3,655	192	2,506	
7	3,897	4,082	459	4	3,619	3,491	128	2,320	
8	3,539	3,749	405	1	3,343	3,015	328	2,110	
9	4,272	4,181	355	-	3,826	3,353	473	2,202	
10	5,225	5,326	599	1	4,726	4,243	483	2,099	
11	6,254	6,407	781	2	5,624	5,141	483	1,949	
12	6,680	6,079	958	21	5,100	4,580	520	2,551	

B・C重油			Heavy fuel oil B・C					単位 Unit : kl	
平成 29 年	71,230	71,957	1,845	2,471	67,641	67,409	232	2,849	
30	78,836	78,352	1,797	2,187	74,368	74,097	271	3,335	
令和 1 年	58,024	58,469	1,997	1,605	54,867	54,596	271	2,868	
2	73,899	73,681	1,872	3,856	67,953	67,892	61	3,154	
3	69,257	69,292	1,828	824	66,640	66,504	136	3,060	
令和 1 年度	63,136	62,439	2,116	2,050	58,273	58,078	195	3,080	
2	73,638	73,223	1,762	3,946	67,515	67,400	115	3,500	
3 年 1~3月	19,245	18,838	479	550	17,809	17,739	70	3,500	
4~6	18,020	17,323	446	-	16,877	16,861	16	4,197	
7~9	16,185	17,458	464	17	16,977	16,953	24	2,925	
10~12	15,807	15,673	439	257	14,977	14,951	26	3,060	
3 年 1月	6,623	7,098	165	459	6,474	6,424	50	2,641	
2	5,769	5,429	128	75	5,226	5,214	12	2,958	
3	6,853	6,311	186	16	6,109	6,101	8	3,500	
4	6,520	5,702	153	-	5,549	5,536	13	4,318	
5	5,042	5,787	141	-	5,646	5,643	3	3,573	
6	6,458	5,834	152	-	5,682	5,682	-	4,197	
7	5,483	5,942	158	16	5,768	5,760	8	3,740	
8	5,506	5,470	139	1	5,330	5,320	10	3,775	
9	5,196	6,046	167	-	5,879	5,873	6	2,925	
10	6,578	5,879	151	19	5,709	5,709	-	3,623	
11	3,403	4,162	132	82	3,948	3,940	8	2,864	
12	5,826	5,632	156	156	5,320	5,302	18	3,060	

炭化水素油			Hydrocarbon oil					単位 Unit : kl	
平成 29 年	44,357	44,891	-	-	44,891	39,264	5,627	486	
30	47,262	46,375	-	-	46,375	40,206	6,169	1,373	
令和 1 年	42,149	42,426	-	-	42,426	37,480	4,946	1,088	
2	40,254	40,274	-	-	40,274	34,574	5,700	1,065	
3	41,729	41,798	-	-	41,798	36,477	5,321	966	
令和 1 年度	42,899	42,953	-	-	42,953	37,473	5,480	1,125	
2	39,838	39,842	-	-	39,842	34,719	5,123	1,115	
3 年 1~3月	10,204	10,151	-	-	10,151	9,394	757	1,115	
4~6	10,566	10,692	-	-	10,692	9,117	1,575	969	
7~9	10,253	10,157	-	-	10,157	8,609	1,548	1,063	
10~12	10,706	10,798	-	-	10,798	9,357	1,441	966	
3 年 1月	3,546	3,620	-	-	3,620	3,142	478	989	
2	3,247	3,188	-	-	3,188	3,023	165	1,048	
3	3,411	3,343	-	-	3,343	3,229	114	1,115	
4	3,766	3,931	-	-	3,931	3,427	504	950	
5	3,109	3,177	-	-	3,177	2,614	563	862	
6	3,691	3,584	-	-	3,584	3,076	508	969	
7	3,711	3,741	-	-	3,741	3,189	552	938	
8	3,069	3,020	-	-	3,020	2,526	494	986	
9	3,473	3,396	-	-	3,396	2,894	502	1,063	
10	3,531	3,810	-	-	3,810	3,256	554	782	
11	3,738	3,600	-	-	3,600	3,191	409	919	
12	3,437	3,388	-	-	3,388	2,910	478	966	

液化石油ガス		Liquefied petroleum gas					単位 Unit : t	
受入 Receipts	消費 Consumption						月末在庫 Inventory	Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
				計 Total	直接加熱用 for Direct heating	その他用 for Others		
6,256	6,238	-	-	6,238	5,120	1,118	75	C.Y. 2017
6,963	6,969	-	-	6,969	5,683	1,286	68	C.Y. 2018
6,605	6,598	-	-	6,598	5,354	1,244	69	C.Y. 2019
6,539	6,541	-	-	6,541	5,348	1,193	67	C.Y. 2020
6,281	6,264	4	-	6,260	4,975	1,285	71	C.Y. 2021
6,673	6,667	-	-	6,667	5,416	1,251	65	F.Y. 2019
6,371	6,353	4	-	6,349	5,118	1,231	78	F.Y. 2020
1,592	1,579	4	-	1,575	1,209	366	78	Q1 2021
1,656	1,665	-	-	1,665	1,327	338	66	Q2
1,644	1,629	-	-	1,629	1,339	290	74	Q3
1,389	1,391	-	-	1,391	1,100	291	71	Q4
561	584	-	-	584	464	120	43	Jan. 2021
471	458	-	-	458	338	120	56	Feb.
560	537	4	-	533	407	126	78	Mar.
559	559	-	-	559	435	124	78	Apr.
541	551	-	-	551	454	97	67	May
556	555	-	-	555	438	117	66	Jun.
561	560	-	-	560	459	101	63	Jul.
554	536	-	-	536	442	94	79	Aug.
529	533	-	-	533	438	95	74	Sep.
525	534	-	-	534	438	96	65	Oct.
433	441	-	-	441	341	100	56	Nov.
431	416	-	-	416	321	95	71	Dec.

オイルコークス		Petroleum coke					単位 Unit : t	
5,641	5,597	-	-	5,597	5,597	-	816	C.Y. 2017
1,112	1,876	-	-	1,876	1,876	-	52	C.Y. 2018
3,973	3,981	-	-	3,981	3,981	-	44	C.Y. 2019
7,732	7,713	-	-	7,713	7,713	-	63	C.Y. 2020
3,778	3,790	-	-	3,790	3,790	-	51	C.Y. 2021
4,282	4,252	-	-	4,252	4,252	-	57	F.Y. 2019
7,790	7,807	-	-	7,807	7,807	-	40	F.Y. 2020
516	539	-	-	539	539	-	40	Q1 2021
2,026	2,021	-	-	2,021	2,021	-	45	Q2
948	970	-	-	970	970	-	23	Q3
288	260	-	-	260	260	-	51	Q4
178	206	-	-	206	206	-	35	Jan. 2021
235	219	-	-	219	219	-	51	Feb.
103	114	-	-	114	114	-	40	Mar.
688	669	-	-	669	669	-	59	Apr.
344	340	-	-	340	340	-	63	May
994	1,012	-	-	1,012	1,012	-	45	Jun.
755	740	-	-	740	740	-	60	Jul.
66	71	-	-	71	71	-	55	Aug.
127	159	-	-	159	159	-	23	Sep.
85	63	-	-	63	63	-	45	Oct.
81	87	-	-	87	87	-	39	Nov.
122	110	-	-	110	110	-	51	Dec.

再生油(石油由来)		Reproduction oil(Oil origin)					単位 Unit : kl	
34,528	34,200	-	-	34,200	32,548	1,652	1,184	C.Y. 2017
34,181	34,096	-	-	34,096	32,439	1,657	1,269	C.Y. 2018
35,064	35,083	-	-	35,083	33,571	1,512	1,211	C.Y. 2019
28,659	29,009	-	-	29,009	27,746	1,263	848	C.Y. 2020
32,908	32,779	-	-	32,779	31,317	1,462	996	C.Y. 2021
33,909	34,136	-	-	34,136	32,656	1,480	914	F.Y. 2019
29,015	29,291	-	-	29,291	27,995	1,296	625	F.Y. 2020
8,009	8,232	-	-	8,232	7,846	386	625	Q1 2021
8,819	8,495	-	-	8,495	8,127	368	967	Q2
8,716	8,863	-	-	8,863	8,494	369	821	Q3
7,364	7,189	-	-	7,189	6,850	339	996	Q4
2,806	2,973	-	-	2,973	2,837	136	681	Jan. 2021
2,628	2,603	-	-	2,603	2,504	99	705	Feb.
2,575	2,656	-	-	2,656	2,505	151	625	Mar.
2,740	2,602	-	-	2,602	2,480	122	763	Apr.
2,802	2,705	-	-	2,705	2,600	105	878	May
3,277	3,188	-	-	3,188	3,047	141	967	Jun.
3,337	3,423	-	-	3,423	3,285	138	881	Jul.
2,616	2,714	-	-	2,714	2,600	114	783	Aug.
2,763	2,726	-	-	2,726	2,609	117	821	Sep.
2,866	2,449	-	-	2,449	2,354	95	1,239	Oct.
2,271	2,331	-	-	2,331	2,204	127	1,179	Nov.
2,227	2,409	-	-	2,409	2,292	117	996	Dec.

非石油系燃料(原油換算)			Non-oil based fuels (Crude petroleum equivalent)					単位 Unit : kl	
年 月	受入 Receipts	消費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	271,788	311,007	17,400	-	293,607	279,121	14,487	27,908	
30	281,395	303,805	17,379	-	286,426	272,225	14,202	39,158	
令和 1 年	259,144	315,504	19,002	-	296,502	280,933	15,569	24,702	
2	259,037	292,199	17,250	-	274,949	259,117	15,832	26,870	
3	269,452	311,518	18,690	-	292,828	277,224	15,604	21,709	
令和 1 年度	266,569	306,414	18,049	-	288,365	272,480	15,885	21,891	
2	262,258	303,922	19,059	-	284,863	269,154	15,710	18,310	
3 年 1~3月	62,590	81,249	5,611	-	75,638	71,494	4,143	18,310	
4~6	75,023	80,415	4,436	-	75,980	72,126	3,854	22,370	
7~9	55,621	72,739	4,029	-	68,710	65,087	3,623	13,407	
10~12	76,217	77,115	4,614	-	72,501	68,518	3,983	21,709	
3 年 1月	18,576	27,223	2,028	-	25,196	23,838	1,357	22,014	
2	19,066	26,086	1,959	-	24,127	22,649	1,478	18,243	
3	24,948	27,939	1,624	-	26,315	25,007	1,308	18,310	
4	24,142	26,753	1,323	-	25,430	24,137	1,293	18,249	
5	18,899	27,595	1,625	-	25,970	24,561	1,410	13,242	
6	31,982	26,067	1,488	-	24,579	23,428	1,152	22,370	
7	18,605	26,746	1,760	-	24,986	23,695	1,291	18,199	
8	19,379	26,599	1,705	-	24,894	23,788	1,106	14,888	
9	17,637	19,394	564	-	18,829	17,604	1,225	13,407	
10	18,992	23,641	1,122	-	22,519	21,216	1,303	10,932	
11	18,589	27,516	1,871	-	25,645	24,299	1,347	5,991	
12	38,635	25,958	1,622	-	24,336	23,003	1,333	21,709	

石炭			Coal					単位 Unit : t	
平成 29 年	57,283	63,464	-	-	63,464	63,464	-	26,326	
30	63,302	51,500	-	-	51,500	51,500	-	38,128	
令和 1 年	29,798	50,645	-	-	50,645	50,645	-	17,280	
2	62,725	54,412	-	-	54,412	54,412	-	25,593	
3	52,051	53,032	-	-	53,032	53,032	-	24,078	
令和 1 年度	44,330	51,859	-	-	51,859	51,859	-	19,994	
2	50,139	54,658	-	-	54,658	54,658	-	15,475	
3 年 1~3月	4,268	14,386	-	-	14,386	14,386	-	15,475	
4~6	18,425	12,955	-	-	12,955	12,955	-	20,946	
7~9	2,217	14,087	-	-	14,087	14,087	-	8,542	
10~12	27,141	11,604	-	-	11,604	11,604	-	24,078	
3 年 1月	125	5,434	-	-	5,434	5,434	-	20,284	
2	2,945	4,311	-	-	4,311	4,311	-	18,918	
3	1,198	4,641	-	-	4,641	4,641	-	15,475	
4	2,073	4,304	-	-	4,304	4,304	-	13,244	
5	707	4,629	-	-	4,629	4,629	-	9,322	
6	15,645	4,022	-	-	4,022	4,022	-	20,946	
7	774	4,491	-	-	4,491	4,491	-	17,229	
8	736	4,534	-	-	4,534	4,534	-	13,430	
9	707	5,062	-	-	5,062	5,062	-	8,542	
10	762	3,632	-	-	3,632	3,632	-	5,672	
11	177	3,495	-	-	3,495	3,495	-	2,353	
12	26,202	4,477	-	-	4,477	4,477	-	24,078	

石炭コークス(ピッチコークスを含む)			Coal coke(including pitch coke)					単位 Unit : t	
平成 29 年	168,812	169,374	-	-	169,374	154,686	14,688	13,595	
30	172,447	167,464	-	-	167,464	153,695	13,769	18,104	
令和 1 年	183,399	184,223	-	-	184,223	168,370	15,853	17,279	
2	166,511	170,988	-	-	170,988	154,924	16,064	12,760	
3	173,292	177,451	-	-	177,451	161,638	15,813	7,132	
令和 1 年度	183,684	178,788	-	-	178,788	162,701	16,087	11,212	
2	176,253	176,118	-	-	176,118	160,191	15,927	10,286	
3 年 1~3月	42,327	43,781	-	-	43,781	39,604	4,177	10,286	
4~6	48,914	47,959	-	-	47,959	44,089	3,870	10,795	
7~9	39,484	40,270	-	-	40,270	36,703	3,567	10,007	
10~12	42,567	45,441	-	-	45,441	41,242	4,199	7,132	
3 年 1月	13,096	14,917	-	-	14,917	13,513	1,404	10,939	
2	10,285	13,770	-	-	13,770	12,303	1,467	7,119	
3	18,946	15,094	-	-	15,094	13,788	1,306	10,286	
4	17,868	15,479	-	-	15,479	14,188	1,291	12,229	
5	14,065	17,222	-	-	17,222	15,767	1,455	9,072	
6	16,981	15,258	-	-	15,258	14,134	1,124	10,795	
7	12,396	14,597	-	-	14,597	13,283	1,314	8,601	
8	15,240	16,262	-	-	16,262	15,233	1,029	7,570	
9	11,848	9,411	-	-	9,411	8,187	1,224	10,007	
10	13,262	13,999	-	-	13,999	12,586	1,413	9,270	
11	12,727	16,351	-	-	16,351	14,893	1,458	5,645	
12	16,578	15,091	-	-	15,091	13,763	1,328	7,132	

高炉ガス		Blast furnace gas					単位 Unit : 1000m ³			
受入 Receipts	消費 Consumption						月末在庫 Inventory	Year, Quarter &Month		
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total	直接加熱用 for Direct heating	その他用 for Others				
-	393,800	160,004	-	233,796	233,796	-	...	C.Y.	2017	
-	386,178	157,795	-	228,383	228,383	-	...	C.Y.	2018	
-	475,632	183,891	-	291,741	291,741	-	...	C.Y.	2019	
-	400,589	144,077	-	256,512	256,512	-	...	C.Y.	2020	
-	414,459	147,942	-	266,517	266,517	-	...	C.Y.	2021	
-	437,762	172,067	-	265,695	265,695	-	...	F.Y.	2019	
-	433,544	150,836	-	282,708	282,708	-	...	F.Y.	2020	
-	116,301	40,311	-	75,990	75,990	-	...	Q1	2021	
-	106,060	36,986	-	69,074	69,074	-	...	Q2		
-	92,336	33,935	-	58,401	58,401	-	...	Q3		
-	99,762	36,710	-	63,052	63,052	-	...	Q4		
-	39,662	14,155	-	25,507	25,507	-	...	Jan.	2021	
-	37,931	13,400	-	24,531	24,531	-	...	Feb.		
-	38,708	12,756	-	25,952	25,952	-	...	Mar.		
-	31,256	9,808	-	21,448	21,448	-	...	Apr.		
-	40,000	14,428	-	25,572	25,572	-	...	May		
-	34,804	12,750	-	22,054	22,054	-	...	Jun.		
-	42,997	15,801	-	27,196	27,196	-	...	Jul.		
-	42,459	15,515	-	26,944	26,944	-	...	Aug.		
-	6,880	2,619	-	4,261	4,261	-	...	Sep.		
-	23,556	8,283	-	15,273	15,273	-	...	Oct.		
-	43,229	16,247	-	26,982	26,982	-	...	Nov.		
-	32,977	12,180	-	20,797	20,797	-	...	Dec.		

天然ガス		Natural gas					単位 Unit : 1000m ³			
4,726	4,726	-	-	4,726	4,726	-	...	C.Y.	2017	
4,253	4,253	-	-	4,253	4,253	-	...	C.Y.	2018	
4,364	4,364	-	-	4,364	4,364	-	...	C.Y.	2019	
3,754	3,754	-	-	3,754	3,754	-	...	C.Y.	2020	
1,419	1,419	-	-	1,419	1,419	-	...	C.Y.	2021	
4,496	4,496	-	-	4,496	4,496	-	...	F.Y.	2019	
3,710	3,710	-	-	3,710	3,710	-	...	F.Y.	2020	
1,015	1,015	-	-	1,015	1,015	-	...	Q1	2021	
404	404	-	-	404	404	-	...	Q2		
-	-	-	-	-	-	-	...	Q3		
-	-	-	-	-	-	-	...	Q4		
225	225	-	-	225	225	-	...	Jan.	2021	
386	386	-	-	386	386	-	...	Feb.		
404	404	-	-	404	404	-	...	Mar.		
404	404	-	-	404	404	-	...	Apr.		
-	-	-	-	-	-	-	...	May		
-	-	-	-	-	-	-	...	Jun.		
-	-	-	-	-	-	-	...	Jul.		
-	-	-	-	-	-	-	...	Aug.		
-	-	-	-	-	-	-	...	Sep.		
-	-	-	-	-	-	-	...	Oct.		
-	-	-	-	-	-	-	...	Nov.		
-	-	-	-	-	-	-	...	Dec.		

液化天然ガス		Liquefied natural gas					単位 Unit : t			
23,249	23,240	1,603	-	21,637	19,278	2,359	69	C.Y.	2017	
24,726	24,729	1,707	-	23,022	20,370	2,652	60	C.Y.	2018	
22,885	22,874	1,322	-	21,552	19,053	2,499	71	C.Y.	2019	
20,759	20,748	1,503	-	19,245	16,673	2,572	128	C.Y.	2020	
27,345	27,385	1,540	-	25,845	23,189	2,656	89	C.Y.	2021	
22,039	22,036	1,342	-	20,694	18,097	2,597	68	F.Y.	2019	
22,593	22,590	1,497	-	21,093	18,505	2,588	117	F.Y.	2020	
6,934	6,946	339	-	6,607	5,890	717	117	Q1	2021	
6,841	6,850	396	-	6,454	5,779	675	109	Q2		
6,678	6,682	379	-	6,303	5,631	672	104	Q3		
6,892	6,907	426	-	6,481	5,889	592	89	Q4		
2,211	2,242	129	-	2,113	1,897	216	97	Jan.	2021	
2,282	2,274	97	-	2,177	1,909	268	106	Feb.		
2,441	2,430	113	-	2,317	2,084	233	117	Mar.		
2,432	2,441	144	-	2,297	2,067	230	108	Apr.		
2,215	2,212	111	-	2,101	1,875	226	111	May		
2,194	2,197	141	-	2,056	1,837	219	109	Jun.		
2,221	2,234	112	-	2,122	1,905	217	95	Jul.		
2,209	2,192	114	-	2,078	1,841	237	112	Aug.		
2,248	2,256	153	-	2,103	1,885	218	104	Sep.		
2,366	2,357	156	-	2,201	2,028	173	113	Oct.		
2,191	2,181	94	-	2,087	1,907	180	123	Nov.		
2,335	2,369	176	-	2,193	1,954	239	89	Dec.		

都市ガス(A)			Town gas(A)					単位 Unit : 1000m ³	
年 月	受入 Receipts	消費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	60,250	60,250	893	-	59,357	59,357	-	...	
30	61,363	61,363	917	-	60,446	60,446	-	...	
令和 1 年	56,205	56,205	805	-	55,400	55,400	-	...	
2	51,153	51,153	2,067	-	49,086	49,086	-	...	
3	57,354	57,354	2,430	-	54,924	54,924	-	...	
令和 1 年度	54,964	54,964	855	-	54,109	54,109	-	...	
2	52,922	52,922	2,954	-	49,968	49,968	-	...	
3 年 1~3月	15,183	15,183	1,194	-	13,989	13,989	-	...	
4~6	14,174	14,174	395	-	13,779	13,779	-	...	
7~9	13,509	13,509	309	-	13,200	13,200	-	...	
10~12	14,488	14,488	532	-	13,956	13,956	-	...	
3 年 1月	4,714	4,714	455	-	4,259	4,259	-	...	
2	5,079	5,079	495	-	4,584	4,584	-	...	
3	5,390	5,390	244	-	5,146	5,146	-	...	
4	4,894	4,894	182	-	4,712	4,712	-	...	
5	4,249	4,249	117	-	4,132	4,132	-	...	
6	5,031	5,031	96	-	4,935	4,935	-	...	
7	5,089	5,089	123	-	4,966	4,966	-	...	
8	3,890	3,890	96	-	3,794	3,794	-	...	
9	4,530	4,530	90	-	4,440	4,440	-	...	
10	4,606	4,606	117	-	4,489	4,489	-	...	
11	5,192	5,192	203	-	4,989	4,989	-	...	
12	4,690	4,690	212	-	4,478	4,478	-	...	

都市ガス(B)			Town gas(B)					単位 Unit : 1000m ³	
平成 29 年	63,454	63,455	979	-	62,476	62,476	-	...	
30	64,675	64,676	1,004	-	63,672	63,672	-	...	
令和 1 年	59,167	59,163	879	-	58,284	58,284	-	...	
2	54,028	54,027	2,292	-	51,735	51,735	-	...	
3	60,528	60,527	2,699	-	57,828	57,828	-	...	
令和 1 年度	57,852	57,848	936	-	56,912	56,912	-	...	
2	55,950	55,949	3,285	-	52,664	52,664	-	...	
3 年 1~3月	16,081	16,081	1,331	-	14,750	14,750	-	...	
4~6	14,906	14,906	437	-	14,469	14,469	-	...	
7~9	14,218	14,218	342	-	13,876	13,876	-	...	
10~12	15,323	15,322	589	-	14,733	14,733	-	...	
3 年 1月	4,996	4,996	508	-	4,488	4,488	-	...	
2	5,389	5,389	552	-	4,837	4,837	-	...	
3	5,696	5,696	271	-	5,425	5,425	-	...	
4	5,154	5,154	202	-	4,952	4,952	-	...	
5	4,474	4,474	129	-	4,345	4,345	-	...	
6	5,278	5,278	106	-	5,172	5,172	-	...	
7	5,325	5,325	136	-	5,189	5,189	-	...	
8	4,087	4,087	106	-	3,981	3,981	-	...	
9	4,806	4,806	100	-	4,706	4,706	-	...	
10	4,893	4,893	129	-	4,764	4,764	-	...	
11	5,495	5,495	225	-	5,270	5,270	-	...	
12	4,935	4,934	235	-	4,699	4,699	-	...	

廃タイヤ			Used tires					単位 Unit : t	
平成 29 年	-	-	-	-	-	-	-	-	
30	-	-	-	-	-	-	-	-	
令和 1 年	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	
令和 1 年度	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3 年 1~3月	-	-	-	-	-	-	-	-	
4~6	-	-	-	-	-	-	-	-	
7~9	-	-	-	-	-	-	-	-	
10~12	-	-	-	-	-	-	-	-	
3 年 1月	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	

廃プラスチック

Waste plastic

単位 Unit : t

受入 Receipts	消費 Consumption						月末在庫 Inventory	Year, Quarter &Month
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
				計 Total	直接加熱用 for Direct heating	その他用 for Others		
-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	Dec.

RPF

Refuse Paper & Plastic Fuel

単位 Unit : t

-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	Dec.

C.Y. 2017
 C.Y. 2018
 C.Y. 2019
 C.Y. 2020
 C.Y. 2021
 F.Y. 2019
 F.Y. 2020
 Q1 2021
 Q2
 Q3
 Q4
 Jan. 2021
 Feb.
 Mar.
 Apr.
 May
 Jun.
 Jul.
 Aug.
 Sep.
 Oct.
 Nov.
 Dec.

⑩ 機械工業 Machinery industry

合計(原油換算)		Total(Crude petroleum equivalent)							単位 Unit : kl
年 月	受入 Receipts	消費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用した for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	2,272,419	2,272,474	382,967	877,292	1,012,215	593,158	419,057	21,995	
30	2,206,884	2,207,920	360,392	851,601	995,927	579,293	416,634	20,499	
令和 1 年	2,188,258	2,186,310	327,914	844,469	1,013,927	562,738	451,189	21,939	
2	1,986,570	1,987,858	310,324	799,379	878,155	490,173	387,981	20,000	
3	1,943,683	1,942,773	306,266	760,378	876,129	503,455	372,674	20,755	
令和 1 年度	2,165,775	2,164,857	319,245	840,344	1,005,268	554,963	450,305	21,915	
2	1,984,714	1,985,925	310,025	808,592	867,308	487,803	379,505	19,928	
3 年 1~3月	599,445	599,366	111,941	216,443	270,983	149,733	121,250	19,928	
4~6	429,792	430,158	59,068	180,923	190,167	113,650	76,517	19,626	
7~9	437,250	435,696	53,688	188,710	193,299	106,508	86,790	21,137	
10~12	477,197	477,553	81,569	174,303	221,681	133,564	88,117	20,755	
3 年 1月	207,837	207,353	41,944	72,374	93,035	48,695	44,340	20,347	
2	195,656	196,186	38,118	67,439	90,629	50,493	40,137	19,790	
3	195,953	195,827	31,879	76,630	87,318	50,545	36,773	19,928	
4	155,555	155,701	23,548	62,208	69,946	43,175	26,771	19,823	
5	121,948	122,222	17,578	52,213	52,432	31,116	21,316	19,578	
6	152,289	152,234	17,942	66,503	67,789	39,359	28,430	19,626	
7	158,594	159,126	18,558	69,534	71,034	39,913	31,120	19,179	
8	140,105	138,054	16,989	59,851	61,214	32,509	28,706	21,177	
9	138,550	138,516	18,141	59,324	61,051	34,087	26,964	21,137	
10	134,759	134,747	19,621	54,578	60,549	37,110	23,438	21,121	
11	163,371	163,680	26,734	59,188	77,758	48,680	29,078	20,808	
12	179,067	179,126	35,215	60,537	83,374	47,773	35,601	20,755	

石油系燃料(原油換算)		Oil based fuels(Crude petroleum equivalent)				単位 Unit : kl			
平成 29 年	339,332	339,587	61,735	10,146	267,706	86,488	181,218	21,432	
30	313,757	314,838	59,842	6,799	248,197	80,644	167,553	19,883	
令和 1 年	300,429	298,469	56,582	6,448	235,439	77,055	158,384	21,374	
2	263,273	264,554	51,993	5,222	207,339	67,056	140,284	19,459	
3	258,933	258,240	52,653	4,148	201,439	69,297	132,143	20,034	
令和 1 年度	291,764	290,917	54,362	6,163	230,392	75,806	154,586	21,286	
2	262,507	263,789	52,526	6,050	205,213	66,955	138,258	19,257	
3 年 1~3月	83,252	83,330	18,989	2,166	62,176	20,628	41,548	19,257	
4~6	56,454	56,858	10,552	593	45,712	15,275	30,438	18,917	
7~9	55,642	54,140	9,724	853	43,562	14,516	29,046	20,385	
10~12	63,586	63,912	13,387	536	49,989	18,878	31,111	20,034	
3 年 1月	31,215	30,755	7,447	1,445	21,864	7,270	14,594	19,793	
2	26,650	27,190	6,328	414	20,448	6,733	13,715	19,229	
3	25,387	25,385	5,215	307	19,864	6,625	13,239	19,257	
4	20,936	21,123	4,060	179	16,884	5,796	11,088	19,090	
5	15,841	16,098	3,262	169	12,666	4,257	8,409	18,869	
6	19,676	19,637	3,230	244	16,163	5,222	10,940	18,917	
7	20,028	20,550	3,466	323	16,762	5,500	11,261	18,467	
8	18,629	16,604	3,292	361	12,950	4,237	8,713	20,457	
9	16,985	16,986	2,966	169	13,851	4,779	9,072	20,385	
10	17,564	17,539	3,243	194	14,101	5,741	8,360	20,389	
11	21,493	21,731	4,420	147	17,164	6,427	10,736	20,147	
12	24,529	24,643	5,725	194	18,724	6,709	12,014	20,034	

ガソリン		Gasoline				単位 Unit : kl			
平成 29 年	59,111	58,975	...	...	58,975	...	58,975	1,846
30	57,027	57,200	1	...	57,199	...	57,199	1,636	
令和 1 年	56,437	56,287	...	...	56,287	...	56,287	1,761
2	47,031	47,107	...	2	47,105	...	47,105	1,772	
3	44,425	44,553	...	...	44,553	1	44,552	1,690
令和 1 年度	55,274	55,214	...	...	55,214	...	55,214	1,811
2	45,766	45,935	...	2	45,933	...	45,933	1,751	
3 年 1~3月	12,128	12,174	...	...	12,174	...	12,174	1,751
4~6	11,146	11,192	...	...	11,192	...	11,192	1,698
7~9	9,730	9,766	...	...	9,766	...	9,766	1,684
10~12	11,421	11,421	...	...	11,421	1	11,420	1,690
3 年 1月	3,684	3,751	...	...	3,751	...	3,751	1,717
2	3,810	3,771	...	...	3,771	...	3,771	1,765
3	4,634	4,652	...	...	4,652	...	4,652	1,751
4	4,083	4,092	...	...	4,092	...	4,092	1,732
5	2,771	2,782	...	...	2,782	...	2,782	1,723
6	4,292	4,318	...	...	4,318	...	4,318	1,698
7	4,312	4,348	...	...	4,348	...	4,348	1,675
8	2,892	2,831	...	...	2,831	...	2,831	1,741
9	2,526	2,587	...	...	2,587	...	2,587	1,684
10	3,147	3,131	...	...	3,131	...	3,131	1,703
11	4,265	4,281	...	...	4,281	...	4,281	1,689
12	4,009	4,009	...	...	4,009	1	4,008	1,690

灯油		Kerosene					単位 Unit : kl		
受入 Receipts	消費 Consumption				月末在庫 Inventory	Year, Quarter &Month			
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation					
				計 Total				直接加熱用 for Direct heating	その他用 for Others
50,268	50,137	9,907	5	40,225	22,221	18,004	5,686	C.Y. 2017	
44,352	44,439	9,705	9	34,725	19,864	14,861	5,338	C.Y. 2018	
42,544	42,615	9,026	21	33,568	18,625	14,943	5,177	C.Y. 2019	
33,332	33,107	8,177	-	24,930	15,250	9,680	5,150	C.Y. 2020	
34,803	34,954	8,836	-	26,118	16,590	9,528	5,033	C.Y. 2021	
39,685	39,740	8,446	21	31,273	18,141	13,132	5,042	F.Y. 2019	
33,736	33,564	8,115	-	25,449	15,813	9,636	4,933	F.Y. 2020	
10,947	11,155	2,779	-	8,376	5,083	3,293	4,933	Q1 2021	
7,485	7,422	1,809	-	5,613	3,636	1,977	5,018	Q2	
7,667	7,677	1,709	-	5,968	3,790	2,178	5,021	Q3	
8,704	8,700	2,539	-	6,161	4,081	2,080	5,033	Q4	
4,440	4,453	1,066	-	3,387	2,146	1,241	5,135	Jan. 2021	
3,368	3,540	914	-	2,626	1,506	1,120	4,946	Feb.	
3,139	3,162	799	-	2,363	1,431	932	4,933	Mar.	
2,681	2,616	648	-	1,968	1,316	652	4,999	Apr.	
2,294	2,256	544	-	1,712	1,078	634	5,049	May	
2,510	2,550	617	-	1,933	1,242	691	5,018	Jun.	
2,666	2,683	576	-	2,107	1,343	764	5,008	Jul.	
2,385	2,330	534	-	1,796	1,143	653	5,065	Aug.	
2,616	2,664	599	-	2,065	1,304	761	5,021	Sep.	
2,439	2,486	659	-	1,827	1,271	556	4,977	Oct.	
2,706	2,744	797	-	1,947	1,338	609	4,941	Nov.	
3,559	3,470	1,083	-	2,387	1,472	915	5,033	Dec.	

軽油		Gas oil					単位 Unit : kl		
34,987	34,637	-	433	34,204	109	34,095	1,558	C.Y. 2017	
30,420	30,319	4	404	29,911	101	29,810	1,449	C.Y. 2018	
29,551	29,150	-	410	28,740	79	28,661	1,579	C.Y. 2019	
25,660	25,554	-	342	25,212	67	25,145	1,406	C.Y. 2020	
27,061	26,859	-	367	26,492	1,484	25,008	1,451	C.Y. 2021	
29,464	29,251	-	400	28,851	75	28,776	1,461	F.Y. 2019	
25,292	25,057	-	353	24,704	67	24,637	1,449	F.Y. 2020	
6,964	6,913	-	102	6,811	18	6,793	1,449	Q1 2021	
6,956	6,921	-	87	6,834	17	6,817	1,457	Q2	
6,667	6,548	-	93	6,455	18	6,437	1,527	Q3	
6,474	6,477	-	85	6,392	1,431	4,961	1,451	Q4	
2,001	2,011	-	34	1,977	4	1,973	1,390	Jan. 2021	
2,465	2,477	-	31	2,446	6	2,440	1,377	Feb.	
2,498	2,425	-	37	2,388	8	2,380	1,449	Mar.	
2,417	2,436	-	29	2,407	6	2,401	1,436	Apr.	
1,846	1,914	-	23	1,891	5	1,886	1,355	May	
2,693	2,571	-	35	2,536	6	2,530	1,457	Jun.	
2,357	2,419	-	37	2,382	6	2,376	1,374	Jul.	
2,073	2,023	-	28	1,995	6	1,989	1,414	Aug.	
2,237	2,106	-	28	2,078	6	2,072	1,527	Sep.	
1,999	2,041	-	25	2,016	462	1,554	1,439	Oct.	
2,399	2,373	-	27	2,346	534	1,812	1,446	Nov.	
2,076	2,063	-	33	2,030	435	1,595	1,451	Dec.	

重油計		Heavy fuel oil total					単位 Unit : kl		
81,340	82,343	28,014	9,620	44,709	8,069	36,640	10,916	C.Y. 2017	
71,582	72,505	26,015	6,332	40,158	8,608	31,550	10,050	C.Y. 2018	
66,563	65,188	23,936	5,967	35,285	8,771	26,514	11,333	C.Y. 2019	
58,111	59,655	20,682	4,837	34,136	6,873	27,263	9,613	C.Y. 2020	
53,414	52,535	18,166	3,768	30,601	6,438	24,163	10,515	C.Y. 2021	
62,647	62,220	22,414	5,695	34,111	8,570	25,541	11,426	F.Y. 2019	
58,357	60,017	20,571	5,656	33,790	6,519	27,271	9,668	F.Y. 2020	
21,558	21,512	7,437	2,055	12,020	1,971	10,049	9,668	Q1 2021	
9,355	9,631	3,317	505	5,809	1,378	4,431	9,422	Q2	
11,333	9,926	3,603	758	5,565	1,452	4,113	10,791	Q3	
11,168	11,466	3,809	450	7,207	1,637	5,570	10,515	Q4	
10,239	9,640	3,262	1,404	4,974	652	4,322	10,224	Jan. 2021	
6,204	6,721	2,423	382	3,916	676	3,240	9,703	Feb.	
5,115	5,151	1,752	269	3,130	643	2,487	9,668	Mar.	
3,610	3,743	1,380	150	2,213	433	1,780	9,546	Apr.	
2,640	2,779	1,006	146	1,627	377	1,250	9,425	May	
3,105	3,109	931	209	1,969	568	1,401	9,422	Jun.	
3,376	3,820	1,378	285	2,157	588	1,569	9,041	Jul.	
4,986	3,099	1,339	332	1,428	322	1,106	10,882	Aug.	
2,971	3,007	886	141	1,980	542	1,438	10,791	Sep.	
2,908	2,827	938	169	1,720	555	1,165	10,889	Oct.	
3,448	3,566	1,088	120	2,358	583	1,775	10,786	Nov.	
4,812	5,073	1,783	161	3,129	499	2,630	10,515	Dec.	

A重油		Heavy fuel oil A						単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	80,623	81,621	28,014	9,620	43,987	8,020	35,967	10,776	
30	71,012	71,937	26,015	6,332	39,590	8,602	30,988	9,904	
令和 1 年	66,033	64,658	23,936	5,967	34,755	8,771	25,984	11,187	
2	58,022	59,557	20,682	4,837	34,038	6,863	27,175	9,477	
3	53,406	52,528	18,166	3,768	30,594	6,431	24,163	10,378	
令和 1 年度	62,117	61,690	22,414	5,695	33,581	8,570	25,011	11,281	
2	58,348	59,999	20,571	5,656	33,772	6,509	27,263	9,532	
3 年 1~3月	21,558	21,512	7,437	2,055	12,020	1,971	10,049	9,532	
4~6	9,347	9,624	3,317	505	5,802	1,371	4,431	9,285	
7~9	11,333	9,926	3,603	758	5,565	1,452	4,113	10,654	
10~12	11,168	11,466	3,809	450	7,207	1,637	5,570	10,378	
3 年 1月	10,239	9,640	3,262	1,404	4,974	652	4,322	10,088	
2	6,204	6,721	2,423	382	3,916	676	3,240	9,567	
3	5,115	5,151	1,752	269	3,130	643	2,487	9,532	
4	3,610	3,743	1,380	150	2,213	433	1,780	9,410	
5	2,634	2,779	1,006	146	1,627	377	1,250	9,283	
6	3,103	3,102	931	209	1,962	561	1,401	9,285	
7	3,376	3,820	1,378	285	2,157	588	1,569	8,904	
8	4,986	3,099	1,339	332	1,428	322	1,106	10,745	
9	2,971	3,007	886	141	1,980	542	1,438	10,654	
10	2,908	2,827	938	169	1,720	555	1,165	10,752	
11	3,448	3,566	1,088	120	2,358	583	1,775	10,649	
12	4,812	5,073	1,783	161	3,129	499	2,630	10,378	

B・C重油		Heavy fuel oil B・C						単位 Unit : kl	
平成 29 年	717	722	-	-	722	49	673	140	
30	570	568	-	-	568	6	562	146	
令和 1 年	530	530	-	-	530	-	530	146	
2	89	98	-	-	98	10	88	136	
3	8	7	-	-	7	7	-	137	
令和 1 年度	530	530	-	-	530	-	530	145	
2	9	18	-	-	18	10	8	136	
3 年 1~3月	-	-	-	-	-	-	-	136	
4~6	8	7	-	-	7	7	-	137	
7~9	-	-	-	-	-	-	-	137	
10~12	-	-	-	-	-	-	-	137	
3 年 1月	-	-	-	-	-	-	-	136	
2	-	-	-	-	-	-	-	136	
3	-	-	-	-	-	-	-	136	
4	-	-	-	-	-	-	-	136	
5	6	-	-	-	-	-	-	142	
6	2	7	-	-	7	7	-	137	
7	-	-	-	-	-	-	-	137	
8	-	-	-	-	-	-	-	137	
9	-	-	-	-	-	-	-	137	
10	-	-	-	-	-	-	-	137	
11	-	-	-	-	-	-	-	137	
12	-	-	-	-	-	-	-	137	

炭化水素油		Hydrocarbon oil						単位 Unit : kl	
平成 29 年	12	12	-	-	12	-	12	-	
30	10	10	-	-	10	-	10	-	
令和 1 年	12	12	-	-	12	-	12	-	
2	12	12	-	-	12	-	12	-	
3	9	8	-	-	8	-	8	-	
令和 1 年度	12	12	-	-	12	-	12	-	
2	11	11	-	-	11	-	11	-	
3 年 1~3月	2	2	-	-	2	-	2	-	
4~6	2	2	-	-	2	-	2	-	
7~9	2	1	-	-	1	-	1	-	
10~12	3	3	-	-	3	-	3	-	
3 年 1月	-	-	-	-	-	-	-	-	
2	1	1	-	-	1	-	1	-	
3	1	1	-	-	1	-	1	-	
4	1	1	-	-	1	-	1	-	
5	-	-	-	-	-	-	-	-	
6	1	1	-	-	1	-	1	-	
7	-	-	-	-	-	-	-	-	
8	1	-	-	-	-	-	-	-	
9	1	1	-	-	1	-	1	-	
10	1	1	-	-	1	-	1	-	
11	1	1	-	-	1	-	1	-	
12	1	1	-	-	1	-	1	-	

液化石油ガス		Liquefied petroleum gas					単位 Unit : t			
受入 Receipts	消費 Consumption						月末在庫 Inventory	Year, Quarter &Month		
	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation						
				計 Total	直接加熱用 for Direct heating	その他用 for Others				
93,312	93,181	18,311	-	74,870	43,540	31,330	1,396	C.Y.	2017	
90,432	90,440	18,550	-	71,890	40,384	31,506	1,358	C.Y.	2018	
86,495	86,409	18,161	-	68,248	38,436	29,812	1,441	C.Y.	2019	
80,668	80,645	17,783	-	62,862	34,726	28,136	1,447	C.Y.	2020	
83,012	83,115	20,122	-	62,993	35,309	27,684	1,409	C.Y.	2021	
85,830	85,673	18,060	-	67,613	37,992	29,621	1,453	F.Y.	2019	
81,467	81,350	18,452	-	62,898	34,685	28,213	1,499	F.Y.	2020	
26,215	26,167	6,867	-	19,300	10,682	8,618	1,499	Q1	2021	
18,177	18,316	4,256	-	14,060	8,066	5,994	1,395	Q2		
17,046	17,037	3,467	-	13,570	7,310	6,260	1,421	Q3		
21,574	21,595	5,532	-	16,063	9,251	6,812	1,409	Q4		
8,947	8,995	2,442	-	6,553	3,539	3,014	1,397	Jan.	2021	
8,903	8,810	2,340	-	6,470	3,574	2,896	1,486	Feb.		
8,365	8,362	2,085	-	6,277	3,569	2,708	1,499	Mar.		
6,858	6,926	1,592	-	5,334	3,177	2,157	1,440	Apr.		
5,266	5,325	1,342	-	3,983	2,206	1,777	1,394	May		
6,053	6,065	1,322	-	4,743	2,683	2,060	1,395	Jun.		
6,243	6,218	1,187	-	5,031	2,809	2,222	1,429	Jul.		
5,278	5,298	1,114	-	4,184	2,185	1,999	1,421	Aug.		
5,525	5,521	1,166	-	4,355	2,316	2,039	1,421	Sep.		
5,916	5,904	1,296	-	4,608	2,727	1,881	1,434	Oct.		
7,289	7,362	1,988	-	5,374	3,132	2,242	1,357	Nov.		
8,369	8,329	2,248	-	6,081	3,392	2,689	1,409	Dec.		

石油系炭化水素ガス		Hydrocarbon gas					単位 Unit : 1000m ³			
-	-	-	-	-	-	-	-	C.Y.	2017	
-	-	-	-	-	-	-	-	C.Y.	2018	
-	-	-	-	-	-	-	-	C.Y.	2019	
-	-	-	-	-	-	-	-	C.Y.	2020	
-	-	-	-	-	-	-	-	C.Y.	2021	
-	-	-	-	-	-	-	-	F.Y.	2019	
-	-	-	-	-	-	-	-	F.Y.	2020	
-	-	-	-	-	-	-	-	Q1	2021	
-	-	-	-	-	-	-	-	Q2		
-	-	-	-	-	-	-	-	Q3		
-	-	-	-	-	-	-	-	Q4		
-	-	-	-	-	-	-	-	Jan.	2021	
-	-	-	-	-	-	-	-	Feb.		
-	-	-	-	-	-	-	-	Mar.		
-	-	-	-	-	-	-	-	Apr.		
-	-	-	-	-	-	-	-	May		
-	-	-	-	-	-	-	-	Jun.		
-	-	-	-	-	-	-	-	Jul.		
-	-	-	-	-	-	-	-	Aug.		
-	-	-	-	-	-	-	-	Sep.		
-	-	-	-	-	-	-	-	Oct.		
-	-	-	-	-	-	-	-	Nov.		
-	-	-	-	-	-	-	-	Dec.		

再生油(石油由来)		Reproduction oil(Oil origin)					単位 Unit : kl			
-	-	-	-	-	-	-	-	C.Y.	2017	
-	-	-	-	-	-	-	-	C.Y.	2018	
-	-	-	-	-	-	-	-	C.Y.	2019	
-	-	-	-	-	-	-	-	C.Y.	2020	
-	-	-	-	-	-	-	-	C.Y.	2021	
-	-	-	-	-	-	-	-	F.Y.	2019	
-	-	-	-	-	-	-	-	F.Y.	2020	
-	-	-	-	-	-	-	-	Q1	2021	
-	-	-	-	-	-	-	-	Q2		
-	-	-	-	-	-	-	-	Q3		
-	-	-	-	-	-	-	-	Q4		
-	-	-	-	-	-	-	-	Jan.	2021	
-	-	-	-	-	-	-	-	Feb.		
-	-	-	-	-	-	-	-	Mar.		
-	-	-	-	-	-	-	-	Apr.		
-	-	-	-	-	-	-	-	May		
-	-	-	-	-	-	-	-	Jun.		
-	-	-	-	-	-	-	-	Jul.		
-	-	-	-	-	-	-	-	Aug.		
-	-	-	-	-	-	-	-	Sep.		
-	-	-	-	-	-	-	-	Oct.		
-	-	-	-	-	-	-	-	Nov.		
-	-	-	-	-	-	-	-	Dec.		

非石油系燃料(原油換算)			Non-oil based fuels (Crude petroleum equivalent)					単位 Unit : kl	
年 月	受入 Receipts	消 費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	1,933,087	1,932,888	321,233	867,146	744,509	506,670	237,839	563	
30 年	1,893,127	1,893,082	300,550	844,802	747,730	498,649	249,081	616	
令和 1 年	1,887,828	1,887,841	271,332	838,021	778,488	485,684	292,804	565	
2 年	1,723,297	1,723,303	258,331	794,157	670,815	423,118	247,697	541	
3 年	1,684,750	1,684,533	253,613	756,231	674,690	434,158	240,531	721	
令和 1 年度	1,874,010	1,873,940	264,883	834,181	774,876	479,157	295,719	629	
2 年	1,722,207	1,722,136	257,499	802,542	662,095	420,848	241,247	672	
3 年 1~3月	516,193	516,035	92,952	214,277	208,807	129,105	79,702	672	
4~6	373,338	373,300	48,515	180,330	144,455	98,375	46,080	710	
7~9	381,608	381,557	43,964	187,857	149,736	91,992	57,744	752	
10~12	413,611	413,641	68,182	173,767	171,692	114,686	57,006	721	
3 年 1月	176,621	176,597	34,498	70,929	71,171	41,424	29,746	554	
2	169,006	168,996	31,790	67,025	70,181	43,760	26,421	562	
3	170,566	170,442	26,664	76,323	67,454	43,921	23,534	672	
4	134,619	134,578	19,488	62,028	53,062	37,379	15,683	732	
5	106,106	106,125	14,316	52,043	39,766	26,859	12,906	708	
6	132,613	132,597	14,712	66,258	51,627	34,137	17,490	710	
7	138,566	138,576	15,092	69,212	54,272	34,413	19,859	712	
8	121,477	121,451	13,696	59,490	48,264	28,272	19,992	720	
9	121,565	121,530	15,175	59,155	47,200	29,307	17,893	752	
10	117,195	117,208	16,378	54,383	46,448	31,369	15,078	732	
11	141,878	141,950	22,314	59,041	60,594	42,253	18,341	661	
12	154,538	154,483	29,490	60,343	64,650	41,064	23,587	721	

石炭			Coal					単位 Unit : t	
平成 29 年	-	-	-	-	-	-	-	-	
30 年	-	-	-	-	-	-	-	-	
令和 1 年	-	-	-	-	-	-	-	-	
2 年	31	31	-	-	31	31	-	-	
3 年	-	-	-	-	-	-	-	-	
令和 1 年度	-	-	-	-	-	-	-	-	
2 年	31	31	-	-	31	31	-	-	
3 年 1~3月	-	-	-	-	-	-	-	-	
4~6	-	-	-	-	-	-	-	-	
7~9	-	-	-	-	-	-	-	-	
10~12	-	-	-	-	-	-	-	-	
3 年 1月	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	

石炭コークス			Coal coke					単位 Unit : t	
平成 29 年	29,646	29,648	-	-	29,648	29,154	494	82	
30 年	18,964	18,952	-	-	18,952	18,633	319	94	
令和 1 年	12,865	12,880	-	-	12,880	12,880	-	79	
2 年	9,950	9,980	-	-	9,980	9,980	-	49	
3 年	9,476	9,429	-	-	9,429	9,429	-	96	
令和 1 年度	12,251	12,274	-	-	12,274	12,274	-	80	
2 年	9,488	9,524	-	-	9,524	9,524	-	44	
3 年 1~3月	2,016	2,021	-	-	2,021	2,021	-	44	
4~6	2,997	3,009	-	-	3,009	3,009	-	32	
7~9	1,733	1,699	-	-	1,699	1,699	-	66	
10~12	2,730	2,700	-	-	2,700	2,700	-	96	
3 年 1月	541	541	-	-	541	541	-	49	
2	683	688	-	-	688	688	-	44	
3	792	792	-	-	792	792	-	44	
4	1,652	1,656	-	-	1,656	1,656	-	40	
5	553	555	-	-	555	555	-	38	
6	792	798	-	-	798	798	-	32	
7	723	708	-	-	708	708	-	47	
8	411	374	-	-	374	374	-	84	
9	599	617	-	-	617	617	-	66	
10	444	435	-	-	435	435	-	75	
11	1,570	1,579	-	-	1,579	1,579	-	66	
12	716	686	-	-	686	686	-	96	

コークス炉ガス		Coke oven gas					単位 Unit : 1000m ³		月末在庫 Inventory	Year, Quarter &Month	
受入 Receipts	合計 Total	消費 Consumption					計 Total	直接加熱用 for Direct heating			その他用 for Others
		ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation							
-	-	-	-	-	-	-	-	-	...	C.Y. 2017	
-	-	-	-	-	-	-	-	-	...	C.Y. 2018	
-	-	-	-	-	-	-	-	-	...	C.Y. 2019	
-	-	-	-	-	-	-	-	-	...	C.Y. 2020	
-	-	-	-	-	-	-	-	-	...	C.Y. 2021	
-	-	-	-	-	-	-	-	-	...	F.Y. 2019	
-	-	-	-	-	-	-	-	-	...	F.Y. 2020	
-	-	-	-	-	-	-	-	-	...	Q1 2021	
-	-	-	-	-	-	-	-	-	...	Q2	
-	-	-	-	-	-	-	-	-	...	Q3	
-	-	-	-	-	-	-	-	-	...	Q4	
-	-	-	-	-	-	-	-	-	...	Jan. 2021	
-	-	-	-	-	-	-	-	-	...	Feb.	
-	-	-	-	-	-	-	-	-	...	Mar.	
-	-	-	-	-	-	-	-	-	...	Apr.	
-	-	-	-	-	-	-	-	-	...	May	
-	-	-	-	-	-	-	-	-	...	Jun.	
-	-	-	-	-	-	-	-	-	...	Jul.	
-	-	-	-	-	-	-	-	-	...	Aug.	
-	-	-	-	-	-	-	-	-	...	Sep.	
-	-	-	-	-	-	-	-	-	...	Oct.	
-	-	-	-	-	-	-	-	-	...	Nov.	
-	-	-	-	-	-	-	-	-	...	Dec.	

天然ガス		Natural gas					単位 Unit : 1000m ³		月末在庫 Inventory	Year, Quarter &Month	
受入 Receipts	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			計 Total	直接加熱用 for Direct heating			その他用 for Others
		21,309	21,309	6,401	8,404	6,504						5,653	851	...	...	C.Y. 2017
31,831	31,831	7,642	13,424	10,765	9,860	905	...	...	C.Y. 2018
31,540	31,538	6,463	13,950	11,125	10,293	832	...	...	C.Y. 2019
38,508	38,509	6,550	21,549	10,410	9,737	673	...	...	C.Y. 2020
40,819	40,817	6,226	25,068	9,523	8,935	588	...	...	C.Y. 2021
31,402	31,401	6,544	13,869	10,988	10,194	794	...	...	F.Y. 2019
41,784	41,785	6,915	24,344	10,526	9,859	667	...	...	F.Y. 2020
13,596	13,596	2,681	6,629	4,286	3,927	359	...	...	Q1 2021
8,287	8,287	1,003	5,782	1,502	1,461	41	...	...	Q2
9,616	9,614	1,050	7,113	1,451	1,363	88	...	...	Q3
9,320	9,320	1,492	5,544	2,284	2,184	100	...	...	Q4
4,554	4,554	988	2,107	1,459	1,318	141	...	...	Jan. 2021
4,683	4,683	975	2,140	1,568	1,424	144	...	...	Feb.
4,359	4,359	718	2,382	1,259	1,185	74	...	...	Mar.
3,436	3,436	469	2,141	826	812	14	...	...	Apr.
2,418	2,418	250	1,845	323	316	7	...	...	May
2,433	2,433	284	1,796	353	333	20	...	...	Jun.
3,657	3,657	345	2,787	525	497	28	...	...	Jul.
3,166	3,164	332	2,396	436	409	27	...	...	Aug.
2,793	2,793	373	1,930	490	457	33	...	...	Sep.
2,466	2,466	419	1,539	508	484	24	...	...	Oct.
2,963	2,963	483	1,793	687	671	16	...	...	Nov.
3,891	3,891	590	2,212	1,089	1,029	60	...	...	Dec.

液化天然ガス		Liquefied natural gas					単位 Unit : t		月末在庫 Inventory	Year, Quarter &Month	
受入 Receipts	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			計 Total	直接加熱用 for Direct heating			その他用 for Others
		116,633	116,491	17,266	55,222	44,003						35,168	8,835	...	355	C.Y. 2017
109,788	109,763	13,362	52,381	44,020	34,693	9,327	...	386	C.Y. 2018		
111,221	111,224	12,492	52,912	45,820	37,450	8,370	...	358	C.Y. 2019		
104,971	104,959	11,774	51,472	41,713	34,084	7,629	...	357	C.Y. 2020		
98,678	98,552	9,772	49,230	39,550	32,910	6,640	...	459	C.Y. 2021		
111,388	111,327	12,555	53,080	45,692	37,404	8,288	...	403	F.Y. 2019		
103,353	103,283	11,052	51,987	40,244	33,323	6,921	...	452	F.Y. 2020		
27,573	27,459	3,447	13,752	10,260	8,658	1,602	...	452	Q1 2021		
23,834	23,801	2,320	11,995	9,486	7,886	1,600	...	485	Q2		
23,104	23,088	1,759	11,613	9,716	7,849	1,867	...	497	Q3		
24,167	24,204	2,246	11,870	10,088	8,517	1,571	...	459	Q4		
9,087	9,070	1,291	4,254	3,525	2,853	672	...	366	Jan. 2021		
8,999	8,990	1,156	4,450	3,384	2,878	506	...	374	Feb.		
9,487	9,399	1,000	5,048	3,351	2,927	424	...	452	Mar.		
8,195	8,164	777	4,222	3,165	2,629	536	...	497	Apr.		
7,167	7,179	876	3,306	2,997	2,524	473	...	481	May		
8,472	8,458	667	4,467	3,324	2,733	591	...	485	Jun.		
8,232	8,247	567	4,377	3,303	2,688	615	...	479	Jul.		
7,301	7,304	585	3,545	3,174	2,477	697	...	465	Aug.		
7,571	7,537	607	3,691	3,239	2,684	555	...	497	Sep.		
7,253	7,267	580	3,715	2,972	2,543	429	...	478	Oct.		
8,553	8,599	739	4,208	3,652	3,079	573	...	433	Nov.		
8,361	8,338	927	3,947	3,464	2,895	569	...	459	Dec.		

都市ガス(A)			Town gas(A)					単位 Unit : 1000m ³	
年 月	受入 Receipts	消費 Consumption						月末在庫 Inventory	
		合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and co-generation				
					計 Total	直接加熱用 for Direct heating	その他用 for Others		
平成 29 年	1,486,418	1,486,418	251,959	671,742	562,717	369,975	192,742	...	
30	1,454,729	1,454,729	236,883	649,595	568,251	366,403	201,848	...	
令和 1 年	1,450,982	1,450,982	213,322	642,118	595,542	355,279	240,263	...	
2	1,313,034	1,313,034	202,147	599,847	511,040	307,913	203,127	...	
3	1,286,309	1,286,309	200,835	567,082	518,392	319,936	198,456	...	
令和 1 年度	1,438,772	1,438,772	207,148	638,755	592,869	350,145	242,724	...	
2	1,311,985	1,311,985	201,992	604,157	505,836	307,174	198,662	...	
3 年 1~3月	397,201	397,201	73,379	161,386	162,436	95,972	66,464	...	
4~6	282,703	282,703	38,063	135,123	109,517	71,914	37,603	...	
7~9	290,160	290,160	34,802	140,750	114,608	67,287	47,321	...	
10~12	316,245	316,245	54,591	129,823	131,831	84,763	47,068	...	
3 年 1月	136,602	136,602	27,218	53,864	55,520	30,747	24,773	...	
2	129,846	129,846	25,076	50,227	54,543	32,510	22,033	...	
3	130,753	130,753	21,085	57,295	52,373	32,715	19,658	...	
4	101,644	101,644	15,416	46,198	40,030	27,219	12,811	...	
5	79,994	79,994	11,041	39,032	29,921	19,421	10,500	...	
6	101,065	101,065	11,606	49,893	39,566	25,274	14,292	...	
7	105,409	105,409	12,015	51,620	41,774	25,461	16,313	...	
8	92,431	92,431	10,790	44,618	37,023	20,702	16,321	...	
9	92,320	92,320	11,997	44,512	35,811	21,124	14,687	...	
10	89,420	89,420	13,002	40,806	35,612	23,186	12,426	...	
11	107,954	107,954	17,879	43,971	46,104	31,048	15,056	...	
12	118,871	118,871	23,710	45,046	50,115	30,529	19,586	...	

都市ガス(B)			Town gas(B)					単位 Unit : 1000m ³	
平成 29 年	1,621,503	1,621,502	272,762	734,254	614,485	403,526	210,959	...	
30	1,589,475	1,589,474	257,161	711,676	620,637	399,678	220,960	...	
令和 1 年	1,587,252	1,587,251	232,052	704,029	651,170	387,464	263,706	...	
2	1,435,322	1,435,321	220,672	656,596	558,052	335,667	222,385	...	
3	1,406,144	1,406,143	219,360	620,629	566,154	349,114	217,040	...	
令和 1 年度	1,574,604	1,574,603	225,810	700,276	648,517	381,918	266,599	...	
2	1,433,592	1,433,591	220,518	660,978	552,095	334,831	217,263	...	
3 年 1~3月	433,872	433,872	80,164	176,607	177,101	104,556	72,544	...	
4~6	309,133	309,132	41,558	147,857	119,718	78,501	41,217	...	
7~9	317,408	317,408	37,970	154,076	125,362	73,566	51,796	...	
10~12	345,731	345,731	59,669	142,090	143,973	92,490	51,483	...	
3 年 1月	149,123	149,123	29,743	58,947	60,433	33,464	26,969	...	
2	141,835	141,835	27,387	54,975	59,473	35,416	24,056	...	
3	142,914	142,913	23,034	62,685	57,195	35,676	21,519	...	
4	111,133	111,133	16,831	50,573	43,729	29,689	14,040	...	
5	87,481	87,481	12,055	42,696	32,729	21,213	11,516	...	
6	110,519	110,519	12,672	54,587	43,260	27,598	15,661	...	
7	115,227	115,227	13,099	56,463	45,664	27,812	17,852	...	
8	101,102	101,102	11,775	48,821	40,507	22,638	17,869	...	
9	101,079	101,079	13,096	48,792	39,191	23,116	16,075	...	
10	97,836	97,836	14,216	44,672	38,948	25,346	13,602	...	
11	118,038	118,038	19,528	48,139	50,371	33,880	16,491	...	
12	129,858	129,858	25,924	49,279	54,654	33,265	21,390	...	

廃タイヤ			Used tires					単位 Unit : t	
平成 29 年	-	-	-	-	-	-	-	-	
30	-	-	-	-	-	-	-	-	
令和 1 年	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	
令和 1 年度	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3 年 1~3月	-	-	-	-	-	-	-	-	
4~6	-	-	-	-	-	-	-	-	
7~9	-	-	-	-	-	-	-	-	
10~12	-	-	-	-	-	-	-	-	
3 年 1月	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	

廃プラスチック Waste plastic		Consumption					月末在庫	Year, Quarter &Month
受入 Receipts	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			Inventory	
				計 Total	直接加熱用 for Direct heating	その他用 for Others		
-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	Dec.

RPF Refuse Paper & Plastic Fuel							月末在庫	Year, Quarter &Month
受入 Receipts	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Co-generation	ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and co-generation			Inventory	
				計 Total	直接加熱用 for Direct heating	その他用 for Others		
-	-	-	-	-	-	-	-	C.Y. 2017
-	-	-	-	-	-	-	-	C.Y. 2018
-	-	-	-	-	-	-	-	C.Y. 2019
-	-	-	-	-	-	-	-	C.Y. 2020
-	-	-	-	-	-	-	-	C.Y. 2021
-	-	-	-	-	-	-	-	F.Y. 2019
-	-	-	-	-	-	-	-	F.Y. 2020
-	-	-	-	-	-	-	-	Q1 2021
-	-	-	-	-	-	-	-	Q2
-	-	-	-	-	-	-	-	Q3
-	-	-	-	-	-	-	-	Q4
-	-	-	-	-	-	-	-	Jan. 2021
-	-	-	-	-	-	-	-	Feb.
-	-	-	-	-	-	-	-	Mar.
-	-	-	-	-	-	-	-	Apr.
-	-	-	-	-	-	-	-	May
-	-	-	-	-	-	-	-	Jun.
-	-	-	-	-	-	-	-	Jul.
-	-	-	-	-	-	-	-	Aug.
-	-	-	-	-	-	-	-	Sep.
-	-	-	-	-	-	-	-	Oct.
-	-	-	-	-	-	-	-	Nov.
-	-	-	-	-	-	-	-	Dec.

C.Y. 2017
C.Y. 2018
C.Y. 2019
C.Y. 2020
C.Y. 2021
F.Y. 2019
F.Y. 2020
Q1 2021
Q2
Q3
Q4
Jan. 2021
Feb.
Mar.
Apr.
May
Jun.
Jul.
Aug.
Sep.
Oct.
Nov.
Dec.

(3) 電力受払 (令和3年) Electricity input and output (C.Y.2021)

種別	購入電力及び自家発電 Purchase and				
	計 Total	購入電力(買電) Purchase	自家 Generation by own		
			計 Total	火力 Thermal	コージェネレーション Co-generation
合計(注1)	204,045,057	103,880,434	100,164,623	73,851,322	16,363,234
事業所重複分補正量	13,076,502	2,692,418	10,384,084	9,562,772	395,599
パルプ・紙・板紙工業	27,551,999	4,535,229	23,016,770	20,958,339	1,736,971
化学工業	41,315,406	17,234,248	24,081,158	18,604,505	3,703,007
化学繊維工業	6,349,419	2,282,606	4,066,813	2,706,727	1,351,649
石油製品工業	16,340,535	2,370,521	13,970,014	7,626,796	6,130,601
窯業・土石製品工業	18,329,136	4,234,321	14,094,815	12,661,221	237,508
ガラス製品工業	1,226,168	1,076,462	149,706	-	92,520
鉄鋼業(注2)	72,832,214	46,159,094	26,673,120	20,809,859	561,350
非鉄金属地金工業	5,708,074	4,231,497	1,476,577	31,050	4,078
機械工業	27,468,608	24,448,874	3,019,734	15,597	2,941,149

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

業種別電力受払の推移(事業所ベース) Trends by industry (establishment basis)

① 調査対象業種合計			Surveyed industry total				
年 月	購入電力及び自家発電 Purchase and						
	計 Total	購入電力(買電) Purchase	自家 Generation by own				
			計 Total	火力 Thermal	コージェネレーション Co-generation		
平成	29 年	216,277,351	107,835,238	108,442,113	78,469,162	18,791,428	
	30	215,761,324	109,597,196	106,164,128	78,124,760	17,487,941	
令和	1 年	212,254,697	106,719,199	105,535,498	77,489,401	17,731,311	
	2	194,917,365	97,344,957	97,572,408	73,120,147	14,913,859	
	3	204,045,057	103,880,434	100,164,623	73,851,322	16,363,234	
令和	1 年度	209,941,566	105,689,336	104,252,230	77,135,127	16,709,520	
	2	194,275,764	96,772,407	97,503,357	72,688,715	15,485,724	
3	年 1~3月	50,942,105	24,902,243	26,039,862	19,365,049	4,418,032	
	4~6	48,805,804	25,885,076	22,920,728	16,647,485	3,748,020	
	7~9	52,981,054	26,615,972	26,365,082	19,553,253	4,141,938	
	10~12	51,316,094	26,477,143	24,838,951	18,285,535	4,055,244	
3	年 1月	17,646,468	8,356,397	9,290,071	6,932,447	1,592,155	
	2	16,019,210	7,932,257	8,086,953	6,075,172	1,342,867	
	3	17,276,427	8,613,589	8,662,838	6,357,430	1,483,010	
	4	16,168,533	8,516,539	7,651,994	5,572,705	1,237,211	
	5	16,185,641	8,565,892	7,619,749	5,615,211	1,170,979	
	6	16,451,630	8,802,645	7,648,985	5,459,569	1,339,830	
	7	17,765,763	8,989,595	8,776,168	6,474,566	1,404,318	
	8	17,895,672	8,842,826	9,052,846	6,717,959	1,443,639	
	9	17,319,619	8,783,551	8,536,068	6,360,728	1,293,981	
	10	16,993,944	8,982,871	8,011,073	5,776,894	1,351,946	
	11	16,597,462	8,747,826	7,849,636	5,884,528	1,187,091	
	12	17,724,688	8,746,446	8,978,242	6,624,113	1,516,207	

単位 Unit: 1000kWh

Generation by own power station		消 費 Consumption	販売電力(売電) Shipments	Industry
発 電 power station				
水力 Hydraulic	その他 Others			
2,194,746	7,755,321	177,149,551	26,895,506	Total
396,599	29,114	11,806,551	1,269,951	Duplication adjustment
260,418	61,042	24,270,244	3,281,755	Pulp, paper, paperboard industry
772,472	1,001,174	35,717,083	5,598,323	Chemical industry
0	8,437	5,498,934	850,485	Chemical fibers industry
...	212,617	10,385,432	5,955,103	Petroleum products industry
396,599	799,487	15,912,078	2,417,058	Ceramics, clay and stone products industry
57,095	91	1,225,566	602	Glass products industry
1,037	5,300,874	63,076,197	9,756,017	Iron and steel industry
	(炉頂圧) 2,827,813			
1,103,724	337,725	5,446,384	261,690	Non-ferrous metals industry
...	62,988	27,424,184	44,424	Machinery industry

- Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".
2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: 1000kWh

Generation by own power station		消 費 Consumption	販売電力(売電) Shipments	Year, Quarter &Month	
発 電 power station					
水力 Hydraulic	その他 Others				
2,314,451	8,867,072	186,834,533	29,442,818	C.Y.	2017
2,289,822	8,261,605	186,357,933	29,403,391	C.Y.	2018
2,301,808	8,012,978	182,996,287	29,258,410	C.Y.	2019
2,283,161	7,255,241	168,603,903	26,313,462	C.Y.	2020
2,194,746	7,755,321	177,149,551	26,895,506	C.Y.	2021
2,387,036	8,020,547	181,331,668	28,609,898	F.Y.	2019
2,201,178	7,127,740	167,739,695	26,536,069	F.Y.	2020
429,295	1,827,486	43,487,057	7,455,048	Q1	2021
643,081	1,882,142	43,119,096	5,686,708	Q2	
612,750	2,057,141	45,855,506	7,125,548	Q3	
509,620	1,988,552	44,687,892	6,628,202	Q4	
121,919	643,550	14,847,000	2,799,468	Jan.	2021
120,881	548,033	13,694,803	2,324,407	Feb.	
186,495	635,903	14,945,254	2,331,173	Mar.	
212,159	629,919	14,367,136	1,801,397	Apr.	
216,222	617,337	14,347,522	1,838,119	May	
214,700	634,886	14,404,438	2,047,192	Jun.	
214,193	683,091	15,407,484	2,358,279	Jul.	
198,960	692,288	15,415,601	2,480,071	Aug.	
199,597	681,762	15,032,421	2,287,198	Sep.	
188,534	693,699	14,996,747	1,997,197	Oct.	
148,698	629,319	14,562,932	2,034,530	Nov.	
172,388	665,534	15,128,213	2,596,475	Dec.	

② パルプ・紙・板紙工業			Pulp, paper, paperboard industry			
年 月			購 入 電 力 及 び 自 家 発 電			
			計	購入電力(買電)	自 家 発 電	
					計	火 力
			Total	Purchase	Total	Thermal
平成	29	年	29,986,195	5,165,159	24,821,036	22,685,902
	30		30,259,448	5,285,905	24,973,543	22,866,532
令和	1	年	29,175,029	4,897,946	24,277,083	22,212,440
	2		26,882,599	4,277,457	22,605,142	20,642,537
	3		27,551,999	4,535,229	23,016,770	20,958,339
令和	1	年度	28,753,757	4,791,003	23,962,754	21,917,419
	2		26,624,569	4,207,774	22,416,795	20,436,546
	3	年				
		1~3月	6,939,234	1,047,759	5,891,475	5,372,045
		4~6	6,720,080	1,189,948	5,530,132	5,038,102
		7~9	7,011,284	1,087,821	5,923,463	5,424,364
		10~12	6,881,401	1,209,701	5,671,700	5,123,828
	3	年				
		1月	2,331,220	343,923	1,987,297	1,815,607
		2	2,175,135	345,184	1,829,951	1,667,815
		3	2,432,879	358,652	2,074,227	1,888,623
		4	2,290,422	411,286	1,879,136	1,705,117
		5	2,243,417	399,363	1,844,054	1,695,750
		6	2,186,241	379,299	1,806,942	1,637,235
		7	2,346,836	352,501	1,994,335	1,820,199
		8	2,335,421	355,531	1,979,890	1,824,670
		9	2,329,027	379,789	1,949,238	1,779,495
		10	2,340,118	408,677	1,931,441	1,748,129
		11	2,254,696	405,770	1,848,926	1,666,361
		12	2,286,587	395,254	1,891,333	1,709,338
③ 化学工業			Chemical industry			
平成	29	年	42,137,660	18,199,221	23,938,439	18,240,909
	30		41,546,012	18,085,672	23,460,340	18,184,883
令和	1	年	41,743,137	17,749,156	23,993,981	18,573,420
	2		39,692,490	16,601,798	23,090,692	18,161,989
	3		41,315,406	17,234,248	24,081,158	18,604,505
令和	1	年度	41,659,630	17,602,053	24,057,577	18,673,612
	2		39,518,740	16,428,047	23,090,693	18,147,790
	3	年				
		1~3月	10,127,093	4,107,728	6,019,365	4,737,498
		4~6	9,706,144	4,219,794	5,486,350	4,069,162
		7~9	10,898,083	4,535,442	6,362,641	4,954,309
		10~12	10,584,086	4,371,284	6,212,802	4,843,536
	3	年				
		1月	3,669,289	1,459,403	2,209,886	1,751,068
		2	3,182,220	1,307,950	1,874,270	1,497,334
		3	3,275,584	1,340,375	1,935,209	1,489,096
		4	3,362,541	1,420,536	1,942,005	1,466,091
		5	3,278,146	1,403,317	1,874,829	1,399,404
		6	3,065,457	1,395,941	1,669,516	1,203,667
		7	3,519,043	1,468,450	2,050,593	1,596,921
		8	3,790,829	1,579,124	2,211,705	1,733,454
		9	3,588,211	1,487,868	2,100,343	1,623,934
		10	3,514,960	1,473,154	2,041,806	1,595,415
		11	3,397,608	1,400,023	1,997,585	1,568,136
		12	3,671,518	1,498,107	2,173,411	1,679,985
④ 化学繊維工業			Chemical fibers industry			
平成	29	年	6,580,370	2,144,819	4,435,551	3,101,548
	30		6,518,482	2,141,578	4,376,904	3,068,680
令和	1	年	6,207,607	2,169,607	4,038,000	2,846,360
	2		5,843,498	2,012,520	3,830,978	2,577,548
	3		6,349,419	2,282,606	4,066,813	2,706,727
令和	1	年度	6,141,380	2,124,602	4,016,778	2,804,754
	2		5,904,603	2,044,135	3,860,468	2,574,332
	3	年				
		1~3月	1,581,721	526,673	1,055,048	704,542
		4~6	1,558,051	597,726	960,325	611,859
		7~9	1,676,601	578,736	1,097,865	750,353
		10~12	1,533,046	579,471	953,575	639,973
	3	年				
		1月	543,089	174,726	368,363	243,847
		2	497,123	161,855	335,268	229,444
		3	541,509	190,092	351,417	231,251
		4	529,952	191,369	338,583	208,970
		5	523,603	197,740	325,863	209,889
		6	504,496	208,617	295,879	193,000
		7	558,989	187,992	370,997	254,030
		8	570,567	195,825	374,742	262,870
		9	547,045	194,919	352,126	233,453
		10	538,258	221,095	317,163	217,389
		11	474,951	165,654	309,297	215,478
		12	519,837	192,722	327,115	207,106

単位 Unit: 1000kWh

Purchase and Generation by own power station				消費 Consumption	販売電力(売電) Shipments	Year, Quarter & Month	
発電 power station							
コージェネレーション Co-generation	水力 Hydraulic	その他 Others					
1,658,795	347,769	128,570	26,973,771	3,012,424	C.Y.	2017	
1,629,530	371,300	106,181	27,013,329	3,246,119	C.Y.	2018	
1,684,853	276,487	103,303	26,136,599	3,038,430	C.Y.	2019	
1,638,869	258,037	65,699	23,508,436	3,374,163	C.Y.	2020	
1,736,971	260,418	61,042	24,270,244	3,281,755	C.Y.	2021	
1,679,288	269,018	97,029	25,673,659	3,080,098	F.Y.	2019	
1,661,565	257,132	61,552	23,238,733	3,385,836	F.Y.	2020	
446,737	58,272	14,421	6,054,272	884,962	Q1	2021	
403,447	72,443	16,140	5,990,112	729,968	Q2		
421,443	61,556	16,100	6,153,072	858,212	Q3		
465,344	68,147	14,381	6,072,788	808,613	Q4		
148,040	19,199	4,451	2,034,761	296,459	Jan.	2021	
140,183	17,326	4,627	1,894,908	280,227	Feb.		
158,514	21,747	5,343	2,124,603	308,276	Mar.		
145,688	23,240	5,091	2,033,795	256,627	Apr.		
119,380	23,779	5,145	2,029,659	213,758	May		
138,379	25,424	5,904	1,926,658	259,583	Jun.		
145,515	22,653	5,968	2,052,111	294,725	Jul.		
130,621	19,788	4,811	2,051,130	284,291	Aug.		
145,307	19,115	5,321	2,049,831	279,196	Sep.		
157,063	20,938	5,311	2,072,050	268,068	Oct.		
154,229	23,276	5,060	1,982,139	272,557	Nov.		
154,052	23,933	4,010	2,018,599	267,988	Dec.		
3,717,307	967,077	1,013,146	36,087,325	6,050,335	C.Y.	2017	
3,304,898	946,092	1,024,467	35,475,171	6,070,841	C.Y.	2018	
3,530,044	905,969	984,548	35,844,813	5,898,324	C.Y.	2019	
3,195,148	833,292	900,263	33,927,075	5,765,415	C.Y.	2020	
3,703,007	772,472	1,001,174	35,717,083	5,598,323	C.Y.	2021	
3,550,831	925,882	907,252	35,698,349	5,961,281	F.Y.	2019	
3,195,642	790,728	956,533	33,888,567	5,630,173	F.Y.	2020	
893,605	148,090	240,172	8,714,101	1,412,992	Q1	2021	
959,853	236,807	220,528	8,486,548	1,219,596	Q2		
912,900	220,179	275,253	9,425,863	1,472,220	Q3		
936,649	167,396	265,221	9,090,571	1,493,515	Q4		
329,145	39,418	90,255	3,121,692	547,597	Jan.	2021	
266,342	42,065	68,529	2,730,471	451,749	Feb.		
298,118	66,607	81,388	2,861,938	413,646	Mar.		
313,155	78,548	84,211	2,961,787	400,754	Apr.		
333,735	79,954	61,736	2,822,539	455,607	May		
312,963	78,305	74,581	2,702,222	363,235	Jun.		
285,229	76,438	92,005	3,071,517	447,526	Jul.		
308,886	74,646	94,719	3,277,895	512,934	Aug.		
318,785	69,095	88,529	3,076,451	511,760	Sep.		
287,217	60,488	98,686	3,016,272	498,688	Oct.		
299,431	47,846	82,172	2,933,660	463,948	Nov.		
350,001	59,062	84,363	3,140,639	530,879	Dec.		
1,320,478	-	13,525	5,810,272	770,098	C.Y.	2017	
1,297,970	-	10,254	5,740,625	777,857	C.Y.	2018	
1,179,116	-	12,524	5,495,747	711,860	C.Y.	2019	
1,245,255	-	8,175	5,121,517	721,981	C.Y.	2020	
1,351,649	-	8,437	5,498,934	850,485	C.Y.	2021	
1,200,819	-	11,205	5,432,795	708,585	F.Y.	2019	
1,277,226	-	8,910	5,143,281	761,322	F.Y.	2020	
349,205	-	1,301	1,344,802	236,919	Q1	2021	
345,421	-	3,045	1,360,642	197,409	Q2		
345,506	-	2,006	1,457,824	218,777	Q3		
311,517	-	2,085	1,335,666	197,380	Q4		
124,087	-	429	452,381	90,708	Jan.	2021	
105,769	-	55	421,286	75,837	Feb.		
119,349	-	817	471,135	70,374	Mar.		
127,071	-	2,542	460,959	68,993	Apr.		
115,858	-	116	456,848	66,755	May		
102,492	-	387	442,835	61,661	Jun.		
115,932	-	1,035	484,163	74,826	Jul.		
111,293	-	579	497,549	73,018	Aug.		
118,281	-	392	476,112	70,933	Sep.		
99,595	-	179	473,600	64,658	Oct.		
93,256	-	563	404,684	70,267	Nov.		
118,666	-	1,343	457,382	62,455	Dec.		

⑤ 石油製品工業			Petroleum products industry			
年 月			購入電力及び自家発電			
			計	購入電力(買電)	自 家	
					計	火力
Total	Purchase	Total	Thermal			
平成	29	年	19,461,080	2,897,380	16,563,700	8,387,052
	30		18,974,181	2,704,370	16,269,811	8,759,590
令和	1	年	19,615,458	2,665,122	16,950,336	9,218,691
	2		16,346,015	2,332,455	14,013,560	8,392,806
	3		16,340,535	2,370,521	13,970,014	7,626,796
令和	1	年度	18,565,165	2,691,114	15,874,051	9,046,048
	2		16,305,332	2,261,707	14,043,625	8,000,927
3	年	1~3月	4,412,421	556,267	3,856,154	2,039,205
		4~6	3,315,429	587,926	2,727,503	1,448,954
		7~9	4,365,789	603,282	3,762,507	2,125,700
		10~12	4,246,896	623,046	3,623,850	2,012,937
3	年	1月	1,632,308	172,740	1,459,568	774,989
		2	1,358,235	174,092	1,184,143	637,499
		3	1,421,878	209,435	1,212,443	626,717
		4	1,057,146	195,268	861,878	461,361
		5	1,030,074	183,500	846,574	466,198
		6	1,228,209	209,158	1,019,051	521,395
		7	1,435,228	214,434	1,220,794	667,921
		8	1,584,973	205,811	1,379,162	753,719
		9	1,345,588	183,037	1,162,551	704,060
		10	1,300,484	230,073	1,070,411	492,254
		11	1,262,082	210,879	1,051,203	655,034
		12	1,684,330	182,094	1,502,236	865,649
⑥ 窯業・土石製品工業			Ceramics, clay and stone products industry			
平成	29	年	19,515,419	4,646,730	14,868,689	13,330,545
	30		19,322,859	4,691,892	14,630,967	13,175,240
令和	1	年	19,100,373	4,545,057	14,555,316	13,164,798
	2		18,375,914	3,919,854	14,456,060	13,047,772
	3		18,329,136	4,234,321	14,094,815	12,661,221
令和	1	年度	19,158,687	4,411,575	14,747,112	13,327,736
	2		18,091,891	3,884,614	14,207,277	12,828,036
3	年	1~3月	4,617,857	1,035,292	3,582,565	3,263,792
		4~6	4,160,749	1,064,487	3,096,262	2,697,354
		7~9	4,754,711	1,035,855	3,718,856	3,351,575
		10~12	4,795,819	1,098,687	3,697,132	3,348,500
3	年	1月	1,598,776	353,860	1,244,916	1,144,120
		2	1,443,773	340,500	1,103,273	1,007,410
		3	1,575,308	340,932	1,234,376	1,112,262
		4	1,504,199	335,177	1,169,022	1,038,116
		5	1,384,368	375,094	1,009,274	868,188
		6	1,272,182	354,216	917,966	791,050
		7	1,549,448	350,576	1,198,872	1,071,729
		8	1,642,750	346,473	1,296,277	1,170,279
		9	1,562,513	338,806	1,223,707	1,109,567
		10	1,551,151	357,406	1,193,745	1,084,948
		11	1,549,148	358,615	1,190,533	1,082,137
		12	1,695,520	382,666	1,312,854	1,181,415
⑦ ガラス製品工業			Glass products industry			
平成	29	年	1,738,690	1,571,256	167,434	-
	30		1,662,797	1,505,884	156,913	-
令和	1	年	1,510,478	1,360,277	150,201	-
	2		1,204,177	1,071,055	133,122	-
	3		1,226,168	1,076,462	149,706	-
令和	1	年度	1,444,534	1,305,086	139,448	-
	2		1,168,847	1,029,578	139,269	-
3	年	1~3月	278,900	241,863	37,037	-
		4~6	304,363	262,090	42,273	-
		7~9	327,122	291,181	35,941	-
		10~12	315,783	281,328	34,455	-
3	年	1月	91,779	79,967	11,812	-
		2	89,151	77,803	11,348	-
		3	97,970	84,093	13,877	-
		4	96,454	82,882	13,572	-
		5	102,529	86,613	15,916	-
		6	105,380	92,595	12,785	-
		7	111,816	98,930	12,886	-
		8	109,535	97,016	12,519	-
		9	105,771	95,235	10,536	-
		10	107,106	96,208	10,898	-
		11	104,566	92,815	11,751	-
		12	104,111	92,305	11,806	-

単位 Unit: 1000kWh

Purchase and Generation by own power station			消費 Consumption	販売電力(売電) Shipments	Year, Quarter &Month	
発電 power station						
コージェネレーション Co-generation	水力 Hydraulic	その他 Others				
7,848,942	...	327,706	11,953,680	7,507,400	C.Y.	2017
7,176,840	...	333,381	11,833,489	7,140,692	C.Y.	2018
7,433,573	...	298,072	11,772,842	7,842,616	C.Y.	2019
5,343,255	...	277,499	10,529,230	5,816,785	C.Y.	2020
6,130,601	...	212,617	10,385,432	5,955,103	C.Y.	2021
6,540,696	...	287,307	11,465,037	7,100,128	F.Y.	2019
5,796,131	...	246,567	10,381,307	5,924,025	F.Y.	2020
1,766,478	...	50,471	2,658,857	1,753,564	Q1	2021
1,243,476	...	35,073	2,289,811	1,025,618	Q2	
1,585,020	...	51,787	2,770,166	1,595,623	Q3	
1,535,627	...	75,286	2,666,598	1,580,298	Q4	
663,034	...	21,545	954,784	677,524	Jan.	2021
531,762	...	14,882	820,019	538,216	Feb.	
571,682	...	14,044	884,054	537,824	Mar.	
384,874	...	15,643	773,388	283,758	Apr.	
370,965	...	9,411	738,306	291,768	May	
487,637	...	10,019	778,117	450,092	Jun.	
538,314	...	14,559	887,201	548,027	Jul.	
608,660	...	16,783	994,584	590,389	Aug.	
438,046	...	20,445	888,381	457,207	Sep.	
553,079	...	25,078	852,914	447,570	Oct.	
371,003	...	25,166	828,963	433,119	Nov.	
611,545	...	25,042	984,721	699,609	Dec.	
172,099	434,072	931,973	17,023,573	2,491,846	C.Y.	2017
174,058	406,647	875,022	16,692,464	2,630,395	C.Y.	2018
166,563	405,925	818,030	16,571,528	2,528,845	C.Y.	2019
184,369	416,023	807,896	15,746,851	2,629,063	C.Y.	2020
237,508	396,599	799,487	15,912,078	2,417,058	C.Y.	2021
165,295	437,099	816,982	16,496,893	2,661,794	F.Y.	2019
202,210	395,033	781,998	15,563,064	2,528,827	F.Y.	2020
62,006	77,085	179,682	4,025,531	592,326	Q1	2021
65,417	139,427	194,064	3,651,797	508,952	Q2	
66,702	102,628	197,951	4,066,155	688,556	Q3	
43,383	77,459	227,790	4,168,595	627,224	Q4	
21,484	15,021	64,291	1,363,837	234,939	Jan.	2021
18,925	22,462	54,476	1,271,936	171,837	Feb.	
21,597	39,602	60,915	1,389,758	185,550	Mar.	
20,904	49,174	60,828	1,332,402	171,797	Apr.	
21,475	47,929	71,682	1,197,402	186,966	May	
23,038	42,324	61,554	1,121,993	150,189	Jun.	
25,668	37,808	63,667	1,322,859	226,589	Jul.	
24,037	33,507	68,454	1,401,159	241,591	Aug.	
16,997	31,313	65,830	1,342,137	220,376	Sep.	
4,984	28,597	75,216	1,360,762	190,389	Oct.	
17,262	19,045	72,089	1,345,874	203,274	Nov.	
21,137	29,817	80,485	1,461,959	233,561	Dec.	
101,527	65,808	99	1,737,681	1,009	C.Y.	2017
101,828	54,986	99	1,661,790	1,007	C.Y.	2018
87,017	63,086	98	1,509,763	715	C.Y.	2019
65,765	67,262	95	1,203,555	622	C.Y.	2020
92,520	57,095	91	1,225,566	602	C.Y.	2021
72,583	66,767	98	1,443,903	631	F.Y.	2019
74,526	64,648	95	1,168,223	624	F.Y.	2020
20,186	16,829	22	278,697	203	Q1	2021
23,196	19,052	25	304,232	131	Q2	
23,949	11,970	22	327,009	113	Q3	
25,189	9,244	22	315,628	155	Q4	
7,487	4,318	7	91,703	76	Jan.	2021
6,082	5,259	7	89,086	65	Feb.	
6,617	7,252	8	97,908	62	Mar.	
6,557	7,006	9	96,403	51	Apr.	
8,407	7,501	8	102,486	43	May	
8,232	4,545	8	105,343	37	Jun.	
8,492	4,386	8	111,777	39	Jul.	
7,941	4,571	7	109,496	39	Aug.	
7,516	3,013	7	105,736	35	Sep.	
8,285	2,605	8	107,066	40	Oct.	
8,560	3,184	7	104,517	49	Nov.	
8,344	3,455	7	104,045	66	Dec.	

年月			Iron and steel industry			
			購入電力及び自家発電			
			計 Total	購入電力(買電) Purchase	自家 Generation by own	
計 Total	火力 Thermal					
平成	29	年	77,945,656	48,022,099	29,923,557	22,622,829
	30		77,554,012	49,130,952	28,423,060	21,831,333
令和	1	年	74,911,572	47,356,645	27,554,927	21,288,526
	2		66,818,326	41,536,066	25,282,260	19,968,617
	3		72,832,214	46,159,094	26,673,120	20,809,859
令和	1	年度	74,205,893	46,656,901	27,548,992	21,324,380
	2		66,738,261	41,382,979	25,355,282	20,165,677
3	年	1~3月	18,182,326	11,107,774	7,074,552	5,680,461
		4~6	17,846,485	11,600,482	6,246,003	4,802,330
		7~9	18,606,116	11,557,201	7,048,915	5,499,499
		10~12	18,197,287	11,893,637	6,303,650	4,827,569
3	年	1月	6,228,156	3,672,565	2,555,591	2,087,929
		2	5,743,316	3,525,829	2,217,487	1,790,400
		3	6,210,854	3,909,380	2,301,474	1,802,132
		4	5,750,210	3,791,798	1,958,412	1,484,312
		5	6,012,466	3,919,219	2,093,247	1,621,167
		6	6,083,809	3,889,465	2,194,344	1,696,851
		7	6,268,682	3,891,933	2,376,749	1,864,654
		8	6,178,573	3,775,193	2,403,380	1,880,340
		9	6,158,861	3,890,075	2,268,786	1,754,505
		10	6,009,574	4,021,829	1,987,745	1,477,072
		11	5,969,088	4,001,430	1,967,658	1,504,236
		12	6,218,625	3,870,378	2,348,247	1,846,261
⑨ 非鉄金属地金工業			Non-ferrous metals industry			
平成	29	年	5,547,373	4,225,873	1,321,500	32,715
	30		5,615,349	4,297,586	1,317,763	32,523
令和	1	年	5,674,422	4,239,419	1,435,003	37,363
	2		5,774,027	4,247,931	1,526,096	27,999
	3		5,708,074	4,231,497	1,476,577	31,050
令和	1	年度	5,783,197	4,271,338	1,511,859	34,674
	2		5,700,489	4,216,121	1,484,368	29,566
3	年	1~3月	1,368,534	1,071,457	297,077	7,582
		4~6	1,502,167	1,084,760	417,407	8,008
		7~9	1,441,571	1,020,737	420,834	7,359
		10~12	1,395,802	1,054,543	341,259	8,101
3	年	1月	473,202	380,429	92,773	2,589
		2	413,856	330,286	83,570	2,394
		3	481,476	360,742	120,734	2,599
		4	497,375	361,251	136,124	2,216
		5	505,779	364,601	141,178	2,917
		6	499,013	358,908	140,105	2,875
		7	447,202	299,851	147,351	3,083
		8	499,801	363,665	136,136	3,105
		9	494,568	357,221	137,347	1,171
		10	491,868	359,301	132,567	2,307
		11	427,673	330,928	96,745	3,050
		12	476,261	364,314	111,947	2,744
⑩ 機械工業			Machinery industry			
平成	29	年	26,912,255	23,610,721	3,301,534	51,648
	30		27,833,846	24,593,720	3,240,126	55,867
令和	1	年	27,783,295	24,548,554	3,234,741	57,107
	2		26,707,617	23,542,991	3,164,626	54,052
	3		27,468,608	24,448,874	3,019,734	15,597
令和	1	年度	27,698,520	24,477,195	3,221,325	56,997
	2		26,785,556	23,557,600	3,227,956	57,110
3	年	1~3月	6,721,266	5,851,738	869,528	15,460
		4~6	6,667,552	5,957,471	710,081	27
		7~9	7,357,581	6,603,636	753,945	85
		10~12	6,722,209	6,036,029	686,180	25
3	年	1月	2,241,088	1,936,240	304,848	6,448
		2	2,144,978	1,879,472	265,506	4,494
		3	2,335,200	2,036,026	299,174	4,518
		4	2,185,461	1,940,574	244,887	4
		5	2,066,041	1,860,251	205,790	11
		6	2,416,050	2,156,646	259,404	12
		7	2,640,560	2,363,194	277,366	50
		8	2,388,461	2,153,882	234,579	24
		9	2,328,560	2,086,560	242,000	11
		10	2,255,169	2,038,492	216,677	6
		11	2,225,819	1,993,297	232,522	4
		12	2,241,221	2,004,240	236,981	15

単位 Unit:1000kWh

Purchase and Generation by own power station			消費 Consumption	販売電力(売電) Shipments	Year, Quarter &Month
発電 power station					
コージェネレーション Co-generation	水力 Hydraulic	その他 Others			
1,186,624	866	6,113,238	67,164,270	10,781,386	C.Y. 2017
1,031,113	894	5,559,720	66,667,265	10,886,747	C.Y. 2018
801,243	1,012	5,464,146	64,580,901	10,330,671	C.Y. 2019
555,254	905	4,757,484	57,704,552	9,113,774	C.Y. 2020
561,350	1,037	5,300,874	63,076,197	9,756,017	C.Y. 2021
669,711	941	5,553,960	63,971,705	10,234,188	F.Y. 2019
554,687	987	4,633,931	57,426,361	9,311,900	F.Y. 2020
148,469	278	1,245,344	15,394,093	2,788,233	Q1 2021
125,984	267	1,317,422	15,659,878	2,186,607	Q2
147,474	260	1,401,682	16,022,945	2,583,171	Q3
139,423	232	1,336,426	15,999,281	2,198,006	Q4
47,374	103	420,185	5,166,044	1,062,112	Jan. 2021
46,116	96	380,875	4,868,136	875,180	Feb.
54,979	79	444,284	5,359,913	850,941	Mar.
42,898	92	431,110	5,084,995	665,215	Apr.
37,317	88	434,675	5,310,089	702,377	May
45,769	87	451,637	5,264,794	819,015	Jun.
44,976	87	467,032	5,419,340	849,342	Jul.
52,067	92	470,881	5,289,058	889,515	Aug.
50,431	81	463,769	5,314,547	844,314	Sep.
47,390	81	463,202	5,382,902	626,672	Oct.
38,349	77	424,996	5,296,984	672,104	Nov.
53,684	74	448,228	5,319,395	899,230	Dec.
11,152	932,931	344,702	5,514,867	32,506	C.Y. 2017
9,916	916,550	358,774	5,582,194	33,155	C.Y. 2018
7,218	1,055,254	335,168	5,465,636	208,786	C.Y. 2019
17,512	1,123,665	356,920	5,520,873	253,154	C.Y. 2020
4,078	1,103,724	337,725	5,446,384	261,690	C.Y. 2021
9,274	1,124,428	343,483	5,518,672	264,525	F.Y. 2019
17,931	1,087,683	349,188	5,457,873	242,616	F.Y. 2020
2,578	205,826	81,091	1,317,465	51,069	Q1 2021
20	314,512	94,867	1,423,721	78,446	Q2
86	318,785	94,604	1,366,586	74,985	Q3
1,394	264,601	67,163	1,338,612	57,190	Q4
2,140	58,881	29,163	460,038	13,164	Jan. 2021
362	56,135	24,679	401,187	12,669	Feb.
76	90,810	27,249	456,240	25,236	Mar.
0	103,273	30,635	470,547	26,828	Apr.
0	104,900	33,361	479,011	26,768	May
20	106,339	30,871	474,163	24,850	Jun.
79	110,629	33,560	420,923	26,279	Jul.
7	99,863	33,161	474,672	25,129	Aug.
0	108,293	27,883	470,991	23,577	Sep.
87	104,422	25,751	471,969	19,899	Oct.
319	74,315	19,061	411,911	15,762	Nov.
988	85,864	22,351	454,732	21,529	Dec.
3,219,215	...	30,671	26,889,657	22,598	C.Y. 2017
3,158,246	...	26,013	27,769,727	64,119	C.Y. 2018
3,150,975	...	26,659	27,720,652	62,643	C.Y. 2019
2,998,347	...	112,227	26,653,278	54,339	C.Y. 2020
2,941,149	...	62,988	27,424,184	44,424	C.Y. 2021
3,127,977	...	36,351	27,635,960	62,560	F.Y. 2019
3,051,232	...	119,614	26,728,762	56,794	F.Y. 2020
832,137	...	21,931	6,703,958	17,308	Q1 2021
701,805	...	8,249	6,658,073	9,479	Q2
729,450	...	24,410	7,347,931	9,650	Q3
677,757	...	8,398	6,714,222	7,987	Q4
281,844	...	16,556	2,231,863	9,225	Jan. 2021
259,151	...	1,861	2,141,138	3,840	Feb.
291,142	...	3,514	2,330,957	4,243	Mar.
242,434	...	2,449	2,182,342	3,119	Apr.
202,343	...	3,436	2,062,931	3,110	May
257,028	...	2,364	2,412,800	3,250	Jun.
269,634	...	7,682	2,636,969	3,591	Jul.
229,356	...	5,199	2,384,877	3,584	Aug.
230,460	...	11,529	2,326,085	2,475	Sep.
213,791	...	2,880	2,252,604	2,565	Oct.
229,279	...	3,239	2,222,855	2,964	Nov.
234,687	...	2,279	2,238,763	2,458	Dec.

(4) 蒸気受払 (令和3年)

Steam input and output (C.Y.2021)

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of steam				
	計 Total	受入 Receipts	蒸 気 発 生 Generation		
			計 Total	一次蒸気 Primary steam	一次蒸気 Other than primary コージェネレーション Co-generation
合 計 (注)	501,050,636	38,200,662	462,849,974	374,775,827	25,807,622
事業所重複分補正量	38,019,460	443,166	37,576,294	36,663,237	606,939
パルプ・紙・板紙工業	147,465,661	703,836	146,761,825	142,484,819	3,656,971
化学工業	161,019,067	27,415,094	133,603,973	102,252,394	8,284,429
化学繊維工業	20,744,354	1,232,785	19,511,569	17,026,482	2,388,168
石油製品工業	76,787,578	4,252,122	72,535,456	53,214,408	11,205,241
窯業・土石製品工業	49,645,591	92,437	49,553,154	46,396,121	433,737
ガラス製品工業	131,199	-	131,199	55,566	75,633
鉄鋼業	79,630,213	4,473,057	75,157,156	49,654,182	368,365
非鉄金属地金工業	3,646,433	474,497	3,171,936	355,092	2,017

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、この重複分は「事業所重複分補正量」として計上してある。

業種別蒸気受払の推移(事業所ベース)

Trends by industry (establishment basis)

①調査対象業種合計

Surveyed industry total

年 月	受 入 及 び 蒸 気 発 生 Receipts and Product of steam				
	計 Total	受入 Receipts	蒸 気 発 生 Generation		
			計 Total	一次蒸気 Primary steam	一次蒸気 Other than primary コージェネレーション Co-generation
平成 29 年	545,654,663	40,965,719	504,688,944	402,774,575	31,529,814
30 年	541,962,812	40,754,603	501,208,209	404,106,931	29,180,305
令和 1 年	535,865,864	39,200,829	496,665,035	400,091,834	28,432,715
2 年	501,197,388	37,517,234	463,680,154	376,927,393	22,751,410
3 年	501,050,636	38,200,662	462,849,974	374,775,827	25,807,622
令和 1 年度	531,628,616	39,116,779	492,511,837	398,003,954	26,055,076
2 年度	496,039,058	37,258,615	458,780,443	372,186,809	23,675,472
3 年 1~3月	130,350,690	10,026,187	120,324,503	97,515,751	6,704,359
4~6	116,987,891	8,831,562	108,156,329	86,439,051	6,030,569
7~9	127,532,696	9,307,450	118,225,246	96,147,439	6,522,012
10~12	126,179,359	10,035,463	116,143,896	94,673,586	6,550,682
3 年 1月	45,898,842	3,649,205	42,249,637	34,274,760	2,377,745
2	40,674,991	3,129,072	37,545,919	30,523,633	2,093,198
3	43,776,857	3,247,910	40,528,947	32,717,358	2,233,416
4	40,167,480	3,115,618	37,051,862	29,645,707	1,976,911
5	39,425,572	2,936,835	36,488,737	29,279,662	1,944,600
6	37,394,839	2,779,109	34,615,730	27,513,682	2,109,058
7	41,861,928	2,977,880	38,884,048	31,528,258	2,198,447
8	43,855,145	3,164,765	40,690,380	33,059,586	2,305,878
9	41,815,623	3,164,805	38,650,818	31,559,595	2,017,687
10	41,374,631	3,257,250	38,117,381	30,990,397	2,051,149
11	40,714,395	3,240,617	37,473,778	30,713,308	1,849,805
12	44,090,333	3,537,596	40,552,737	32,969,881	2,649,728

単位 Unit : t						
以外 steam	消費 Consumption				払出 Shipments	Industry
	計 Total	生産工程用 for Production	自家発電用 for Private power generation	その他用 for Others		
その他 Others						
62,266,525	477,015,247	226,263,822	218,490,432	32,260,993	24,035,389	Total
306,118	37,100,780	10,675,044	26,416,284	9,452	918,680	Duplication adjustment
620,035	146,511,552	63,985,410	78,652,573	3,873,569	954,109	Pulp, paper, paperboard industry
23,067,150	145,227,560	89,220,469	49,856,892	6,150,199	15,791,507	Chemical industry
96,919	20,431,466	10,478,264	9,504,868	448,334	312,888	Chemical fibers industry
8,115,807	73,072,597	41,461,476	26,865,674	4,745,447	3,714,981	Petroleum products industry
2,723,296	48,649,674	8,816,231	39,404,349	429,094	995,917	Ceramics, clay and stone products industry
-	131,199	118,220	-	12,979	-	Glass products industry
25,134,609	76,504,081	21,349,351	40,264,813	14,889,917	3,126,132	Iron and steel industry
2,814,827	3,587,898	1,509,445	357,547	1,720,906	58,535	Non-ferrous metals industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

単位 Unit : t						
以外 steam	消費 Consumption				払出 Shipments	Year, Quarter &Month
	計 Total	生産工程用 for Production	自家発電用 for Private power generation	その他用 for Others		
その他 Others						
70,384,555	519,213,083	250,989,708	236,073,344	32,150,031	26,441,580	C.Y. 2017
67,920,973	514,961,893	248,796,317	233,232,876	32,932,700	27,000,919	C.Y. 2018
68,140,486	510,697,210	244,672,018	233,065,927	32,959,265	25,168,654	C.Y. 2019
64,001,351	477,389,893	223,296,179	221,505,609	32,588,105	23,807,495	C.Y. 2020
62,266,525	477,015,247	226,263,822	218,490,432	32,260,993	24,035,389	C.Y. 2021
68,452,807	506,936,433	240,950,863	232,953,482	33,032,088	24,692,183	F.Y. 2019
62,918,162	472,244,532	220,849,459	219,064,039	32,331,034	23,794,526	F.Y. 2020
16,104,393	123,981,401	59,157,174	56,375,246	8,448,981	6,369,289	Q1 2021
15,686,709	111,529,509	54,266,498	49,404,433	7,858,578	5,458,382	Q2
15,555,795	121,670,915	55,703,252	57,817,907	8,149,756	5,861,781	Q3
14,919,628	119,833,422	57,136,898	54,892,846	7,803,678	6,345,937	Q4
5,597,132	43,629,239	20,905,047	19,760,973	2,963,219	2,269,603	Jan. 2021
4,929,088	38,668,636	18,395,305	17,581,065	2,692,266	2,006,355	Feb.
5,578,173	41,683,526	19,856,822	19,033,208	2,793,496	2,093,331	Mar.
5,429,244	38,200,227	19,022,510	16,646,145	2,531,572	1,967,253	Apr.
5,264,475	37,603,521	18,343,403	16,608,856	2,651,262	1,822,051	May
4,992,990	35,725,761	16,900,585	16,149,432	2,675,744	1,669,078	Jun.
5,157,343	39,994,698	17,956,709	19,275,332	2,762,657	1,867,230	Jul.
5,324,916	41,875,969	19,271,660	19,785,900	2,818,409	1,979,176	Aug.
5,073,536	39,800,248	18,474,883	18,756,675	2,568,690	2,015,375	Sep.
5,075,835	39,241,478	18,536,879	18,209,363	2,495,236	2,133,153	Oct.
4,910,665	38,652,165	18,474,572	17,684,806	2,492,787	2,062,230	Nov.
4,933,128	41,939,779	20,125,447	18,998,677	2,815,655	2,150,554	Dec.

② パルプ・紙・板紙工業

Pulp, paper, paperboard industry

年 月			受 入 及 び 蒸 気 発 生 Receipts and Product of steam				
			計 Total	受入 Receipts	蒸 気 発 生 Generation		
					計 Total	一次蒸気 Primary steam	一次蒸気 Other than コージェネレーション Co-generation
平成	29	年	158,021,800	320,034	157,701,766	153,387,144	3,661,013
	30		159,640,293	321,035	159,319,258	155,179,422	3,479,438
令和	1	年	155,970,007	567,482	155,402,525	151,261,938	3,473,938
	2		144,138,601	731,632	143,406,969	139,354,677	3,411,244
	3		147,465,661	703,836	146,761,825	142,484,819	3,656,971
令和	1	年度	154,182,382	650,345	153,532,037	149,448,570	3,410,088
	2		142,707,566	727,499	141,980,067	137,851,244	3,502,864
	3	年					
		1~3月	38,203,759	181,326	38,022,433	36,928,221	948,874
		4~6	35,618,546	179,970	35,438,576	34,408,681	865,948
		7~9	37,128,841	153,652	36,975,189	35,942,685	871,111
		10~12	36,514,515	188,888	36,325,627	35,205,232	971,038
	3	年					
		1月	13,009,151	57,462	12,951,689	12,600,675	307,452
		2	11,880,363	55,772	11,824,591	11,482,318	297,153
		3	13,314,245	68,092	13,246,153	12,845,228	344,269
		4	12,093,365	63,180	12,030,185	11,668,361	308,718
		5	12,140,670	59,294	12,081,376	11,766,031	258,352
		6	11,384,511	57,496	11,327,015	10,974,289	298,878
		7	12,426,872	50,828	12,376,044	12,016,093	301,714
		8	12,420,484	47,284	12,373,200	12,058,656	268,229
		9	12,281,485	55,540	12,225,945	11,867,936	301,168
		10	12,414,484	61,855	12,352,629	11,974,062	326,351
		11	11,848,036	63,478	11,784,558	11,414,896	321,654
		12	12,251,995	63,555	12,188,440	11,816,274	323,033

③ 化学工業

Chemical industry

平成	29	年	171,927,860	30,356,731	141,571,129	105,506,529	7,612,672
	30		166,608,096	29,977,252	136,630,844	102,046,992	6,963,734
令和	1	年	166,366,852	28,340,064	138,026,788	102,473,377	7,571,445
	2		159,941,735	27,175,097	132,766,638	100,764,424	6,825,350
	3		161,019,067	27,415,094	133,603,973	102,252,394	8,284,429
令和	1	年度	165,954,475	28,165,527	137,788,948	102,659,822	7,537,158
	2		159,122,179	26,978,532	132,143,647	100,732,873	6,897,463
	3	年					
		1~3月	41,195,208	7,233,417	33,961,791	26,120,287	1,969,886
		4~6	37,098,656	6,165,544	30,933,112	23,052,024	2,109,284
		7~9	41,034,817	6,722,194	34,312,623	26,682,063	1,990,123
		10~12	41,690,386	7,293,939	34,396,447	26,398,020	2,215,136
	3	年					
		1月	14,875,338	2,667,351	12,207,987	9,467,680	696,172
		2	12,864,830	2,289,364	10,575,466	8,183,599	607,592
		3	13,455,040	2,276,702	11,178,338	8,469,008	666,122
		4	13,176,222	2,182,823	10,993,399	8,220,861	687,785
		5	12,575,374	2,064,727	10,510,647	7,812,450	726,842
		6	11,347,060	1,917,994	9,429,066	7,018,713	694,657
		7	13,216,630	2,105,170	11,111,460	8,723,772	641,707
		8	14,157,917	2,303,205	11,854,712	9,240,995	692,368
		9	13,660,270	2,313,819	11,346,451	8,717,296	656,048
		10	13,625,788	2,346,572	11,279,216	8,642,958	581,220
		11	13,516,816	2,355,620	11,161,196	8,591,189	643,369
		12	14,547,782	2,591,747	11,956,035	9,163,873	990,547

④ 化学繊維工業

Chemical fibers industry

平成	29	年	22,929,687	1,755,622	21,174,065	18,714,960	2,359,034
	30		23,046,325	1,777,650	21,268,675	18,924,608	2,244,054
令和	1	年	21,367,868	1,591,710	19,776,158	17,453,272	2,222,588
	2		19,726,091	1,063,314	18,662,777	16,286,692	2,276,900
	3		20,744,354	1,232,785	19,511,569	17,026,482	2,388,168
令和	1	年度	21,100,786	1,476,985	19,623,801	17,245,973	2,276,630
	2		19,740,028	1,036,560	18,703,468	16,324,294	2,280,788
	3	年					
		1~3月	5,443,239	332,759	5,110,480	4,463,570	623,325
		4~6	4,872,466	319,993	4,552,473	3,914,881	613,075
		7~9	5,402,939	284,191	5,118,748	4,505,824	589,004
		10~12	5,025,710	295,842	4,729,868	4,142,207	562,764
	3	年					
		1月	1,856,760	112,768	1,743,992	1,519,124	217,279
		2	1,729,070	103,354	1,625,716	1,427,213	191,036
		3	1,857,409	116,637	1,740,772	1,517,233	215,010
		4	1,680,338	107,588	1,572,750	1,342,184	222,478
		5	1,674,849	110,162	1,564,687	1,351,343	205,015
		6	1,517,279	102,243	1,415,036	1,221,354	185,582
		7	1,815,622	96,394	1,719,228	1,513,400	197,624
		8	1,871,861	98,447	1,773,414	1,575,039	190,309
		9	1,715,456	89,350	1,626,106	1,417,385	201,071
		10	1,675,700	97,674	1,578,026	1,387,207	182,471
		11	1,635,130	93,181	1,541,949	1,366,960	166,945
		12	1,714,880	104,987	1,609,893	1,388,040	213,348

単位 Unit : t

以外 primary steam その他 Others	消費 Consumption				払出 Shipments	Year, Quarter &Month
	計 Total	生産工 程用 for Production	自家発 電用 for Private power generation	その他 用 for Others		
653,609	157,373,634	71,020,934	82,258,394	4,094,306	648,166	C.Y. 2017
660,398	158,842,996	70,693,019	84,107,194	4,042,783	797,297	C.Y. 2018
666,649	155,122,616	68,709,777	82,520,572	3,892,267	847,391	C.Y. 2019
641,048	143,299,032	61,087,907	78,346,575	3,864,550	839,569	C.Y. 2020
620,035	146,511,552	63,985,410	78,652,573	3,873,569	954,109	C.Y. 2021
673,379	153,338,646	67,594,138	81,924,483	3,820,025	843,736	F.Y. 2019
625,959	141,856,540	60,203,186	77,747,439	3,905,915	851,026	F.Y. 2020
145,338	37,958,748	16,833,355	19,965,887	1,159,506	245,011	Q1 2021
163,947	35,414,233	15,559,853	18,940,450	913,930	204,313	Q2
161,393	36,881,306	15,208,187	20,797,723	875,396	247,535	Q3
149,357	36,257,265	16,384,015	18,948,513	924,737	257,250	Q4
43,562	12,941,694	5,781,018	6,748,794	411,882	67,457	Jan. 2021
45,120	11,796,047	5,261,898	6,175,108	359,041	84,316	Feb.
56,656	13,221,007	5,790,439	7,041,985	388,583	93,238	Mar.
53,106	12,006,585	5,378,662	6,277,733	350,190	86,780	Apr.
56,993	12,069,603	5,328,365	6,444,861	296,377	71,067	May
53,848	11,338,045	4,852,826	6,217,856	267,363	46,466	Jun.
58,237	12,350,299	5,025,807	7,016,869	307,623	76,573	Jul.
46,315	12,334,383	5,040,479	7,011,263	282,641	86,101	Aug.
56,841	12,196,624	5,141,901	6,769,591	285,132	84,861	Sep.
52,216	12,324,805	5,431,031	6,605,515	288,259	89,679	Oct.
48,008	11,757,703	5,307,642	6,150,182	299,879	90,333	Nov.
49,133	12,174,757	5,645,342	6,192,816	336,599	77,238	Dec.
28,451,928	155,110,435	96,624,909	52,084,075	6,401,451	16,817,425	C.Y. 2017
27,620,118	149,453,251	93,195,296	50,160,842	6,097,113	17,154,845	C.Y. 2018
27,981,966	150,496,441	93,869,371	50,495,619	6,131,451	15,870,411	C.Y. 2019
25,176,864	144,294,822	87,571,594	50,716,888	6,006,340	15,646,913	C.Y. 2020
23,067,150	145,227,560	89,220,469	49,856,892	6,150,199	15,791,507	C.Y. 2021
27,591,968	150,285,451	93,022,779	51,314,149	5,948,523	15,669,024	F.Y. 2019
24,513,311	143,289,884	86,997,624	50,108,576	6,183,684	15,832,295	F.Y. 2020
5,871,618	36,992,728	22,860,121	12,633,001	1,499,606	4,202,480	Q1 2021
5,771,804	33,549,040	21,059,975	10,927,872	1,561,193	3,549,616	Q2
5,640,437	37,230,509	22,335,738	13,283,530	1,611,241	3,804,303	Q3
5,783,291	37,455,283	22,964,635	13,012,489	1,478,159	4,235,108	Q4
2,044,135	13,380,390	8,180,229	4,647,540	552,621	1,494,948	Jan. 2021
1,784,275	11,524,898	7,084,465	3,958,165	482,268	1,339,932	Feb.
2,043,208	12,087,440	7,595,427	4,027,296	464,717	1,367,600	Mar.
2,084,753	11,878,185	7,509,941	3,906,908	461,336	1,298,037	Apr.
1,971,355	11,391,946	7,104,239	3,741,774	545,933	1,183,428	May
1,715,696	10,278,909	6,445,795	3,279,190	553,924	1,068,151	Jun.
1,745,981	12,004,215	7,104,861	4,343,986	555,368	1,212,415	Jul.
1,921,349	12,900,328	7,727,812	4,598,773	573,743	1,257,589	Aug.
1,973,107	12,325,966	7,503,065	4,340,771	482,130	1,334,304	Sep.
2,055,038	12,185,856	7,366,936	4,312,991	505,929	1,439,932	Oct.
1,926,638	12,151,524	7,474,505	4,223,910	453,109	1,365,292	Nov.
1,801,615	13,117,903	8,123,194	4,475,588	519,121	1,429,879	Dec.
100,071	22,025,671	11,926,065	9,554,833	544,773	904,016	C.Y. 2017
100,013	22,147,590	11,920,337	9,642,678	584,575	898,735	C.Y. 2018
100,298	20,661,990	11,020,372	9,193,355	448,263	705,878	C.Y. 2019
99,185	19,415,317	9,700,235	9,266,032	449,050	310,774	C.Y. 2020
96,919	20,431,466	10,478,264	9,504,868	448,334	312,888	C.Y. 2021
101,198	20,548,259	10,767,674	9,333,578	447,007	552,527	F.Y. 2019
98,386	19,432,064	9,659,077	9,311,056	461,931	307,964	F.Y. 2020
23,585	5,356,592	2,774,796	2,460,253	121,543	86,647	Q1 2021
24,517	4,795,534	2,526,941	2,163,507	105,086	76,932	Q2
23,920	5,335,655	2,560,897	2,664,617	110,141	67,284	Q3
24,897	4,943,685	2,615,630	2,216,491	111,564	82,025	Q4
7,589	1,826,271	911,374	869,982	44,915	30,489	Jan. 2021
7,467	1,700,210	889,897	771,055	39,258	28,860	Feb.
8,529	1,830,111	973,525	819,216	37,370	27,298	Mar.
8,088	1,654,273	927,286	690,856	36,131	26,065	Apr.
8,329	1,647,702	836,907	774,762	36,033	27,147	May
8,100	1,493,559	762,748	697,889	32,922	23,720	Jun.
8,204	1,795,016	840,914	919,481	34,621	20,606	Jul.
8,066	1,848,673	897,770	910,320	40,583	23,188	Aug.
7,650	1,691,966	822,213	834,816	34,937	23,490	Sep.
8,348	1,652,891	868,388	750,694	33,809	22,809	Oct.
8,044	1,605,354	843,829	726,777	34,748	29,776	Nov.
8,505	1,685,440	903,413	739,020	43,007	29,440	Dec.

⑤ 石油製品工業			Petroleum products industry				
			受入及び蒸気発生 Receipts and Product of steam				
年 月			計 Total	受入 Receipts	蒸気発生 Generation		
					計 Total	一次蒸気 Primary steam	一次蒸気 Other than
			コージェネレーション Co-generation				
平成	29	年	86,951,640	3,956,738	82,994,902	57,176,673	15,920,829
	30		89,201,568	4,162,764	85,038,804	61,326,099	15,007,930
令和	1	年	89,321,120	4,212,988	85,108,132	61,649,163	14,219,807
	2		82,297,875	4,191,413	78,106,462	59,602,925	9,969,928
	3		76,787,578	4,252,122	72,535,456	53,214,408	11,205,241
令和	1	年度	86,959,783	4,341,822	82,617,961	61,229,202	12,242,714
	2		80,726,209	4,120,869	76,605,340	57,349,246	10,780,409
	3	年 1~3月	20,678,464	1,028,097	19,650,367	14,229,767	3,098,108
		4~6	16,705,578	1,053,480	15,652,098	11,159,895	2,424,103
		7~9	20,116,480	1,095,706	19,020,774	14,130,595	2,986,170
		10~12	19,287,056	1,074,839	18,212,217	13,694,151	2,696,860
	3	年 1月	7,660,608	367,791	7,292,817	5,345,676	1,133,364
		2	6,423,779	325,833	6,097,946	4,389,552	978,839
		3	6,594,077	334,473	6,259,604	4,494,539	985,905
		4	5,603,025	346,380	5,256,645	3,764,020	762,416
		5	5,441,505	342,525	5,098,980	3,683,550	746,916
		6	5,661,048	364,575	5,296,473	3,712,325	914,771
		7	6,439,423	374,181	6,065,242	4,344,047	1,022,294
		8	7,332,396	338,194	6,994,202	5,139,609	1,120,927
		9	6,344,661	383,331	5,961,330	4,646,939	842,949
		10	5,824,272	402,442	5,421,830	3,871,650	941,842
		11	6,153,425	327,139	5,826,286	4,554,922	691,332
		12	7,309,359	345,258	6,964,101	5,267,579	1,063,686
⑥ 窯業・土石製品工業			Ceramics, clay and stone products industry				
平成	29	年	52,485,713	95,138	52,390,575	49,126,082	298,327
	30		52,428,484	88,068	52,340,416	49,250,652	300,803
令和	1	年	51,920,722	97,074	51,823,648	48,801,699	283,335
	2		50,775,593	97,867	50,677,726	47,673,126	307,305
	3		49,645,591	92,437	49,553,154	46,396,121	433,737
令和	1	年度	52,315,704	93,509	52,222,195	49,192,817	284,130
	2		49,908,401	104,276	49,804,125	46,807,869	338,884
	3	年 1~3月	12,703,126	32,155	12,670,971	11,865,777	109,860
		4~6	10,740,744	22,532	10,718,212	9,902,032	137,865
		7~9	13,100,998	19,872	13,081,126	12,205,531	112,348
		10~12	13,100,723	17,878	13,082,845	12,422,781	73,664
	3	年 1月	4,451,629	10,805	4,440,824	4,161,100	36,721
		2	3,872,501	10,168	3,862,333	3,624,992	34,235
		3	4,378,996	11,182	4,367,814	4,079,685	38,904
		4	4,078,186	8,354	4,069,832	3,833,255	38,294
		5	3,454,094	7,703	3,446,391	3,168,772	40,991
		6	3,208,464	6,475	3,201,989	2,900,005	58,580
		7	4,224,125	6,841	4,217,284	3,907,537	45,047
		8	4,572,684	6,855	4,565,829	4,270,257	41,053
		9	4,304,189	6,176	4,298,013	4,027,737	26,248
		10	4,216,599	4,902	4,211,697	4,080,274	5,541
		11	4,266,112	6,039	4,260,073	4,008,896	30,012
		12	4,618,012	6,937	4,611,075	4,333,611	38,111
⑦ ガラス製品工業			Glass products industry				
平成	29	年	189,720	-	189,720	68,906	119,354
	30		175,571	-	175,571	61,807	112,300
令和	1	年	169,232	-	169,232	73,285	95,587
	2		132,461	-	132,461	67,484	64,977
	3		131,199	-	131,199	55,566	75,633
令和	1	年度	158,240	-	158,240	76,965	81,275
	2		123,997	-	123,997	62,530	61,467
	3	年 1~3月	30,084	-	30,084	13,739	16,345
		4~6	31,936	-	31,936	14,813	17,123
		7~9	31,649	-	31,649	11,150	20,499
		10~12	37,530	-	37,530	15,864	21,666
	3	年 1月	9,704	-	9,704	4,810	4,894
		2	9,221	-	9,221	4,184	5,037
		3	11,159	-	11,159	4,745	6,414
		4	10,317	-	10,317	6,196	4,121
		5	11,029	-	11,029	4,382	6,647
		6	10,590	-	10,590	4,235	6,355
		7	10,667	-	10,667	3,821	6,846
		8	10,576	-	10,576	3,697	6,879
		9	10,406	-	10,406	3,632	6,774
		10	11,708	-	11,708	4,788	6,920
		11	12,254	-	12,254	5,035	7,219
		12	13,568	-	13,568	6,041	7,527

単位 Unit : t

以外 primary steam その他 Others	消費 Consumption				払出 Shipments	Year, Quarter &Month
	計 Total	生産工費用 for Production	自家発電用 for Private power generation	その他用 for Others		
9,897,400	82,487,727	46,889,141	31,900,877	3,697,709	4,463,913	C.Y. 2017
8,704,775	84,704,167	48,836,906	30,889,609	4,977,652	4,497,401	C.Y. 2018
9,239,162	85,142,674	46,725,557	32,946,433	5,470,684	4,178,446	C.Y. 2019
8,533,609	78,394,288	44,454,412	28,655,347	5,284,529	3,903,587	C.Y. 2020
8,115,807	73,072,597	41,461,476	26,865,674	4,745,447	3,714,981	C.Y. 2021
9,146,045	82,817,704	45,763,324	31,777,374	5,277,006	4,142,079	F.Y. 2019
8,475,685	76,985,895	43,862,509	27,974,576	5,148,810	3,740,314	F.Y. 2020
2,322,492	19,754,819	11,181,085	7,328,076	1,245,658	923,645	Q1 2021
2,068,100	15,859,542	9,780,754	4,961,586	1,117,202	846,036	Q2
1,904,009	19,115,656	10,425,244	7,379,934	1,310,478	1,000,824	Q3
1,821,206	18,342,580	10,074,393	7,196,078	1,072,109	944,476	Q4
813,777	7,300,530	4,144,112	2,701,058	455,360	360,078	Jan. 2021
729,555	6,153,294	3,470,545	2,268,571	414,178	270,485	Feb.
779,160	6,300,995	3,566,428	2,358,447	376,120	293,082	Mar.
730,209	5,316,321	3,427,929	1,605,065	283,327	286,704	Apr.
668,514	5,164,219	3,244,588	1,491,639	427,992	277,286	May
669,377	5,379,002	3,108,237	1,864,882	405,883	282,046	Jun.
698,901	6,107,802	3,295,139	2,413,715	398,948	331,621	Jul.
733,666	6,974,906	3,860,333	2,633,521	481,052	357,490	Aug.
471,442	6,032,948	3,269,772	2,332,698	430,478	311,713	Sep.
608,338	5,509,540	3,230,328	2,027,030	252,182	314,732	Oct.
580,032	5,838,981	3,206,204	2,263,216	369,561	314,444	Nov.
632,836	6,994,059	3,637,861	2,905,832	450,366	315,300	Dec.
2,966,166	51,510,972	9,347,869	41,554,521	608,582	974,741	C.Y. 2017
2,788,961	51,445,847	9,219,549	41,673,553	552,745	982,637	C.Y. 2018
2,738,614	50,940,530	9,171,652	41,242,860	526,018	980,192	C.Y. 2019
2,697,295	49,926,185	8,739,257	40,688,250	498,678	849,408	C.Y. 2020
2,723,296	48,649,674	8,816,231	39,404,349	429,094	995,917	C.Y. 2021
2,745,248	51,359,637	9,072,309	41,764,950	522,378	956,067	F.Y. 2019
2,657,372	49,033,944	8,670,278	39,905,268	458,398	874,457	F.Y. 2020
695,334	12,425,828	2,308,607	10,019,144	98,077	277,298	Q1 2021
678,315	10,545,613	2,025,633	8,423,608	96,372	195,131	Q2
763,247	12,837,269	2,162,678	10,546,249	128,342	263,729	Q3
586,400	12,840,964	2,319,313	10,415,348	106,303	259,759	Q4
243,003	4,357,712	848,401	3,474,090	35,221	93,917	Jan. 2021
203,106	3,783,264	663,449	3,091,934	27,881	89,237	Feb.
249,225	4,284,852	796,757	3,453,120	34,975	94,144	Mar.
198,283	3,993,577	809,668	3,175,804	8,105	84,609	Apr.
236,628	3,406,008	644,123	2,717,587	44,298	48,086	May
243,404	3,146,028	571,842	2,530,217	43,969	62,436	Jun.
264,700	4,135,388	693,912	3,388,278	53,198	88,737	Jul.
254,519	4,485,266	765,328	3,675,977	43,961	87,418	Aug.
244,028	4,216,615	703,438	3,481,994	31,183	87,574	Sep.
125,882	4,128,569	702,017	3,393,393	33,159	88,030	Oct.
221,165	4,185,590	782,797	3,371,168	31,625	80,522	Nov.
239,353	4,526,805	834,499	3,650,787	41,519	91,207	Dec.
1,460	189,720	172,167	-	17,553	-	C.Y. 2017
1,464	175,571	158,167	-	17,404	-	C.Y. 2018
360	169,232	154,253	-	14,979	-	C.Y. 2019
-	132,461	118,575	-	13,886	-	C.Y. 2020
-	131,199	118,220	-	12,979	-	C.Y. 2021
-	158,240	143,598	-	14,642	-	F.Y. 2019
-	123,997	111,279	-	12,718	-	F.Y. 2020
-	30,084	27,638	-	2,446	-	Q1 2021
-	31,936	28,455	-	3,481	-	Q2
-	31,649	28,309	-	3,340	-	Q3
-	37,530	33,818	-	3,712	-	Q4
-	9,704	9,105	-	599	-	Jan. 2021
-	9,221	8,567	-	654	-	Feb.
-	11,159	9,966	-	1,193	-	Mar.
-	10,317	9,341	-	976	-	Apr.
-	11,029	9,790	-	1,239	-	May
-	10,590	9,324	-	1,266	-	Jun.
-	10,667	9,447	-	1,220	-	Jul.
-	10,576	9,318	-	1,258	-	Aug.
-	10,406	9,544	-	862	-	Sep.
-	11,708	10,435	-	1,273	-	Oct.
-	12,254	10,959	-	1,295	-	Nov.
-	13,568	12,424	-	1,144	-	Dec.

⑧ 鉄鋼業			Iron and steel industry				
			受入及び蒸気発生 Receipts and Product of steam				
年 月			計 Total	受入 Receipts	蒸気発生 Generation		
					計 Total	一次蒸気 Primary steam	一次蒸気 Other than
			コージェネレーション Co-generation				
平成	29	年	88,901,273	4,518,536	84,382,737	56,347,649	2,228,791
	30		86,421,976	4,429,297	81,992,679	54,927,656	1,632,280
令和	1	年	86,237,294	4,382,540	81,854,754	56,045,733	1,003,274
	2		78,761,457	4,192,534	74,568,923	49,991,134	377,612
	3		79,630,213	4,473,057	75,157,156	49,654,182	368,365
令和	1	年度	86,743,991	4,383,183	82,360,808	56,146,124	661,269
	2		77,689,222	4,236,572	73,452,650	49,182,062	325,598
3	年	1～3月	20,926,649	1,207,815	19,718,834	13,209,203	94,567
		4～6	19,267,903	1,082,014	18,185,889	11,793,265	72,499
		7～9	19,872,358	1,044,940	18,827,418	12,341,714	81,323
		10～12	19,563,303	1,138,288	18,425,015	12,310,000	119,976
3	年	1月	7,247,063	429,680	6,817,383	4,571,031	31,399
		2	6,574,847	336,118	6,238,729	4,248,698	29,237
		3	7,104,739	442,017	6,662,722	4,389,474	33,931
		4	6,415,364	398,610	6,016,754	3,843,207	26,220
		5	6,455,536	350,973	6,104,563	3,985,969	23,953
		6	6,397,003	332,431	6,064,572	3,964,089	22,326
		7	6,623,502	350,173	6,273,329	4,104,422	26,569
		8	6,722,792	373,811	6,348,981	4,191,797	27,930
		9	6,526,064	320,956	6,205,108	4,045,495	26,824
		10	6,592,667	335,246	6,257,421	4,206,933	27,276
		11	6,230,938	386,172	5,844,766	3,857,179	23,192
		12	6,739,698	416,870	6,322,828	4,245,888	69,508
⑨ 非鉄金属地金工業			Non-ferrous metals industry				
平成	29	年	3,565,479	411,517	3,153,962	357,254	6,188
	30		3,680,241	430,527	3,249,714	349,105	6,137
令和	1	年	3,724,013	437,878	3,286,135	381,039	4,752
	2		3,739,747	438,659	3,301,088	346,337	10,152
	3		3,646,433	474,497	3,171,936	355,092	2,017
令和	1	年度	3,736,870	435,921	3,300,949	370,934	5,845
	2		3,709,740	441,371	3,268,369	354,777	10,180
3	年	1～3月	921,691	125,167	796,524	97,039	1,202
		4～6	932,103	116,556	815,547	81,865	15
		7～9	918,214	104,813	813,401	75,317	62
		10～12	874,425	127,961	746,464	100,871	738
3	年	1月	324,928	42,767	282,161	33,598	975
		2	290,413	41,666	248,747	34,011	187
		3	306,350	40,734	265,616	29,430	40
		4	307,377	42,390	264,987	25,424	-
		5	317,339	38,864	278,475	27,833	-
		6	307,387	35,302	272,085	28,608	15
		7	323,029	35,309	287,720	28,948	59
		8	326,477	37,097	289,380	29,761	3
		9	268,708	32,407	236,301	16,608	-
		10	297,399	43,024	254,375	23,986	55
		11	273,714	43,167	230,547	36,606	180
		12	303,312	41,770	261,542	40,279	503

単位 Unit : t

	消費 Consumption				抽出 Shipments	Year, Quarter & Month
	計 Total	生産工費用 for Production	自家発電用 for Private power generation	その他用 for Others		
以外 primary steam						
その他 Others						
25,806,297	85,564,931	24,856,947	45,415,640	15,292,344	3,336,342	C.Y. 2017
25,432,743	83,045,093	24,511,194	43,475,441	15,058,458	3,376,883	C.Y. 2018
24,805,747	82,935,515	24,566,188	43,515,860	14,853,467	3,301,779	C.Y. 2019
24,200,177	75,890,547	20,546,669	40,497,278	14,846,600	2,870,910	C.Y. 2020
25,134,609	76,504,081	21,349,351	40,264,813	14,889,917	3,126,132	C.Y. 2021
25,553,415	83,526,063	23,986,405	44,169,895	15,369,763	3,217,928	F.Y. 2019
23,944,990	74,820,722	20,223,283	40,084,961	14,512,478	2,868,500	F.Y. 2020
6,415,064	20,042,975	5,532,489	10,602,474	3,908,012	883,674	Q1 2021
6,320,125	18,504,605	5,432,940	9,485,928	3,585,737	763,298	Q2
6,404,381	19,168,668	5,310,018	10,222,769	3,635,881	703,690	Q3
5,995,039	18,787,833	5,073,904	9,953,642	3,760,287	775,470	Q4
2,214,953	6,945,020	1,873,528	3,750,916	1,320,576	302,043	Jan. 2021
1,960,794	6,298,216	1,701,586	3,355,547	1,241,083	276,631	Feb.
2,239,317	6,799,739	1,957,375	3,496,011	1,346,353	305,000	Mar.
2,147,327	6,152,016	1,810,209	3,102,338	1,239,469	263,348	Apr.
2,094,641	6,198,022	1,852,344	3,208,452	1,137,226	257,514	May
2,078,157	6,154,567	1,770,387	3,175,138	1,209,042	242,436	Jun.
2,142,338	6,405,145	1,727,589	3,440,355	1,237,201	218,357	Jul.
2,129,254	6,476,471	1,796,389	3,461,577	1,218,505	246,321	Aug.
2,132,789	6,287,052	1,786,040	3,320,837	1,180,175	239,012	Sep.
2,023,212	6,345,172	1,676,307	3,417,845	1,251,020	247,495	Oct.
1,964,395	5,980,690	1,647,898	3,140,559	1,192,233	250,248	Nov.
2,007,432	6,461,971	1,749,699	3,395,238	1,317,034	277,727	Dec.
2,790,520	3,356,114	1,518,241	333,530	1,504,343	209,365	C.Y. 2017
2,894,472	3,475,658	1,526,997	337,075	1,611,586	204,583	C.Y. 2018
2,900,344	3,525,513	1,526,278	367,568	1,631,667	198,500	C.Y. 2019
2,944,599	3,546,893	1,576,966	334,490	1,635,437	192,854	C.Y. 2020
2,814,827	3,587,898	1,509,445	357,547	1,720,906	58,535	C.Y. 2021
2,924,170	3,533,587	1,537,012	354,414	1,642,161	203,283	F.Y. 2019
2,903,412	3,562,441	1,560,839	343,432	1,658,170	147,299	F.Y. 2020
698,283	913,250	407,752	88,220	417,278	8,441	Q1 2021
733,667	930,721	361,894	90,971	477,856	1,382	Q2
738,022	901,289	343,531	81,328	476,430	16,925	Q3
644,855	842,638	396,268	97,028	349,342	31,787	Q4
247,588	317,162	143,896	29,940	143,326	7,766	Jan. 2021
214,549	290,063	132,963	28,253	128,847	350	Feb.
236,146	306,025	130,893	30,027	145,105	325	Mar.
239,563	306,714	122,927	30,696	153,091	663	Apr.
250,642	316,981	122,789	31,331	162,861	358	May
243,462	307,026	116,178	28,944	161,904	361	Jun.
258,713	322,712	116,707	31,051	174,954	317	Jul.
259,616	324,636	114,760	32,702	177,174	1,841	Aug.
219,693	253,941	112,064	17,575	124,302	14,767	Sep.
230,334	286,424	124,346	31,722	130,356	10,975	Oct.
193,761	267,815	122,330	34,296	111,189	5,899	Nov.
220,760	288,399	149,592	31,010	107,797	14,913	Dec.

3. 指定生産品目別統計 Statistics by specified products

(1) 指定生産品目別エネルギー消費(令和3年) Energy consumption by specified products

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	パルプ・紙・板紙工業 Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard			その他の紙 製品 Other paper products	その他の 製 品 Others		
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算)	kl	7,097,875	6,964,514	2,338,510	2,988,887	1,637,118	30,916	102,446	1,372,788
石 油 系 燃 料 (原 油 換 算)	〃	324,282	314,588	276,276	35,890	2,422	5,888	3,806	47,344
ガ ソ リ ン	〃	80	59	23	36	-	-	21	56
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	4,290	3,732	226	3,455	51	355	203	1,725
軽 油	〃	3,580	3,225	1,860	790	575	75	280	89
重 油 計	〃	220,193	211,947	204,556	6,251	1,140	5,032	3,214	38,256
A 重 油	〃	6,549	3,310	93	2,105	1,112	25	3,214	4,962
B・C 重 油	〃	213,644	208,637	204,463	4,146	28	5,007	-	33,294
炭 化 水 素 油	〃	13,645	13,645	13,645	-	-	-	-	-
液 化 石 油 ガ ス	t	16,457	16,351	99	16,026	226	36	70	3,579
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	26,079	26,079	22,946	3,133	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	20,645	20,645	18,569	1,721	355	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	〃	93,133	91,119	14,125	66,892	10,102	746	1,268	89,642
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	4,668	4,668	4,668	-	-	-	-	-
天 然 ガ ス	1000m ³	3,918	3,918	-	3,918	-	-	-	-
液 化 天 然 ガ ス	t	12,081	12,081	5,878	3,885	2,318	-	-	742
都 市 ガ ス (A)	1000m ³	56,883	55,073	2	49,278	5,793	645	1,165	76,721
都 市 ガ ス (B)	〃	62,089	60,193	2	53,764	6,427	702	1,194	83,420
回 収 黒 液 材	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	5,246	5,246	5,246	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	24,270,244	23,312,336	6,453,978	11,155,034	5,703,324	137,224	820,684	5,498,934
蒸 気	t	63,985,410	63,514,556	20,944,854	26,741,735	15,827,967	166,617	304,237	10,478,264

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	10,459,126	10,207,502	3,465,888	4,514,839	2,226,776	37,088	214,536	1,976,018
石 油 系 燃 料 (原 油 換 算)	〃	868,241	837,469	444,583	291,582	101,304	7,158	23,615	396,566
ガ ソ リ ン	〃	80	59	23	36	-	-	21	56
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	5,994	5,397	541	3,864	992	380	217	2,156
軽 油	〃	3,725	3,262	1,860	792	610	78	385	154
重 油 計	〃	627,604	602,569	316,189	194,270	92,110	5,642	19,393	170,264
A 重 油	〃	62,655	53,355	3,778	35,021	14,555	405	8,895	21,351
B・C 重 油	〃	564,950	549,214	312,411	159,249	77,555	5,237	10,499	148,913
炭 化 水 素 油	〃	43,216	41,058	25,571	15,486	-	-	2,159	298
液 化 石 油 ガ ス	t	22,536	21,957	99	21,632	226	509	70	4,124
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	98,219	98,219	60,554	37,665	-	-	-	239,851
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	26,275	25,879	21,480	3,360	1,039	-	397	-
非 石 油 系 燃 料 (原 油 換 算)	〃	9,098,884	8,902,208	2,960,279	3,954,279	1,987,649	18,386	178,290	1,281,905
石 炭	t	4,443,924	4,434,588	1,448,954	1,966,496	1,019,138	4,409	4,927	1,174,176
石 炭 コ ー ク ス	〃	4,668	4,668	4,668	-	-	-	-	-
天 然 ガ ス	1000m ³	75,632	75,632	19,738	51,496	4,398	-	-	-
液 化 天 然 ガ ス	t	91,972	89,329	5,878	11,894	71,557	2,643	-	12,647
都 市 ガ ス (A)	1000m ³	706,331	649,107	5,145	222,387	421,576	9,432	47,792	409,425
都 市 ガ ス (B)	〃	761,294	699,521	5,633	235,467	458,421	9,622	52,150	444,573
回 収 黒 液 材	絶乾(Dry)t	10,406,244	10,160,836	4,486,928	5,156,851	517,057	1,945	243,463	-
廃 材	〃	1,827,088	1,790,274	450,790	587,476	752,008	1,671	35,143	-
廃 タ イ ヤ	t	219,286	211,613	78,470	82,679	50,464	-	7,673	-
廃 プ ラ ス チ ッ ク	〃	46,729	46,661	16,477	27,742	2,442	-	68	-
R P F	〃	560,379	543,150	126,884	202,806	213,459	52	17,177	-
電 力	1000kWh	4,766,017	4,538,656	656,021	2,450,783	1,431,851	91,581	135,780	2,282,606
蒸 気	t	703,836	660,074	-	593,123	66,951	43,762	-	1,232,785

注 1. 原油換算値は38.2MJ/1である。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(C.Y.2021)

Chemical fibers industry			石油製品 Petroleum products industry			ガラス製品 Glass products industry			Kind of energy
化学繊維 Chemical fibers	その他の 繊維製品 Other textiles	その他の 製品 Others	工業	石油製品 Petroleum	その他の 製品 Others	工業	ガラス製品 Glass	その他の 製品 Others	
428,289	8,481	936,018	11,401,574	11,333,167	68,407	481,443	468,632	12,811	Total
12,844	155	34,345	7,327,497	7,326,630	867	49,449	48,327	1,123	(Crude petroleum equivalent) Oil based fuels
12	-	44	186	138	48	-	-	-	(Crude petroleum equivalent) Gasoline
-	-	-	175,102	175,102	-	-	-	-	Naphtha
770	-	955	1,382	1,329	53	83	62	21	Kerosene
25	-	64	2,987	2,597	390	33	33	-	Gas oil
11,049	-	27,207	279,199	279,199	-	40,802	39,705	1,097	Heavy fuel oil total
412	-	4,550	45,213	45,213	-	3,128	2,031	1,097	Heavy fuel oil A
10,637	-	22,657	233,986	233,986	-	37,674	37,674	-	Heavy fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
139	120	3,320	179,926	179,926	-	561	561	-	Liquefied petroleum gas
-	-	-	5,039,596	5,039,298	298	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	4,598	4,598	-	Reproduction oil (Oil origin)
6,042	118	83,482	242,113	242,113	-	309,816	307,883	1,933	Non-oil based fuels
-	-	-	-	-	-	-	-	-	(Crude petroleum equivalent) Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	59,918	59,918	-	-	-	-	Natural gas
742	-	-	124,695	124,695	-	64,407	64,407	-	Liquefied natural gas
4,336	100	72,285	55	55	-	190,067	188,405	1,662	Town gas(A)
4,702	111	78,607	59	59	-	206,005	204,185	1,820	Town gas(B)
...	...	...	...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
1,440,922	48,840	4,009,172	10,385,432	9,750,943	634,489	1,225,566	1,120,690	104,876	Electricity
3,983,758	53,019	6,441,487	41,461,476	41,338,250	123,226	118,220	118,220	-	Steam

535,311	9,947	1,430,760	12,193,139	12,051,302	141,837	496,259	483,448	12,811	Total
124,199	2,786	269,581	11,177,032	11,052,137	124,894	49,658	48,535	1,123	(Crude petroleum equivalent) Oil based fuels
12	-	44	186	138	48	-	-	-	(Crude petroleum equivalent) Gasoline
-	-	-	175,969	175,861	108	-	-	-	Naphtha
770	-	1,386	85,344	78,565	6,778	107	86	21	Kerosene
30	-	124	2,987	2,597	390	33	33	-	Gas oil
57,328	1,269	111,667	1,277,553	1,255,102	22,451	40,987	39,890	1,097	Heavy fuel oil total
7,368	908	13,075	149,141	147,986	1,155	3,313	2,216	1,097	Heavy fuel oil A
49,960	361	98,593	1,128,412	1,107,117	21,295	37,674	37,674	-	Heavy fuel oil B・C
257	-	42	70,739	70,739	-	-	-	-	Hydrocarbon oil
161	120	3,842	269,647	263,324	6,323	561	561	-	Liquefied petroleum gas
-	-	-	6,589,182	6,550,278	38,905	-	-	-	Hydrocarbon gas
71,579	1,543	166,728	287,531	275,977	11,554	-	-	-	Petroleum coke
-	-	-	213,136	189,505	23,631	-	-	-	Asphalt
-	-	-	-	-	-	4,598	4,598	-	Reproduction oil (Oil origin)
248,790	1,115	1,032,000	501,681	498,474	3,207	341,210	339,277	1,933	Non-oil based fuels
249,013	-	925,162	277,128	274,277	2,852	-	-	-	(Crude petroleum equivalent) Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	61,897	61,897	-	-	-	-	Natural gas
10,178	-	2,469	171,389	171,389	-	67,814	67,814	-	Liquefied natural gas
57,549	974	350,902	3,920	2,816	1,104	212,952	211,290	1,662	Town gas(A)
62,584	1,050	380,939	4,292	3,083	1,209	231,032	229,212	1,820	Town gas(B)
...	...	...	...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
954,412	41,296	1,286,898	2,370,521	2,292,113	78,408	1,132,955	1,028,083	104,872	Electricity
1,063,906	31,897	136,982	4,252,122	4,158,920	93,202	-	-	-	Steam

Notes 1. Crude petroleum conversion rate is 38.2MJ/l.

2. Figures of Town gas (A) are simple total. Conversion rate for town gas (B) is 41.1MJ/m³.

1) 直接投入エネルギー表(つづき) Table of direct input energy (continued)

種別	単位 Unit	化学工業 Chemical industry				
		化学工業製品 Chemical products	石油化学製品 Petrochemical products			動力・燃料用 for Driving power, fuels
			原料用 as Materials			
合計(原油換算)	kl	72,067,160	60,216,483	58,115,912	46,486,476	11,629,436
石油系燃料(原油換算)	〃	53,290,250	52,611,349	52,189,239	46,447,964	5,741,274
原油	〃	-	-	-	-	-
NGL・コンデンセート	〃	123,237	123,207	123,207	123,207	-
ガソリン	〃	198	27	27	-	27
ナフサ	〃	30,847,139	30,744,065	30,744,065	30,744,065	-
改質生成油	〃	15,101,547	15,101,547	15,101,547	15,101,547	-
灯油	〃	675,338	640,523	640,523	638,309	2,214
軽油	〃	156,955	153,553	153,553	153,541	12
重油計	〃	547,997	443,205	443,205	421,679	21,526
A重油	〃	19,334	5,070	5,070	-	5,070
B・C重油	〃	528,663	438,135	438,135	421,679	16,456
炭化水素油	〃	404,971	354,277	354,277	260,469	93,808
液化石油ガス	t	4,477,340	4,272,138	4,271,212	4,041,180	230,032
石油系炭化水素ガス	1000m ³	4,130,176	4,103,832	4,055,502	17,401	4,038,101
オイルコークス	t	516,919	415,772	624	624	-
アスファルト	〃	-	-	-	-	-
再生油(石油由来)	kl	1,873	-	-	-	-
非石油系燃料(原油換算)	〃	9,287,343	650,785	317,191	38,512	278,680
石炭	t	10,518,392	600	-	-	-
タール	〃	153,372	30,422	-	-	-
コークス	〃	418,767	-	-	-	-
コークス炉ガス	1000m ³	1,167,665	13,270	1,571	-	1,571
高転炉ガス	〃	1,285,737	-	-	-	-
天燃ガ	〃	-	-	-	-	-
液天然ガス	t	152,962	67,694	65,972	-	65,972
都市ガス(A)	1000m ³	365,714	293,626	126,785	27,247	99,538
都市ガス(B)	〃	171,205	84,047	56,283	-	56,283
廃プラ	t	181,576	90,004	60,936	-	60,936
RPF	〃	-	-	-	-	-
電力	1000kWh	35,717,083	23,321,631	12,731,999	-	12,731,999
電蒸	t	89,220,469	69,224,472	64,019,359	-	64,019,359

2) 一次投入燃料換算表(つづき) Conversion table for primary input fuel (continued)

合計(原油換算)	kl	73,219,208	60,182,766	57,466,286	46,486,476	10,979,810
石油系燃料(原油換算)	〃	55,647,269	54,514,465	53,934,629	46,447,964	7,486,665
原油	〃	-	-	-	-	-
NGL・コンデンセート	〃	123,477	123,434	123,207	123,207	-
ガソリン	〃	198	27	27	-	27
ナフサ	〃	30,847,139	30,744,065	30,744,065	30,744,065	-
改質生成油	〃	15,101,547	15,101,547	15,101,547	15,101,547	-
灯油	〃	678,718	643,689	643,641	638,309	5,332
軽油	〃	156,956	153,554	153,554	153,541	13
重油計	〃	921,110	739,440	709,057	421,679	287,378
A重油	〃	45,088	23,418	17,569	-	17,569
B・C重油	〃	876,022	716,022	691,487	421,679	269,808
炭化水素油	〃	876,909	807,692	806,157	260,469	545,688
液化石油ガス	t	4,515,539	4,309,286	4,307,578	4,041,180	266,398
石油系炭化水素ガス	1000m ³	4,914,226	4,724,214	4,648,278	17,401	4,630,877
オイルコークス	t	936,523	678,464	163,231	624	162,607
アスファルト	〃	-	-	-	-	-
再生油(石油由来)	kl	22,093	20,220	20,220	-	20,220
非石油系燃料(原油換算)	〃	14,009,625	3,016,909	1,435,554	38,512	1,397,042
石炭	t	15,784,325	2,353,689	729,350	-	729,350
タール	〃	153,372	30,422	-	-	-
コークス	〃	418,767	-	-	-	-
コークス炉ガス	1000m ³	1,207,957	23,337	4,239	-	4,239
高転炉ガス	〃	1,285,737	-	-	-	-
天燃ガ	〃	-	-	-	-	-
液天然ガス	t	444,881	164,130	96,500	-	96,500
都市ガス(A)	1000m ³	615,746	512,767	318,229	27,247	290,982
都市ガス(B)	〃	475,615	291,251	233,270	-	233,270
廃プラ	t	494,582	297,530	236,352	-	236,352
RPF	〃	154,345	147,973	144,275	-	144,275
電力	1000kWh	87,385	47,119	-	-	-
電蒸	t	15,669	15,669	15,669	-	15,669
	〃	17,923,939	12,098,107	6,794,744	-	6,794,744
	t	27,415,094	22,076,888	21,180,605	-	21,180,605

アンモニア及び アンモニア誘導品 Ammonia and ammonia -derived products	原料用 as Materials	動力・燃料用等 for Driving power, fuels	ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
980,513	581,708	398,805	1,120,057	11,850,677	Total
422,110	357,220	64,889	-	678,902	(Crude petroleum equivalent)
-	-	-	-	-	Oil based fuels
-	-	-	-	-	(Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	30	Natural gas liquids
-	-	-	-	171	Gasoline
-	-	-	-	103,074	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	-	34,815	Kerosene
-	-	-	-	3,402	Gas oil
-	-	-	-	104,792	Heavy fuel oil total
-	-	-	-	14,264	Heavy fuel oil A
-	-	-	-	90,528	Heavy fuel oil B・C
-	-	-	-	50,694	Hydrocarbon oil
926	-	926	-	205,202	Liquefied petroleum gas
48,330	-	48,330	-	26,344	Hydrocarbon gas
415,148	415,148	-	-	101,147	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	1,873	Reproduction oil (Oil origin)
307,212	224,488	82,725	26,381	8,636,559	Non-oil based fuels
600	600	-	-	10,517,792	(Crude petroleum equivalent)
-	-	-	-	122,950	Coal
-	-	-	30,422	418,767	Coal coke
-	-	-	-	418,767	Tar
11,699	-	11,699	-	1,154,395	Coke oven gas
-	-	-	-	1,285,737	Blast furnace gas
-	-	-	-	-	Converter furnace gas
545	545	-	1,177	85,268	Natural gas
166,092	132,875	33,217	749	72,088	Liquefied natural gas
26,629	-	26,629	1,135	87,158	Town gas(A)
27,907	-	27,907	1,161	91,574	Town gas(B)
-	-	-	-	-	Used tires
47,119	47,119	-	-	40,266	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
884,928	-	884,928	9,704,704	12,395,452	Electricity
2,443,124	-	2,443,124	2,761,989	19,995,997	Steam
1,016,295	581,708	434,587	1,700,184	13,036,443	Total
496,334	357,220	139,114	83,502	1,132,805	(Crude petroleum equivalent)
-	-	-	-	-	Oil based fuels
-	-	-	-	-	(Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	227	43	Natural gas liquids
-	-	-	-	171	Gasoline
-	-	-	-	103,074	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	-	48	Kerosene
-	-	-	-	3,402	Gas oil
17,186	-	17,186	13,198	181,670	Heavy fuel oil total
594	-	594	5,255	21,670	Heavy fuel oil A
16,592	-	16,592	7,943	160,000	Heavy fuel oil B・C
587	-	587	948	69,217	Hydrocarbon oil
926	-	926	783	206,253	Liquefied petroleum gas
75,802	-	75,802	133	190,012	Hydrocarbon gas
437,109	415,148	21,961	78,124	258,059	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	1,873	Reproduction oil (Oil origin)
443,080	224,488	218,592	1,138,275	10,992,716	Non-oil based fuels
112,915	600	112,315	1,511,425	13,430,636	(Crude petroleum equivalent)
-	-	-	30,422	122,950	Coal
-	-	-	-	418,767	Coal coke
-	-	-	-	418,767	Tar
19,098	-	19,098	-	1,184,620	Coke oven gas
-	-	-	-	1,285,737	Blast furnace gas
-	-	-	-	-	Converter furnace gas
38,288	545	37,743	29,341	280,751	Natural gas
175,951	132,875	43,076	18,587	102,980	Liquefied natural gas
27,399	-	27,399	30,582	184,364	Town gas(A)
28,712	-	28,712	32,466	197,051	Town gas(B)
-	-	-	3,698	6,372	Used tires
47,119	47,119	-	-	40,266	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
514,272	-	514,272	4,789,091	5,825,832	Electricity
420,159	-	420,159	476,124	5,338,206	Steam

1) 直接投入エネルギー表(つづき)

Table of direct input energy (continued)

種別	単位 Unit	窯業・土石製品工業 Ceramics, clay and stone products industry					
		窯業・土石製品 Ceramics, clay and stone products	セメント Cement			焼成用 for Sintering	その他用 for Others
			窯業・土石製品 Ceramics, clay and stone products	セメント Cement	セメント Cement		
合計(原油換算)	kl	7,488,086	5,880,831	4,782,449	4,119,709	662,740	
石油系燃料(原油換算)	"	1,557,447	1,422,678	916,817	895,745	21,072	
ガソリン	"	348	271	197	...	197	
灯油	"	15,061	8,538	2,563	2,126	437	
軽油	"	12,969	7,462	6,211	2,367	3,844	
重油計	"	387,185	363,954	29,922	16,982	12,940	
A重油	"	23,403	18,273	8,160	5,897	2,263	
B・C重油	"	363,782	345,681	21,762	11,085	10,677	
炭化水素油	"	219,965	219,965	210,680	208,543	2,137	
液化石油ガス	t	20,576	3,947	7	-	7	
オイルコークス	"	634,515	575,075	498,092	498,092	-	
アスファルト	"	-	-	-	-	-	
再生油(石油由来)	kl	302,057	277,256	221,482	220,817	665	
非石油系燃料(原油換算)	"	3,841,055	3,749,810	3,258,102	3,223,965	34,138	
石炭	t	4,456,039	4,432,298	4,286,914	4,279,283	7,631	
石炭コークス	"	203,782	135,587	2,333	2,333	-	
コークス炉ガス	1000m ³	282,586	282,586	1,523	-	1,523	
高炉ガス	"	22,282	22,282	983	-	983	
転炉ガス	"	211,288	211,288	33,780	-	33,780	
電気炉ガス	"	5,835	5,835	-	-	-	
天然ガス	"	17,430	17,430	-	-	-	
液化天然ガス	t	864	864	-	-	-	
都市ガス(A)	1000m ³	82,472	72,613	21,905	6,382	15,523	
都市ガス(B)	"	89,728	79,096	23,252	6,987	16,265	
廃材	絶乾(Dry) t	1,871	1,871	1,871	1,871	-	
廃タイヤ	t	66,565	66,565	66,565	66,565	-	
廃プラスチック	"	385,486	368,526	358,959	354,261	4,698	
RPF	"	29,706	29,706	3,774	3,774	-	
電力	1000kWh	15,912,078	7,008,393	6,143,793	...	6,143,793	
蒸気	t	8,816,231	815,956	521,027	...	521,027	

2) 一次投入燃料換算表(つづき)

Conversion table for primary input fuel (continued)

合計(原油換算)	kl	9,021,310	6,438,001	5,345,484	4,119,710	1,225,775
石油系燃料(原油換算)	"	1,734,620	1,592,336	1,076,317	895,745	180,572
ガソリン	"	348	271	197	-	197
灯油	"	16,692	10,169	2,563	2,126	437
軽油	"	12,969	7,462	6,211	2,367	3,844
重油計	"	404,390	375,137	32,773	16,982	15,791
A重油	"	30,954	25,150	9,375	5,897	3,478
B・C重油	"	373,436	349,987	23,398	11,085	12,313
炭化水素油	"	219,965	219,965	210,680	208,543	2,137
液化石油ガス	t	20,576	3,947	7	-	7
オイルコークス	"	817,625	756,952	679,916	498,092	181,824
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	302,113	277,312	221,538	220,817	721
非石油系燃料(原油換算)	"	6,849,637	4,548,900	4,053,156	3,223,965	829,191
石炭	t	8,737,139	5,516,546	5,368,441	4,279,283	1,089,158
石炭コークス	"	203,782	135,587	2,333	2,333	-
コークス炉ガス	1000m ³	282,586	282,586	1,523	-	1,523
高炉ガス	"	22,282	22,282	983	-	983
転炉ガス	"	211,288	211,288	33,780	-	33,780
電気炉ガス	"	5,835	5,835	-	-	-
天然ガス	"	113,768	75,352	57,241	-	57,241
液化天然ガス	t	864	864	-	-	-
都市ガス(A)	1000m ³	86,503	73,982	21,905	6,382	15,523
都市ガス(B)	"	93,662	80,449	23,254	6,988	16,267
廃材	絶乾(Dry) t	1,871	1,871	1,871	1,871	-
廃タイヤ	t	77,577	67,615	67,592	66,565	1,027
廃プラスチック	"	385,486	368,526	358,959	354,261	4,698
RPF	"	32,448	32,448	6,516	3,774	2,742
電力	1000kWh	4,630,920	3,158,587	2,316,132	-	2,316,132
蒸気	t	90,689	42,574	8,066	-	8,066

板ガラス		石灰		その他の製品	Kind of energy
Sheet glass	溶解窯用 for Dissolving furnaces	その他用 for Others	Lime			Others
333,967	283,294	50,673	764,416	1,607,255	Total
229,657	226,144	3,513	276,204	134,769	(Crude petroleum equivalent)
16	...	16	58	77	Oil based fuels
185	-	185	5,790	6,523	(Crude petroleum equivalent)
30	-	30	1,221	5,507	Gasoline
207,814	206,320	1,494	126,218	23,231	Kerosene
1,494	-	1,494	8,619	5,130	Gas oil
206,320	206,320	-	117,599	18,101	Heavy fuel oil total
-	-	-	9,285	-	Heavy fuel oil A
3,932	2,547	1,385	8	16,629	Heavy fuel oil B・C
-	-	-	76,983	59,440	Hydrocarbon oil
-	-	-	-	-	Liquefied petroleum gas
-	-	-	55,774	24,801	Petroleum coke
62,246	57,149	5,096	429,462	91,245	Asphalt
-	-	-	145,384	23,741	Reproduction oil (Oil origin)
-	-	-	133,254	68,195	Non-oil based fuels
-	-	-	281,063	-	(Crude petroleum equivalent)
-	-	-	21,299	-	Coal
-	-	-	177,508	-	Coal coke
9,520	9,520	-	5,835	-	Coke oven gas
537	-	537	7,910	-	Blast furnace gas
43,202	39,345	3,857	327	-	Converter furnace gas
48,052	43,968	4,084	7,506	9,859	Electric furnace gas
-	-	-	7,792	10,632	Natural gas
-	-	-	-	-	Liquefied natural gas
-	-	-	9,567	16,960	Town gas(A)
359,246	...	359,246	505,354	8,903,685	Town gas(B)
125,085	...	125,085	169,844	8,000,275	Waste material
-	-	-	25,932	-	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
-	-	-	-	-	Electricity
-	-	-	-	-	Steam
328,201	283,292	44,909	764,315	2,583,309	Total
231,766	226,144	5,622	284,253	142,285	(Crude petroleum equivalent)
16	-	16	58	77	Oil based fuels
682	-	682	6,924	6,523	(Crude petroleum equivalent)
30	-	30	1,221	5,507	Gasoline
209,334	206,320	3,014	133,030	29,253	Kerosene
1,510	-	1,510	14,265	5,804	Gas oil
207,824	206,320	1,504	118,765	23,449	Heavy fuel oil total
-	-	-	9,285	-	Heavy fuel oil A
3,932	2,547	1,385	8	16,629	Heavy fuel oil B・C
-	-	-	77,035	60,674	Hydrocarbon oil
-	-	-	-	-	Liquefied petroleum gas
-	-	-	55,774	24,801	Petroleum coke
62,822	57,148	5,674	432,922	2,300,737	Asphalt
-	-	-	148,104	3,220,593	Reproduction oil (Oil origin)
-	-	-	133,254	68,195	Non-oil based fuels
-	-	-	281,063	-	(Crude petroleum equivalent)
-	-	-	21,299	-	Coal
-	-	-	177,508	-	Coal coke
9,520	9,520	-	5,835	-	Coke oven gas
537	-	537	8,591	38,416	Blast furnace gas
43,725	39,345	4,380	327	12,521	Converter furnace gas
48,595	43,967	4,628	7,506	13,213	Electric furnace gas
-	-	-	7,792	10,632	Natural gas
-	-	-	-	-	Liquefied natural gas
-	-	-	9,567	16,960	Town gas(A)
348,182	-	348,182	494,273	1,472,333	Town gas(B)
17,708	-	17,708	16,800	48,115	Waste material
-	-	-	23	9,962	Used tires
-	-	-	9,567	16,960	Waste plastic
-	-	-	25,932	-	Refuse Paper & Plastic Fuel
-	-	-	-	-	Electricity
-	-	-	-	-	Steam

1) 直接投入エネルギー表(つづき) Table of direct input energy (continued)

種別	単位 Unit	鉄鋼業 Iron and steel industry								
		鉄鋼製品 Iron and steel products	焼結鉱用 for Sintering				ペレット用 for Pelletizing		製鋼用 for Steelmaking	
			焼結鉱用 for Sintering	ペレット用 for Pelletizing	銑鉄用 for Pig iron	フェロアロイ for Ferro-alloys	製鋼用 for Steelmaking	転炉 LD converters		
合計(原油換算)	kl	90,298,489	60,695,998	4,285,044	177,285	32,043,923	742,625	3,654,840	2,090,822	
石油系燃料(原油換算)	kl	1,262,776	967,354	840	1,526	250,185	31,712	100,432	77,835	
ガソリン	kl	1,462	501	-	-	-	-	-	-	
灯油	kl	84,342	82,367	-	-	-	550	8,726	363	
軽油	kl	25,112	20,864	-	-	33	561	1,745	1,734	
重油	kl	317,885	316,529	-	1,413	5,430	25,682	16,480	3,045	
A重油	kl	161,852	160,503	-	-	387	5,256	14,752	3,045	
B・C重油	kl	156,033	156,026	-	1,413	5,043	20,426	1,728	-	
炭化水素	kl	82,668	-	-	-	-	-	-	-	
液化石油ガス	t	239,043	227,479	-	-	4,669	1,711	56,681	56,180	
石油系炭化水素ガス	1000m ³	46	46	-	-	-	-	-	-	
オイルコークス	t	499,213	282,145	976	-	276,911	-	-	-	
アスファルト	kl	-	-	-	-	-	-	-	-	
再生油(石油由来)	kl	1,438	1,438	-	-	-	1,042	396	-	
非石油系燃料(原油換算)	kl	77,880,087	49,251,427	3,875,703	152,480	31,078,900	512,132	1,767,007	1,379,794	
コークス製造用炭	t	38,175,446	3,874,869	-	-	3,858,467	-	-	-	
石炭	kl	15,031,306	15,011,710	1,251,124	116,120	9,414,288	397,666	461,747	414,911	
石炭コークス	kl	28,231,878	28,064,467	3,833,881	85,690	23,586,315	302,525	201,529	50,111	
タークス	kl	106,444	-	-	-	-	-	-	-	
コークス炉ガス	1000m ³	9,382,188	7,608,457	269,540	18,977	1,005,980	3,035	366,861	352,064	
高炉ガス	kl	76,262,661	60,146,699	107,220	-	27,202,573	1,198	6,400	5,760	
転炉ガス	kl	4,490,510	3,882,418	15,435	-	1,090,088	2,507	20,833	19,551	
電気炉ガス	kl	80,266	80,266	-	-	-	6,052	-	-	
天然ガス	kl	23,895	23,842	-	-	-	-	2,709	-	
液化天然ガス	t	374,920	374,765	2	-	155	2,064	5,373	27	
都市ガス(A)	1000m ³	2,081,540	2,011,335	3,773	-	54,527	1,080	100,674	33,169	
都市ガス(B)	kl	2,273,995	2,197,192	4,129	-	59,712	1,178	109,909	36,398	
酸廃材	1000Nm ³	10,201,670	10,199,191	...	...	4,432,463	50,412	5,275,242	4,484,599
乾燥(Dry)絶乾	t	28,819	28,819	...	...	-	-	-	-
廃材	t	5,736	5,736	...	...	-	-	5,736	5,736
プラスチック	kl	224,655	36,443	...	...	30,406	334	5,703	5,703
RPF	kl	-	-	...	...	-	-	-	-
電力	1000kWh	63,076,197	59,009,466	4,256,247	239,511	5,022,200	2,111,927	16,734,167	4,609,912	
蒸気	t	76,504,081	72,162,323	181,867	14,450	3,582,918	33,595	3,338,112	2,956,591	

2) 一次投入燃料換算表(つづき) Conversion table for primary input fuel (continued)

合計(原油換算)	kl	81,721,792	52,050,437	4,421,234	202,129	32,388,362	790,534	3,928,915	2,302,307
石油系燃料(原油換算)	kl	1,224,895	918,108	9,984	2,168	277,411	67,091	119,580	93,749
ガソリン	kl	1,462	501	-	-	-	-	-	-
灯油	kl	84,048	82,070	-	-	-	561	9,411	363
軽油	kl	25,112	20,864	-	-	33	561	1,745	1,734
重油	kl	287,606	282,370	5,966	1,413	20,702	58,036	28,059	12,049
A重油	kl	144,952	142,936	772	-	2,571	6,353	20,066	5,785
B・C重油	kl	142,654	139,435	5,194	1,413	18,131	51,682	7,993	6,264
炭化水素	kl	82,668	-	-	-	-	-	-	-
液化石油ガス	t	234,280	217,138	2,131	496	13,085	2,101	61,620	61,119
石油系炭化水素ガス	1000m ³	46	46	-	-	-	-	-	-
オイルコークス	t	499,213	282,145	976	-	276,911	-	-	-
アスファルト	kl	-	-	-	-	-	-	-	-
再生油(石油由来)	kl	1,438	1,438	-	-	-	1,042	396	-
非石油系燃料(原油換算)	kl	75,893,776	46,845,486	4,140,741	198,180	31,783,208	558,352	2,418,268	1,919,372
コークス製造用炭	t	38,167,006	3,866,429	28	-	3,859,122	-	1,083	1,083
石炭	kl	13,693,966	13,487,024	1,303,032	132,246	9,637,899	409,243	789,801	651,359
石炭コークス	kl	28,231,878	28,064,467	3,833,881	85,690	23,586,315	302,525	201,529	50,111
タークス	kl	106,444	-	-	-	-	-	-	-
コークス炉ガス	1000m ³	8,997,488	7,111,150	360,553	29,495	1,187,211	10,594	510,931	488,850
高炉ガス	kl	68,987,509	50,830,510	1,640,358	301,293	31,237,788	225,294	2,744,521	2,693,041
転炉ガス	kl	4,081,771	3,391,221	92,592	4,460	1,246,172	5,884	161,223	151,065
電気炉ガス	kl	80,266	66,845	-	-	-	64,846	-	-
天然ガス	kl	23,895	23,842	-	-	-	-	2,709	-
液化天然ガス	t	361,772	359,870	1,157	-	1,373	2,064	12,828	2,297
都市ガス(A)	1000m ³	2,002,121	1,912,300	23,267	476	98,039	1,419	152,609	57,460
都市ガス(B)	kl	2,187,658	2,089,363	25,408	521	107,158	1,547	166,682	62,896
酸廃材	1000Nm ³	10,201,670	10,199,191	-	-	4,432,463	50,412	5,275,242	4,484,599
乾燥(Dry)絶乾	t	13,172	13,172	-	-	-	-	-	-
廃材	t	5,736	5,736	-	-	-	-	5,736	5,736
プラスチック	kl	224,655	36,443	-	-	30,406	334	5,703	5,703
RPF	kl	-	-	-	-	-	-	-	-
電力	1000kWh	46,159,824	43,264,347	2,865,723	12,456	3,157,369	1,755,919	14,665,327	2,839,602
蒸気	t	4,473,057	3,794,076	56,851	8,995	492,370	25,322	388,460	362,207

電気炉 Electric furnaces	鍛鋼用 for Steel forgings	鋳鋼用 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling (including Cold) and Pipes	発電・ボイラ・コー ジェネレーション用 Power generation, Boilers, Co-generation	その他の 鉄鋼製品 Others	コークス Coke	その他の製品 Others	Kind of energy
1,564,018	179,866	53,521	6,174,981	10,206,512	3,177,401	29,101,923	500,567	Total
22,597	25,383	23,644	166,405	225,923	141,304	273,997	21,425	(Crude petroleum equivalent) Oil based fuels
-	-	-	12	-	489	-	961	(Crude petroleum equivalent) Gasoline
8,363	6,200	10,078	37,221	1,945	17,647	18	1,957	Kerosene
11	566	115	161	-	17,683	261	3,987	Gas oil
13,435	17,378	5,506	56,238	156,986	31,416	-	1,356	Heavy fuel oil total
11,707	17,378	5,458	46,619	40,440	30,213	-	1,349	Heavy fuel oil A
1,728	-	48	9,619	116,546	1,203	-	7	Heavy fuel oil B・C
-	-	-	-	-	-	82,668	-	Hydrocarbon oil
501	1,168	6,552	56,995	44,461	55,242	1,158	10,406	Liquefied petroleum gas
-	-	-	46	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	4,258	217,068	-	Petroleum coke
-	-	-	-	-	-	-	-	Asphalt
396	-	-	-	-	-	-	-	Reproduction oil (Oil origin)
387,213	101,871	9,673	4,113,564	6,786,267	853,830	28,462,787	165,873	Non-oil based fuels
-	-	-	-	16,285	117	34,296,980	3,597	(Crude petroleum equivalent) Coal for making
46,836	-	-	-	3,370,641	124	...	19,596	Coal
151,418	-	27	-	-	54,500	163,513	3,898	Coal coke
-	-	-	-	-	-	106,434	10	Tar
14,797	5,634	344	4,078,828	1,515,577	343,681	1,711,685	62,046	Coke oven gas
640	3,470	-	1,645,643	29,405,683	1,774,512	16,092,526	23,436	Blast furnace gas
1,282	6,836	-	1,102,837	1,556,677	87,205	430,961	177,131	Converter furnace gas
-	-	-	-	74,214	-	-	-	Electric furnace gas
2,709	1,571	-	14,504	2,951	2,107	-	53	Natural gas
5,346	19,178	1,806	249,148	49,061	47,978	-	155	Liquefied natural gas
67,505	58,212	5,514	1,028,800	480,453	278,302	6,959	63,246	Town gas(A)
73,511	63,736	6,009	1,122,626	524,391	305,502	7,621	69,182	Town gas(B)
790,643	3,277	2,926	133,201	...	301,670	...	2,479	Oxygen
-	-	-	-	28,819	-	...	-	Waste material
-	-	-	-	...	-	...	-	Used tires
-	-	-	-	...	-	188,212	-	Waste plastic
-	-	-	-	...	-	...	-	Refuse Paper & Plastic Fuel
12,124,255	556,625	208,077	16,451,603	1,540,587	11,888,522	1,973,368	2,093,363	Electricity
381,521	12,057	12,257	5,275,208	44,139,872	15,571,987	2,626,834	1,714,924	Steam

1,626,609	181,241	53,699	6,696,487	-	3,387,836	29,047,222	624,133	Total
25,830	25,391	23,695	204,424	-	188,364	277,568	29,219	(Crude petroleum equivalent) Oil based fuels
-	-	-	12	-	489	-	961	(Crude petroleum equivalent) Gasoline
9,048	6,200	10,078	37,263	-	18,558	18	1,960	Kerosene
11	566	115	161	-	17,683	261	3,987	Gas oil
16,010	17,386	5,556	81,924	-	63,328	1,845	3,391	Heavy fuel oil total
14,280	17,386	5,508	52,932	-	37,347	9	2,007	Heavy fuel oil A
1,729	-	48	28,992	-	25,981	1,836	1,384	Heavy fuel oil B・C
-	-	-	-	-	-	82,668	-	Hydrocarbon oil
501	1,168	6,552	65,268	-	64,718	2,378	14,765	Liquefied petroleum gas
-	-	-	46	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	4,258	217,068	-	Petroleum coke
-	-	-	-	-	-	-	-	Asphalt
396	-	-	-	-	-	-	-	Reproduction oil (Oil origin)
498,896	104,084	9,995	5,366,910	-	2,265,747	28,621,308	426,982	Non-oil based fuels
-	-	-	212	-	5,984	34,296,980	3,597	(Crude petroleum equivalent) Coal for making
138,442	-	-	625,217	-	589,586	25,505	181,437	Coal
151,418	-	27	-	-	54,500	163,513	3,898	Coal coke
-	-	-	-	-	-	106,434	10	Tar
22,082	5,639	344	4,331,499	-	674,882	1,774,611	111,727	Coke oven gas
51,480	3,531	-	6,632,898	-	8,044,826	16,974,896	1,182,103	Blast furnace gas
10,159	6,836	-	1,410,744	-	463,309	484,114	206,436	Converter furnace gas
-	-	-	-	-	1,999	-	13,421	Electric furnace gas
2,709	1,571	-	17,049	-	2,513	-	53	Natural gas
10,531	20,723	1,806	258,562	-	61,357	1,099	803	Liquefied natural gas
95,149	58,232	5,790	1,161,487	-	410,980	18,934	70,888	Town gas(A)
103,785	63,757	6,312	1,267,531	-	450,447	20,730	77,565	Town gas(B)
790,643	3,277	2,926	133,201	-	301,670	-	2,479	Oxygen
-	-	-	6,021	-	7,152	-	-	Waste material
-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	188,212	-	Waste plastic
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
11,825,726	547,807	206,810	11,612,887	-	8,440,049	1,419,615	1,475,862	Electricity
26,253	11,671	11,165	649,355	-	2,149,887	235,661	443,321	Steam

1) 直接投入エネルギー表(つづき) Table of direct input energy (continued)

種別	単位 Unit	非鉄金属 地金工業 Non-ferrous metals industry							
		非鉄金属 地金工業	非鉄金属地金 Non-ferrous metals					鉛 Lead	鉛 Lead
			銅 Copper	銅 Copper		鉛 Lead	鉛 Lead		
				溶錬工程 Fusing and mixing process	電解工程 Electrolytic process				
合計(原油換算)	kl	1,135,287	990,707	340,234	258,528	81,706	80,443	72,481	
石油系燃料(原油換算)	"	231,481	205,450	70,420	70,417	3	8,879	4,769	
ガソリン	"	52	52	-	-	-	-	-	
灯油	"	14,998	3,735	789	786	3	1	1	
軽油	"	3,426	1,238	44	44	-	-	-	
重油計	"	119,693	113,256	53,589	53,589	-	5,977	2,965	
A重油	"	53,053	46,752	7,527	7,527	-	5,977	2,965	
B・C重油	"	66,640	66,504	46,062	46,062	-	-	-	
炭化水素油	"	41,798	36,477	4,701	4,701	-	-	-	
液化石油ガス	t	6,260	5,271	3,918	3,918	-	9	-	
オイルコークス	"	3,790	3,790	2,770	2,770	-	1,020	1,020	
アスファルト	"	-	-	-	-	-	-	-	
再生油(石油由来)	kl	32,779	32,779	-	-	-	1,907	876	
非石油系燃料(原油換算)	"	292,830	288,329	42,354	42,354	-	58,274	58,274	
石炭	t	53,032	53,032	51,358	51,358	-	1,527	1,527	
コークス	"	177,451	177,259	5,294	5,294	-	66,759	66,759	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	
高炉ガス	"	266,517	266,517	-	-	-	70,205	70,205	
転炉ガス	"	-	-	-	-	-	-	-	
天然ガス	"	1,419	1,419	-	-	-	-	-	
液化天然ガス	t	25,845	25,845	2,653	2,653	-	525	525	
都市ガス(A)	1000m ³	54,924	51,179	-	-	-	-	-	
都市ガス(B)	"	57,828	53,727	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	
RPF	"	-	-	-	-	-	-	-	
電蒸	1000kWh	5,446,384	4,472,686	1,772,550	1,095,905	676,645	129,253	89,005	
電蒸	t	1,509,445	1,169,890	905,247	633,849	271,398	18,321	16,763	

2) 一次投入燃料換算表(つづき) Conversion table for primary input fuel (continued)

合計(原油換算)	kl	1,056,428	918,925	268,804	205,590	63,214	81,060	73,065
石油系燃料(原油換算)	"	240,958	212,401	74,406	72,944	1,462	9,171	5,043
ガソリン	"	52	52	-	-	-	-	-
灯油	"	15,666	4,403	1,457	786	671	1	1
軽油	"	3,426	1,238	44	44	-	-	-
重油計	"	128,308	119,372	56,758	55,960	798	6,268	3,238
A重油	"	59,175	50,550	8,412	7,975	437	6,268	3,238
B・C重油	"	69,133	68,822	48,347	47,985	362	-	-
炭化水素油	"	41,798	36,477	4,701	4,701	-	-	-
液化石油ガス	t	6,260	5,271	3,918	3,918	-	9	-
オイルコークス	"	3,790	3,790	2,770	2,770	-	1,020	1,020
アスファルト	"	-	-	-	-	-	-	-
再生油(石油由来)	kl	32,779	32,779	-	-	-	1,907	876
非石油系燃料(原油換算)	"	308,954	299,262	42,354	42,354	-	60,297	60,297
石炭	t	53,032	53,032	51,358	51,358	-	1,527	1,527
コークス	"	177,451	177,259	5,294	5,294	-	66,759	66,759
コークス炉ガス	1000m ³	-	-	-	-	-	-	-
高炉ガス	"	390,682	351,881	-	-	-	89,214	89,214
転炉ガス	"	-	-	-	-	-	-	-
天然ガス	"	1,419	1,419	-	-	-	-	-
液化天然ガス	t	27,123	26,702	2,653	2,653	-	716	716
都市ガス(A)	1000m ³	57,354	52,733	-	-	-	-	-
都市ガス(B)	"	60,527	55,466	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-
RPF	"	-	-	-	-	-	-	-
電蒸	1000kWh	5,092,468	4,207,826	1,548,642	946,618	602,024	121,850	81,602
電蒸	t	474,497	229,116	115,518	32,334	83,184	3,712	1,934

電解工程 Electrolytic process	亜鉛 Zinc			アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others	Kind of energy
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
7,962	280,092	183,838	96,253	120,819	143,395	25,724	144,580	Total
4,110	11,854	5,617	6,237	22,889	87,224	4,184	26,032	(Crude petroleum equivalent)
-	12	12	-	40	-	-	-	Oil based fuels
-	68	68	-	2,025	787	65	11,263	(Crude petroleum equivalent)
-	95	95	-	184	911	4	2,188	Gasoline
3,012	8,415	5,170	3,245	18,979	24,584	1,712	6,437	Kerosene
3,012	5,393	2,148	3,245	4,191	21,952	1,712	6,301	Gas oil
-	3,022	3,022	-	14,788	2,632	-	136	Heavy fuel oil total
-	-	-	-	-	31,776	-	5,321	Heavy fuel oil A
9	20	20	-	447	821	56	989	Heavy fuel oil B・C
-	-	-	-	-	-	-	-	Hydrocarbon oil
-	-	-	-	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	-	-	Petroleum coke
1,031	2,864	-	2,864	-	25,769	2,239	-	Asphalt
-	108,373	26,339	82,034	33,889	43,012	2,426	4,501	Reproduction oil (Oil origin)
-	-	-	-	-	-	147	-	Non-oil based fuels
-	105,058	23,821	81,237	-	-	148	192	(Crude petroleum equivalent)
-	-	-	-	-	-	-	-	Coal
-	196,312	7,575	188,737	-	-	-	-	Coal coke
-	-	-	-	-	-	-	-	Coal coke
-	-	-	-	1,419	-	-	-	Coke oven gas
-	7,577	4,925	2,652	2,916	10,654	1,520	-	Blast furnace gas
-	696	696	-	23,928	26,495	60	3,745	Converter furnace gas
-	780	780	-	26,562	26,321	64	4,103	Natural gas
-	-	-	-	-	-	-	-	Liquefied natural gas
-	-	-	-	-	-	-	-	Town gas(A)
-	-	-	-	-	-	-	-	Town gas(B)
-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	Waste plastic
40,248	1,655,801	1,607,053	48,748	686,107	141,454	87,521	973,698	Refuse Paper & Plastic Fuel
1,558	84,446	34,570	49,876	3,144	-	158,732	339,555	Electricity
								Steam
7,995	282,147	184,151	97,996	120,961	143,395	22,557	137,503	Total
4,128	13,635	6,516	7,119	22,889	87,224	5,075	28,557	(Crude petroleum equivalent)
-	12	12	-	40	-	-	-	Oil based fuels
-	68	68	-	2,025	787	65	11,263	(Crude petroleum equivalent)
-	95	95	-	184	911	4	2,188	Gasoline
3,030	10,188	6,065	4,123	18,979	24,584	2,595	8,936	Kerosene
3,030	7,166	3,043	4,123	4,191	21,952	2,562	8,626	Gas oil
-	3,022	3,022	-	14,788	2,632	34	310	Heavy fuel oil total
-	-	-	-	-	31,776	-	5,321	Heavy fuel oil A
9	20	20	-	447	821	56	989	Heavy fuel oil B・C
-	-	-	-	-	-	-	-	Hydrocarbon oil
-	-	-	-	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	-	-	Petroleum coke
1,031	2,864	-	2,864	-	25,769	2,239	-	Asphalt
-	116,715	28,163	88,551	33,886	43,012	2,997	9,693	Reproduction oil (Oil origin)
-	-	-	-	-	-	147	-	Non-oil based fuels
-	105,058	23,821	81,237	-	-	148	192	(Crude petroleum equivalent)
-	-	-	-	-	-	-	-	Coal
-	257,997	8,016	249,982	-	-	4,670	38,800	Coal coke
-	-	-	-	-	-	-	-	Coke oven gas
-	-	-	-	1,419	-	-	-	Blast furnace gas
-	8,195	4,930	3,266	2,916	10,654	1,568	421	Converter furnace gas
-	2,191	2,191	-	23,928	26,495	119	4,621	Natural gas
-	2,453	2,453	-	26,559	26,321	132	5,061	Liquefied natural gas
-	-	-	-	-	-	-	-	Town gas(A)
-	-	-	-	-	-	-	-	Town gas(B)
-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	Waste plastic
40,248	1,631,817	1,606,821	24,995	686,107	141,454	77,957	884,642	Refuse Paper & Plastic Fuel
1,778	-	-	-	5,240	-	104,646	245,381	Electricity
								Steam

1) 直接投入エネルギー表 (つづき)

Table of direct input energy (continued)

種 別	単位 Unit	機械工業 Machinery industry			
			機械器具製品 Machinery products	土木建設機械 Civil engineering machinery	
				金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	
合計 (原油換算)	kl	3,427,215	2,511,467	45,447	67,407
石油系燃料 (原油換算)	"	201,439	120,044	6,690	15,004
ガソリン	"	44,553	25,636	-	22
灯油	"	26,118	13,410	148	2,019
軽油	"	26,492	6,137	3,006	39
重油計	"	30,601	19,211	23	12,374
A重油	"	30,594	19,204	23	12,374
B・C重油	"	7	7	-	-
炭化水素油	"	8	-	-	-
液化石油ガス	t	62,993	46,283	2,762	467
石油系炭化水素ガス	1000m ³	-	-	-	-
アスファルト	t	-	-	-	-
再生油 (石油由来)	kl	-	-	-	-
非石油系燃料 (原油換算)	"	674,690	425,472	10,907	7,492
石炭	t	-	-	-	-
石炭コークス	"	9,429	9,429	-	4
コークス炉ガス	1000m ³	-	-	-	-
天然ガス	"	9,523	9,523	-	-
液化天然ガス	t	39,550	13,528	-	1,304
都市ガス (A)	1000m ³	518,392	335,408	9,341	4,847
都市ガス (B)	"	566,154	366,122	10,270	5,316
廃タイヤ	t	-	-	-	-
廃プラスチック	"	-	-	-	-
RPF	"	-	-	-	-
電力	1000kWh	27,424,184	21,133,984	299,384	482,798

2) 一次投入燃料換算表 (つづき)

Conversion table for primary input fuel (continued)

合計 (原油換算)	kl	4,010,337	2,994,655	46,628	75,144
石油系燃料 (原油換算)	"	227,403	145,049	6,895	15,852
ガソリン	"	44,553	25,636	-	22
灯油	"	26,566	13,816	148	2,353
軽油	"	26,859	6,458	3,006	39
重油計	"	40,571	28,389	97	12,905
A重油	"	40,564	28,382	97	12,905
B・C重油	"	7	7	-	-
炭化水素油	"	8	-	-	-
液化石油ガス	t	74,703	57,933	2,863	467
石油系炭化水素ガス	1000m ³	-	-	-	-
アスファルト	t	-	-	-	-
再生油 (石油由来)	kl	-	-	-	-
非石油系燃料 (原油換算)	"	1,508,621	1,112,901	12,913	17,456
石炭	t	-	-	-	-
石炭コークス	"	9,429	9,429	-	4
コークス炉ガス	1000m ³	-	-	-	-
天然ガス	"	36,767	36,673	-	-
液化天然ガス	t	92,789	53,836	-	2,023
都市ガス (A)	1000m ³	1,145,834	852,965	11,047	12,542
都市ガス (B)	"	1,252,360	931,689	12,159	13,742
廃タイヤ	t	-	-	-	-
廃プラスチック	"	-	-	-	-
RPF	"	-	-	-	-
電力	1000kWh	24,448,874	18,669,579	288,316	449,728

電子部品 Parts for electronic equipment	電子管・半導体素子・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品(二輪自動車を含む) Automobiles (including motorcycles) and parts	その他の製品 Others	Kind of energy
287,635	737,146	54,144	1,319,689	915,748	Total
					(Crude petroleum equivalent)
3,139	6,071	475	88,665	81,395	Oil based fuels
					(Crude petroleum equivalent)
14	36	-	25,564	18,917	Gasoline
545	12	31	10,655	12,708	Kerosene
24	1	12	3,055	20,355	Gas oil
558	1,688	136	4,432	11,390	Heavy fuel oil total
558	1,688	136	4,425	11,390	Heavy fuel oil A
-	-	-	7	-	Heavy fuel oil B・C
-	-	-	-	8	Hydrocarbon oil
1,567	3,345	230	37,912	16,710	Liquefied petroleum gas
-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
11,988	16,440	1,908	376,736	249,218	Non-oil based fuels
					(Crude petroleum equivalent)
-	-	-	-	-	Coal
-	-	-	9,425	-	Coal coke
-	-	-	-	-	Coke oven gas
-	25	-	9,498	-	Natural gas
141	-	-	12,083	26,022	Liquefied natural gas
10,026	14,018	1,631	295,545	182,984	Town gas(A)
11,100	15,454	1,797	322,184	200,032	Town gas(B)
-	-	-	-	-	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
2,929,461	7,682,326	556,416	9,183,599	6,290,200	Electricity
358,309	869,763	54,316	1,590,495	1,015,682	Total
					(Crude petroleum equivalent)
11,715	14,226	475	95,886	82,353	Oil based fuels
					(Crude petroleum equivalent)
14	36	-	25,564	18,917	Gasoline
617	12	31	10,655	12,750	Kerosene
59	1	12	3,341	20,401	Gas oil
791	5,770	136	8,690	12,182	Heavy fuel oil total
791	5,770	136	8,683	12,182	Heavy fuel oil A
-	-	-	7	-	Heavy fuel oil B・C
-	-	-	-	8	Hydrocarbon oil
7,932	6,475	230	39,967	16,770	Liquefied petroleum gas
-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
98,375	210,504	2,237	771,416	395,720	Non-oil based fuels
					(Crude petroleum equivalent)
-	-	-	-	-	Coal
-	-	-	9,425	-	Coal coke
-	-	-	-	-	Coke oven gas
11,861	25	-	24,787	94	Natural gas
2,236	-	-	49,577	38,953	Liquefied natural gas
72,011	180,413	1,913	575,039	292,869	Town gas(A)
77,390	198,186	2,106	628,107	320,672	Town gas(B)
-	-	-	-	-	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
2,668,350	6,934,109	554,745	7,774,331	5,779,295	Electricity

(2) 指定生産品目別エネルギー消費量の推移 Trends of energy consumption by specified products

① パルプ・紙・板紙

Pulp,paper,paperboard

直接投入エネルギー表 Table of direct input energy

年 月	Pulp,paper,paperboard industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	7,838,122	338,789	104	6,982	3,476	241,383	6,914	234,469
30	7,825,796	345,334	76	6,871	3,521	250,720	7,071	243,649
令和 1 年	7,598,080	337,668	68	5,182	3,434	237,733	7,193	230,540
2	6,789,395	300,900	65	4,425	3,323	209,538	6,325	203,213
3	7,097,875	324,282	80	4,290	3,580	220,193	6,549	213,644
令和 1 年度	7,474,074	333,937	65	5,151	3,390	234,704	7,346	227,358
2	6,703,934	301,308	70	4,338	3,455	207,190	6,189	201,001
3 年 1~3月	1,834,010	85,796	19	1,148	917	58,435	1,478	56,957
4~6	1,732,910	79,049	20	1,063	883	54,731	2,023	52,708
7~9	1,728,332	81,136	20	919	868	54,179	1,296	52,883
10~12	1,802,623	78,301	21	1,160	912	52,848	1,752	51,096
3 年 1月	625,244	29,242	7	344	306	20,184	447	19,737
2	573,522	26,622	6	393	284	18,052	461	17,591
3	635,244	29,933	6	411	327	20,199	570	19,629
4	595,906	28,081	7	351	302	19,032	667	18,365
5	590,519	26,078	7	375	299	18,372	703	17,669
6	546,485	24,891	6	337	282	17,327	653	16,674
7	572,395	26,670	7	308	292	17,914	419	17,495
8	574,606	27,431	6	321	291	18,615	357	18,258
9	581,331	27,035	7	290	285	17,650	520	17,130
10	603,493	26,834	7	400	304	18,049	564	17,485
11	585,138	24,734	7	397	293	16,595	678	15,917
12	613,992	26,732	7	363	315	18,204	510	17,694

年 月	Pulp,paper,paperboard industry (continued)						Pulp,paper,paperboard total (continued)	
	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃材 Waste material	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)
	1000m ³	1000m ³	絶乾(Dry)t	t	1000kwh	t	kl	kl
平成 29 年	49,765	54,241	13,708	857	26,973,771	71,020,934	7,710,076	328,751
30	50,107	54,592	12,769	249	27,013,329	70,693,019	7,698,663	333,881
令和 1 年	50,771	55,370	9,992	-	26,136,599	68,709,777	7,474,424	326,190
2	53,569	58,450	7,494	-	23,508,436	61,087,907	6,668,783	290,762
3	56,883	62,089	5,246	-	24,270,244	63,985,410	6,984,514	314,588
令和 1 年度	51,079	55,725	8,966	-	25,673,659	67,594,138	7,350,892	322,353
2	54,886	59,885	6,642	-	23,238,733	60,203,186	6,579,734	291,323
3 年 1~3月	14,391	15,701	1,524	-	6,054,272	16,833,355	1,800,293	83,233
4~6	13,354	14,567	1,002	-	5,990,112	15,559,853	1,699,964	76,068
7~9	13,937	15,202	1,363	-	6,153,072	15,208,187	1,695,580	79,180
10~12	15,201	16,619	1,357	-	6,072,788	16,384,015	1,768,678	76,108
3 年 1月	4,688	5,118	535	-	2,034,761	5,781,018	614,566	28,560
2	4,693	5,119	558	-	1,894,908	5,261,898	562,494	25,708
3	5,010	5,464	431	-	2,124,603	5,790,439	623,234	28,965
4	4,647	5,067	287	-	2,033,795	5,378,662	584,957	27,064
5	4,443	4,849	351	-	2,029,659	5,328,365	579,611	24,999
6	4,264	4,651	364	-	1,926,658	4,852,826	535,396	24,004
7	4,439	4,838	397	-	2,052,111	5,025,807	561,484	25,789
8	4,654	5,084	542	-	2,051,130	5,040,479	563,986	26,688
9	4,844	5,280	424	-	2,049,831	5,141,901	570,110	26,702
10	4,698	5,124	250	-	2,072,050	5,431,031	592,832	26,466
11	5,416	5,934	563	-	1,982,139	5,307,642	573,019	23,470
12	5,087	5,561	544	-	2,018,599	5,645,342	602,826	26,171

年 月	Pulp,paper,paperboard total (continued)							
	オイルコークス Petroleum coke	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)
	t	kl	kl	t	1000m ³	t	1000m ³	1000m ³
平成 29 年	30,088	15,579	79,075	5,210	4,171	5,956	47,977	52,356
30	28,849	12,064	79,132	6,398	4,117	5,784	48,267	52,652
令和 1 年	31,032	12,460	77,423	5,199	4,348	5,621	48,687	53,151
2	24,613	16,176	76,990	4,358	3,161	5,021	51,614	56,389
3	26,079	20,645	91,119	4,668	3,918	12,081	55,073	60,193
令和 1 年度	29,928	13,051	77,371	5,370	4,370	5,483	49,033	53,547
2	24,611	18,903	77,313	3,622	3,116	4,897	52,881	57,778
3 年 1~3月	7,029	6,192	20,942	1,093	1,211	1,403	13,906	15,195
4~6	5,831	4,830	20,626	1,032	907	2,434	12,906	14,099
7~9	6,706	5,342	23,101	1,366	886	3,440	13,483	14,727
10~12	6,513	4,281	26,450	1,177	914	4,804	14,778	16,172
3 年 1月	2,097	1,965	6,970	370	415	513	4,545	4,968
2	2,103	2,062	6,739	311	337	448	4,530	4,949
3	2,829	2,165	7,233	412	459	442	4,831	5,278
4	2,342	1,485	6,683	396	308	504	4,493	4,905
5	1,672	1,627	7,182	150	434	1,017	4,308	4,708
6	1,817	1,718	6,761	486	165	913	4,105	4,486
7	1,962	1,773	7,257	488	152	1,128	4,274	4,665
8	2,299	1,716	7,805	464	385	1,102	4,508	4,932
9	2,445	1,853	8,039	414	349	1,210	4,701	5,130
10	2,438	1,529	8,355	385	390	1,585	4,561	4,979
11	1,766	1,338	9,002	403	153	1,504	5,288	5,798
12	2,309	1,414	9,093	389	371	1,715	4,929	5,395

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month
9,561	13,763	30,088	15,579	81,076	5,210	4,171	5,956	C.Y. 2017
9,694	14,524	28,849	12,064	81,191	6,398	4,117	5,784	C.Y. 2018
12,595	16,701	31,032	12,460	79,782	5,199	4,348	5,621	C.Y. 2019
10,316	15,247	24,613	16,176	79,179	4,358	3,161	5,021	C.Y. 2020
13,645	16,457	26,079	20,645	93,133	4,668	3,918	12,081	C.Y. 2021
12,626	16,579	29,928	13,051	79,685	5,370	4,370	5,483	F.Y. 2019
9,904	15,423	24,611	18,903	79,552	3,622	3,116	4,897	F.Y. 2020
2,626	4,310	7,029	6,192	21,480	1,093	1,211	1,403	Q1 2021
3,138	3,801	5,831	4,830	21,122	1,032	907	2,434	Q2
3,990	4,275	6,706	5,342	23,606	1,366	886	3,440	Q3
3,891	4,071	6,513	4,281	26,925	1,177	914	4,804	Q4
1,000	1,504	2,097	1,965	7,130	370	415	513	Jan. 2021
817	1,319	2,103	2,062	6,919	311	337	448	Feb.
809	1,487	2,829	2,165	7,431	412	459	442	Mar.
1,389	1,504	2,342	1,485	6,854	396	308	504	Apr.
859	1,249	1,672	1,627	7,331	150	434	1,017	May
890	1,048	1,817	1,718	6,936	486	165	913	Jun.
1,179	1,561	1,962	1,773	7,439	488	152	1,128	Jul.
1,191	1,364	2,299	1,716	7,968	464	385	1,102	Aug.
1,620	1,350	2,445	1,853	8,199	414	349	1,210	Sep.
1,329	1,267	2,438	1,529	8,509	385	390	1,585	Oct.
1,478	1,356	1,766	1,338	9,147	403	153	1,504	Nov.
1,084	1,448	2,309	1,414	9,269	389	371	1,715	Dec.

Pulp,paper,paperboard total

ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	Year, Quarter &Month
85	6,119	3,136	233,183	3,682	229,501	9,561	13,590	C.Y. 2017
57	6,070	3,184	241,083	3,186	237,897	9,694	14,375	C.Y. 2018
47	4,518	3,093	227,914	3,543	224,371	12,595	16,602	C.Y. 2019
46	3,791	2,976	200,958	3,206	197,752	10,316	15,157	C.Y. 2020
59	3,732	3,225	211,947	3,310	208,637	13,645	16,351	C.Y. 2021
45	4,465	3,044	224,802	3,593	221,209	12,626	16,481	F.Y. 2019
50	3,728	3,107	198,730	3,151	195,579	9,904	15,333	F.Y. 2020
14	997	827	56,260	780	55,480	2,626	4,286	Q1 2021
15	957	798	52,097	890	51,207	3,138	3,775	Q2
15	762	779	52,591	777	51,814	3,990	4,244	Q3
15	1,016	821	50,999	863	50,136	3,891	4,046	Q4
5	288	277	19,629	302	19,327	1,000	1,496	Jan. 2021
4	338	255	17,274	203	17,071	817	1,311	Feb.
5	371	295	19,357	275	19,082	809	1,479	Mar.
5	311	273	18,141	323	17,818	1,389	1,495	Apr.
5	344	268	17,412	308	17,104	859	1,241	May
5	302	257	16,544	259	16,285	890	1,039	Jun.
5	263	263	17,172	252	16,920	1,179	1,546	Jul.
5	258	261	18,013	249	17,764	1,191	1,356	Aug.
5	241	255	17,406	276	17,130	1,620	1,342	Sep.
5	347	275	17,773	288	17,485	1,329	1,259	Oct.
5	349	261	15,480	271	15,209	1,478	1,347	Nov.
5	320	285	17,746	304	17,442	1,084	1,440	Dec.

廃材 Waste material 絶乾(Dry)t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	蒸気 Steam t	パルプ(1) Pulp		ガソリン Gasoline kl	灯油 Kerosene kl	Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl			
13,708	857	26,110,483	70,504,424	2,504,804	291,109	16	321	C.Y. 2017
12,769	249	26,144,825	70,218,040	2,508,572	290,823	15	432	C.Y. 2018
9,992	0	25,295,305	68,253,179	2,457,837	285,940	16	249	C.Y. 2019
7,494	0	22,661,926	60,660,546	2,201,274	254,824	20	246	C.Y. 2020
5,246	0	23,312,336	63,514,556	2,338,510	276,276	23	226	C.Y. 2021
8,966	0	24,837,200	67,138,789	2,432,922	283,740	17	266	F.Y. 2019
6,642	0	22,355,020	59,772,479	2,165,137	255,164	21	237	F.Y. 2020
1,524	0	5,818,310	16,707,984	603,099	73,445	5	56	Q1 2021
1,002	0	5,762,472	15,439,876	567,971	66,903	6	51	Q2
1,363	0	5,901,889	15,107,988	576,251	69,633	6	72	Q3
1,357	0	5,829,665	16,258,708	591,190	66,295	6	47	Q4
535	0	1,958,703	5,741,067	210,623	25,286	2	29	Jan. 2021
558	0	1,818,794	5,220,618	186,565	22,651	1	9	Feb.
431	0	2,040,813	5,746,299	205,911	25,508	2	18	Mar.
287	0	1,959,468	5,337,466	194,734	23,679	2	7	Apr.
351	0	1,954,753	5,289,138	194,837	21,959	2	30	May
364	0	1,848,251	4,813,272	178,399	21,264	2	14	Jun.
397	0	1,970,856	4,992,703	187,766	22,468	2	21	Jul.
542	0	1,967,340	5,012,677	195,406	23,594	2	38	Aug.
424	0	1,963,693	5,102,608	193,079	23,570	2	13	Sep.
250	0	1,993,871	5,389,563	199,445	23,301	2	13	Oct.
563	0	1,899,235	5,264,265	185,799	20,227	2	29	Nov.
544	0	1,936,559	5,604,880	205,946	22,767	2	5	Dec.

年 月	Pulp (continued)								再生油 (石油由来) Reproduction oil (Oil origin) kl
	パルプ(1)(つづき)		A重油		B・C重油	炭化水素油	液化石油ガス	オイルコークス	
	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	重油計 Heavy fuel oil A kl	重油計 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t		
平成 29 年	1,630	223,859	540	223,319	9,561	122	26,406	15,363	
30 年	1,679	227,833	145	227,688	9,694	123	25,158	11,560	
令和 1 年	1,673	219,788	677	219,111	12,595	112	27,423	10,759	
2 年	1,781	194,210	152	194,058	10,316	99	21,775	13,918	
3 年	1,860	204,556	93	204,463	13,645	99	22,946	18,569	
令和 1 年度	1,710	218,114	683	217,431	12,626	105	26,434	11,048	
2 年	1,827	191,915	172	191,743	9,904	103	21,807	16,707	
3 年 1~3月	469	54,461	38	54,423	2,626	26	6,351	5,657	
4~6	455	50,321	17	50,304	3,138	24	5,062	4,257	
7~9	471	50,664	14	50,650	3,990	25	5,875	4,972	
10~12	465	49,110	24	49,086	3,891	24	5,658	3,683	
3 年 1月	157	18,926	28	18,898	1,000	9	1,995	1,813	
2	142	16,753	1	16,752	817	8	1,831	1,903	
3	170	18,782	9	18,773	809	9	2,525	1,941	
4	159	17,565	5	17,560	1,389	8	2,070	1,267	
5	155	16,828	12	16,816	859	8	1,394	1,448	
6	141	15,928	-	15,928	890	8	1,598	1,542	
7	157	16,521	1	16,520	1,179	8	1,671	1,715	
8	162	17,381	6	17,375	1,191	9	2,015	1,587	
9	152	16,762	7	16,755	1,620	8	2,189	1,670	
10	161	17,161	5	17,156	1,329	8	2,151	1,308	
11	150	14,863	-	14,863	1,478	8	1,502	1,123	
12	154	17,086	19	17,067	1,084	8	2,005	1,252	

年 月	Paper								計 (原油換算) Total (Crude petroleum equivalent) kl
	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl		ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	
	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	
平成 29 年	3,549,865	35,062	69	5,729	845	8,070	2,061	6,009	
30 年	3,476,570	36,929	42	5,590	839	8,635	1,961	6,674	
令和 1 年	3,338,571	37,165	31	4,203	838	6,209	1,834	4,375	
2 年	2,882,508	33,960	26	3,491	671	5,783	2,128	3,655	
3 年	2,988,887	35,890	36	3,455	790	6,251	2,105	4,146	
令和 1 年度	3,268,124	36,528	28	4,126	771	5,667	1,932	3,735	
2 年	2,830,134	34,056	29	3,439	737	5,795	1,988	3,807	
3 年 1~3月	782,346	9,140	9	928	211	1,487	436	1,051	
4~6	723,284	8,564	9	890	199	1,454	562	892	
7~9	724,468	9,018	9	680	174	1,680	520	1,160	
10~12	758,789	9,167	9	957	206	1,630	587	1,043	
3 年 1月	267,367	3,045	3	255	72	581	155	426	
2	244,570	2,870	3	322	68	435	117	318	
3	270,409	3,225	3	351	71	471	164	307	
4	252,098	3,167	3	302	63	448	197	251	
5	246,693	2,832	3	305	68	468	183	285	
6	224,492	2,565	3	283	68	538	182	356	
7	237,015	3,156	3	240	58	565	167	398	
8	244,584	2,932	3	217	57	565	177	388	
9	242,868	2,931	3	223	59	550	176	374	
10	253,626	2,958	3	332	62	517	191	326	
11	246,870	3,035	3	318	62	533	190	343	
12	258,293	3,174	3	307	82	580	206	374	

年 月	紙(2)(つづき) Paper (continued)			板紙(3) Paperboard				
	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	蒸気 Steam t	計 (原油換算) Total (Crude petroleum kl)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum kl)	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl
	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	蒸気 Steam t	計 (原油換算) Total (Crude petroleum kl)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum kl)	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl
平成 29 年	857	13,175,287	32,252,617	1,655,407	2,581	69	661	1,254
30 年	249	12,992,375	31,440,295	1,713,520	6,130	48	666	4,615
令和 1 年	-	12,558,347	30,008,960	1,678,016	3,085	66	582	1,917
2 年	-	10,889,206	25,678,381	1,585,001	1,978	54	524	965
3 年	-	11,155,034	26,741,735	1,637,118	2,422	51	575	1,140
令和 1 年度	-	12,300,502	29,343,197	1,649,845	2,085	73	563	1,021
2 年	-	10,698,062	25,158,160	1,584,462	2,103	52	543	1,020
3 年 1~3月	-	2,805,406	7,167,332	414,848	648	13	147	312
4~6	-	2,738,944	6,434,809	408,709	600	16	144	322
7~9	-	2,829,547	6,309,621	394,861	528	10	134	247
10~12	-	2,781,137	6,829,973	418,699	645	12	150	259
3 年 1月	-	948,689	2,466,288	136,575	229	4	48	122
2	-	871,966	2,245,622	131,359	187	7	45	86
3	-	984,751	2,455,422	146,914	232	2	54	104
4	-	941,123	2,260,194	138,125	218	2	51	128
5	-	938,290	2,189,242	138,080	208	9	45	116
6	-	859,531	1,985,373	132,504	175	5	48	78
7	-	926,721	2,064,781	136,704	165	2	48	86
8	-	962,587	2,121,233	123,995	162	3	42	67
9	-	940,239	2,123,607	134,162	201	5	44	94
10	-	952,913	2,258,798	139,761	207	2	52	95
11	-	902,898	2,217,954	140,350	209	2	49	84
12	-	925,326	2,353,221	138,588	230	8	49	80

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃材 Waste material 絶乾(Dry)t	電力 Electricity 1000kwh	蒸気 Steam t	Year, Quarter &Month
9,732	5,210	-	-	-	13,708	7,106,266	22,321,807	C.Y. 2017
10,239	6,398	-	-	-	12,769	7,087,176	22,398,821	C.Y. 2018
8,183	5,199	14	5	5	9,992	6,886,864	22,034,780	C.Y. 2019
6,470	4,358	-	3	3	7,494	6,263,624	19,636,699	C.Y. 2020
14,125	4,668	5,878	2	2	5,246	6,453,978	20,944,854	C.Y. 2021
7,880	5,370	14	4	4	8,966	6,789,351	21,841,770	F.Y. 2019
5,573	3,622	-	4	4	6,642	6,162,532	19,258,009	F.Y. 2020
1,493	1,093	-	1	1	1,524	1,621,631	5,458,681	Q1 2021
3,162	1,032	1,377	-	-	1,002	1,599,592	5,050,624	Q2
4,611	1,366	2,111	1	1	1,363	1,647,652	5,045,281	Q3
4,860	1,177	2,390	-	-	1,357	1,585,103	5,390,268	Q4
514	370	-	1	1	535	559,437	1,921,002	Jan. 2021
480	311	-	-	-	558	505,770	1,683,787	Feb.
499	412	-	-	-	431	556,424	1,853,892	Mar.
783	396	254	-	-	287	542,488	1,733,305	Apr.
1,159	150	631	-	-	351	538,792	1,759,198	May
1,220	486	492	-	-	364	518,312	1,558,121	Jun.
1,529	488	699	-	-	397	552,552	1,625,661	Jul.
1,544	464	676	1	1	542	555,537	1,715,676	Aug.
1,538	414	736	-	-	424	539,563	1,703,944	Sep.
1,583	385	838	-	-	250	537,192	1,802,468	Oct.
1,516	403	683	-	-	563	507,733	1,690,135	Nov.
1,760	389	869	-	-	544	540,178	1,897,665	Dec.

液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	Year, Quarter &Month
13,188	3,682	-	59,847	4,171	2,776	43,693	47,839	C.Y. 2017
14,002	3,691	322	57,850	4,117	2,526	42,773	46,581	C.Y. 2018
16,273	3,609	1,537	58,924	4,348	2,674	43,434	47,329	C.Y. 2019
14,852	2,838	2,096	60,671	3,161	2,487	46,287	50,479	C.Y. 2020
16,026	3,133	1,721	66,892	3,918	3,885	49,278	53,764	C.Y. 2021
16,162	3,494	1,857	59,119	4,370	2,602	43,657	47,585	F.Y. 2019
15,020	2,804	1,986	61,941	3,116	2,490	47,441	51,746	F.Y. 2020
4,204	678	434	16,822	1,211	768	12,434	13,565	Q1 2021
3,690	769	534	15,150	907	580	11,517	12,556	Q2
4,168	831	300	16,106	886	771	12,130	13,223	Q3
3,964	855	453	18,814	914	1,766	13,197	14,420	Q4
1,470	102	120	5,599	415	289	4,083	4,458	Jan. 2021
1,283	272	136	5,366	337	236	4,026	4,390	Feb.
1,451	304	178	5,857	459	243	4,325	4,717	Mar.
1,466	272	209	5,157	308	124	4,013	4,372	Apr.
1,213	278	167	5,255	434	216	3,862	4,212	May
1,011	219	158	4,739	165	240	3,642	3,972	Jun.
1,519	291	53	4,932	152	256	3,808	4,146	Jul.
1,331	284	100	5,487	385	250	4,062	4,436	Aug.
1,318	256	147	5,687	349	265	4,260	4,641	Sep.
1,234	287	186	5,893	390	538	4,066	4,430	Oct.
1,318	264	170	6,537	153	595	4,753	5,205	Nov.
1,412	304	97	6,384	371	633	4,378	4,785	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	Year, Quarter &Month
1,081	173	280	216	9,496	3,180	4,284	4,717	C.Y. 2017
1,080	3,535	250	182	11,044	3,258	5,494	6,071	C.Y. 2018
1,032	885	217	164	10,316	2,933	5,248	5,817	C.Y. 2019
926	39	206	162	9,848	2,534	5,324	5,907	C.Y. 2020
1,112	28	226	355	10,102	2,318	5,793	6,427	C.Y. 2021
978	43	214	146	10,372	2,867	5,372	5,958	F.Y. 2019
991	29	210	210	9,799	2,407	5,436	6,028	F.Y. 2020
306	6	56	101	2,628	635	1,471	1,629	Q1 2021
311	11	61	39	2,313	477	1,389	1,543	Q2
243	4	51	70	2,385	558	1,352	1,503	Q3
252	7	58	145	2,777	648	1,581	1,752	Q4
119	3	17	32	857	224	461	509	Jan. 2021
85	1	20	23	893	212	504	559	Feb.
102	2	19	46	877	199	506	561	Mar.
121	7	21	9	744	126	480	533	Apr.
113	3	20	12	767	170	446	496	May
77	1	20	18	802	181	463	514	Jun.
84	2	19	5	796	173	466	519	Jul.
66	1	16	29	774	176	445	495	Aug.
93	1	16	36	815	209	441	489	Sep.
92	3	17	35	878	209	495	549	Oct.
81	3	21	45	949	226	535	593	Nov.
79	1	20	65	949	213	551	610	Dec.

年 月	板紙(3)(つづき) Paperboard (continued)		その他の紙製品 Other paper products →					
	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
	1000kwh	t	kl	kl	kl	kl	kl	kl
平成 29 年	5,828,930	15,930,000	33,301	6,138	574	72	4,977	25
30	6,065,274	16,378,924	32,856	6,930	515	75	5,790	38
令和 1 年	5,850,094	16,209,439	30,952	7,316	461	87	6,236	67
2	5,509,096	15,345,466	29,284	6,453	373	98	5,505	44
3	5,703,324	15,827,967	30,916	5,888	355	75	5,032	25
令和 1 年度	5,747,347	15,953,822	30,655	7,301	473	91	6,208	59
2	5,494,426	15,356,310	29,797	6,373	346	93	5,463	41
3 年 1~3月	1,391,273	4,081,971	8,199	1,722	97	19	1,482	5
4~6	1,423,936	3,954,443	7,616	1,717	62	19	1,508	7
7~9	1,424,690	3,753,086	7,534	1,289	103	19	1,076	7
10~12	1,463,425	4,038,467	7,566	1,160	93	18	966	6
3 年 1月	450,577	1,353,777	2,622	490	39	6	411	1
2	441,058	1,291,209	2,765	605	33	6	522	2
3	499,638	1,436,985	2,812	627	25	7	549	2
4	475,857	1,343,967	2,567	622	20	6	550	3
5	477,671	1,340,698	2,556	641	20	7	566	1
6	470,408	1,269,778	2,494	454	22	6	392	3
7	491,583	1,302,261	2,796	659	27	6	578	3
8	449,216	1,175,768	2,516	590	46	7	496	2
9	483,891	1,275,057	2,221	40	30	6	2	2
10	503,766	1,328,297	2,204	48	38	6	2	2
11	488,604	1,356,176	2,889	805	29	6	711	3
12	471,055	1,353,994	2,473	307	26	6	253	1

B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	電力 Electricity 1000kwh	蒸気 Steam t	Year, Quarter &Month
4,952	104	756	-	655	712	138,064	196,232	C.Y. 2017
5,752	78	818	-	711	770	148,513	163,381	C.Y. 2018
6,169	36	1,135	-	981	1,069	135,095	143,709	C.Y. 2019
5,461	36	912	-	789	859	128,912	143,604	C.Y. 2020
5,007	36	746	-	645	702	137,224	166,617	C.Y. 2021
6,149	36	1,097	-	948	1,033	135,360	139,817	F.Y. 2019
5,422	36	920	-	795	866	127,710	153,704	F.Y. 2020
1,477	9	202	-	174	190	31,141	48,879	Q1 2021
1,501	9	174	-	151	164	33,743	37,417	Q2
1,069	9	184	-	160	173	37,756	36,871	Q3
960	9	186	-	160	175	34,584	43,450	Q4
410	3	65	-	56	61	9,954	16,505	Jan. 2021
520	3	66	-	57	62	10,344	16,385	Feb.
547	3	71	-	61	67	10,843	15,989	Mar.
547	3	62	-	53	58	10,794	12,715	Apr.
565	3	54	-	47	51	10,883	12,272	May
389	3	58	-	51	55	12,066	12,430	Jun.
575	3	68	-	59	64	12,747	12,780	Jul.
494	3	62	-	54	58	12,287	10,443	Aug.
-	3	54	-	47	51	12,722	13,648	Sep.
-	3	64	-	55	60	12,268	13,759	Oct.
708	3	61	-	52	57	11,230	14,166	Nov.
252	3	62	-	53	58	11,086	15,525	Dec.

① パルプ・紙・板紙 Pulp,paper,paperboard

一次投入燃料換算表 Conversion table for primary input fuel

年 月	Pulp,paper,paperboard industry								
	計 (原油換算) Total (Crude petroleum equivalent)		石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl	
平成 29 年	11,351,385	987,722	104	8,646	3,581	759,322	75,197	684,125	
30 年	11,425,093	967,601	76	8,771	3,650	748,279	75,557	672,721	
令和 1 年	11,022,010	906,273	68	7,198	3,633	682,234	73,017	609,217	
2 年	10,036,045	850,547	65	5,931	3,447	630,311	66,329	563,982	
3 年	10,459,126	868,241	80	5,994	3,725	627,604	62,655	564,950	
令和 1 年度	10,927,246	895,247	65	6,947	3,600	671,602	68,468	603,134	
2 年	9,893,529	875,769	70	5,987	3,578	647,777	66,500	581,277	
3 年 1~3月	2,689,230	241,996	19	1,599	952	178,298	16,074	162,224	
4~6	2,530,769	222,153	20	1,526	910	165,396	19,485	145,911	
7~9	2,637,662	197,138	20	1,401	904	136,505	12,279	124,226	
10~12	2,601,465	206,955	21	1,469	960	147,405	14,816	132,589	
3 年 1月	917,178	87,103	7	556	321	64,761	5,377	59,384	
2	832,442	79,229	6	548	297	58,419	5,073	53,346	
3	939,610	75,663	6	495	334	55,119	5,624	49,495	
4	863,435	67,420	7	442	310	47,043	4,722	42,321	
5	860,648	72,308	7	589	308	55,014	5,599	49,415	
6	806,686	82,425	6	494	292	63,338	9,164	54,175	
7	882,310	67,197	7	444	304	46,569	3,844	42,724	
8	886,548	67,502	6	536	303	47,289	3,951	43,338	
9	868,804	62,438	7	420	297	42,647	4,483	38,164	
10	879,145	68,954	7	462	317	49,033	5,735	43,298	
11	840,490	70,768	7	576	311	50,495	5,118	45,377	
12	881,831	67,233	7	430	331	47,876	3,963	43,914	

年 月	Pulp,paper,paperboard industry (continued)							
	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	回収黒液 Black liquor	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel
	t	1000m ³	1000m ³	絶乾(Dry)t	絶乾(Dry)t	t	t	t
平成 29 年	104,311	693,667	749,689	11,490,446	1,991,006	212,643	46,040	479,641
30 年	103,889	702,853	759,886	11,555,938	2,139,267	215,281	47,507	492,940
令和 1 年	92,675	717,152	775,596	11,237,689	1,983,592	194,443	43,318	469,989
2 年	83,226	681,093	735,497	9,908,260	1,839,876	190,153	45,766	482,737
3 年	91,972	706,331	761,294	10,406,244	1,827,088	219,286	46,729	560,379
令和 1 年度	88,709	709,613	767,396	11,338,828	1,947,932	187,562	45,587	461,822
2 年	83,285	683,176	736,934	9,407,469	1,787,933	196,813	45,631	504,534
3 年 1~3月	22,481	178,890	192,529	2,559,753	450,814	56,985	12,926	140,263
4~6	22,084	176,564	190,359	2,496,759	434,036	44,020	13,058	132,154
7~9	22,865	165,109	178,066	2,673,335	471,716	65,880	9,636	149,065
10~12	24,542	185,767	200,340	2,676,397	470,523	52,401	11,109	138,898
3 年 1月	7,368	58,576	63,100	876,902	141,169	18,574	4,250	43,503
2	7,433	56,475	60,706	780,108	139,412	17,074	4,090	43,017
3	7,680	63,840	68,722	902,743	170,233	21,338	4,586	53,743
4	7,072	60,097	64,744	857,962	156,738	12,040	3,983	42,913
5	7,706	57,613	62,087	867,406	135,386	16,041	4,171	46,588
6	7,306	58,854	63,528	771,391	141,912	15,939	4,904	42,653
7	8,099	57,993	62,513	855,514	156,052	23,137	1,891	46,879
8	6,639	50,594	54,624	915,167	151,832	22,080	3,626	52,544
9	8,127	56,522	60,929	902,653	163,831	20,663	4,119	49,642
10	8,369	61,209	66,045	946,679	152,072	14,275	4,587	38,972
11	8,132	63,139	68,085	831,212	164,490	16,841	4,416	49,627
12	8,041	61,420	66,210	898,505	153,961	21,286	2,105	50,299

年 月	Pulp,paper,paperboard total (continued)							
	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal
	kl	kl	t	t	t	kl	kl	t
平成 29 年	661,346	22,913	27,298	101,116	-	17,627	9,678,980	5,198,633
30 年	650,079	22,206	23,575	103,016	-	13,762	9,755,457	5,158,525
令和 1 年	590,107	29,387	21,892	110,020	-	13,971	9,435,001	5,011,513
2 年	545,772	36,089	18,727	98,319	-	19,828	8,544,964	4,534,976
3 年	549,214	41,058	21,957	98,219	-	25,879	8,902,208	4,434,588
令和 1 年度	582,911	30,647	21,740	107,957	-	14,663	9,358,294	4,902,696
2 年	562,988	36,973	18,908	98,805	-	22,790	8,373,948	4,486,614
3 年 1~3月	156,866	8,437	5,668	28,230	-	6,840	2,284,438	1,208,908
4~6	141,435	8,923	5,133	21,734	-	6,968	2,135,221	1,067,696
7~9	121,265	12,022	5,636	24,538	-	6,229	2,270,834	1,131,427
10~12	129,649	11,675	5,520	23,716	-	5,842	2,211,714	1,026,558
3 年 1月	57,476	3,344	2,004	9,424	-	2,188	776,915	425,157
2	51,316	3,137	1,842	8,649	-	2,280	701,234	369,745
3	48,073	1,956	1,822	10,157	-	2,372	806,290	414,007
4	40,193	2,848	1,952	9,253	-	2,412	736,672	371,603
5	48,517	3,201	1,672	5,099	-	2,201	730,082	372,189
6	52,725	2,874	1,509	7,382	-	2,355	668,467	323,904
7	41,665	4,360	2,004	7,718	-	2,175	760,089	398,148
8	42,629	4,087	1,798	8,166	-	1,911	763,325	382,536
9	36,971	3,574	1,834	8,654	-	2,143	747,420	350,743
10	42,832	4,020	1,737	7,314	-	2,515	750,361	344,739
11	43,801	4,606	1,818	7,722	-	1,709	707,611	322,685
12	43,017	3,049	1,964	8,681	-	1,618	753,743	359,133

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	Year, Quarter &Month
24,076	27,922	101,116	-	17,744	9,835,757	5,210,894	5,210	79,852	C.Y. 2017
23,156	24,183	103,016	-	14,025	9,916,536	5,171,029	6,398	78,224	C.Y. 2018
30,741	22,440	110,020	-	14,194	9,597,787	5,020,616	5,199	72,395	C.Y. 2019
38,405	19,244	98,319	-	20,286	8,715,731	4,543,423	4,358	70,216	C.Y. 2020
43,216	22,536	98,219	-	26,275	9,098,884	4,443,924	4,668	75,632	C.Y. 2021
32,136	22,295	107,957	-	14,869	9,518,949	4,911,075	5,370	71,479	F.Y. 2019
39,330	19,417	98,805	-	23,249	8,554,812	4,495,922	3,622	71,645	F.Y. 2020
8,865	5,811	28,230	-	6,896	2,332,363	1,211,680	1,093	21,627	Q1 2021
9,389	5,276	21,734	-	7,104	2,179,564	1,069,677	1,032	13,928	Q2
12,806	5,785	24,538	-	6,306	2,323,628	1,133,854	1,366	19,268	Q3
12,155	5,664	23,716	-	5,969	2,263,329	1,028,713	1,177	20,810	Q4
3,533	2,047	9,424	-	2,198	792,496	426,096	370	7,323	Jan. 2021
3,295	1,891	8,649	-	2,311	715,788	370,838	311	6,452	Feb.
2,037	1,873	10,157	-	2,387	824,078	414,746	412	7,852	Mar.
2,976	1,996	9,253	-	2,515	751,497	372,115	396	6,874	Apr.
3,394	1,719	5,099	-	2,234	745,146	372,889	150	2,523	May
3,020	1,561	7,382	-	2,356	682,922	324,672	486	4,531	Jun.
4,703	2,060	7,718	-	2,208	776,989	398,794	488	5,799	Jul.
4,354	1,841	8,166	-	1,927	781,050	383,485	464	7,074	Aug.
3,749	1,884	8,654	-	2,171	765,590	351,574	414	6,396	Sep.
4,226	1,789	7,314	-	2,590	766,160	345,454	385	7,499	Oct.
4,724	1,862	7,722	-	1,750	725,690	323,291	403	5,900	Nov.
3,205	2,013	8,681	-	1,629	771,480	359,967	389	7,410	Dec.

電力 Electricity 1000kwh	蒸気 Steam t	パルプ・紙・板紙計(1~3) Pulp, paper, paperboard total							Year, Quarter &Month
		計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	
5,437,195	320,034	11,129,266	950,331	85	7,747	3,148	727,402	66,056	C.Y. 2017
5,576,740	321,035	11,199,824	929,632	57	7,936	3,210	715,623	65,544	C.Y. 2018
5,146,296	567,482	10,801,196	872,420	47	6,486	3,199	653,594	63,486	C.Y. 2019
4,506,348	731,632	9,808,992	816,559	46	5,259	3,017	602,662	56,889	C.Y. 2020
4,766,017	703,836	10,207,502	837,469	59	5,397	3,262	602,569	53,355	C.Y. 2021
5,032,046	650,345	10,706,661	860,052	45	6,218	3,150	641,879	58,967	F.Y. 2019
4,436,122	727,499	9,656,457	841,762	50	5,333	3,146	620,085	57,097	F.Y. 2020
1,100,129	181,326	2,626,174	232,804	14	1,431	836	170,511	13,645	Q1 2021
1,253,578	179,970	2,471,625	213,287	15	1,412	808	157,924	16,490	Q2
1,142,468	153,652	2,572,683	191,063	15	1,236	788	132,031	10,767	Q3
1,269,842	188,888	2,537,021	200,314	15	1,318	830	142,103	12,453	Q4
361,272	57,462	896,528	84,017	5	495	280	62,191	4,715	Jan. 2021
360,865	55,772	812,445	75,654	4	485	258	55,370	4,054	Feb.
377,991	68,092	917,200	73,133	5	451	298	52,949	4,876	Mar.
431,616	63,180	843,154	63,872	5	400	277	44,040	3,847	Apr.
420,282	59,294	841,267	70,091	5	557	271	53,238	4,722	May
401,681	57,496	787,204	79,323	5	456	261	60,646	7,921	Jun.
372,067	50,828	861,238	65,069	5	395	266	45,072	3,408	Jul.
373,328	47,284	865,256	65,990	5	471	264	46,285	3,656	Aug.
397,073	55,540	846,189	60,004	5	370	258	40,674	3,703	Sep.
427,373	61,855	859,538	67,210	5	408	278	47,782	4,950	Oct.
426,169	63,478	817,318	67,670	5	525	265	47,846	4,045	Nov.
416,299	63,555	860,165	65,434	5	385	288	46,475	3,458	Dec.

石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	回収黒液 Black liquor 絶乾(Dry)t	廃材 Waste material 絶乾(Dry)t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	Year, Quarter &Month
5,210	79,852	99,335	649,102	701,730	11,295,263	1,952,204	208,662	46,040	C.Y. 2017
6,398	78,224	98,965	656,719	710,235	11,357,514	2,103,126	211,026	47,507	C.Y. 2018
5,199	72,395	89,290	663,173	717,266	11,054,170	1,942,115	190,679	43,318	C.Y. 2019
4,358	70,216	80,595	630,916	681,380	9,694,752	1,800,925	184,402	45,691	C.Y. 2020
4,668	75,632	89,329	649,107	699,521	10,160,836	1,790,274	211,613	46,661	C.Y. 2021
5,370	71,479	85,934	656,048	709,508	11,155,140	1,907,364	183,854	45,587	F.Y. 2019
3,622	71,645	80,645	631,381	681,094	9,183,278	1,747,049	190,127	45,523	F.Y. 2020
1,093	21,627	21,787	164,933	177,506	2,504,464	439,870	55,107	12,892	Q1 2021
1,032	13,928	21,408	162,442	175,093	2,441,705	427,436	42,653	13,041	Q2
1,366	19,268	22,233	151,834	163,732	2,603,648	461,808	63,047	9,627	Q3
1,177	20,810	23,901	169,898	183,191	2,611,019	461,160	50,806	11,100	Q4
370	7,323	7,147	53,992	58,166	858,498	137,645	18,058	4,244	Jan. 2021
311	6,452	7,210	52,059	55,958	765,586	135,153	16,518	4,076	Feb.
412	7,852	7,430	58,883	63,382	880,380	167,072	20,532	4,573	Mar.
396	6,874	6,844	55,766	60,060	839,173	153,438	11,566	3,982	Apr.
150	2,523	7,494	52,623	56,690	848,974	133,145	15,588	4,160	May
486	4,531	7,071	54,054	58,343	753,558	140,853	15,499	4,899	Jun.
488	5,799	7,859	53,320	57,474	834,914	152,854	21,976	1,886	Jul.
464	7,074	6,463	46,864	50,593	889,703	148,590	21,207	3,624	Aug.
414	6,396	7,911	51,650	55,665	879,031	160,364	19,864	4,117	Sep.
385	7,499	8,162	55,908	60,313	926,650	149,788	13,875	4,585	Oct.
403	5,900	7,916	57,563	62,058	808,883	160,586	16,303	4,413	Nov.
389	7,410	7,822	56,427	60,819	875,486	150,786	20,629	2,102	Dec.

年 月	パルプ・紙・板紙計(1~3) (つづき)			Pulp				
	RPF	電力	蒸気	計 (原油換算)	石油系燃料 (原油換算)	ガソリン	灯油	軽油
	Refuse Paper & Plastic Fuel	Electricity	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil
	t	1000kwh	t	kl	kl	kl	kl	kl
平成 29 年	471,256	5,163,326	-	3,657,837	463,091	16	537	1,630
30	483,921	5,300,179	-	3,712,909	463,082	15	771	1,679
令和 1 年	461,108	4,912,294	-	3,589,340	442,307	16	550	1,673
2	469,855	4,297,107	690,655	3,290,583	423,189	20	465	1,781
3	543,150	4,538,656	660,074	3,465,888	444,583	23	541	1,860
令和 1 年度	452,872	4,800,559	-	3,577,407	443,619	17	531	1,710
2	489,092	4,227,626	686,905	3,234,638	429,298	21	462	1,827
3 年 1~3月	135,524	1,045,920	168,346	896,036	119,840	5	101	469
4~6	128,716	1,196,585	170,815	830,036	110,618	6	160	455
7~9	143,690	1,083,729	144,284	885,700	105,400	6	169	471
10~12	135,221	1,212,423	176,628	854,116	108,725	6	112	465
3 年 1月	42,064	343,312	52,965	313,872	42,922	2	67	157
2	41,601	344,034	51,410	275,258	36,970	1	12	142
3	51,859	358,574	63,971	306,906	39,948	2	22	170
4	41,885	413,531	59,918	283,674	36,918	2	26	159
5	45,590	400,029	56,169	279,860	35,216	2	72	155
6	41,240	383,025	54,728	266,502	38,484	2	62	141
7	45,264	352,513	47,566	294,183	35,222	2	70	157
8	50,497	353,253	44,557	302,543	35,900	2	78	162
9	47,928	377,963	52,161	288,973	34,279	2	21	152
10	38,187	407,806	58,326	289,692	37,133	2	27	161
11	48,290	407,518	59,727	267,095	35,676	2	77	150
12	48,744	397,099	58,576	297,329	35,916	2	8	154

年 月	パルプ(1) (つづき)							
	石炭コークス (ピッチコークスを含む)	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	回収黒液	廃材	廃タイヤ
	Coal coke (including pitch coke)	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Black liquor	Waste material	Used tires
	t	1000m ³	t	1000m ³	1000m ³	絶乾(Dry)t	絶乾(Dry)t	t
平成 29 年	5,210	19,899	-	3,177	3,478	4,852,558	547,782	72,308
30	6,398	20,038	-	3,501	3,834	4,904,190	581,900	74,550
令和 1 年	5,199	18,834	14	8,028	8,790	4,788,024	519,940	67,194
2	4,358	19,015	-	7,512	8,225	4,274,213	479,719	67,650
3	4,668	19,738	5,878	5,145	5,633	4,486,828	450,790	78,470
令和 1 年度	5,370	18,624	14	8,314	9,103	4,833,458	506,686	65,062
2	3,622	19,461	-	7,474	8,183	4,061,399	458,317	70,152
3 年 1~3月	1,093	5,678	-	2,012	2,203	1,097,001	113,874	20,465
4~6	1,032	3,238	1,377	1,342	1,470	1,063,318	104,775	15,499
7~9	1,366	5,315	2,111	816	893	1,166,083	115,077	23,402
10~12	1,177	5,507	2,390	975	1,067	1,160,526	117,064	19,105
3 年 1月	370	1,920	-	637	697	377,220	38,464	7,058
2	311	1,702	-	670	733	336,467	33,128	5,864
3	412	2,057	-	706	773	383,314	42,282	7,543
4	396	1,808	254	723	792	365,802	39,120	3,373
5	150	277	631	316	346	361,381	34,201	5,827
6	486	1,153	492	303	332	336,136	31,454	6,300
7	488	1,658	699	248	271	375,536	36,678	7,900
8	464	1,930	676	283	310	397,161	38,856	7,990
9	414	1,728	736	285	312	393,386	39,543	7,513
10	385	1,987	838	306	335	409,143	35,116	4,856
11	403	1,618	683	302	331	357,454	38,706	6,143
12	389	1,901	869	366	401	393,930	43,243	8,105

年 月	紙(2) (つづき)							
	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	オイルコークス	アスファルト	再生油 (石油由来)
	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Petroleum coke	Asphalt	Reproduction oil (Oil origin)
	kl	kl	kl	kl	t	t	t	kl
平成 29 年	287,899	42,227	245,672	7,544	20,378	36,468	-	418
30	259,359	40,787	218,572	6,862	20,007	37,258	-	507
令和 1 年	222,102	38,328	183,774	9,359	21,563	39,699	-	1,746
2	205,512	38,166	167,346	14,808	18,422	36,558	-	3,097
3	194,270	35,021	159,249	15,486	21,632	37,665	-	3,360
令和 1 年度	216,918	37,899	179,019	10,030	21,421	39,006	-	2,089
2	213,969	37,710	176,259	15,339	18,595	37,269	-	3,153
3 年 1~3月	55,107	9,215	45,892	3,226	5,586	10,816	-	629
4~6	52,510	9,465	43,045	3,323	5,048	8,408	-	1,114
7~9	41,269	8,000	33,269	4,523	5,560	9,345	-	629
10~12	45,383	8,342	37,042	4,415	5,438	9,096	-	987
3 年 1月	19,507	3,287	16,220	1,291	1,978	3,588	-	210
2	16,847	2,795	14,052	1,273	1,814	3,426	-	178
3	18,753	3,133	15,620	662	1,794	3,802	-	241
4	13,170	2,934	10,236	815	1,923	3,585	-	475
5	17,192	2,862	14,329	1,338	1,644	1,901	-	403
6	22,148	3,668	18,480	1,170	1,481	2,921	-	236
7	15,673	2,558	13,115	1,772	1,977	3,007	-	198
8	14,027	2,653	11,375	1,632	1,773	3,028	-	184
9	11,569	2,789	8,779	1,118	1,810	3,310	-	247
10	13,677	2,767	10,910	1,562	1,712	2,629	-	544
11	17,176	2,988	14,188	1,690	1,789	3,075	-	281
12	14,530	2,587	11,943	1,163	1,936	3,393	-	163

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	Year, Quarter &Month
348,434	4,528	343,906	15,369	237	64,647	16,523	3,127,366	1,601,153	C.Y. 2017
351,161	5,336	345,825	15,344	198	65,758	12,720	3,181,513	1,621,993	C.Y. 2018
325,146	4,732	320,414	20,027	112	70,320	11,833	3,084,804	1,590,488	C.Y. 2019
308,063	4,499	303,564	21,481	99	61,761	16,058	2,816,056	1,463,474	C.Y. 2020
316,189	3,778	312,411	25,571	99	60,554	21,480	2,960,279	1,448,954	C.Y. 2021
326,421	4,355	322,067	20,617	105	68,951	12,135	3,072,988	1,561,798	F.Y. 2019
309,968	4,919	305,049	21,634	103	61,536	18,914	2,754,508	1,459,108	F.Y. 2020
85,798	1,001	84,797	5,212	26	17,414	6,029	762,819	406,378	Q1 2021
80,595	1,161	79,434	5,600	24	13,327	5,550	702,413	352,663	Q2
72,544	784	71,759	7,500	25	15,193	5,411	767,022	369,592	Q3
77,252	832	76,420	7,260	24	14,620	4,491	728,025	320,321	Q4
31,092	562	30,530	2,053	9	5,836	1,915	266,536	146,764	Jan. 2021
26,166	148	26,018	1,864	8	5,224	2,056	233,773	126,398	Feb.
28,540	290	28,249	1,294	9	6,355	2,057	262,510	133,216	Mar.
25,843	235	25,607	2,034	8	5,668	1,782	240,088	120,505	Apr.
26,433	226	26,207	1,863	8	3,198	1,707	238,997	121,015	May
28,319	700	27,620	1,704	8	4,460	2,060	223,327	111,143	Jun.
24,343	178	24,165	2,589	8	4,711	1,906	254,976	131,498	Jul.
24,981	311	24,670	2,455	9	5,138	1,672	262,187	126,301	Aug.
23,219	295	22,924	2,456	8	5,344	1,832	249,859	111,792	Sep.
26,379	129	26,250	2,458	8	4,685	1,812	246,752	108,150	Oct.
25,081	430	24,651	2,916	8	4,647	1,323	225,417	96,680	Nov.
25,792	273	25,519	1,887	8	5,287	1,356	255,856	115,492	Dec.

廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	蒸気 Steam t	紙(2) Paper		ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl				
15,371	98,433	724,333	-	5,308,914	378,888	69	6,132	857	C.Y. 2017
16,476	103,888	734,373	-	5,219,083	347,433	42	6,023	849	C.Y. 2018
15,348	96,067	668,956	-	4,979,237	313,983	31	4,701	904	C.Y. 2019
15,580	107,005	551,825	80	4,374,988	295,481	26	3,794	673	C.Y. 2020
16,477	126,884	656,021	-	4,514,839	291,582	36	3,864	792	C.Y. 2021
16,523	93,471	653,601	-	4,919,895	308,574	28	4,572	838	F.Y. 2019
15,434	114,516	546,389	80	4,272,940	306,846	29	3,752	738	F.Y. 2020
4,650	32,827	143,795	-	1,173,337	80,509	9	991	211	Q1 2021
4,299	29,082	182,811	-	1,087,762	75,524	9	1,008	200	Q2
3,279	34,206	142,723	-	1,140,484	65,478	9	798	175	Q3
4,249	30,769	186,692	-	1,113,255	70,070	9	1,068	207	Q4
1,549	11,519	47,449	-	400,184	28,382	3	301	72	Jan. 2021
1,458	9,544	48,533	-	361,500	25,167	3	332	68	Feb.
1,643	11,764	47,813	-	411,652	26,960	3	358	71	Mar.
1,419	7,959	71,681	-	376,352	21,284	3	321	63	Apr.
1,369	10,879	60,704	-	373,903	24,319	3	349	68	May
1,510	10,244	50,427	-	337,507	29,922	3	338	68	Jun.
680	10,588	42,841	-	377,479	24,258	3	293	58	Jul.
1,250	12,539	47,898	-	391,125	22,040	3	264	57	Aug.
1,349	11,080	51,984	-	371,881	19,181	3	242	60	Sep.
1,517	7,467	62,424	-	376,030	21,617	3	350	62	Oct.
1,535	11,030	64,527	-	360,085	25,777	3	407	63	Nov.
1,197	12,272	59,741	-	377,141	22,675	3	311	82	Dec.

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	回収黒液 Black liquor 絶乾(Dry)t	廃材 Waste material 絶乾(Dry)t	Year, Quarter &Month
4,653,224	2,518,599	-	57,504	24,856	221,801	237,890	6,041,088	745,840	C.Y. 2017
4,584,466	2,466,879	-	55,738	25,257	222,480	238,633	5,941,127	744,678	C.Y. 2018
4,380,380	2,373,339	-	51,491	16,203	227,851	244,363	5,763,196	645,812	C.Y. 2019
3,814,940	2,038,179	-	49,222	10,496	213,483	228,114	4,953,215	573,099	C.Y. 2020
3,954,279	1,966,496	-	51,496	11,894	222,387	235,467	5,156,851	587,476	C.Y. 2021
4,325,490	2,295,082	-	50,924	13,513	225,539	241,784	5,824,435	621,480	F.Y. 2019
3,706,049	2,003,464	-	50,099	10,316	214,149	228,110	4,656,742	554,696	F.Y. 2020
1,028,794	546,448	-	15,348	3,161	57,294	60,607	1,284,131	143,800	Q1 2021
942,043	463,172	-	9,766	2,411	54,756	57,994	1,245,398	143,534	Q2
1,011,576	506,345	-	12,630	2,859	52,831	55,990	1,316,406	149,796	Q3
971,866	450,531	-	13,752	3,463	57,506	60,877	1,310,916	150,345	Q4
351,047	191,622	-	5,154	1,039	18,577	19,667	438,709	45,160	Jan. 2021
315,760	168,464	-	4,555	1,175	18,771	19,840	390,094	43,676	Feb.
361,987	186,361	-	5,639	947	19,947	21,099	455,328	54,964	Mar.
330,497	164,432	-	4,531	729	19,079	20,185	434,350	52,306	Apr.
326,226	162,717	-	2,178	782	17,891	18,984	437,054	46,399	May
285,320	136,023	-	3,057	900	17,787	18,825	373,994	44,829	Jun.
332,549	177,387	-	3,635	1,031	17,027	17,963	416,731	48,951	Jul.
348,476	175,996	-	4,728	858	17,032	18,137	455,376	48,781	Aug.
330,551	152,962	-	4,267	970	18,773	19,890	444,300	52,065	Sep.
330,569	149,122	-	4,984	1,157	18,280	19,325	470,159	48,603	Oct.
310,323	140,563	-	3,789	1,167	20,212	21,410	406,304	53,341	Nov.
330,975	160,847	-	4,979	1,139	19,013	20,141	434,453	48,402	Dec.

年 月	紙(2)(つづき) Paper (continued)					板紙(3) Paperboard →		
	廃タイヤ	廃プラスチック	RPF	電力	蒸気	計	石油系燃料	灯油
	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	(原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	Kerosene
	t	t	t	1000kwh	t	kl	kl	kl
平成 29 年	96,512	30,383	195,290	2,786,601	254,378	2,162,515	108,352	1,078
30 年	97,050	30,722	195,403	2,895,944	257,416	2,267,833	119,116	1,142
令和 1 年	80,776	27,724	179,626	2,709,453	474,984	2,232,619	116,130	1,235
2 年	74,834	28,460	174,913	2,379,119	625,763	2,143,421	97,889	1,000
3 年	82,679	27,742	202,806	2,450,783	593,123	2,226,776	101,304	992
令和 1 年度	77,660	28,818	173,624	2,665,430	548,069	2,209,359	107,859	1,115
2 年	73,978	28,290	181,525	2,334,771	620,022	2,148,879	105,618	1,119
3 年 1~3月	20,448	8,030	52,144	575,135	152,375	556,801	32,454	339
4~6	17,130	7,393	46,863	644,201	148,570	553,826	27,145	245
7~9	25,262	5,867	54,380	585,141	130,187	546,499	20,185	269
10~12	19,839	6,452	49,420	646,307	161,991	569,650	21,520	139
3 年 1月	6,927	2,664	17,000	187,597	47,809	182,472	12,712	127
2 月	5,947	2,521	15,847	186,831	46,197	175,688	13,517	142
3 月	7,574	2,845	19,297	200,707	58,369	198,642	6,224	71
4 月	4,885	2,498	14,854	224,887	52,825	183,128	5,670	53
5 月	6,202	2,222	16,881	213,743	50,275	187,504	10,557	136
6 月	6,042	2,673	15,128	205,571	45,469	183,194	10,918	56
7 月	8,867	1,043	17,142	189,932	43,467	189,575	5,589	32
8 月	8,696	2,223	19,259	192,154	39,558	171,588	8,051	130
9 月	7,698	2,600	17,979	203,056	47,163	185,335	6,545	107
10 月	4,815	2,882	13,456	216,515	53,560	193,817	8,460	31
11 月	6,832	2,701	18,296	217,082	54,849	190,138	6,217	41
12 月	8,192	868	17,667	212,710	53,582	185,695	6,843	66

年 月	板紙(3)(つづき) Paperboard (continued) →							
	天然ガス	液化天然ガス	都市ガス(A)	都市ガス(B)	回収黒液	廃材	廃タイヤ	廃プラスチック
	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Black liquor	Waste material	Used tires	Waste plastic
	1000m ³	t	1000m ³	1000m ³	絶乾(Dry)t	絶乾(Dry)t	t	t
平成 29 年	2,449	74,479	424,124	460,362	401,618	658,583	39,842	287
30 年	2,448	73,709	430,737	467,768	512,197	776,548	39,427	310
令和 1 年	2,071	73,073	427,294	464,114	502,950	776,363	42,709	246
2 年	1,980	70,100	409,921	445,041	467,324	748,107	41,918	1,651
3 年	4,398	71,557	421,576	458,421	517,057	752,008	50,464	2,442
令和 1 年度	1,932	72,407	422,194	458,621	497,247	779,198	41,132	246
2 年	2,086	70,329	409,759	444,801	465,136	734,036	45,997	1,800
3 年 1~3月	600	18,626	105,628	114,697	123,333	182,196	14,194	212
4~6	924	17,620	106,344	115,629	132,989	179,127	10,024	1,349
7~9	1,324	17,263	98,187	106,849	121,159	196,934	14,384	481
10~12	1,550	18,048	111,417	121,247	139,576	193,750	11,862	399
3 年 1月	248	6,107	34,778	37,802	42,569	54,021	4,073	31
2 月	196	6,035	32,619	35,384	39,025	58,349	4,707	97
3 月	156	6,484	38,231	41,510	41,739	69,827	5,415	85
4 月	535	5,862	35,964	39,083	39,022	62,012	3,308	64
5 月	68	6,081	34,416	37,360	50,540	52,545	3,559	569
6 月	321	5,678	35,964	39,186	43,428	64,570	3,157	715
7 月	506	6,128	36,045	39,240	42,647	67,224	5,209	163
8 月	416	4,929	29,549	32,146	37,167	60,954	4,521	150
9 月	401	6,205	32,592	35,463	41,345	68,755	4,653	168
10 月	528	6,168	37,321	40,652	47,348	66,070	4,203	186
11 月	492	6,067	37,049	40,317	45,125	68,539	3,328	177
12 月	530	5,814	37,048	40,277	47,103	59,142	4,331	36

年 月	その他の紙製品(つづき) Other paper products (continued) →							
	B・C重油	炭化水素油	液化石油ガス	オイルコークス	再生油	非石油系燃料	石炭	液化天然ガス
	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Liquefied natural gas
	kl	kl	t	t	kl	kl	t	t
平成 29 年	6,046	-	555	-	-	21,182	3,451	4,976
30 年	6,585	-	537	-	-	21,944	5,877	4,724
令和 1 年	6,633	-	485	-	-	17,523	3,859	3,385
2 年	5,779	-	463	-	-	15,478	2,982	2,631
3 年	5,237	-	509	-	-	18,386	4,409	2,643
令和 1 年度	6,689	-	493	-	-	16,365	3,547	2,776
2 年	5,662	-	455	-	-	15,933	3,002	2,640
3 年 1~3月	1,528	-	128	-	-	4,504	744	694
4~6	1,588	-	126	-	-	4,406	1,156	676
7~9	1,126	-	127	-	-	4,569	1,206	632
10~12	995	-	128	-	-	4,906	1,302	641
3 年 1月	423	-	38	-	-	1,510	321	221
2 月	558	-	44	-	-	1,526	262	223
3 月	547	-	46	-	-	1,469	161	250
4 月	606	-	38	-	-	1,306	243	228
5 月	575	-	42	-	-	1,461	425	213
6 月	407	-	46	-	-	1,639	489	235
7 月	575	-	44	-	-	1,561	365	240
8 月	498	-	38	-	-	1,382	451	176
9 月	53	-	45	-	-	1,626	390	216
10 月	11	-	47	-	-	1,637	464	206
11 月	731	-	38	-	-	1,590	339	216
12 月	252	-	44	-	-	1,680	500	219

軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	Year, Quarter &Month
Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	
kl	kl	kl	kl	kl	t	kl	kl	t	
661	91,069	19,300	71,768	-	6,683	686	1,896,390	1,078,881	C.Y. 2017
683	105,104	19,421	85,683	-	3,370	535	1,989,478	1,069,652	C.Y. 2018
621	106,346	20,427	85,920	-	217	392	1,969,817	1,047,685	C.Y. 2019
562	89,087	14,224	74,863	-	206	673	1,913,967	1,033,322	C.Y. 2020
610	92,110	14,555	77,555	-	226	1,039	1,987,649	1,019,138	C.Y. 2021
602	98,539	16,714	81,826	-	214	439	1,959,816	1,045,817	F.Y. 2019
580	96,148	14,468	81,680	-	210	723	1,913,391	1,024,042	F.Y. 2020
156	29,606	3,429	26,177	-	56	182	492,825	256,082	Q1 2021
153	24,819	5,864	18,955	-	61	304	490,765	251,861	Q2
142	18,218	1,982	16,236	-	51	189	492,236	255,490	Q3
159	19,467	3,280	16,187	-	58	364	511,823	255,705	Q4
51	11,593	866	10,727	-	17	62	159,332	86,770	Jan. 2021
48	12,357	1,111	11,246	-	20	46	151,701	74,883	Feb.
57	5,656	1,452	4,204	-	19	73	181,792	94,429	Mar.
54	5,027	677	4,350	-	21	155	166,087	86,666	Apr.
48	9,614	1,633	7,980	-	20	91	164,858	88,456	May
51	10,179	3,554	6,625	-	20	58	159,820	76,738	Jun.
51	5,056	672	4,384	-	19	71	172,564	89,263	Jul.
45	7,276	692	6,584	-	16	55	152,662	80,239	Aug.
47	5,886	618	5,268	-	16	64	167,010	85,988	Sep.
55	7,725	2,054	5,671	-	17	159	173,040	87,467	Oct.
52	5,589	628	4,962	-	21	105	171,871	85,443	Nov.
52	6,152	598	5,554	-	20	100	166,912	82,795	Dec.

RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	その他の紙製品 Other paper products		灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	Year, Quarter &Month
			計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)					
t	1000kwh	t	kl	kl	kl	kl	kl	kl	
177,532	1,652,393	58,770	38,942	8,529	597	77	6,653	607	C.Y. 2017
184,631	1,669,862	56,459	40,695	9,061	539	80	7,216	631	C.Y. 2018
185,415	1,533,885	57,662	37,375	8,894	483	90	7,157	524	C.Y. 2019
187,937	1,366,163	64,812	34,218	7,803	398	101	6,238	460	C.Y. 2020
213,459	1,431,851	66,951	37,088	7,158	380	78	5,642	405	C.Y. 2021
185,777	1,481,527	55,952	37,059	8,972	495	95	7,205	516	F.Y. 2019
193,051	1,346,466	66,803	34,408	7,611	372	95	6,104	442	F.Y. 2020
50,553	326,990	15,971	9,411	2,053	105	20	1,646	118	Q1 2021
52,771	369,573	22,245	9,145	2,067	68	19	1,693	105	Q2
55,103	355,864	14,097	9,213	1,591	108	20	1,215	89	Q3
55,033	379,424	14,638	9,320	1,446	99	19	1,088	94	Q4
13,544	108,266	5,156	3,034	582	42	6	453	30	Jan. 2021
16,210	108,670	5,213	3,205	751	35	6	609	51	Feb.
20,798	110,054	5,602	3,172	721	28	7	583	36	Mar.
19,072	116,964	7,093	2,986	773	22	6	649	43	Apr.
17,830	125,582	5,894	3,064	720	22	7	592	16	May
15,869	127,027	9,259	3,095	574	24	6	453	45	Jun.
17,535	119,740	4,099	3,306	735	29	6	599	23	Jul.
18,699	113,201	5,000	3,048	662	48	7	521	23	Aug.
18,870	122,924	4,998	2,858	194	32	6	96	43	Sep.
17,263	128,867	4,766	2,780	130	39	6	26	14	Oct.
18,964	125,909	4,878	3,466	933	31	6	790	59	Nov.
18,805	124,648	4,994	3,075	383	28	6	273	20	Dec.

都市ガス (A)	都市ガス (B)	回収黒液	廃材	RPF	電力	蒸気	Year, Quarter &Month
Town gas(A)	Town gas(B)	Black liquor	Waste material	Refuse Paper & Plastic Fuel	Electricity	Steam	
1000m ³	1000m ³	絶乾(Dry)t	絶乾(Dry)t	t	1000kwh	t	
10,235	10,500	-	1,706	1	94,119	6,886	C.Y. 2017
10,046	10,331	-	960	1	98,849	7,160	C.Y. 2018
9,077	9,390	-	485	11	91,911	34,836	C.Y. 2019
8,618	8,805	-	932	56	87,119	40,977	C.Y. 2020
9,432	9,622	1,945	1,671	52	91,581	43,762	C.Y. 2021
8,993	9,300	-	469	27	91,580	46,324	F.Y. 2019
8,931	9,093	-	1,187	54	86,619	40,594	F.Y. 2020
2,613	2,652	-	443	14	21,026	12,980	Q1 2021
2,194	2,256	390	291	13	21,909	9,155	Q2
2,190	2,239	846	407	10	25,848	9,368	Q3
2,434	2,475	709	530	15	22,797	12,260	Q4
840	848	-	171	7	6,784	4,497	Jan. 2021
899	915	-	135	3	6,740	4,362	Feb.
874	889	-	136	4	7,502	4,121	Mar.
712	735	-	81	6	7,326	3,262	Apr.
722	742	121	92	4	7,161	3,125	May
760	779	269	118	3	7,422	2,768	Jun.
751	761	294	140	3	8,434	3,262	Jul.
625	641	274	112	3	8,770	2,727	Aug.
815	837	279	155	3	8,644	3,379	Sep.
788	801	279	184	3	8,261	3,529	Oct.
852	868	153	174	5	7,350	3,751	Nov.
793	806	277	171	6	7,187	4,979	Dec.

② 化学工業製品

Chemical products

直接投入エネルギー表 Table of direct input energy

年 月	化学工業 Chemical industry							
	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	原油 Crude petroleum	NGL・コンデンセート Natural gas liquids Condensate	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	79,656,381	59,606,569	24,206	277,040	211	31,312,667	19,689,000	909,963
30	76,687,718	56,716,007	24,048	224,228	210	28,691,116	19,809,452	800,194
令和 1 年	76,891,130	57,073,548	9,651	54,012	202	30,775,533	17,872,583	915,944
2	69,147,542	50,730,825	67	-	187	29,285,828	14,662,456	720,754
3	72,067,160	53,290,250	-	123,237	198	30,847,139	15,101,547	675,338
令和 1 年度	75,377,745	55,782,671	3,009	54,012	199	30,706,587	17,089,832	792,093
2	68,985,218	50,578,505	-	-	184	29,582,541	14,269,571	735,613
3 年 1~3月	17,925,984	13,139,603	-	-	44	7,872,553	3,628,863	144,073
4~6	17,098,364	12,449,262	-	-	48	7,508,841	3,240,262	114,035
7~9	18,166,108	13,465,881	-	5,857	52	7,429,010	4,015,721	236,248
10~12	18,876,703	14,235,505	-	117,380	54	8,036,735	4,216,701	180,982
3 年 1月	6,300,126	4,619,419	-	-	15	2,647,980	1,359,400	83,253
2	5,532,792	4,013,995	-	-	14	2,451,953	1,067,477	57,156
3	6,093,066	4,506,189	-	-	15	2,772,620	1,201,986	3,664
4	5,969,177	4,366,572	-	-	17	2,659,590	1,165,343	2,821
5	5,819,395	4,236,525	-	-	15	2,532,738	1,094,712	35,254
6	5,309,793	3,846,166	-	-	16	2,316,513	980,207	75,960
7	5,697,906	4,145,309	-	-	19	2,342,935	1,176,265	62,239
8	6,217,789	4,618,549	-	-	16	2,514,378	1,406,751	87,850
9	6,250,414	4,702,022	-	5,857	17	2,571,697	1,432,705	86,159
10	6,271,659	4,733,787	-	56,444	18	2,679,281	1,337,544	78,603
11	6,094,550	4,596,382	-	47,444	18	2,572,423	1,398,378	31,012
12	6,510,494	4,905,336	-	13,492	18	2,785,031	1,480,779	71,367

年 月	化学工業(つづき) Chemical industry (continued)							
	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	天然ガス Natural gas
	kl	kl	t	t	t	1000m ³	1000m ³	1000m ³
平成 29 年	1,320	10,013,997	11,729,699	154,679	407,967	1,251,350	1,159,726	170,281
30	1,520	10,229,901	11,894,966	152,771	437,729	1,296,028	1,279,371	180,721
令和 1 年	1,323	9,994,793	11,696,538	159,724	403,884	1,303,676	1,240,346	154,421
2	1,822	9,207,635	10,625,697	157,016	385,780	1,175,887	1,226,709	165,580
3	1,873	9,287,343	10,518,392	153,372	418,767	1,167,665	1,285,737	152,962
令和 1 年度	1,437	9,844,428	11,475,327	151,212	392,675	1,272,731	1,271,908	169,855
2	1,765	9,240,887	10,652,598	156,443	393,440	1,172,420	1,229,790	143,865
3 年 1~3月	441	2,395,643	2,718,420	35,391	112,054	296,094	329,653	38,694
4~6	352	2,403,960	2,739,398	38,246	108,001	305,916	312,979	35,610
7~9	504	2,279,525	2,589,617	35,327	82,407	280,801	319,023	36,470
10~12	576	2,208,216	2,470,957	44,408	116,305	284,854	324,082	42,188
3 年 1月	168	824,888	927,990	11,811	35,550	102,249	109,776	16,559
2	163	775,111	888,773	12,377	38,130	93,958	109,776	11,301
3	110	795,643	901,657	11,203	38,374	99,887	110,101	10,834
4	130	807,992	912,987	12,515	40,486	100,698	104,183	13,876
5	112	829,253	946,381	12,809	37,045	106,616	106,662	12,880
6	110	766,715	880,030	12,922	30,470	98,602	102,134	8,854
7	110	775,776	904,495	9,958	13,264	96,033	106,361	11,115
8	202	760,161	855,629	12,791	28,948	93,275	107,607	12,979
9	192	743,588	829,493	12,578	40,195	91,493	105,055	12,376
10	199	748,076	841,486	16,202	34,908	95,594	109,502	14,458
11	197	708,620	805,222	13,585	38,435	93,091	103,522	14,282
12	180	751,519	824,249	14,621	42,962	96,169	111,058	13,448

年 月	化学工業製品小計(1~5) Chemical products total							
	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	NGL・コンデンセート Natural gas liquids Condensate	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	66,954,339	58,927,448	277,040	34	31,211,880	19,689,000	871,254	170,714
30	63,810,821	56,019,137	224,228	36	28,589,677	19,809,452	759,814	152,168
令和 1 年	64,188,026	56,372,924	54,012	32	30,676,616	17,872,583	873,739	172,215
2	57,508,058	50,125,484	-	27	29,194,863	14,662,456	681,386	114,849
3	60,216,483	52,611,349	123,207	27	30,744,065	15,101,547	640,523	153,553
令和 1 年度	62,883,114	55,108,277	54,012	29	30,609,379	17,089,832	749,905	145,600
2	57,316,692	49,965,390	-	28	29,491,379	14,269,571	699,512	140,539
3 年 1~3月	14,892,047	12,974,550	-	7	7,845,859	3,628,863	136,606	46,989
4~6	14,105,686	12,290,691	-	8	7,486,066	3,240,262	105,945	46,428
7~9	15,228,244	13,284,616	5,857	6	7,399,561	4,015,721	226,849	36,302
10~12	15,990,506	14,061,492	117,350	6	8,012,579	4,216,701	171,123	23,834
3 年 1月	5,250,269	4,561,557	-	2	2,638,445	1,359,400	80,481	16,614
2	4,559,928	3,964,459	-	2	2,444,403	1,067,477	54,965	14,780
3	5,081,850	4,448,533	-	3	2,763,011	1,201,986	1,160	15,595
4	4,945,641	4,309,730	-	3	2,650,237	1,165,343	285	15,605
5	4,796,012	4,186,239	-	3	2,526,723	1,094,712	32,572	16,438
6	4,364,033	3,794,722	-	2	2,309,106	980,207	73,088	14,385
7	4,704,704	4,084,153	-	2	2,331,199	1,176,265	58,848	16,051
8	5,227,880	4,557,404	-	2	2,504,243	1,406,751	84,685	16,377
9	5,295,660	4,643,059	5,857	2	2,564,119	1,432,705	83,316	3,874
10	5,304,599	4,673,674	56,444	2	2,672,367	1,337,544	75,236	1
11	5,151,734	4,539,200	47,444	2	2,563,844	1,398,378	28,018	8,288
12	5,534,173	4,848,619	13,462	2	2,776,368	1,480,779	67,869	15,545

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	Year, Quarter & Month
173,387	699,201	19,825	679,376	392,792	4,935,725	4,433,522	581,569	C.Y. 2017
154,882	592,634	26,422	566,212	392,783	4,741,187	4,326,390	506,542	C.Y. 2018
175,909	614,013	19,962	594,051	390,326	4,920,541	4,352,338	580,904	C.Y. 2019
118,362	585,080	20,388	564,692	391,728	3,901,271	4,014,804	478,605	C.Y. 2020
156,955	547,997	19,334	528,663	404,971	4,477,340	4,130,176	516,919	C.Y. 2021
149,364	594,758	20,042	574,716	387,011	4,731,834	4,262,855	586,908	F.Y. 2019
143,928	548,748	19,885	528,863	400,757	3,929,494	4,000,597	435,799	F.Y. 2020
47,640	129,929	4,573	125,356	99,604	1,060,379	998,825	105,068	Q1 2021
47,446	83,674	4,875	78,799	85,795	1,098,852	980,543	137,802	Q2
37,185	166,784	4,955	161,829	162,550	1,187,377	1,031,608	149,942	Q3
24,684	167,610	4,931	162,679	117,022	1,130,732	1,119,200	124,107	Q4
16,830	47,137	1,619	45,518	37,138	378,652	342,543	36,191	Jan. 2021
14,978	39,480	1,326	38,154	28,504	320,294	307,606	16,036	Feb.
15,832	43,312	1,628	41,684	33,962	361,433	348,676	52,841	Mar.
15,950	38,351	1,730	36,621	38,245	367,760	345,966	37,182	Apr.
16,772	30,317	1,952	28,365	26,625	383,077	344,845	50,648	May
14,724	15,006	1,193	13,813	20,925	348,015	289,732	49,972	Jun.
16,384	46,119	1,769	44,350	26,352	379,942	317,939	49,175	Jul.
16,629	60,717	1,484	59,233	37,840	403,084	349,054	51,380	Aug.
4,172	59,948	1,702	58,246	38,358	404,351	364,615	49,387	Sep.
316	59,308	1,383	57,925	36,297	396,008	364,797	50,354	Oct.
8,559	60,969	1,814	59,155	38,902	346,906	372,070	45,686	Nov.
15,809	47,333	1,734	45,599	41,823	387,818	382,333	28,067	Dec.

液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter & Month
361,985	145,351	155,300	613	81,584	-	36,087,325	96,624,909	C.Y. 2017
389,567	142,769	152,696	21	77,154	-	35,475,171	93,195,296	C.Y. 2018
349,018	142,250	152,105	-	91,279	-	35,844,813	93,869,371	C.Y. 2019
358,237	138,641	147,747	-	82,596	-	33,927,075	87,571,594	C.Y. 2020
365,714	171,205	181,576	-	87,385	-	35,717,083	89,220,469	C.Y. 2021
355,333	142,675	152,291	-	93,179	-	35,698,349	93,022,779	F.Y. 2019
368,184	137,460	146,447	-	82,028	-	33,888,567	86,997,624	F.Y. 2020
104,540	33,992	36,165	-	17,672	-	8,714,101	22,860,121	Q1 2021
93,115	40,565	43,115	-	23,588	-	8,486,548	21,059,975	Q2
99,538	45,685	48,385	-	24,157	-	9,425,863	22,335,738	Q3
68,521	50,963	53,911	-	21,968	-	9,090,571	22,964,635	Q4
37,588	13,158	13,929	-	7,992	-	3,121,692	8,180,229	Jan. 2021
31,568	9,235	9,914	-	3,579	-	2,730,471	7,084,465	Feb.
35,384	11,599	12,322	-	6,101	-	2,861,938	7,595,427	Mar.
32,039	12,692	13,503	-	8,668	-	2,961,787	7,509,941	Apr.
31,104	14,069	14,948	-	7,851	-	2,822,539	7,104,239	May
29,972	13,804	14,664	-	7,069	-	2,702,222	6,445,795	Jun.
36,525	13,235	14,114	-	8,603	-	3,071,517	7,104,861	Jul.
33,964	16,058	16,986	-	8,547	-	3,277,895	7,727,812	Aug.
29,049	16,392	17,285	-	7,007	-	3,076,451	7,503,065	Sep.
24,064	16,299	17,269	-	8,322	-	3,016,272	7,366,936	Oct.
14,889	16,193	17,065	-	6,743	-	2,933,660	7,474,505	Nov.
29,568	18,471	19,577	-	6,903	-	3,140,639	8,123,194	Dec.

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	再生油(石油由来) Reproduction oil (Oil origin) kl	Year, Quarter & Month
584,400	6,702	577,698	367,985	4,749,818	4,403,654	454,734	-	C.Y. 2017
476,610	4,294	472,316	365,492	4,556,525	4,284,677	379,658	-	C.Y. 2018
508,690	5,588	503,102	346,922	4,720,020	4,316,711	457,254	-	C.Y. 2019
485,757	5,683	480,074	348,096	3,741,531	3,979,069	376,807	-	C.Y. 2020
443,205	5,070	438,135	354,277	4,272,138	4,103,832	415,772	-	C.Y. 2021
489,566	6,159	483,407	336,774	4,550,812	4,232,400	455,566	-	F.Y. 2019
448,918	4,978	443,940	359,147	3,749,878	3,968,044	347,669	-	F.Y. 2020
104,131	961	103,170	87,291	1,007,326	994,256	83,115	-	Q1 2021
58,461	1,569	56,892	74,701	1,053,202	975,716	107,547	-	Q2
139,592	1,417	138,175	88,638	1,134,391	1,024,783	121,402	-	Q3
141,021	1,123	139,898	103,647	1,077,219	1,109,077	103,708	-	Q4
37,885	503	37,382	32,697	358,283	340,354	32,831	-	Jan. 2021
31,890	298	31,592	24,823	305,298	306,251	7,350	-	Feb.
34,356	160	34,196	29,771	343,745	347,651	42,934	-	Mar.
30,703	436	30,267	34,199	350,686	343,996	26,873	-	Apr.
21,457	785	20,672	22,863	369,042	342,715	41,608	-	May
6,301	348	5,953	17,639	333,474	289,005	39,066	-	Jun.
36,852	554	36,298	22,296	362,858	315,458	39,985	-	Jul.
51,827	438	51,389	32,446	385,083	347,078	42,125	-	Aug.
50,913	425	50,488	33,896	386,450	362,247	39,292	-	Sep.
50,395	241	50,154	32,334	376,505	361,314	42,239	-	Oct.
51,719	370	51,349	34,582	329,822	368,709	39,179	-	Nov.
38,907	512	38,395	36,731	370,892	379,054	22,290	-	Dec.

年 月	化学工業製品小計(1~5)(つづき) Chemical products total (continued)							
	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
	kl	t	t	1000m ³	1000m ³	1000m ³	t	1000m ³
平成 29 年	629,792	590	31,360	16,461	-	70,806	273,309	85,592
30 年	658,851	889	31,198	15,376	-	72,469	292,055	86,958
令和 1 年	598,855	469	30,230	13,940	-	56,360	260,150	85,073
2 年	605,588	770	29,887	13,385	-	57,837	273,717	79,816
3 年	650,785	600	30,422	13,270	-	67,694	293,626	84,047
令和 1 年度	604,348	450	30,301	13,625	-	53,157	268,222	83,341
2 年	612,997	845	29,788	13,256	-	56,697	281,047	79,087
3 年 1~3月	166,656	169	8,000	3,173	-	16,549	81,568	17,640
4~6	166,604	228	8,054	3,426	-	16,166	74,867	21,767
7~9	173,579	66	6,079	3,478	-	13,977	81,642	23,068
10~12	143,945	137	8,289	3,193	-	21,002	55,549	21,572
3 年 1月	64,519	16	2,678	1,096	-	8,160	29,148	7,295
2 月	46,749	138	2,517	1,059	-	4,472	24,012	4,618
3 月	55,388	15	2,805	1,018	-	3,917	28,408	5,727
4 月	56,162	150	2,708	1,110	-	6,288	24,716	6,994
5 月	55,490	47	2,703	1,119	-	4,972	25,310	7,423
6 月	54,952	31	2,643	1,197	-	4,906	24,841	7,350
7 月	57,955	11	1,009	1,243	-	3,349	28,560	7,441
8 月	59,108	26	2,325	1,062	-	4,777	27,632	7,644
9 月	56,516	29	2,745	1,173	-	5,851	25,450	7,983
10 月	51,529	45	2,727	1,146	-	7,753	20,605	6,811
11 月	36,479	18	2,760	966	-	7,025	10,320	7,604
12 月	55,937	74	2,802	1,081	-	6,224	24,624	7,157

年 月	石油化学製品計(1~2)(つづき) Petrochemical products total(continued)							
	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	34	31,211,865	19,689,000	871,254	170,714	577,129	6,699	570,430
30 年	36	28,589,677	19,809,452	759,814	152,168	475,928	4,279	471,649
令和 1 年	32	30,676,616	17,872,583	873,739	172,215	508,689	5,587	503,102
2 年	27	29,194,863	14,662,456	681,386	114,849	485,757	5,683	480,074
3 年	27	30,744,065	15,101,547	640,523	153,553	443,205	5,070	438,135
令和 1 年度	29	30,609,379	17,089,832	749,905	145,600	489,565	6,158	483,407
2 年	28	29,491,379	14,269,571	699,512	140,539	448,918	4,978	443,940
3 年 1~3月	7	7,845,859	3,628,863	136,606	46,989	104,131	961	103,170
4~6	8	7,486,066	3,240,262	105,945	46,428	58,461	1,569	56,892
7~9	6	7,399,561	4,015,721	226,849	36,302	139,592	1,417	138,175
10~12	6	8,012,579	4,216,701	171,123	23,834	141,021	1,123	139,898
3 年 1月	2	2,638,445	1,359,400	80,481	16,614	37,885	503	37,382
2 月	2	2,444,403	1,067,477	54,965	14,780	31,890	298	31,592
3 月	3	2,763,011	1,201,986	1,160	15,595	34,356	160	34,196
4 月	3	2,650,237	1,165,343	285	15,605	30,703	436	30,267
5 月	3	2,526,723	1,094,712	32,572	16,438	21,457	785	20,672
6 月	2	2,309,106	980,207	73,088	14,385	6,301	348	5,953
7 月	2	2,331,199	1,176,265	58,848	16,051	36,852	554	36,298
8 月	2	2,504,243	1,406,751	84,685	16,377	51,827	438	51,389
9 月	2	2,564,119	1,432,705	83,316	3,874	50,913	425	50,488
10 月	2	2,672,367	1,337,544	75,236	1	50,395	241	50,154
11 月	2	2,563,844	1,398,378	28,018	8,288	51,719	370	51,349
12 月	2	2,776,368	1,480,779	67,869	15,545	38,907	512	38,395

年 月	石油化学製品計(1~2)(つづき) Petrochemical products total (continued)							石油化学製品
	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)
	t	1000m ³	1000m ³	t	t	1000kWh	t	kl
平成 29 年	121,295	56,654	61,326	-	-	13,007,853	69,893,510	53,056,948
30 年	120,752	55,720	60,346	-	-	12,678,083	66,854,784	50,331,625
令和 1 年	120,446	55,106	59,684	-	-	12,887,013	67,776,219	50,611,060
2 年	108,036	53,302	57,685	-	-	11,966,759	63,677,927	44,837,736
3 年	126,785	56,283	60,936	-	-	12,731,999	64,019,359	46,486,476
令和 1 年度	116,181	53,799	58,239	-	-	12,720,108	67,464,584	49,452,390
2 年	113,829	53,299	57,689	-	-	11,999,668	63,027,301	44,553,341
3 年 1~3月	33,875	13,211	14,284	-	-	3,062,293	16,307,284	11,501,507
4~6	30,089	14,378	15,551	-	-	3,085,584	15,152,213	10,830,019
7~9	32,446	14,663	15,928	-	-	3,345,260	16,178,643	11,743,077
10~12	30,375	14,031	15,173	-	-	3,238,862	16,381,219	12,411,873
3 年 1月	12,838	5,077	5,488	-	-	1,093,779	5,789,887	4,048,220
2 月	9,056	4,442	4,810	-	-	961,770	5,123,938	3,527,969
3 月	11,981	3,692	3,986	-	-	1,006,744	5,393,459	3,925,318
4 月	10,066	4,501	4,863	-	-	1,039,314	5,341,043	3,801,848
5 月	10,505	4,937	5,339	-	-	1,071,915	5,156,156	3,674,131
6 月	9,518	4,940	5,349	-	-	974,355	4,655,014	3,354,040
7 月	11,451	4,836	5,263	-	-	1,072,911	5,085,093	3,604,145
8 月	10,882	4,872	5,309	-	-	1,164,666	5,578,674	4,033,761
9 月	10,113	4,955	5,356	-	-	1,107,683	5,514,876	4,105,172
10 月	10,601	4,650	5,029	-	-	1,055,435	5,287,096	4,129,318
11 月	9,197	4,953	5,356	-	-	1,054,474	5,285,639	3,991,458
12 月	10,577	4,428	4,788	-	-	1,128,953	5,808,484	4,291,096

都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	石油化学製品計(1~2) Petrochemical products total			Year, Quarter &Month
					計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	NGL・コンデンサート Natural gas liquids Condensate kl	
91,643	45,322	-	23,452,981	75,453,077	64,893,278	58,537,202	277,040	C.Y. 2017
93,085	44,663	-	23,069,633	72,145,768	61,811,483	55,696,017	224,228	C.Y. 2018
91,077	53,980	-	23,229,658	73,137,190	62,163,464	55,983,952	54,012	C.Y. 2019
85,465	43,751	-	22,012,881	68,419,796	55,587,023	49,794,307	-	C.Y. 2020
90,004	47,119	-	23,321,631	69,224,472	58,115,912	52,189,239	123,207	C.Y. 2021
89,181	53,781	-	23,142,121	72,592,998	60,848,527	54,716,969	54,012	F.Y. 2019
84,713	43,231	-	21,992,398	67,887,761	55,401,182	49,644,382	-	F.Y. 2020
18,925	7,026	-	5,697,175	17,662,698	14,379,705	12,886,865	-	Q1 2021
23,283	13,628	-	5,515,394	16,425,151	13,586,861	12,176,234	-	Q2
24,724	13,409	-	6,094,848	17,405,412	14,672,327	13,164,785	5,857	Q3
23,072	13,056	-	6,014,214	17,731,211	15,477,019	13,961,354	117,350	Q4
7,812	4,583	-	2,050,349	6,271,034	5,062,407	4,527,729	-	Jan. 2021
4,996	77	-	1,796,431	5,520,858	4,419,771	3,953,371	-	Feb.
6,117	2,366	-	1,850,395	5,870,806	4,897,527	4,405,765	-	Mar.
7,475	4,849	-	1,939,009	5,777,885	4,770,886	4,278,944	-	Apr.
7,942	4,196	-	1,809,018	5,584,401	4,624,372	4,142,530	-	May
7,866	4,583	-	1,767,367	5,062,865	4,191,603	3,754,760	-	Jun.
7,992	5,292	-	1,967,989	5,490,729	4,522,039	4,045,346	-	Jul.
8,205	4,986	-	2,104,223	6,012,993	5,036,418	4,516,249	-	Aug.
8,527	3,131	-	2,022,636	5,901,690	5,113,870	4,603,190	5,857	Sep.
7,294	4,583	-	1,984,958	5,710,951	5,125,957	4,633,406	56,444	Oct.
8,131	3,903	-	1,934,692	5,730,263	4,994,678	4,504,868	47,444	Nov.
7,647	4,570	-	2,094,564	6,289,997	5,356,385	4,823,080	13,462	Dec.

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	天然ガス Natural gas 1000m ³	Year, Quarter &Month
367,985	4,749,112	4,377,320	584	314,902	3,574	-	68,232	C.Y. 2017
365,492	4,555,663	4,260,192	626	315,011	3,298	-	70,070	C.Y. 2018
346,922	4,719,453	4,286,219	556	295,929	3,545	-	53,984	C.Y. 2019
348,096	3,740,714	3,945,102	555	278,019	2,216	-	56,160	C.Y. 2020
354,277	4,271,212	4,055,502	624	317,191	1,571	-	65,972	C.Y. 2021
336,774	4,550,252	4,198,724	614	285,042	3,298	-	51,136	F.Y. 2019
359,147	3,748,937	3,931,497	562	284,013	1,800	-	54,716	F.Y. 2020
87,291	1,007,058	982,121	200	80,793	369	-	15,980	Q1 2021
74,701	1,052,951	959,237	145	76,253	339	-	15,508	Q2
88,638	1,134,277	1,013,190	66	78,063	495	-	13,684	Q3
103,647	1,076,926	1,100,954	213	82,083	368	-	20,800	Q4
32,697	358,186	336,175	63	32,726	99	-	7,922	Jan. 2021
24,823	305,163	302,720	75	22,759	199	-	4,322	Feb.
29,771	343,709	343,226	62	25,308	71	-	3,736	Mar.
34,199	350,504	338,312	74	26,081	93	-	6,046	Apr.
22,863	369,016	336,694	71	25,728	53	-	4,719	May
17,639	333,431	284,231	-	24,444	193	-	4,743	Jun.
22,296	362,823	312,151	3	25,399	186	-	3,211	Jul.
32,446	385,043	343,380	20	26,222	116	-	4,682	Aug.
33,896	386,411	357,659	43	26,443	193	-	5,791	Sep.
32,334	376,468	358,329	69	28,919	152	-	7,753	Oct.
34,582	329,784	368,225	78	26,369	68	-	6,962	Nov.
36,731	370,674	374,400	66	26,795	148	-	6,085	Dec.

(原料用) (1) as Materials								Year, Quarter &Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	NGL・コンデンサート Natural gas liquids Condensate kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	
53,020,598	277,040	31,211,865	19,689,000	864,230	170,702	550,225	-		C.Y. 2017
50,296,278	224,228	28,589,677	19,809,452	757,225	152,159	451,272	-	C.Y. 2018
50,583,042	54,012	30,676,616	17,872,583	871,601	172,202	477,962	-	C.Y. 2019
44,818,136	-	29,194,863	14,662,456	679,143	114,832	460,543	-	C.Y. 2020
46,447,964	123,207	30,744,065	15,101,547	638,309	153,541	421,679	-	C.Y. 2021
49,427,139	54,012	30,609,379	17,089,832	747,655	145,583	459,533	-	F.Y. 2019
44,529,130	-	29,491,379	14,269,571	697,311	140,526	424,880	-	F.Y. 2020
11,492,273	-	7,845,859	3,628,863	135,989	46,986	98,180	-	Q1 2021
10,820,570	-	7,486,066	3,240,262	105,331	46,425	52,771	-	Q2
11,732,585	5,857	7,399,561	4,015,721	226,320	36,299	134,514	-	Q3
12,402,535	117,350	8,012,579	4,216,701	170,669	23,831	136,214	-	Q4
4,044,714	-	2,638,445	1,359,400	80,302	16,613	35,311	-	Jan. 2021
3,525,357	-	2,444,403	1,067,477	54,755	14,779	29,887	-	Feb.
3,922,203	-	2,763,011	1,201,986	932	15,594	32,982	-	Mar.
3,798,749	-	2,650,237	1,165,343	82	15,604	29,212	-	Apr.
3,670,544	-	2,526,723	1,094,712	32,368	16,437	19,073	-	May
3,351,278	-	2,309,106	980,207	72,881	14,384	4,486	-	Jun.
3,600,457	-	2,331,199	1,176,265	58,631	16,050	34,848	-	Jul.
4,030,566	-	2,504,243	1,406,751	84,527	16,376	50,026	-	Aug.
4,101,562	5,857	2,564,119	1,432,705	83,162	3,873	49,640	-	Sep.
4,126,298	56,444	2,672,367	1,337,544	75,099	-	49,185	-	Oct.
3,988,774	47,444	2,563,844	1,398,378	27,904	8,287	49,990	-	Nov.
4,287,464	13,462	2,776,368	1,480,779	67,666	15,544	37,039	-	Dec.

年 月		石油化学製品(原料用)(1)(つづき) as Materials (continued)							
		B・C重油	炭化水素油	液化石油ガス	石油系 炭化水素ガス	オイルコークス	非石油系燃料 (原油換算)	コークス炉 ガス	高炉ガス
		Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Hydrocarbon gas	Petroleum coke	Non-oil based fuels (Crude petroleum equivalent)	Coke oven gas	Blast furnace gas
		kl	kl	t	1000m ³	t	kl	1000m ³	1000m ³
平成	29 年	550,225	276,774	4,503,700	15,717	584	36,350	1,481	-
	30	451,272	272,100	4,290,416	18,221	626	35,347	1,466	-
令和	1 年	477,962	254,898	4,480,691	17,212	556	28,017	1,616	-
	2	460,543	258,002	3,517,104	18,174	555	19,601	903	-
	3	421,679	260,469	4,041,180	17,401	624	38,512	-	-
令和	1 年度	459,533	247,485	4,315,735	17,511	614	25,251	1,474	-
	2	424,880	265,594	3,525,078	17,990	562	24,211	478	-
	3 年 1~3月	98,180	63,756	948,985	4,650	200	9,234	-	-
	4~6	52,771	55,351	998,274	4,437	145	9,449	-	-
	7~9	134,514	65,392	1,079,622	2,792	66	10,492	-	-
	10~12	136,214	75,970	1,014,299	5,522	213	9,337	-	-
3 年	1月	35,311	23,831	334,980	1,613	63	3,507	-	-
	2	29,887	17,156	289,589	1,022	75	2,612	-	-
	3	32,982	22,769	324,416	2,015	62	3,115	-	-
	4	29,212	26,679	329,687	1,621	74	3,100	-	-
	5	19,073	16,242	352,641	1,877	71	3,587	-	-
	6	4,486	12,430	315,946	939	-	2,762	-	-
	7	34,848	15,841	343,391	479	3	3,688	-	-
	8	50,026	23,880	367,177	668	20	3,194	-	-
	9	49,640	25,671	369,054	1,645	43	3,610	-	-
	10	49,185	23,265	356,056	1,766	69	3,021	-	-
	11	49,990	25,550	312,801	1,848	78	2,684	-	-
	12	37,039	27,155	345,442	1,908	66	3,633	-	-

年 月		石油化学製品(動力・燃料用)(2)(つづき) for Driving power and fuels (continued)							
		重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系 炭化水素ガス	再生油 (石油由来)	非石油系燃料 (原油換算)
		Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Hydrocarbon gas	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)
		kl	kl	kl	kl	t	1000m ³	kl	kl
平成	29 年	26,904	6,699	20,205	91,211	245,412	4,361,603	-	278,552
	30	24,656	4,279	20,377	93,392	265,247	4,241,971	-	279,664
令和	1 年	30,727	5,587	25,140	92,024	238,762	4,269,007	-	267,912
	2	25,214	5,683	19,531	90,094	223,610	3,926,928	-	258,418
	3	21,526	5,070	16,456	93,808	230,032	4,038,101	-	278,680
令和	1 年度	30,032	6,158	23,874	89,289	234,517	4,181,213	-	259,791
	2	24,038	4,978	19,060	93,553	223,859	3,913,507	-	259,802
	3 年 1~3月	5,951	961	4,990	23,535	58,073	977,471	-	71,559
	4~6	5,690	1,569	4,121	19,350	54,677	954,800	-	66,804
	7~9	5,078	1,417	3,661	23,246	54,655	1,010,398	-	67,572
	10~12	4,807	1,123	3,684	27,677	62,627	1,095,432	-	72,745
3 年	1月	2,574	503	2,071	8,866	23,206	334,562	-	29,219
	2	2,003	298	1,705	7,667	15,574	301,698	-	20,147
	3	1,374	160	1,214	7,002	19,293	341,211	-	22,192
	4	1,491	436	1,055	7,520	20,817	336,691	-	22,981
	5	2,384	785	1,599	6,621	16,375	334,817	-	22,141
	6	1,815	348	1,467	5,209	17,485	283,292	-	21,682
	7	2,004	554	1,450	6,455	19,432	311,672	-	21,711
	8	1,801	438	1,363	8,566	17,866	342,712	-	23,027
	9	1,273	425	848	8,225	17,357	356,014	-	22,833
	10	1,210	241	969	9,069	20,412	356,563	-	25,898
	11	1,729	370	1,359	9,032	16,983	366,377	-	23,685
	12	1,868	512	1,356	9,576	25,232	372,492	-	23,162

年 月		(動力・燃料用)(2)(つづき) アンモニア及びアンモニア誘導品計(3~4) Ammonia and ammonia total							
		蒸気	計 (原油換算)	石油系燃料 (原油換算)	ナフサ	重油計	A重油	B・C重油	液化石油ガス
		Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Naphtha	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas
		t	kl	kl	kl	kl	kl	kl	t
平成	29 年	69,893,510	965,992	390,244	15	7,270	2	7,268	706
	30	66,854,784	902,360	323,107	-	669	2	667	862
令和	1 年	67,776,219	928,845	388,971	-	-	-	-	567
	2	63,677,927	847,954	331,177	-	-	-	-	817
	3	64,019,359	980,513	422,110	-	-	-	-	926
令和	1 年度	67,464,584	929,734	391,307	-	-	-	-	560
	2	63,027,301	847,384	321,008	-	-	-	-	941
	3 年 1~3月	16,307,284	227,278	87,684	-	-	-	-	268
	4~6	15,152,213	262,616	114,457	-	-	-	-	251
	7~9	16,178,643	273,252	119,831	-	-	-	-	114
	10~12	16,381,219	217,367	100,138	-	-	-	-	293
3 年	1月	5,789,887	84,741	33,829	-	-	-	-	97
	2	5,123,938	49,786	11,088	-	-	-	-	135
	3	5,393,459	92,751	42,768	-	-	-	-	36
	4	5,341,043	79,264	30,786	-	-	-	-	182
	5	5,156,156	93,548	43,709	-	-	-	-	26
	6	4,655,014	89,803	39,962	-	-	-	-	43
	7	5,085,093	92,058	38,806	-	-	-	-	35
	8	5,578,674	94,587	41,155	-	-	-	-	40
	9	5,514,876	86,608	39,869	-	-	-	-	39
	10	5,287,096	82,044	40,267	-	-	-	-	37
	11	5,285,639	62,085	34,332	-	-	-	-	38
	12	5,808,484	73,238	25,538	-	-	-	-	218

液化天然ガス Liquefied natural gas t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	石油化学製品(動力・燃料用)(2) for Driving power and fuels					Year, Quarter & Month
			計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	
25,192	-	-	11,836,330	5,516,604	34	7,024	12	C.Y. 2017
24,487	-	-	11,479,858	5,399,738	36	2,589	9	C.Y. 2018
19,234	-	-	11,552,404	5,400,910	32	2,138	13	C.Y. 2019
13,544	-	-	10,749,287	4,976,171	27	2,243	17	C.Y. 2020
27,247	-	-	11,629,436	5,741,274	27	2,214	12	C.Y. 2021
17,328	-	-	11,396,137	5,289,831	29	2,250	17	F.Y. 2019
16,964	-	-	10,847,840	5,115,252	28	2,201	13	F.Y. 2020
6,533	-	-	2,878,198	1,394,592	7	617	3	Q1 2021
6,685	-	-	2,756,842	1,355,664	8	614	3	Q2
7,423	-	-	2,929,249	1,432,200	6	529	3	Q3
6,606	-	-	3,065,147	1,558,819	6	454	3	Q4
2,481	-	-	1,014,187	483,015	2	179	1	Jan. 2021
1,848	-	-	891,803	428,015	2	210	1	Feb.
2,204	-	-	972,209	483,562	3	228	1	Mar.
2,193	-	-	969,038	480,196	3	203	1	Apr.
2,538	-	-	950,241	471,986	3	204	1	May
1,954	-	-	837,563	403,482	2	207	1	Jun.
2,609	-	-	917,894	444,889	2	217	1	Jul.
2,260	-	-	1,002,657	485,683	2	158	1	Aug.
2,554	-	-	1,008,698	501,628	2	154	1	Sep.
2,137	-	-	996,638	507,109	2	137	1	Oct.
1,899	-	-	1,003,220	516,094	2	114	1	Nov.
2,570	-	-	1,065,289	535,617	2	203	1	Dec.

コークス炉ガス Coke oven gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	Year, Quarter & Month
2,093	68,232	96,103	56,654	61,326	-	-	13,007,853	C.Y. 2017
1,832	70,070	96,265	55,720	60,346	-	-	12,678,083	C.Y. 2018
1,929	53,984	101,212	55,106	59,684	-	-	12,887,013	C.Y. 2019
1,313	56,160	94,492	53,302	57,685	-	-	11,966,759	C.Y. 2020
1,571	65,972	99,538	56,283	60,936	-	-	12,731,999	C.Y. 2021
1,824	51,136	98,853	53,799	58,239	-	-	12,720,108	F.Y. 2019
1,322	54,716	96,865	53,299	57,689	-	-	11,999,668	F.Y. 2020
369	15,980	27,342	13,211	14,284	-	-	3,062,293	Q1 2021
339	15,508	23,404	14,378	15,551	-	-	3,085,584	Q2
495	13,684	25,023	14,663	15,928	-	-	3,345,260	Q3
368	20,800	23,769	14,031	15,173	-	-	3,238,862	Q4
99	7,922	10,357	5,077	5,488	-	-	1,093,779	Jan. 2021
199	4,322	7,208	4,442	4,810	-	-	961,770	Feb.
71	3,736	9,777	3,692	3,986	-	-	1,006,744	Mar.
93	6,046	7,873	4,501	4,863	-	-	1,039,314	Apr.
53	4,719	7,967	4,937	5,339	-	-	1,071,915	May
193	4,743	7,564	4,940	5,349	-	-	974,355	Jun.
186	3,211	8,842	4,836	5,263	-	-	1,072,911	Jul.
116	4,682	8,622	4,872	5,309	-	-	1,164,666	Aug.
193	5,791	7,559	4,955	5,356	-	-	1,107,683	Sep.
152	7,753	8,464	4,650	5,029	-	-	1,055,435	Oct.
68	6,962	7,298	4,953	5,356	-	-	1,054,474	Nov.
148	6,085	8,007	4,428	4,788	-	-	1,128,953	Dec.

石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	コークス炉ガス Coke oven gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	Year, Quarter & Month
26,334	454,150	287,789	590	12,887	982	151,213	28,407	C.Y. 2017
24,485	379,032	317,417	889	12,078	950	170,685	31,042	C.Y. 2018
30,492	456,698	277,572	469	10,395	1,204	139,323	29,479	C.Y. 2019
33,967	376,252	302,300	770	11,169	674	164,983	26,104	C.Y. 2020
48,330	415,148	307,212	600	11,699	545	166,092	26,629	C.Y. 2021
33,676	454,952	293,387	450	10,327	906	151,399	28,862	F.Y. 2019
36,547	347,107	303,759	845	11,456	941	166,417	25,442	F.Y. 2020
12,135	82,915	78,839	169	2,804	267	47,324	4,270	Q1 2021
16,479	107,402	83,225	228	3,087	278	44,603	6,995	Q2
11,593	121,336	89,908	66	2,983	-	48,991	7,997	Q3
8,123	103,495	55,240	137	2,825	-	25,174	7,367	Q4
4,179	32,768	29,333	16	997	126	16,129	2,151	Jan. 2021
3,531	7,275	21,963	138	860	53	14,946	1,599	Feb.
4,425	42,872	27,543	15	947	88	16,249	1,960	Mar.
5,684	26,799	27,731	150	1,017	96	14,566	2,454	Apr.
6,021	41,537	27,359	47	1,066	119	14,716	2,390	May
4,774	39,066	28,136	31	1,004	63	15,321	2,151	Jun.
3,307	39,982	31,384	11	1,057	-	16,968	2,545	Jul.
3,698	42,105	30,672	26	946	-	16,686	2,514	Aug.
4,588	39,249	27,852	29	980	-	15,337	2,938	Sep.
2,985	42,170	20,555	45	994	-	10,004	2,151	Oct.
484	39,101	7,849	18	898	-	1,123	2,537	Nov.
4,654	22,224	26,835	74	933	-	14,047	2,679	Dec.

年 月	アンモニア及びアンモニア誘導品計(3~4)(つづき) Ammonia and ammonia total(continued)					アンモニア及びアンモニア誘導品(原料用)(3) as Materials →		
	都市ガス (B)	廃プラスチック	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ナフサ
	Town gas(B) 1000m ³	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	kl	kl	Naphtha kl
平成 29 年	29,768	45,322	-	916,259	2,932,892	555,533	350,896	15
30 年	32,530	44,663	-	850,500	2,643,451	512,984	292,846	-
令和 1 年	30,891	53,980	-	872,728	2,620,285	553,989	352,849	-
2 年	27,354	43,751	-	812,992	2,008,783	510,935	290,696	-
3 年	27,907	47,119	-	884,928	2,443,124	581,708	357,220	-
令和 1 年度	30,244	53,781	-	876,277	2,365,787	566,443	351,500	-
2 年	26,661	43,231	-	810,340	2,130,114	496,358	275,463	-
3 年 1~3月	4,475	7,026	-	212,374	593,133	129,341	71,345	-
4~6	7,331	13,628	-	229,475	630,584	156,444	92,416	-
7~9	8,381	13,409	-	235,701	601,672	168,232	104,405	-
10~12	7,720	13,056	-	207,378	617,735	127,691	89,054	-
3 年 1月	2,254	4,583	-	75,397	210,723	49,508	28,196	-
2 月	167	77	-	60,197	161,091	22,823	6,260	-
3 月	2,054	2,366	-	76,780	221,319	57,010	36,890	-
4 月	2,572	4,849	-	72,549	202,528	44,467	23,060	-
5 月	2,505	4,196	-	77,981	220,276	57,259	35,741	-
6 月	2,254	4,583	-	78,945	207,780	54,718	33,615	-
7 月	2,667	5,292	-	75,644	214,562	56,426	34,403	-
8 月	2,635	4,986	-	83,394	217,044	58,124	36,230	-
9 月	3,079	3,131	-	76,663	170,066	53,682	33,772	-
10 月	2,254	4,583	-	78,948	200,768	51,171	36,286	-
11 月	2,659	3,903	-	63,373	202,669	37,913	33,645	-
12 月	2,807	4,570	-	65,057	214,298	38,608	19,123	-

年 月	(原料用)(3)(つづき)	アンモニア及びアンモニア誘導品(動力・燃料用)(4) for Driving power and fuels →						
	廃プラスチック	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ナフサ	重油計	B・C重油	液化石油ガス	石油系 炭化水素ガス
	Waste plastic t	kl	kl	Naphtha kl	Heavy fuel oil total kl	Heavy fuel oil B・C kl	Liquefied petroleum gas t	Hydrocarbon gas 1000m ³
平成 29 年	45,322	410,459	39,349	-	7,268	7,268	706	26,334
30 年	44,663	389,376	30,261	-	667	667	862	24,485
令和 1 年	53,980	374,855	36,121	-	-	-	567	30,492
2 年	43,751	337,019	40,481	-	-	-	817	33,967
3 年	47,119	398,805	64,889	-	-	-	926	48,330
令和 1 年度	53,781	363,292	39,806	-	-	-	560	33,676
2 年	43,231	351,026	45,545	-	-	-	941	36,547
3 年 1~3月	7,026	97,937	16,339	-	-	-	268	12,135
4~6	13,628	106,172	22,041	-	-	-	251	16,479
7~9	13,409	105,020	15,425	-	-	-	114	11,593
10~12	13,056	89,676	11,084	-	-	-	293	8,123
3 年 1月	4,583	35,233	5,633	-	-	-	97	4,179
2 月	77	26,963	4,828	-	-	-	135	3,531
3 月	2,366	35,741	5,878	-	-	-	36	4,425
4 月	4,849	34,798	7,726	-	-	-	182	5,684
5 月	4,196	36,290	7,968	-	-	-	26	6,021
6 月	4,583	35,085	6,347	-	-	-	43	4,774
7 月	5,292	35,632	4,403	-	-	-	35	3,307
8 月	4,986	36,462	4,925	-	-	-	40	3,698
9 月	3,131	32,926	6,097	-	-	-	39	4,588
10 月	4,583	30,873	3,982	-	-	-	37	2,985
11 月	3,903	24,173	687	-	-	-	38	484
12 月	4,570	34,630	6,415	-	-	-	218	4,654

年 月	アンモニア及びアンモニア誘導品(動力・燃料用)(4)(つづき)			ソーダ工業製品(5) Soda products →				
	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	重油計	A重油	B・C重油
	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	kl	kl	Heavy fuel oil total kl	Heavy fuel oil A kl	Heavy fuel oil B・C kl
平成 29 年	-	916,259	2,932,892	1,095,069	1	1	1	-
30 年	-	850,500	2,643,451	1,096,978	13	13	13	-
令和 1 年	-	872,728	2,620,285	1,095,717	1	1	1	-
2 年	-	812,992	2,008,783	1,073,080	-	-	-	-
3 年	-	884,928	2,443,124	1,120,057	-	-	-	-
令和 1 年度	-	876,277	2,365,787	1,104,853	1	1	1	-
2 年	-	810,340	2,130,114	1,068,126	-	-	-	-
3 年 1~3月	-	212,374	593,133	285,064	-	-	-	-
4~6	-	229,475	630,584	256,209	-	-	-	-
7~9	-	235,701	601,672	282,665	-	-	-	-
10~12	-	207,378	617,735	296,119	-	-	-	-
3 年 1月	-	75,397	210,723	103,122	-	-	-	-
2 月	-	60,197	161,091	90,371	-	-	-	-
3 月	-	76,780	221,319	91,571	-	-	-	-
4 月	-	72,549	202,528	95,491	-	-	-	-
5 月	-	77,981	220,276	78,091	-	-	-	-
6 月	-	78,945	207,780	82,627	-	-	-	-
7 月	-	75,644	214,562	90,607	-	-	-	-
8 月	-	83,394	217,044	96,876	-	-	-	-
9 月	-	76,663	170,066	95,183	-	-	-	-
10 月	-	78,948	200,768	96,599	-	-	-	-
11 月	-	63,373	202,669	94,970	-	-	-	-
12 月	-	65,057	214,298	104,550	-	-	-	-

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコース Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month
-	2	2	-	454,150	590	982	119,664	C.Y. 2017
-	2	2	-	379,032	889	950	130,889	C.Y. 2018
-	-	-	-	456,698	469	1,204	112,419	C.Y. 2019
-	-	-	-	376,252	770	674	131,726	C.Y. 2020
-	-	-	-	415,148	600	545	132,875	C.Y. 2021
-	-	-	-	454,952	450	906	122,555	F.Y. 2019
-	-	-	-	347,107	845	941	132,158	F.Y. 2020
-	-	-	-	82,915	169	267	36,980	Q1 2021
-	-	-	-	107,402	228	278	37,675	Q2
-	-	-	-	121,336	66	-	37,943	Q3
-	-	-	-	103,495	137	-	20,277	Q4
-	-	-	-	32,768	16	126	12,518	Jan. 2021
-	-	-	-	7,275	138	53	11,570	Feb.
-	-	-	-	42,872	15	88	12,892	Mar.
-	-	-	-	26,799	150	96	12,402	Apr.
-	-	-	-	41,537	47	119	12,861	May
-	-	-	-	39,066	31	63	12,412	Jun.
-	-	-	-	39,982	11	-	12,741	Jul.
-	-	-	-	42,105	26	-	12,807	Aug.
-	-	-	-	39,249	29	-	12,395	Sep.
-	-	-	-	42,170	45	-	8,055	Oct.
-	-	-	-	39,101	18	-	920	Nov.
-	-	-	-	22,224	74	-	11,302	Dec.

再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス炉 ガス Coke oven gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
-	83,151	12,887	-	31,549	28,407	29,768	-	C.Y. 2017
-	97,279	12,078	-	39,796	31,042	32,530	-	C.Y. 2018
-	76,432	10,395	-	26,904	29,479	30,891	-	C.Y. 2019
-	82,061	11,169	-	33,257	26,104	27,354	-	C.Y. 2020
-	82,725	11,699	-	33,217	26,629	27,907	-	C.Y. 2021
-	78,445	10,327	-	28,844	28,862	30,244	-	F.Y. 2019
-	82,864	11,456	-	34,259	25,442	26,661	-	F.Y. 2020
-	20,844	2,804	-	10,344	4,270	4,475	-	Q1 2021
-	19,197	3,087	-	6,928	6,995	7,331	-	Q2
-	26,081	2,983	-	11,048	7,997	8,381	-	Q3
-	16,602	2,825	-	4,897	7,367	7,720	-	Q4
-	8,021	997	-	3,611	2,151	2,254	-	Jan. 2021
-	5,400	860	-	3,376	159	167	-	Feb.
-	7,423	947	-	3,357	1,960	2,054	-	Mar.
-	6,324	1,017	-	2,164	2,454	2,572	-	Apr.
-	5,841	1,066	-	1,855	2,390	2,505	-	May
-	7,032	1,004	-	2,909	2,151	2,254	-	Jun.
-	9,361	1,057	-	4,227	2,545	2,667	-	Jul.
-	8,777	946	-	3,879	2,514	2,635	-	Aug.
-	7,942	980	-	2,942	2,938	3,079	-	Sep.
-	5,670	994	-	1,949	2,151	2,254	-	Oct.
-	3,582	898	-	203	2,537	2,659	-	Nov.
-	7,350	933	-	2,745	2,679	2,807	-	Dec.

液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	Year, Quarter &Month
-	-	-	27,102	31,360	1,392	801	531	C.Y. 2017
-	-	-	26,423	31,198	1,449	618	196	C.Y. 2018
-	-	-	25,353	30,230	1,172	381	488	C.Y. 2019
-	-	-	25,269	29,887	1,003	698	410	C.Y. 2020
-	-	-	26,381	30,422	1,177	749	1,135	C.Y. 2021
-	-	-	25,920	30,301	1,115	642	680	F.Y. 2019
-	-	-	25,225	29,788	1,040	801	346	F.Y. 2020
-	-	-	7,024	8,000	302	369	159	Q1 2021
-	-	-	7,126	8,054	380	175	394	Q2
-	-	-	5,608	6,079	293	205	408	Q3
-	-	-	6,623	8,289	202	-	174	Q4
-	-	-	2,460	2,678	112	181	67	Jan. 2021
-	-	-	2,027	2,517	97	10	17	Feb.
-	-	-	2,537	2,805	93	178	75	Mar.
-	-	-	2,351	2,708	146	84	39	Apr.
-	-	-	2,403	2,703	134	89	96	May
-	-	-	2,373	2,643	100	2	259	Jun.
-	-	-	1,173	1,009	138	141	60	Jul.
-	-	-	2,214	2,325	95	64	258	Aug.
-	-	-	2,221	2,745	60	-	90	Sep.
-	-	-	2,055	2,727	-	-	10	Oct.
-	-	-	2,261	2,760	63	-	114	Nov.
-	-	-	2,308	2,802	139	-	50	Dec.

年 月	ソーダ工業製品(5)(つづき) Soda products (continued)					Year, Quarter &Month
	都市ガス (B)	廃プラスチック	RPF	電力	蒸気	
	Town gas(B) 1000m ³	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	
平成 29 年	549	-	-	9,528,869	2,626,675	C.Y. 2017
30 年	209	-	-	9,541,050	2,647,533	C.Y. 2018
令和 1 年	502	-	-	9,469,917	2,740,686	C.Y. 2019
2 年	426	-	-	9,233,130	2,733,086	C.Y. 2020
3 年	1,161	-	-	9,704,704	2,761,989	C.Y. 2021
令和 1 年度	698	-	-	9,545,736	2,762,627	F.Y. 2019
2 年度	363	-	-	9,182,390	2,730,346	F.Y. 2020
3 年 1~3月	166	-	-	2,422,508	762,281	Q1 2021
4~6	401	-	-	2,200,335	642,354	Q2
7~9	415	-	-	2,513,887	625,097	Q3
10~12	179	-	-	2,567,974	732,257	Q4
3 年 1月	70	-	-	881,173	270,424	Jan. 2021
2 月	19	-	-	774,464	235,829	Feb.
3 月	77	-	-	766,871	256,028	Mar.
4 月	40	-	-	827,146	234,314	Apr.
5 月	98	-	-	659,122	207,969	May
6 月	263	-	-	714,067	200,071	Jun.
7 月	62	-	-	819,434	191,074	Jul.
8 月	261	-	-	856,163	217,275	Aug.
9 月	92	-	-	838,290	216,748	Sep.
10 月	11	-	-	850,575	223,087	Oct.
11 月	116	-	-	816,845	241,955	Nov.
12 月	52	-	-	900,554	267,215	Dec.

② 化学工業製品 Chemical products
一次投入燃料換算表

Conversion table for primary input fuel

年 月	化学工業 Chemical industry							
	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	原油 Crude petroleum	NGL・コンデンサート Natural gas liquids Condensate	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	81,068,624	62,643,263	24,206	280,455	211	31,312,667	19,689,000	910,959
30	77,459,559	58,833,302	24,048	227,428	210	28,691,116	19,809,452	805,076
令和 1 年	77,629,526	59,369,522	9,651	56,775	202	30,775,533	17,872,583	920,750
2	69,899,782	52,834,064	67	2,904	187	29,285,828	14,662,456	728,529
3	73,219,208	55,647,269	-	123,477	198	30,847,139	15,101,547	678,718
令和 1 年度	76,154,429	58,087,804	3,009	56,841	199	30,706,587	17,089,832	796,108
2	69,788,928	52,700,077	-	2,170	184	29,582,541	14,269,571	743,613
3 年 1~3月	18,203,672	13,722,542	-	240	44	7,872,553	3,628,863	144,544
4~6	17,343,644	12,982,260	-	-	48	7,508,841	3,240,262	114,541
7~9	18,469,207	14,063,842	-	5,857	52	7,429,010	4,015,721	238,287
10~12	19,202,685	14,878,626	-	117,380	54	8,036,735	4,216,701	181,345
3 年 1月	6,385,205	4,825,100	-	240	15	2,647,980	1,359,400	83,657
2	5,626,982	4,196,199	-	-	14	2,451,953	1,067,477	57,193
3	6,191,485	4,701,243	-	-	15	2,772,620	1,201,986	3,694
4	6,084,055	4,561,207	-	-	17	2,659,590	1,165,343	2,842
5	5,894,055	4,428,297	-	-	15	2,532,738	1,094,712	35,640
6	5,365,534	3,992,756	-	-	16	2,316,513	980,207	76,059
7	5,797,380	4,341,146	-	-	19	2,342,935	1,176,265	64,064
8	6,313,410	4,819,234	-	-	16	2,514,378	1,406,751	87,895
9	6,358,417	4,903,463	-	5,857	17	2,571,697	1,432,705	86,328
10	6,367,114	4,937,491	-	56,444	18	2,679,281	1,337,544	78,764
11	6,217,645	4,818,846	-	47,444	18	2,572,423	1,398,378	31,045
12	6,617,925	5,122,288	-	13,492	18	2,785,031	1,480,779	71,536

年 月	化学工業(つづき) Chemical industry (continued)							
	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas
	t	kl	kl	t	t	t	1000m ³	1000m ³
平成 29 年	-	20,544	14,561,498	16,953,970	154,679	407,967	1,296,027	1,159,726
30	-	20,052	14,801,228	17,159,905	152,771	437,729	1,340,937	1,279,371
令和 1 年	-	19,457	14,577,772	16,975,171	159,724	403,884	1,345,740	1,240,346
2	-	18,754	13,580,684	15,664,419	157,016	385,780	1,217,463	1,226,709
3	-	22,093	14,009,625	15,784,325	153,372	418,767	1,207,957	1,285,737
令和 1 年度	-	19,819	14,406,950	16,767,995	151,212	392,675	1,314,427	1,271,908
2	-	18,386	13,636,888	15,656,279	156,443	393,440	1,213,695	1,229,790
3 年 1~3月	-	5,456	3,586,718	4,060,454	35,391	112,054	306,423	329,653
4~6	-	4,733	3,522,735	3,937,471	38,246	108,001	316,067	312,979
7~9	-	5,636	3,500,324	3,962,162	35,327	82,407	290,581	319,023
10~12	-	6,268	3,399,848	3,824,238	44,408	116,305	294,886	324,082
3 年 1月	-	1,892	1,236,530	1,383,256	11,811	35,550	105,882	109,776
2	-	1,852	1,147,467	1,310,726	12,377	38,130	97,145	109,776
3	-	1,712	1,202,720	1,366,473	11,203	38,374	103,396	110,101
4	-	2,183	1,233,112	1,385,872	12,515	40,486	104,074	104,183
5	-	838	1,185,744	1,315,105	12,809	37,045	110,190	106,662
6	-	1,712	1,103,879	1,236,494	12,922	30,470	101,803	102,134
7	-	1,712	1,167,421	1,336,548	9,958	13,264	99,032	106,361
8	-	1,804	1,181,744	1,332,964	12,791	28,948	96,478	107,607
9	-	2,120	1,151,159	1,292,650	12,578	40,195	95,071	105,055
10	-	1,905	1,125,562	1,285,142	16,202	34,908	98,735	109,502
11	-	2,111	1,102,016	1,250,108	13,585	38,435	96,441	103,522
12	-	2,252	1,172,270	1,288,988	14,621	42,962	99,710	111,058

年 月	化学工業(つづき)		化学工業製品小計(1~5)					Chemical products total		
	電力 Electricity	蒸気 Steam	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	NGL・コンデンサート Natural gas liquids Condensate	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion		
	1000kWh	t	kl	kl	kl	kl	kl	kl		
平成 29 年	18,979,781	30,356,731	67,296,970	61,558,434	280,082	34	31,211,880	19,689,000		
30	18,844,293	29,977,252	63,449,151	57,705,324	227,047	36	28,589,677	19,809,452		
令和 1 年	18,525,750	28,340,064	63,816,299	58,200,520	56,515	32	30,676,616	17,872,583		
2	17,340,136	27,082,748	57,181,703	51,813,414	2,672	27	29,194,863	14,662,456		
3	17,923,939	27,415,094	60,182,766	54,514,465	123,434	27	30,744,065	15,101,547		
令和 1 年度	18,412,961	28,165,527	62,541,989	56,953,140	56,594	29	30,609,379	17,089,832		
2	17,130,674	26,886,183	57,045,664	51,661,414	1,978	28	29,491,379	14,269,571		
3 年 1~3月	4,240,101	7,233,417	14,878,626	13,437,925	227	7	7,845,859	3,628,863		
4~6	4,434,137	6,165,544	14,078,756	12,731,620	-	8	7,486,066	3,240,262		
7~9	4,734,227	6,722,194	15,228,955	13,763,456	5,857	6	7,399,561	4,015,721		
10~12	4,515,475	7,293,939	15,996,429	14,581,464	117,350	6	8,012,579	4,216,701		
3 年 1月	1,496,439	2,667,351	5,242,391	4,722,940	227	2	2,638,445	1,359,400		
2	1,344,514	2,289,364	4,558,658	4,110,676	-	2	2,444,403	1,067,477		
3	1,399,148	2,276,702	5,077,576	4,604,308	-	3	2,763,011	1,201,986		
4	1,492,703	2,182,823	4,942,634	4,466,024	-	3	2,650,237	1,165,343		
5	1,475,943	2,064,727	4,783,057	4,340,942	-	3	2,526,723	1,094,712		
6	1,465,491	1,917,994	4,353,065	3,924,654	-	2	2,309,106	980,207		
7	1,540,481	2,105,170	4,710,648	4,239,369	-	2	2,331,199	1,176,265		
8	1,647,240	2,303,205	5,223,059	4,716,700	-	2	2,504,243	1,406,751		
9	1,546,506	2,313,819	5,295,248	4,807,386	5,857	2	2,564,119	1,432,705		
10	1,525,031	2,346,572	5,292,582	4,835,584	56,444	2	2,672,367	1,337,544		
11	1,440,062	2,355,620	5,165,680	4,719,235	47,444	2	2,563,844	1,398,378		
12	1,550,382	2,591,747	5,538,167	5,026,645	13,462	2	2,776,368	1,480,779		

軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	石油系 炭化水素ガス Hydrocarbon gas	オイルコークス Petroleum coke	Year, Quarter &Month
kl	kl	kl	kl	kl	t	1000m ³	t	
173,387	1,056,834	47,174	1,009,659	881,576	4,967,878	6,010,069	875,265	C.Y. 2017
154,882	932,347	57,587	874,760	827,571	4,775,873	5,125,157	871,465	C.Y. 2018
175,909	1,038,036	45,084	992,952	827,609	4,954,687	5,191,416	996,411	C.Y. 2019
118,362	932,399	49,585	882,814	847,265	3,934,443	4,760,493	866,642	C.Y. 2020
156,956	921,110	45,088	876,022	876,909	4,515,539	4,914,226	936,523	C.Y. 2021
149,364	1,014,708	46,393	968,315	825,553	4,765,724	5,114,003	1,001,198	F.Y. 2019
143,928	881,098	47,740	833,358	863,859	3,966,145	4,736,651	822,810	F.Y. 2020
47,640	218,556	10,285	208,271	213,251	1,071,166	1,202,065	200,955	Q1 2021
47,446	168,069	10,270	157,799	192,389	1,110,389	1,157,810	229,034	Q2
37,185	255,990	11,419	244,571	225,017	1,195,603	1,226,503	267,053	Q3
24,685	278,495	13,114	265,381	246,251	1,138,382	1,327,848	239,481	Q4
16,830	79,913	3,647	76,266	73,894	383,595	412,078	73,402	Jan. 2021
14,978	66,911	3,469	63,442	66,177	324,122	369,127	46,229	Feb.
15,832	71,731	3,169	68,562	73,180	363,449	420,861	81,324	Mar.
15,950	68,252	3,561	64,690	74,163	370,944	417,924	65,364	Apr.
16,772	59,225	3,735	55,490	65,616	387,610	407,892	85,872	May
14,724	40,592	2,973	37,619	52,610	351,835	331,993	77,798	Jun.
16,384	77,915	4,197	73,718	67,886	383,357	376,543	88,352	Jul.
16,629	91,310	3,776	87,534	79,326	405,491	414,017	91,475	Aug.
4,172	86,765	3,446	83,320	77,805	406,755	435,944	87,226	Sep.
316	89,626	3,575	86,051	74,435	398,741	435,346	89,018	Oct.
8,560	101,890	5,752	96,138	81,866	351,163	443,221	83,871	Nov.
15,809	86,978	3,786	83,192	89,950	388,478	449,281	66,592	Dec.

転炉ガス Converter gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	Year, Quarter &Month
1000m ³	1000m ³	t	1000m ³	1000m ³	t	t	t	
-	452,423	606,943	405,703	418,872	130,176	81,584	-	C.Y. 2017
-	466,394	645,156	381,308	395,475	129,353	77,154	-	C.Y. 2018
-	437,005	599,043	386,743	399,059	142,142	91,279	-	C.Y. 2019
-	414,556	590,560	382,720	395,654	147,072	82,596	9,471	C.Y. 2020
-	444,881	615,746	475,615	494,582	154,345	87,385	15,669	C.Y. 2021
-	431,035	600,788	386,725	399,321	143,139	93,179	-	F.Y. 2019
-	413,849	602,731	386,277	399,024	147,392	82,028	13,310	F.Y. 2020
-	119,142	163,824	99,453	102,990	40,549	17,672	3,839	Q1 2021
-	106,773	158,587	128,367	133,398	42,349	23,588	3,660	Q2
-	103,618	164,137	123,994	129,025	42,223	24,157	4,443	Q3
-	115,348	129,197	123,801	129,168	29,223	21,968	3,727	Q4
-	44,999	60,869	36,661	37,797	14,099	7,992	1,606	Jan. 2021
-	36,610	47,940	30,106	31,472	13,179	3,579	1,404	Feb.
-	37,533	55,015	32,686	33,722	13,271	6,101	829	Mar.
-	39,074	52,921	43,979	45,654	14,339	8,668	1,138	Apr.
-	37,801	53,064	45,953	47,825	13,639	7,851	1,323	May
-	29,897	52,602	38,436	39,919	14,372	7,069	1,199	Jun.
-	36,557	56,900	39,578	41,246	14,220	8,603	1,346	Jul.
-	35,438	56,186	42,886	44,565	13,475	8,547	1,517	Aug.
-	31,622	51,050	41,530	43,214	14,528	7,007	1,580	Sep.
-	33,793	41,619	39,299	41,180	4,929	8,322	1,381	Oct.
-	39,427	34,386	41,790	43,536	8,465	6,743	1,517	Nov.
-	42,128	53,192	42,711	44,453	15,830	6,903	829	Dec.

灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	石油系 炭化水素ガス Hydrocarbon gas	Year, Quarter &Month
kl	kl	kl	kl	kl	kl	t	1000m ³	
871,994	170,714	852,909	23,372	829,537	833,689	4,781,172	5,801,005	C.Y. 2017
764,596	152,168	726,045	22,544	703,502	783,322	4,590,638	4,903,853	C.Y. 2018
878,128	172,215	818,467	20,732	797,735	764,560	4,752,965	4,984,341	C.Y. 2019
688,823	114,849	749,535	23,218	726,317	787,556	3,773,271	4,564,004	C.Y. 2020
643,689	153,554	739,440	23,418	716,022	807,692	4,309,286	4,724,214	C.Y. 2021
753,545	145,600	804,838	21,346	783,491	757,020	4,583,354	4,907,808	F.Y. 2019
707,189	140,539	697,766	22,743	675,023	805,604	3,785,311	4,544,495	F.Y. 2020
137,059	46,989	173,931	5,081	168,851	196,788	1,017,833	1,149,534	Q1 2021
106,445	46,428	124,830	5,771	119,059	176,963	1,064,616	1,123,474	Q2
228,779	36,302	211,618	5,637	205,980	205,360	1,142,289	1,177,236	Q3
171,407	23,835	229,061	6,929	222,132	228,580	1,084,549	1,273,970	Q4
80,873	16,614	63,182	1,936	61,246	67,269	363,100	393,420	Jan. 2021
54,997	14,780	54,273	1,768	52,506	61,512	309,035	352,752	Feb.
1,189	15,595	56,476	1,377	55,099	68,007	345,698	403,362	Mar.
305	15,605	54,129	2,012	52,118	68,766	353,835	399,927	Apr.
32,958	16,438	44,451	2,099	42,351	60,343	373,519	392,940	May
73,182	14,385	26,250	1,660	24,590	47,854	337,262	330,608	Jun.
60,671	16,051	62,895	1,696	61,199	61,761	366,225	359,449	Jul.
84,721	16,377	75,756	2,115	73,641	71,936	387,454	397,789	Aug.
83,387	3,874	72,966	1,826	71,140	71,663	388,609	419,998	Sep.
75,330	1	72,638	1,608	71,029	69,159	379,075	417,234	Oct.
28,045	8,289	84,529	3,129	81,400	76,329	334,012	424,303	Nov.
68,032	15,545	71,894	2,192	69,703	83,091	371,461	432,432	Dec.

年 月	化学工業製品小計(1~5)(つづき) Chemical products total (continued)							
	オイルコークス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	コークス炉 ガス	高炉ガス
	Petroleum coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas
	t	t	kl	kl	t	t	1000m ³	1000m ³
平成 29 年	650,757	-	19,224	2,867,783	2,350,199	31,360	27,808	-
30	606,887	-	18,532	2,914,892	2,382,081	31,198	25,779	-
令和 1 年	713,543	-	18,134	2,866,529	2,384,864	30,230	22,805	-
2	610,335	-	16,932	2,752,613	2,250,342	29,887	23,130	-
3	678,464	-	20,220	3,016,909	2,353,689	30,422	23,337	-
令和 1 年度	712,351	-	18,382	2,851,671	2,383,114	30,301	22,560	-
2	579,252	-	16,621	2,790,160	2,245,752	29,788	22,903	-
3 年 1~3月	142,436	-	5,015	767,292	611,676	8,000	5,414	-
4~6	164,892	-	4,381	732,917	523,578	8,054	6,023	-
7~9	193,962	-	5,132	789,696	615,406	6,079	6,055	-
10~12	177,174	-	5,692	727,004	603,029	8,289	5,846	-
3 年 1月	55,959	-	1,724	273,929	208,075	2,678	1,884	-
2	26,324	-	1,689	236,119	196,262	2,517	1,740	-
3	60,153	-	1,602	257,244	207,339	2,805	1,790	-
4	44,823	-	2,053	259,893	197,697	2,708	2,010	-
5	62,674	-	726	237,190	159,666	2,703	2,068	-
6	57,395	-	1,602	235,834	166,215	2,643	1,944	-
7	64,002	-	1,602	255,274	193,182	1,009	2,031	-
8	66,720	-	1,602	271,834	212,734	2,325	1,891	-
9	63,240	-	1,928	262,587	209,491	2,745	2,133	-
10	66,696	-	1,706	230,923	195,668	2,727	2,118	-
11	63,528	-	1,914	226,566	195,323	2,760	1,908	-
12	46,950	-	2,072	269,515	212,037	2,802	1,821	-

年 月	石油化学製品計(1~2) Petrochemical products total							
	蒸気	計 (原油換算)	石油系燃料 (原油換算)	NGL・コンデナート	ガソリン	ナフサ	改質生成油	灯油
	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Natural gas liquids Condensate	Gasoline	Naphtha	Oil produced by conversion	Kerosene
	t	kl	kl	kl	kl	kl	kl	kl
平成 29 年	24,301,823	64,680,010	61,041,047	277,040	34	31,211,865	19,689,000	871,917
30	23,845,368	60,852,141	57,245,510	224,228	36	28,589,677	19,809,452	764,571
令和 1 年	23,035,997	61,206,316	57,664,367	54,012	32	30,676,616	17,872,583	877,980
2	21,958,106	54,669,821	51,337,969	-	27	29,194,863	14,662,456	688,735
3	22,076,888	57,466,286	53,934,629	123,207	27	30,744,065	15,101,547	643,641
令和 1 年度	22,884,845	59,910,169	56,416,129	54,012	29	30,609,379	17,089,832	753,416
2	21,874,785	54,544,252	51,193,004	-	28	29,491,379	14,269,571	707,105
3 年 1~3月	5,844,422	14,206,849	13,312,450	-	7	7,845,859	3,628,863	137,052
4~6	4,918,781	13,432,413	12,581,332	-	8	7,486,066	3,240,262	106,443
7~9	5,536,236	14,510,472	13,601,564	5,857	6	7,399,561	4,015,721	228,758
10~12	5,777,450	15,316,552	14,439,284	117,350	6	8,012,579	4,216,701	171,388
3 年 1月	2,154,740	5,001,155	4,674,176	-	2	2,638,445	1,359,400	80,869
2	1,825,570	4,367,481	4,088,162	-	2	2,444,403	1,067,477	54,995
3	1,864,112	4,838,213	4,550,112	-	3	2,763,011	1,201,986	1,188
4	1,782,042	4,715,590	4,422,085	-	3	2,650,237	1,165,343	305
5	1,652,317	4,574,628	4,282,717	-	3	2,526,723	1,094,712	32,958
6	1,484,422	4,142,196	3,876,531	-	2	2,309,106	980,207	73,180
7	1,755,627	4,477,425	4,186,888	-	2	2,331,199	1,176,265	60,671
8	1,923,350	4,975,689	4,660,963	-	2	2,504,243	1,406,751	84,719
9	1,857,259	5,057,358	4,753,713	5,857	2	2,564,119	1,432,705	83,368
10	1,867,558	5,058,239	4,781,845	56,444	2	2,672,367	1,337,544	75,314
11	1,853,357	4,953,767	4,671,270	47,444	2	2,563,844	1,398,378	28,044
12	2,056,534	5,304,546	4,986,169	13,462	2	2,776,368	1,480,779	68,030

年 月	石油化学製品計(1~2)(つづき) Petrochemical products total (continued)							
	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	コークス炉 ガス	高炉ガス	転炉ガス	天然ガス
	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coke oven gas	Blast furnace gas	Converter gas	Natural gas
	t	kl	kl	t	1000m ³	1000m ³	1000m ³	1000m ³
平成 29 年	-	19,224	1,335,025	732,866	6,097	-	-	96,468
30	-	18,532	1,327,922	727,514	6,023	-	-	100,928
令和 1 年	-	18,134	1,334,139	731,840	6,093	-	-	84,725
2	-	16,932	1,236,212	641,625	4,930	-	-	81,632
3	-	20,220	1,435,554	729,350	4,239	-	-	96,500
令和 1 年度	-	18,382	1,301,170	716,445	5,905	-	-	80,044
2	-	16,621	1,273,793	658,933	4,415	-	-	80,467
3 年 1~3月	-	5,015	356,025	182,646	1,013	-	-	24,166
4~6	-	4,381	370,051	180,835	995	-	-	25,027
7~9	-	5,132	377,267	197,259	1,197	-	-	21,308
10~12	-	5,692	332,211	168,609	1,034	-	-	26,000
3 年 1月	-	1,724	130,628	63,373	319	-	-	10,622
2	-	1,689	110,114	61,341	413	-	-	6,769
3	-	1,602	115,284	57,931	281	-	-	6,774
4	-	2,053	122,724	61,283	347	-	-	9,030
5	-	726	127,989	63,414	312	-	-	7,781
6	-	1,602	119,338	56,138	336	-	-	8,215
7	-	1,602	121,663	63,610	405	-	-	6,272
8	-	1,602	129,423	68,286	367	-	-	7,649
9	-	1,928	126,181	65,363	425	-	-	7,387
10	-	1,706	98,294	49,326	389	-	-	8,075
11	-	1,914	108,103	54,215	300	-	-	8,777
12	-	2,072	125,814	65,068	345	-	-	9,148

天然ガス	液化天然ガス	都市ガス(A)	都市ガス(B)	廃タイヤ	廃プラスチック	RPF	電力	Year, Quarter & Month
Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	
1000m ³	t	1000m ³	1000m ³	t	t	t	1000kWh	
154,787	486,796	251,315	253,213	121,297	45,322	-	-	C.Y. 2017
158,396	514,365	239,978	243,418	115,604	44,663	-	-	C.Y. 2018
141,101	479,280	243,581	244,881	130,148	53,980	-	-	C.Y. 2019
127,203	478,076	233,131	234,810	134,916	43,751	9,471	11,802,419	C.Y. 2020
164,130	512,767	291,251	297,530	147,973	47,119	15,669	12,098,107	C.Y. 2021
127,669	481,744	240,681	242,271	131,230	53,781	-	12,419,959	F.Y. 2019
136,661	489,849	237,893	239,541	135,928	43,231	13,310	11,632,277	F.Y. 2020
42,221	135,291	62,187	63,039	38,937	7,026	3,839	2,896,416	Q1 2021
43,253	132,253	80,289	81,909	42,349	13,628	3,660	2,947,922	Q2
35,839	138,636	76,086	77,856	41,598	13,409	4,443	3,151,161	Q3
42,816	106,586	72,689	74,727	25,089	13,056	3,727	3,102,608	Q4
17,096	49,924	23,801	24,079	12,947	4,583	1,606	1,038,271	Jan. 2021
12,348	38,877	18,815	19,305	12,719	77	1,404	921,024	Feb.
12,778	46,490	19,570	19,655	13,271	2,366	829	937,122	Mar.
15,139	42,989	27,094	27,616	14,339	4,849	1,138	1,005,561	Apr.
14,129	44,698	29,342	30,043	13,639	4,196	1,323	975,171	May
13,984	44,566	23,852	24,250	14,372	4,583	1,199	967,190	Jun.
12,185	46,409	24,904	25,468	14,220	5,292	1,346	1,017,530	Jul.
12,665	47,745	25,674	26,220	13,475	4,986	1,517	1,091,981	Aug.
10,990	44,482	25,508	26,168	13,903	3,131	1,580	1,041,651	Sep.
12,597	34,633	23,132	23,950	3,679	4,583	1,381	1,042,603	Oct.
14,701	26,774	25,438	26,152	6,989	3,903	1,517	986,551	Nov.
15,518	45,179	24,120	24,624	14,421	4,570	829	1,073,453	Dec.

軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	Year, Quarter & Month
Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Hydrocarbon gas	Petroleum coke	
kl	kl	kl	kl	kl	t	1000m ³	t	
170,714	815,331	17,645	797,687	831,804	4,779,351	5,747,038	123,699	C.Y. 2017
152,168	696,602	15,387	681,216	782,154	4,589,016	4,853,385	135,871	C.Y. 2018
172,215	788,020	15,745	772,275	763,363	4,751,566	4,927,022	155,058	C.Y. 2019
114,849	722,623	16,553	706,070	786,105	3,771,604	4,503,178	131,514	C.Y. 2020
153,554	709,057	17,569	691,487	806,157	4,307,578	4,648,278	163,231	C.Y. 2021
145,600	777,292	16,032	761,260	755,981	4,582,008	4,847,014	153,636	F.Y. 2019
140,539	668,569	16,288	652,281	803,952	3,783,483	4,480,540	132,875	F.Y. 2020
46,989	165,553	3,673	161,880	196,275	1,017,224	1,130,466	37,988	Q1 2021
46,428	116,228	4,419	111,809	176,556	1,064,229	1,101,705	35,326	Q2
36,302	205,319	4,091	201,228	204,996	1,142,053	1,157,650	44,401	Q3
23,835	221,958	5,386	216,571	228,331	1,084,071	1,258,457	45,517	Q4
16,614	60,143	1,451	58,691	67,015	362,852	386,740	14,211	Jan. 2021
14,780	51,927	1,238	50,689	61,400	308,806	347,184	12,067	Feb.
15,595	53,483	984	52,499	67,860	345,566	396,543	11,710	Mar.
15,605	50,890	1,569	49,320	68,561	353,595	391,507	11,290	Apr.
16,438	41,719	1,644	40,076	60,261	373,451	384,653	11,285	May
14,385	23,619	1,205	22,413	47,733	337,183	325,545	12,751	Jun.
16,051	61,480	1,201	60,278	61,642	366,163	353,193	14,562	Jul.
16,377	73,364	1,502	71,862	71,781	387,377	391,354	15,054	Aug.
3,874	70,475	1,388	69,087	71,572	388,513	413,103	14,785	Sep.
1	70,808	1,192	69,616	69,109	379,001	411,711	15,152	Oct.
8,289	82,780	2,611	80,169	76,222	333,917	421,116	15,089	Nov.
15,545	68,369	1,583	66,787	82,999	371,153	425,630	15,276	Dec.

液化天然ガス	都市ガス(A)	都市ガス(B)	廃タイヤ	RPF	電力	蒸気	石油化学製品(原料用)(1)	Year, Quarter & Month
Liquefied natural gas	Town gas(A)	Town gas(B)	Used tires	Refuse Paper & Plastic Fuel	Electricity	Steam	計(原油換算) Total (Crude petroleum equivalent)	
t	1000m ³	1000m ³	t	t	1000kWh	t	kl	
309,747	189,522	188,006	116,463	-	7,483,004	23,261,151	53,056,948	C.Y. 2017
314,393	180,825	180,951	107,622	-	7,479,962	22,900,255	50,331,625	C.Y. 2018
316,172	188,164	186,331	123,119	-	7,292,513	22,126,806	50,611,060	C.Y. 2019
288,843	181,229	179,951	128,081	9,471	6,844,495	21,106,960	44,837,736	C.Y. 2020
318,229	233,270	236,352	144,275	15,669	6,794,744	21,180,605	46,486,476	C.Y. 2021
305,079	185,364	183,823	124,207	-	7,234,640	21,988,541	49,452,390	F.Y. 2019
300,393	186,936	185,689	129,441	13,310	6,719,023	21,012,730	44,553,341	F.Y. 2020
81,880	51,380	51,596	37,975	3,839	1,628,963	5,596,571	11,501,507	Q1 2021
80,965	62,209	62,874	42,349	3,660	1,659,049	4,726,461	10,830,019	Q2
82,279	60,634	61,573	41,295	4,443	1,759,034	5,324,123	11,743,077	Q3
73,105	59,046	60,308	22,655	3,727	1,747,698	5,533,450	12,411,873	Q4
30,946	19,442	19,471	12,263	1,606	576,037	2,065,443	4,048,220	Jan. 2021
22,226	16,630	16,977	12,441	1,404	516,594	1,752,713	3,527,969	Feb.
28,708	15,308	15,149	13,271	829	536,331	1,778,415	3,925,318	Mar.
26,423	19,511	19,637	14,339	1,138	560,345	1,716,630	3,801,848	Apr.
27,701	22,934	23,294	13,639	1,323	578,703	1,592,684	3,674,131	May
26,840	19,765	19,943	14,372	1,199	520,001	1,417,147	3,354,040	Jun.
26,334	19,773	20,062	14,220	1,346	561,974	1,686,850	3,604,145	Jul.
28,660	20,136	20,389	13,475	1,517	616,706	1,850,884	4,033,761	Aug.
27,285	20,725	21,122	13,600	1,580	580,354	1,786,389	4,105,172	Sep.
22,265	19,129	19,716	3,015	1,381	580,231	1,795,754	4,129,318	Oct.
23,259	20,815	21,268	6,093	1,517	559,856	1,769,552	3,991,458	Nov.
27,580	19,102	19,324	13,547	829	607,611	1,968,144	4,291,096	Dec.

年 月		石油化学製品(原料用)(1)(つづき) as Materials (continued)							
		石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	NGL・コンデナート Natural gas liquids Condensate	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
		kl	kl	kl	kl	kl	kl	kl	kl
平成	29 年	53,020,598	277,040	31,211,865	19,689,000	864,230	170,702	550,225	-
	30	50,296,278	224,228	28,589,677	19,809,452	757,225	152,159	451,272	-
令和	1 年	50,583,042	54,012	30,676,616	17,872,583	871,601	172,202	477,962	-
	2	44,818,136	-	29,194,863	14,662,456	679,143	114,832	460,543	-
	3	46,447,964	123,207	30,744,065	15,101,547	638,309	153,541	421,679	-
令和	1 年度	49,427,139	54,012	30,609,379	17,089,832	747,655	145,583	459,533	-
	2	44,529,130	-	29,491,379	14,269,571	697,311	140,526	424,880	-
3 年	1~3月	11,492,273	-	7,845,859	3,628,863	135,989	46,986	98,180	-
	4~6	10,820,570	-	7,486,066	3,240,262	105,331	46,425	52,771	-
	7~9	11,732,585	5,857	7,399,561	4,015,721	226,320	36,299	134,514	-
	10~12	12,402,535	117,350	8,012,579	4,216,701	170,669	23,831	136,214	-
3 年	1月	4,044,714	-	2,638,445	1,359,400	80,302	16,613	35,311	-
	2	3,525,357	-	2,444,403	1,067,477	54,755	14,779	29,887	-
	3	3,922,203	-	2,763,011	1,201,986	932	15,594	32,982	-
	4	3,798,749	-	2,650,237	1,165,343	82	15,604	29,212	-
	5	3,670,544	-	2,526,723	1,094,712	32,368	16,437	19,073	-
	6	3,351,278	-	2,309,106	980,207	72,881	14,384	4,486	-
	7	3,600,457	-	2,331,199	1,176,265	58,631	16,050	34,848	-
	8	4,030,566	-	2,504,243	1,406,751	84,527	16,376	50,026	-
	9	4,101,562	5,857	2,564,119	1,432,705	83,162	3,873	49,640	-
	10	4,126,298	56,444	2,672,367	1,337,544	75,099	-	49,185	-
	11	3,988,774	47,444	2,563,844	1,398,378	27,904	8,287	49,990	-
	12	4,287,464	13,462	2,776,368	1,480,779	67,666	15,544	37,039	-

年 月		石油化学製品(原料用)(1)(つづき)			石油化学製品(動力・燃料用)(2) for Driving power and fuels				
		液化天然ガス Liquefied natural gas	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil
		t	t	t	kl	kl	kl	kl	kl
平成	29 年	25,192	-	-	11,623,061	8,020,448	34	7,687	12
	30	24,487	-	-	10,520,516	6,949,232	36	7,346	9
令和	1 年	19,234	-	-	10,595,256	7,081,324	32	6,379	13
	2	13,544	-	-	9,832,085	6,519,833	27	5,592	17
	3	27,247	-	-	10,979,810	7,486,665	27	5,332	13
令和	1 年度	17,328	-	-	10,457,779	6,988,990	29	5,761	17
	2	16,964	-	-	9,990,911	6,663,873	28	9,794	13
3 年	1~3月	6,533	-	-	2,705,342	1,820,176	7	1,063	3
	4~6	6,685	-	-	2,602,394	1,760,762	8	1,112	3
	7~9	7,423	-	-	2,767,395	1,868,978	6	2,438	3
	10~12	6,606	-	-	2,904,679	2,036,748	6	719	4
3 年	1月	2,481	-	-	952,934	629,462	2	567	1
	2	1,848	-	-	839,512	562,805	2	240	1
	3	2,204	-	-	912,895	627,909	3	256	1
	4	2,193	-	-	913,741	623,336	3	223	1
	5	2,538	-	-	900,496	612,173	3	590	1
	6	1,954	-	-	788,157	525,253	2	299	1
	7	2,609	-	-	873,280	586,431	2	2,040	1
	8	2,260	-	-	941,929	630,397	2	192	1
	9	2,554	-	-	952,186	652,151	2	206	1
	10	2,137	-	-	928,921	655,547	2	215	1
	11	1,899	-	-	962,309	682,496	2	140	2
	12	2,570	-	-	1,013,450	698,705	2	364	1

年 月		石油化学製品(動力・燃料用)(2)(つづき) for Driving power and fuels (continued)							
		再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	コークス炉 ガス Coke oven gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)
		kl	kl	t	1000m ³	1000m ³	t	1000m ³	1000m ³
平成	29 年	19,224	1,298,675	732,866	4,616	96,468	284,555	189,522	188,006
	30	18,532	1,292,575	727,514	4,557	100,928	289,906	180,825	180,951
令和	1 年	18,134	1,306,121	731,840	4,477	84,725	296,938	188,164	186,331
	2	16,932	1,216,611	641,625	4,027	81,632	275,299	181,229	179,951
	3	20,220	1,397,042	729,350	4,239	96,500	290,982	233,270	236,352
令和	1 年度	18,382	1,275,919	716,445	4,431	80,044	287,751	185,364	183,823
	2	16,621	1,249,582	658,933	3,937	80,467	283,429	186,936	185,689
3 年	1~3月	5,015	346,791	182,646	1,013	24,166	75,347	51,380	51,596
	4~6	4,381	360,602	180,835	995	25,027	74,280	62,209	62,874
	7~9	5,132	366,775	197,259	1,197	21,308	74,856	60,634	61,573
	10~12	5,692	322,874	168,609	1,034	26,000	66,499	59,046	60,308
3 年	1月	1,724	127,121	63,373	319	10,622	28,465	19,442	19,471
	2	1,689	107,502	61,341	413	6,769	20,378	16,630	16,977
	3	1,602	112,168	57,931	281	6,774	26,504	15,308	15,149
	4	2,053	119,624	61,283	347	9,030	24,230	19,511	19,637
	5	726	124,402	63,414	312	7,781	25,163	22,934	23,294
	6	1,602	116,576	56,138	336	8,215	24,886	19,765	19,943
	7	1,602	117,975	63,610	405	6,272	23,725	19,773	20,062
	8	1,602	126,228	68,286	367	7,649	26,400	20,136	20,389
	9	1,928	122,571	65,363	425	7,387	24,731	20,725	21,122
	10	1,706	95,273	49,326	389	8,075	20,128	19,129	19,716
	11	1,914	105,419	54,215	300	8,777	21,360	20,815	21,268
	12	2,072	122,182	65,068	345	9,148	25,010	19,102	19,324

B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
550,225	276,774	4,503,700	15,717	584	36,350	1,481	-	C.Y. 2017
451,272	272,100	4,290,416	18,221	626	35,347	1,466	-	C.Y. 2018
477,962	254,898	4,480,691	17,212	556	28,017	1,616	-	C.Y. 2019
460,543	258,002	3,517,104	18,174	555	19,601	903	-	C.Y. 2020
421,679	260,469	4,041,180	17,401	624	38,512	-	-	C.Y. 2021
459,533	247,485	4,315,735	17,511	614	25,251	1,474	-	F.Y. 2019
424,880	265,594	3,525,078	17,990	562	24,211	478	-	F.Y. 2020
98,180	63,756	948,985	4,650	200	9,234	-	-	Q1 2021
52,771	55,351	998,274	4,437	145	9,449	-	-	Q2
134,514	65,392	1,079,622	2,792	66	10,492	-	-	Q3
136,214	75,970	1,014,299	5,522	213	9,337	-	-	Q4
35,311	23,831	334,980	1,613	63	3,507	-	-	Jan. 2021
29,887	17,156	289,589	1,022	75	2,612	-	-	Feb.
32,982	22,769	324,416	2,015	62	3,115	-	-	Mar.
29,212	26,679	329,687	1,621	74	3,100	-	-	Apr.
19,073	16,242	352,641	1,877	71	3,587	-	-	May
4,486	12,430	315,946	939	-	2,762	-	-	Jun.
34,848	15,841	343,391	479	3	3,688	-	-	Jul.
50,026	23,880	367,177	668	20	3,194	-	-	Aug.
49,640	25,671	369,054	1,645	43	3,610	-	-	Sep.
49,185	23,265	356,056	1,766	69	3,021	-	-	Oct.
49,990	25,550	312,801	1,848	78	2,684	-	-	Nov.
37,039	27,155	345,442	1,908	66	3,633	-	-	Dec.

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	Year, Quarter &Month
265,106	17,645	247,462	555,030	275,651	5,731,321	123,115	-	C.Y. 2017
245,330	15,387	229,944	510,054	298,600	4,835,164	135,245	-	C.Y. 2018
310,058	15,745	294,313	508,465	270,875	4,909,810	154,502	-	C.Y. 2019
262,080	16,553	245,527	528,103	254,500	4,485,004	130,959	-	C.Y. 2020
287,378	17,569	269,808	545,688	266,398	4,630,877	162,607	-	C.Y. 2021
317,759	16,032	301,727	508,496	266,273	4,829,503	153,022	-	F.Y. 2019
243,689	16,288	227,401	538,358	258,405	4,462,550	132,313	-	F.Y. 2020
67,373	3,673	63,700	132,519	68,239	1,125,816	37,788	-	Q1 2021
63,457	4,419	59,038	121,205	65,955	1,097,268	35,181	-	Q2
70,805	4,091	66,714	139,604	62,431	1,154,858	44,335	-	Q3
85,744	5,386	80,357	152,361	69,772	1,252,935	45,304	-	Q4
24,832	1,451	23,380	43,184	27,872	385,127	14,148	-	Jan. 2021
22,040	1,238	20,802	44,244	19,217	346,162	11,992	-	Feb.
20,501	984	19,517	45,091	21,150	394,528	11,648	-	Mar.
21,678	1,569	20,108	41,882	23,908	389,886	11,216	-	Apr.
22,646	1,644	21,003	44,019	20,810	382,776	11,214	-	May
19,133	1,205	17,927	35,303	21,237	324,606	12,751	-	Jun.
26,632	1,201	25,430	45,801	22,772	352,714	14,559	-	Jul.
23,338	1,502	21,836	47,901	20,200	390,686	15,034	-	Aug.
20,835	1,388	19,447	45,901	19,459	411,458	14,742	-	Sep.
21,623	1,192	20,431	45,844	22,945	409,945	15,083	-	Oct.
32,790	2,611	30,179	50,672	21,116	419,268	15,011	-	Nov.
31,330	1,583	29,748	55,844	25,711	423,722	15,210	-	Dec.

廃タイヤ Used tires t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	アンモニア及びアンモニア誘導品計(3~4) Ammonia and ammonia derived products total				Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ナフサ Naphtha kl	灯油 Kerosene kl	
116,463	-	7,483,004	23,261,151	983,337	455,327	15	-	C.Y. 2017
107,622	-	7,479,962	22,900,255	921,064	386,084	-	-	C.Y. 2018
123,119	-	7,292,513	22,126,806	958,892	457,351	-	-	C.Y. 2019
128,081	9,471	6,844,495	21,106,960	886,541	395,849	-	-	C.Y. 2020
144,275	15,669	6,794,744	21,180,605	1,016,295	496,334	-	-	C.Y. 2021
124,207	-	7,234,640	21,988,541	964,381	458,130	-	-	F.Y. 2019
129,441	13,310	6,719,023	21,012,730	885,088	388,338	-	-	F.Y. 2020
37,975	3,839	1,628,963	5,596,571	236,310	104,882	-	-	Q1 2021
42,349	3,660	1,659,049	4,726,461	268,478	131,155	-	-	Q2
41,295	4,443	1,759,034	5,324,123	284,076	139,946	-	-	Q3
22,655	3,727	1,747,698	5,533,450	227,431	120,351	-	-	Q4
12,263	1,606	576,037	2,065,443	88,911	40,776	-	-	Jan. 2021
12,441	1,404	516,594	1,752,713	52,634	15,503	-	-	Feb.
13,271	829	536,331	1,778,415	94,765	48,602	-	-	Mar.
14,339	1,138	560,345	1,716,630	82,577	37,592	-	-	Apr.
13,639	1,323	578,703	1,592,684	96,176	50,470	-	-	May
14,372	1,199	520,001	1,417,147	89,724	43,094	-	-	Jun.
14,220	1,346	561,974	1,686,850	95,774	45,233	-	-	Jul.
13,475	1,517	616,706	1,850,884	98,253	48,083	-	-	Aug.
13,600	1,580	580,354	1,786,389	90,048	46,630	-	-	Sep.
3,015	1,381	580,231	1,795,754	85,166	46,862	-	-	Oct.
6,093	1,517	559,856	1,769,552	66,276	40,563	-	-	Nov.
13,547	829	607,611	1,968,144	75,989	32,926	-	-	Dec.

年 月	アンモニア及びアンモニア誘導品計(3~4)(つづき) Ammonia and ammonia derived products total (continued) →							
	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	再生油(石油由来)
	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Hydrocarbon gas	Petroleum coke	Reproduction oil (Oil origin)
	kl	kl	kl	kl	t	1000m ³	t	kl
平成 29 年	25,391	576	24,815	1,118	706	53,771	470,280	-
30 年	16,892	1,729	15,163	459	862	50,286	398,584	-
令和 1 年	17,218	342	16,876	564	567	57,161	480,270	-
2 年	13,646	1,122	12,525	450	817	60,695	400,172	-
3 年	17,186	594	16,592	587	926	75,802	437,109	-
令和 1 年度	15,310	510	14,799	464	560	60,651	478,878	-
2 年	15,170	984	14,185	465	941	63,794	369,763	-
3 年 1~3月	4,782	142	4,640	121	268	19,010	86,236	-
4~6	4,732	117	4,615	146	251	21,744	112,639	-
7~9	3,469	65	3,404	216	114	19,557	127,909	-
10~12	4,203	269	3,933	104	293	15,491	110,325	-
3 年 1月	1,932	31	1,901	73	97	6,671	34,515	-
2 月	1,345	109	1,236	21	135	5,562	7,592	-
3 月	1,505	2	1,503	27	36	6,777	44,129	-
4 月	1,649	80	1,568	43	182	8,407	28,423	-
5 月	1,645	17	1,628	43	26	8,277	43,824	-
6 月	1,438	20	1,418	60	43	5,060	40,392	-
7 月	560	53	506	67	35	6,252	42,162	-
8 月	1,234	9	1,225	96	40	6,424	44,317	-
9 月	1,675	2	1,672	53	39	6,881	41,430	-
10 月	1,084	0	1,084	21	37	5,522	44,562	-
11 月	550	7	543	25	38	3,180	41,493	-
12 月	2,569	262	2,306	58	218	6,789	24,270	-

年 月	アンモニア及びアンモニア誘導品計(3~4)(つづき) アンモニア及びアンモニア誘導品(原料用)(3) as Materials →							
	RPF	電力	蒸気	計	石油系燃料	ナフサ	重油計	A重油
	Refuse Paper & Plastic Fuel	Electricity	Steam	(原油換算) Total (Crude petroleum equivalent)	(原油換算) Oil based fuels (Crude petroleum equivalent)	Naphtha	Heavy fuel oil total	Heavy fuel oil A
	t	1000kWh	t	kl	kl	kl	kl	kl
平成 29 年	-	661,829	620,505	555,533	350,896	15	2	2
30 年	-	610,092	515,761	512,984	292,846	-	2	2
令和 1 年	-	587,584	459,530	553,989	352,849	-	-	-
2 年	-	545,380	404,368	510,935	290,696	-	-	-
3 年	-	514,272	420,159	581,708	357,220	-	-	-
令和 1 年度	-	593,658	448,579	566,443	351,500	-	-	-
2 年	-	513,913	399,943	496,358	275,463	-	-	-
3 年 1~3月	-	119,663	109,760	129,341	71,345	-	-	-
4~6	-	134,704	103,240	156,444	92,416	-	-	-
7~9	-	138,575	102,226	168,232	104,405	-	-	-
10~12	-	121,330	104,933	127,691	89,054	-	-	-
3 年 1月	-	37,053	41,077	49,508	28,196	-	-	-
2 月	-	38,569	31,344	22,823	6,260	-	-	-
3 月	-	44,041	37,340	57,010	36,890	-	-	-
4 月	-	43,024	33,716	44,467	23,060	-	-	-
5 月	-	45,180	33,930	57,259	35,741	-	-	-
6 月	-	46,499	35,594	54,718	33,615	-	-	-
7 月	-	41,592	33,305	56,426	34,403	-	-	-
8 月	-	51,148	35,673	58,124	36,230	-	-	-
9 月	-	45,835	33,249	53,682	33,772	-	-	-
10 月	-	46,515	32,484	51,171	36,286	-	-	-
11 月	-	38,117	36,821	37,913	33,645	-	-	-
12 月	-	36,698	35,627	38,608	19,123	-	-	-

年 月	アンモニア及びアンモニア誘導品(動力・燃料用)(4)(つづき) for Driving power and fuels (continued) →							
	石油系燃料(原油換算)	ナフサ	灯油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス
	Oil based fuels (Crude petroleum equivalent)	Naphtha	Kerosene	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas
	kl	kl	kl	kl	kl	kl	kl	t
平成 29 年	104,431	-	-	25,389	574	24,815	1,118	706
30 年	93,238	-	-	16,890	1,727	15,163	459	862
令和 1 年	104,502	-	-	17,218	342	16,876	564	567
2 年	105,153	-	-	13,646	1,122	12,525	450	817
3 年	139,114	-	-	17,186	594	16,592	587	926
令和 1 年度	106,629	-	-	15,310	510	14,799	464	560
2 年	112,875	-	-	15,170	984	14,185	465	941
3 年 1~3月	33,536	-	-	4,782	142	4,640	121	268
4~6	38,739	-	-	4,732	117	4,615	146	251
7~9	35,541	-	-	3,469	65	3,404	216	114
10~12	31,297	-	-	4,203	269	3,933	104	293
3 年 1月	12,580	-	-	1,932	31	1,901	73	97
2 月	9,244	-	-	1,345	109	1,236	21	135
3 月	11,712	-	-	1,505	2	1,503	27	36
4 月	14,532	-	-	1,649	80	1,568	43	182
5 月	14,728	-	-	1,645	17	1,628	43	26
6 月	9,479	-	-	1,438	20	1,418	60	43
7 月	10,830	-	-	560	53	506	67	35
8 月	11,853	-	-	1,234	9	1,225	96	40
9 月	12,858	-	-	1,675	2	1,672	53	39
10 月	10,576	-	-	1,084	0	1,084	21	37
11 月	6,918	-	-	550	7	543	25	38
12 月	13,803	-	-	2,569	262	2,306	58	218

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	コークス炉 ガス Coke oven gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
423,554	123,999	21,711	35,726	157,755	29,051	30,443	45,322	C.Y. 2017
442,576	107,233	19,756	32,816	180,454	31,717	33,237	44,663	C.Y. 2018
415,118	126,791	16,712	33,951	148,183	30,292	31,743	53,980	C.Y. 2019
412,008	106,262	18,200	21,188	173,384	26,918	28,209	43,751	C.Y. 2020
443,080	112,915	19,098	38,288	175,951	27,399	28,712	47,119	C.Y. 2021
420,021	126,881	16,656	24,583	159,685	29,686	31,109	53,781	F.Y. 2019
421,300	101,422	18,489	30,908	175,209	26,219	27,476	43,231	F.Y. 2020
112,711	26,286	4,401	11,147	49,678	4,400	4,611	7,026	Q1 2021
117,656	29,367	5,028	9,693	46,879	7,178	7,522	13,628	Q2
124,173	30,619	4,858	7,164	52,223	8,214	8,608	13,409	Q3
88,540	26,642	4,811	10,284	27,170	7,607	7,972	13,056	Q4
41,849	9,790	1,565	3,964	17,077	2,215	2,321	4,583	Jan. 2021
31,377	6,817	1,328	3,471	15,581	171	179	77	Feb.
39,485	9,679	1,508	3,712	17,020	2,014	2,111	2,366	Mar.
38,652	8,722	1,664	3,545	15,241	2,508	2,628	4,849	Apr.
39,159	10,042	1,756	3,367	15,454	2,468	2,587	4,196	May
39,845	10,603	1,608	2,781	16,185	2,202	2,308	4,583	Jun.
44,370	10,449	1,626	3,002	18,577	2,615	2,740	5,292	Jul.
42,946	10,628	1,524	2,951	17,743	2,592	2,716	4,986	Aug.
36,856	9,541	1,708	1,211	15,903	3,007	3,152	3,131	Sep.
31,732	9,808	1,729	3,008	10,578	2,233	2,340	4,583	Oct.
19,622	9,758	1,608	3,632	1,653	2,621	2,747	3,903	Nov.
37,187	7,076	1,475	3,644	14,939	2,753	2,885	4,570	Dec.

石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	廃プラスチック Waste plastic t	アンモニア誘導品(4) 計 (原油換算) Total (Crude petroleum equivalent) kl	Year, Quarter &Month
-	454,150	204,637	590	982	119,664	45,322	427,804	C.Y. 2017
-	379,032	220,138	889	950	130,889	44,663	408,080	C.Y. 2018
-	456,698	201,140	469	1,204	112,419	53,980	404,903	C.Y. 2019
-	376,252	220,239	770	674	131,726	43,751	375,606	C.Y. 2020
-	415,148	224,488	600	545	132,875	47,119	434,587	C.Y. 2021
-	454,952	214,942	450	906	122,555	53,781	397,938	F.Y. 2019
-	347,107	220,895	845	941	132,158	43,231	388,730	F.Y. 2020
-	82,915	57,996	169	267	36,980	7,026	106,969	Q1 2021
-	107,402	64,028	228	278	37,675	13,628	112,034	Q2
-	121,336	63,827	66	-	37,943	13,409	115,844	Q3
-	103,495	38,637	137	-	20,277	13,056	99,740	Q4
-	32,768	21,312	16	126	12,518	4,583	39,403	Jan. 2021
-	7,275	16,563	138	53	11,570	77	29,812	Feb.
-	42,872	20,120	15	88	12,892	2,366	37,755	Mar.
-	26,799	21,407	150	96	12,402	4,849	38,110	Apr.
-	41,537	21,517	47	119	12,861	4,196	38,918	May
-	39,066	21,104	31	63	12,412	4,583	35,006	Jun.
-	39,982	22,023	11	-	12,741	5,292	39,348	Jul.
-	42,105	21,894	26	-	12,807	4,986	40,129	Aug.
-	39,249	19,910	29	-	12,395	3,131	36,366	Sep.
-	42,170	14,885	45	-	8,055	4,583	33,995	Oct.
-	39,101	4,267	18	-	920	3,903	28,363	Nov.
-	22,224	19,485	74	-	11,302	4,570	37,381	Dec.

石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	コークス炉 ガス Coke oven gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month
53,771	16,130	-	218,917	123,409	21,711	34,744	38,091	C.Y. 2017
50,286	19,552	-	222,438	106,344	19,756	31,866	49,565	C.Y. 2018
57,161	23,572	-	213,978	126,322	16,712	32,747	35,764	C.Y. 2019
60,695	23,920	-	191,769	105,492	18,200	20,514	41,658	C.Y. 2020
75,802	21,961	-	218,592	112,315	19,098	37,743	43,076	C.Y. 2021
60,651	23,926	-	205,079	126,431	16,656	23,677	37,130	F.Y. 2019
63,794	22,656	-	200,405	100,577	18,489	29,967	43,051	F.Y. 2020
19,010	3,321	-	54,715	26,117	4,401	10,880	12,698	Q1 2021
21,744	5,237	-	53,628	29,139	5,028	9,415	9,204	Q2
19,557	6,573	-	60,346	30,553	4,858	7,164	14,280	Q3
15,491	6,830	-	49,903	26,505	4,811	10,284	6,893	Q4
6,671	1,747	-	20,537	9,774	1,565	3,838	4,559	Jan. 2021
5,562	317	-	14,814	6,679	1,328	3,418	4,011	Feb.
6,777	1,257	-	19,365	9,664	1,508	3,624	4,128	Mar.
8,407	1,624	-	17,245	8,572	1,664	3,449	2,839	Apr.
8,277	2,287	-	17,641	9,995	1,756	3,248	2,593	May
5,060	1,326	-	18,741	10,572	1,608	2,718	3,773	Jun.
6,252	2,180	-	22,347	10,438	1,626	3,002	5,836	Jul.
6,424	2,212	-	21,052	10,602	1,524	2,951	4,936	Aug.
6,881	2,181	-	16,947	9,512	1,708	1,211	3,508	Sep.
5,522	2,392	-	16,846	9,763	1,729	3,008	2,523	Oct.
3,180	2,392	-	15,354	9,740	1,608	3,632	733	Nov.
6,789	2,046	-	17,702	7,002	1,475	3,644	3,637	Dec.

年 月	アンモニア及びアンモニア誘導品(動力・燃料用)(4)(つづき)							ソーダ工業製品(5)	
	都市ガス (A)	都市ガス (B)	廃プラスチック	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	
	Town gas(A)	Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	kl	kl	
	1000m ³	1000m ³	t	t	1000kWh	t			
平成 29 年	29,051	30,443	-	-	661,829	620,505	1,633,623	62,059	
30 年	31,717	33,237	-	-	610,092	515,761	1,675,946	73,730	
令和 1 年	30,292	31,743	-	-	587,584	459,530	1,651,092	78,802	
2 年	26,918	28,209	-	-	545,380	404,368	1,625,341	79,596	
3 年	27,399	28,712	-	-	514,272	420,159	1,700,184	83,502	
令和 1 年度	29,686	31,109	-	-	593,658	448,579	1,667,440	78,881	
2 年	26,219	27,476	-	-	513,913	399,943	1,616,323	80,073	
3 年 1~3月	4,400	4,611	-	-	119,663	109,760	435,467	20,594	
4~6	7,178	7,522	-	-	134,704	103,240	377,865	19,133	
7~9	8,214	8,608	-	-	138,575	102,226	434,407	21,946	
10~12	7,607	7,972	-	-	121,330	104,933	452,446	21,829	
3 年 1月	2,215	2,321	-	-	37,053	41,077	152,325	7,988	
2 月	171	179	-	-	38,569	31,344	138,543	7,011	
3 月	2,014	2,111	-	-	44,041	37,340	144,598	5,594	
4 月	2,508	2,628	-	-	43,024	33,716	144,468	6,347	
5 月	2,468	2,587	-	-	45,180	33,930	112,253	7,756	
6 月	2,202	2,308	-	-	46,499	35,594	121,144	5,030	
7 月	2,615	2,740	-	-	41,592	33,305	137,449	7,248	
8 月	2,592	2,716	-	-	51,148	35,673	149,117	7,655	
9 月	3,007	3,152	-	-	45,835	33,249	147,841	7,043	
10 月	2,233	2,340	-	-	46,515	32,484	149,177	6,877	
11 月	2,621	2,747	-	-	38,117	36,821	145,637	7,402	
12 月	2,753	2,885	-	-	36,698	35,627	157,632	7,550	

年 月	ソーダ工業製品(5)(つづき) Soda products (continued)							
	オイルコークス	アスファルト	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	天然ガス	液化天然ガス	都市ガス (A)
	Petroleum coke	Asphalt		Coal		Natural gas	Liquefied natural gas	Town gas(A)
	t	t	kl	t	t	1000m ³	t	1000m ³
平成 29 年	56,778	-	1,109,204	1,493,333	31,360	22,594	19,294	32,742
30 年	72,433	-	1,144,394	1,547,333	31,198	24,652	19,518	27,435
令和 1 年	78,216	-	1,117,272	1,526,234	30,230	22,425	14,924	25,126
2 年	78,649	-	1,104,394	1,502,454	29,887	24,383	15,849	24,984
3 年	78,124	-	1,138,275	1,511,425	30,422	29,341	18,587	30,582
令和 1 年度	79,837	-	1,130,480	1,539,788	30,301	23,042	16,980	25,631
2 年	76,614	-	1,095,067	1,485,398	29,788	25,285	14,247	24,738
3 年 1~3月	18,213	-	298,557	402,744	8,000	6,908	3,733	6,407
4~6	16,927	-	245,210	313,376	8,054	8,533	4,409	10,901
7~9	21,652	-	288,257	387,528	6,079	7,368	4,134	7,238
10~12	21,333	-	306,252	407,777	8,289	6,532	6,312	6,036
3 年 1月	7,233	-	101,452	134,912	2,678	2,510	1,901	2,144
2 月	6,665	-	94,629	128,103	2,517	2,107	1,070	2,014
3 月	4,314	-	102,476	139,729	2,805	2,291	763	2,249
4 月	5,109	-	98,517	127,692	2,708	2,563	1,325	5,075
5 月	7,566	-	70,042	86,209	2,703	2,982	1,543	3,940
6 月	4,252	-	76,651	99,475	2,643	2,988	1,541	1,886
7 月	7,278	-	89,241	119,122	1,009	2,911	1,498	2,516
8 月	7,349	-	99,465	133,820	2,325	2,065	1,342	2,946
9 月	7,024	-	99,550	134,586	2,745	2,391	1,294	1,776
10 月	6,982	-	100,898	136,534	2,727	1,514	1,790	1,770
11 月	6,947	-	98,841	131,350	2,760	2,292	1,862	2,002
12 月	7,404	-	106,514	139,893	2,802	2,726	2,660	2,265

Soda products									Year, Quarter &Month
NGL・コンデンサート	灯油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系 炭化水素ガス		
Natural gas liquids Condensate	Kerosene	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Hydrocarbon gas		
kl	kl	kl	kl	kl	kl	t	1000m ³		
3,042	77	12,187	5,151	7,035	767	1,116	196		C.Y. 2017
2,819	25	12,551	5,428	7,124	709	760	182		C.Y. 2018
2,503	149	13,229	4,645	8,585	633	832	158		C.Y. 2019
2,672	88	13,266	5,543	7,722	1,000	849	130		C.Y. 2020
227	48	13,198	5,255	7,943	948	783	133		C.Y. 2021
2,582	129	12,236	4,804	7,431	575	786	143		F.Y. 2019
1,978	84	14,028	5,471	8,557	1,187	887	161		F.Y. 2020
227	7	3,596	1,265	2,332	392	341	58		Q1 2021
-	2	3,871	1,235	2,636	261	135	25		Q2
-	21	2,830	1,481	1,349	149	122	29		Q3
-	19	2,901	1,274	1,627	146	185	21		Q4
227	4	1,108	454	654	180	151	9		Jan. 2021
-	2	1,001	420	581	92	94	6		Feb.
-	0	1,487	391	1,096	120	96	43		Mar.
-	0	1,591	362	1,229	162	58	12		Apr.
-	0	1,086	438	648	39	41	9		May
-	1	1,193	435	758	60	36	3		Jun.
-	0	856	441	415	52	27	4		Jul.
-	2	1,158	604	554	59	37	11		Aug.
-	18	816	436	380	38	57	15		Sep.
-	16	745	416	329	29	38	1		Oct.
-	1	1,199	511	689	81	57	6		Nov.
-	2	956	347	610	35	90	14		Dec.

都市ガス (B)	廃タイヤ	廃プラスチック	RPF	電力	蒸気	Year, Quarter &Month
Town gas(B)	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	
1000m ³	t	t	t	1000kWh	t	
34,764	4,834	-	-	4,658,154	420,167	C.Y. 2017
29,230	7,981	-	-	4,602,558	429,353	C.Y. 2018
26,806	7,029	-	-	4,557,318	449,660	C.Y. 2019
26,651	6,835	-	-	4,412,544	446,778	C.Y. 2020
32,466	3,698	-	-	4,789,091	476,124	C.Y. 2021
27,339	7,023	-	-	4,591,661	447,725	F.Y. 2019
26,376	6,487	-	-	4,399,341	462,112	F.Y. 2020
6,832	962	-	-	1,147,791	138,091	Q1 2021
11,512	-	-	-	1,154,169	89,080	Q2
7,675	303	-	-	1,253,552	109,886	Q3
6,447	2,433	-	-	1,233,579	139,067	Q4
2,287	684	-	-	425,181	48,221	Jan. 2021
2,149	278	-	-	365,861	41,514	Feb.
2,395	-	-	-	356,749	48,357	Mar.
5,351	-	-	-	402,192	31,697	Apr.
4,163	-	-	-	351,288	25,703	May
1,999	-	-	-	400,690	31,680	Jun.
2,666	-	-	-	413,964	35,472	Jul.
3,115	-	-	-	424,127	36,793	Aug.
1,894	303	-	-	415,461	37,621	Sep.
1,894	663	-	-	415,857	39,320	Oct.
2,138	896	-	-	388,578	46,984	Nov.
2,415	874	-	-	429,144	52,763	Dec.

③ 化学繊維

Chemical fibers

直接投入エネルギー表

Table of direct input energy

年 月	化学繊維工業 Chemical fibers industry							
	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	1,500,561	56,263	80	2,475	97	45,791	5,686	40,105
30	1,486,430	49,561	82	1,969	95	39,776	6,018	33,758
令和 1 年	1,404,767	47,276	84	1,796	87	38,208	5,936	32,272
2	1,278,653	42,879	65	1,704	83	34,314	5,036	29,278
3	1,372,788	47,344	56	1,725	89	38,256	4,962	33,294
令和 1 年度	1,387,269	46,652	82	1,782	86	37,305	5,070	32,235
2	1,274,811	42,689	57	1,672	82	34,556	4,784	29,772
3 年 1~3月	350,653	11,720	13	488	23	9,541	1,221	8,320
4~6	335,478	12,061	14	452	22	9,941	1,033	8,908
7~9	347,326	12,172	14	422	22	9,805	1,323	8,482
10~12	339,332	11,391	15	363	22	8,969	1,385	7,584
3 年 1月	116,559	4,277	4	170	8	3,479	411	3,068
2	110,752	3,376	5	159	8	2,726	409	2,317
3	123,342	4,067	4	159	7	3,336	401	2,935
4	119,383	3,776	5	128	8	3,018	465	2,553
5	111,751	3,905	4	194	7	3,313	316	2,997
6	104,344	4,380	5	130	7	3,610	252	3,358
7	114,525	4,284	5	141	7	3,452	442	3,010
8	120,541	4,106	4	143	7	3,300	460	2,840
9	112,260	3,782	5	138	8	3,053	421	2,632
10	115,337	3,815	5	116	8	3,001	442	2,559
11	107,194	3,589	5	84	7	2,928	442	2,486
12	116,800	3,987	5	163	7	3,040	501	2,539

年 月	化学繊維工業(つづき) 化学繊維製品 Chemical fibers products							
	蒸気 Steam	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
	t	kl	kl	kl	kl	kl	kl	kl
平成 29 年	11,926,065	497,512	13,718	12	1,034	24	11,631	538
30	11,920,337	499,148	12,644	12	770	24	10,866	583
令和 1 年	11,020,372	467,433	11,565	12	742	24	9,883	262
2	9,700,235	408,451	11,647	12	733	24	10,018	515
3	10,478,264	428,289	12,844	12	770	25	11,049	412
令和 1 年度	10,767,674	457,690	12,049	12	753	24	10,320	328
2	9,659,077	404,442	11,702	12	723	24	10,088	384
3 年 1~3月	2,774,796	108,166	3,385	3	185	6	2,936	6
4~6	2,526,941	109,112	3,395	3	210	6	2,934	158
7~9	2,560,897	108,363	2,953	3	186	6	2,547	156
10~12	2,615,630	102,648	3,112	3	189	7	2,632	92
3 年 1月	911,374	36,465	1,258	1	58	2	1,103	4
2	889,897	32,845	1,080	1	70	2	927	2
3	973,525	38,856	1,047	1	57	2	906	-
4	927,286	36,550	815	1	71	2	684	32
5	836,907	36,494	1,086	1	77	2	929	23
6	762,748	36,068	1,493	1	62	2	1,321	103
7	840,914	36,850	1,061	1	62	2	922	92
8	897,770	36,925	1,181	1	62	2	1,029	25
9	822,213	34,588	711	1	62	2	596	39
10	868,388	34,850	1,007	1	63	2	866	31
11	843,829	32,967	984	1	63	2	842	2
12	903,413	34,831	1,120	1	63	3	924	59

年 月	化学繊維製品(つづき) その他の繊維製品 Other fibers products							
	電力 Electricity	蒸気 Steam	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	液化石油ガス Liquefied petroleum gas	非石油系燃料 (原油換算) (Crude petroleum equivalent)
	1000kWh	t	kl	kl	kl	kl	t	kl
平成 29 年	1,739,668	4,546,864	7,994	284	-	-	216	139
30	1,692,784	4,655,107	8,330	223	-	-	170	141
令和 1 年	1,560,801	4,392,517	7,939	159	-	-	121	147
2	1,396,574	3,775,149	7,897	159	-	-	121	154
3	1,440,922	3,983,758	8,481	155	-	-	120	118
令和 1 年度	1,543,774	4,265,509	7,765	160	-	-	122	147
2	1,371,351	3,751,561	7,923	154	-	-	118	149
3 年 1~3月	343,136	1,031,003	2,111	44	-	-	34	31
4~6	361,073	1,020,343	2,065	41	-	-	32	32
7~9	387,598	983,557	2,211	31	-	-	24	33
10~12	349,115	948,855	2,094	39	-	-	30	22
3 年 1月	116,456	343,118	704	13	-	-	10	12
2	106,435	308,998	666	14	-	-	11	9
3	120,245	378,887	741	17	-	-	13	11
4	116,483	352,337	691	16	-	-	12	10
5	121,270	340,503	681	13	-	-	10	12
6	123,320	327,503	693	13	-	-	10	11
7	136,112	327,969	789	10	-	-	8	11
8	129,642	335,826	760	10	-	-	8	12
9	121,844	319,762	662	10	-	-	8	11
10	116,666	326,306	706	13	-	-	10	10
11	112,280	305,126	712	13	-	-	10	7
12	120,169	317,423	676	13	-	-	10	5

液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	Year, Quarter &Month
3,492	-	79,461	1,063	67,640	73,409	-	5,810,272	C.Y. 2017
3,732	-	78,906	1,156	67,080	72,763	-	5,740,625	C.Y. 2018
3,409	-	84,515	1,214	71,729	77,967	-	5,495,747	C.Y. 2019
3,304	-	88,860	739	76,102	82,689	-	5,121,517	C.Y. 2020
3,579	-	89,842	742	76,721	83,420	-	5,498,934	C.Y. 2021
3,643	-	90,964	1,242	77,221	84,002	-	5,432,795	F.Y. 2019
3,009	-	86,028	710	73,732	80,061	-	5,143,281	F.Y. 2020
782	-	22,037	236	18,788	20,436	-	1,344,802	Q1 2021
727	-	22,180	231	18,934	20,577	-	1,360,642	Q2
965	-	22,529	41	19,465	21,159	-	1,457,824	Q3
1,105	-	22,896	234	19,534	21,248	-	1,335,666	Q4
292	-	7,205	85	6,137	6,671	-	452,381	Jan. 2021
232	-	6,675	68	5,698	6,195	-	421,286	Feb.
258	-	8,157	83	6,953	7,570	-	471,135	Mar.
323	-	8,632	78	7,362	8,024	-	460,959	Apr.
121	-	7,501	75	6,409	6,963	-	456,848	May
283	-	6,047	78	5,163	5,590	-	442,835	Jun.
343	-	7,078	28	6,083	6,627	-	484,163	Jul.
333	-	8,096	-	7,018	7,623	-	497,549	Aug.
289	-	7,356	13	6,364	6,909	-	476,112	Sep.
375	-	7,441	72	6,360	6,911	-	473,600	Oct.
285	-	7,634	79	6,510	7,083	-	404,684	Nov.
445	-	7,821	83	6,664	7,254	-	457,382	Dec.

B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
11,093	114	-	7,678	1,063	5,314	5,818	-	C.Y. 2017
10,283	120	-	7,268	1,156	4,884	5,308	-	C.Y. 2018
9,621	111	-	7,060	1,214	4,633	5,035	-	C.Y. 2019
9,503	83	-	5,946	739	4,256	4,617	-	C.Y. 2020
10,637	139	-	6,042	742	4,336	4,702	-	C.Y. 2021
9,992	115	-	7,196	1,242	4,726	5,126	-	F.Y. 2019
9,704	74	-	5,859	710	4,213	4,573	-	F.Y. 2020
2,930	24	-	1,597	236	1,099	1,190	-	Q1 2021
2,776	24	-	1,601	231	1,104	1,200	-	Q2
2,391	23	-	1,370	41	1,141	1,235	-	Q3
2,540	68	-	1,475	234	992	1,077	-	Q4
1,099	7	-	658	85	469	506	-	Jan. 2021
925	8	-	505	68	358	385	-	Feb.
906	9	-	435	83	272	299	-	Mar.
652	7	-	545	78	374	409	-	Apr.
906	7	-	590	75	423	456	-	May
1,218	10	-	466	78	307	335	-	Jun.
830	8	-	458	28	361	394	-	Jul.
1,004	8	-	472	-	412	444	-	Aug.
557	7	-	440	13	368	397	-	Sep.
835	9	-	435	72	291	314	-	Oct.
840	10	-	447	79	288	316	-	Nov.
865	49	-	592	83	413	447	-	Dec.

都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
119	131	41,443	53,761	C.Y. 2017
122	133	42,892	57,512	C.Y. 2018
127	138	42,074	53,815	C.Y. 2019
133	145	45,110	49,014	C.Y. 2020
100	111	48,840	53,019	C.Y. 2021
127	138	42,032	51,341	F.Y. 2019
128	140	45,779	48,625	F.Y. 2020
26	29	10,564	15,244	Q1 2021
27	30	11,653	13,129	Q2
28	31	14,579	11,443	Q3
19	21	12,044	13,203	Q4
10	11	3,651	4,914	Jan. 2021
7	8	3,215	4,981	Feb.
9	10	3,698	5,349	Mar.
8	9	3,630	4,752	Apr.
10	11	3,799	4,380	May
9	10	4,224	3,997	Jun.
9	10	5,131	4,208	Jul.
10	11	4,919	4,060	Aug.
9	10	4,529	3,175	Sep.
8	9	4,350	4,035	Oct.
6	7	3,916	4,741	Nov.
5	5	3,778	4,427	Dec.

③ 化学繊維

Chemical fibers

一次投入燃料換算表 Conversion table for primary input fuel

年 月	化学繊維工業 Chemical fibers industry							
	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	2,005,378	438,830	80	4,070	167	202,698	24,890	177,808
30	1,954,901	416,315	82	3,571	163	185,621	22,470	163,151
令和 1 年	1,888,157	383,235	84	3,114	147	171,316	21,449	149,867
2	1,804,431	353,730	65	2,093	134	148,898	23,097	125,800
3	1,976,018	396,566	56	2,156	154	170,264	21,351	148,913
令和 1 年度	1,905,438	384,983	82	2,746	139	165,932	20,810	145,122
2	1,798,986	359,226	57	2,062	136	154,582	22,132	132,449
3 年 1~3月	490,928	101,196	13	599	36	41,529	4,497	37,032
4~6	496,648	94,456	14	568	35	42,157	7,687	34,470
7~9	510,742	99,105	14	518	49	38,587	4,494	34,093
10~12	477,700	101,809	15	471	34	47,992	4,674	43,318
3 年 1月	164,715	35,496	4	202	13	13,932	1,102	12,830
2	153,902	33,224	5	196	11	12,283	950	11,333
3	172,310	32,476	4	201	13	15,314	2,445	12,869
4	183,205	30,832	5	171	14	14,848	3,756	11,092
5	161,324	32,223	4	228	13	12,895	1,350	11,545
6	152,119	31,400	5	169	9	14,414	2,581	11,833
7	169,570	31,470	5	176	19	8,848	1,444	7,404
8	176,795	38,642	4	171	13	15,390	1,929	13,461
9	164,377	28,993	5	171	16	14,349	1,121	13,228
10	158,889	30,402	5	151	12	19,284	2,120	17,164
11	151,587	35,327	5	122	11	15,477	1,336	14,141
12	167,224	36,080	5	198	12	13,230	1,217	12,013

年 月	化学繊維工業(つづき) Chemical fibers industry (continued)					化学繊維製品 Chemical fibers products		
	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) (Crude petroleum equivalent)	石油系燃料 (原油換算) (Crude petroleum equivalent)	ガソリン Gasoline
	1000m ³	t	t	1000kWh	t	kl	kl	kl
平成 29 年	417,024	-	13,235	2,144,819	1,755,622	602,032	147,469	12
30	395,190	-	13,064	2,141,578	1,777,650	592,368	143,588	12
令和 1 年	391,879	-	13,574	2,169,607	1,591,710	559,580	117,085	12
2	419,157	-	9,255	2,012,520	1,063,314	498,506	113,004	12
3	444,573	-	-	2,282,606	1,232,785	535,311	124,199	12
令和 1 年度	411,534	-	13,189	2,124,602	1,476,985	553,488	117,726	12
2	410,266	-	5,633	2,044,135	1,036,560	492,939	114,315	12
3 年 1~3月	103,488	-	-	526,673	332,759	131,333	32,423	3
4~6	128,592	-	-	597,726	319,993	142,469	31,736	3
7~9	113,030	-	-	578,736	284,191	136,326	31,212	3
10~12	99,463	-	-	579,471	295,842	125,182	28,828	3
3 年 1月	35,819	-	-	174,726	112,768	44,404	10,800	1
2	30,889	-	-	161,855	103,354	39,478	10,327	1
3	36,781	-	-	190,092	116,637	47,451	11,297	1
4	47,607	-	-	191,369	107,588	51,466	11,091	1
5	42,531	-	-	197,740	110,162	45,659	10,255	1
6	38,454	-	-	208,617	102,243	45,344	10,390	1
7	38,409	-	-	187,992	96,394	46,089	10,266	1
8	38,652	-	-	195,825	98,447	46,662	11,648	1
9	35,968	-	-	194,919	89,350	43,576	9,299	1
10	32,930	-	-	221,095	97,674	41,630	8,860	1
11	30,487	-	-	165,654	93,181	40,669	9,176	1
12	36,046	-	-	192,722	104,987	42,883	10,792	1

年 月	化学繊維製品(つづき) Chemical fibers products (continued)							
	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) (Crude petroleum equivalent)	石炭 Coal	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel
	kl	kl	t	t	1000m ³	1000m ³	t	t
平成 29 年	-	260,447	269,440	10,902	48,896	52,839	-	13,235
30	-	257,597	275,695	10,909	42,870	46,356	-	13,064
令和 1 年	-	260,886	261,083	10,198	56,149	59,171	-	13,574
2	-	239,329	234,726	8,088	56,765	61,236	-	9,255
3	-	248,790	249,013	10,178	57,549	62,584	-	-
令和 1 年度	-	259,282	256,345	10,004	57,798	61,156	-	13,189
2	-	234,512	232,323	8,361	55,158	59,851	-	5,633
3 年 1~3月	-	58,871	57,998	2,753	13,686	14,939	-	-
4~6	-	68,579	64,976	2,574	19,886	19,886	-	-
7~9	-	64,361	67,271	2,267	13,663	14,866	-	-
10~12	-	56,980	58,768	2,584	11,837	12,894	-	-
3 年 1月	-	20,163	19,286	898	5,092	5,543	-	-
2	-	16,824	16,589	938	3,704	4,059	-	-
3	-	21,884	22,123	916	4,890	5,337	-	-
4	-	26,699	26,302	992	6,617	7,117	-	-
5	-	21,196	19,487	914	5,884	6,367	-	-
6	-	20,684	19,187	668	5,863	6,403	-	-
7	-	21,845	22,889	756	4,619	5,028	-	-
8	-	21,244	21,779	852	4,635	5,040	-	-
9	-	21,272	22,603	660	4,409	4,798	-	-
10	-	18,983	20,877	569	3,539	3,859	-	-
11	-	19,060	20,308	926	3,493	3,818	-	-
12	-	18,937	17,583	1,089	4,805	5,216	-	-

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	Year, Quarter &Month
376	3,973	273,691	-	1,245,679	1,162,096	14,916	384,669	C.Y. 2017
406	4,253	268,353	-	1,216,495	1,156,478	13,403	364,288	C.Y. 2018
398	3,908	246,663	-	1,193,076	1,126,786	12,998	362,247	C.Y. 2019
317	3,729	241,752	-	1,189,992	1,088,288	10,718	385,953	C.Y. 2020
298	4,124	239,851	-	1,281,905	1,174,176	12,647	409,425	C.Y. 2021
381	4,122	256,534	-	1,220,726	1,137,226	13,093	380,033	F.Y. 2019
305	3,454	234,281	-	1,177,929	1,083,271	10,977	377,600	F.Y. 2020
73	921	63,685	-	317,737	300,703	3,560	95,103	Q1 2021
82	904	55,389	-	324,472	272,174	3,075	118,832	Q2
67	1,055	64,826	-	338,158	317,241	2,947	104,048	Q3
76	1,243	55,951	-	301,538	284,058	3,065	91,441	Q4
34	335	23,075	-	105,171	97,182	1,124	32,977	Jan. 2021
10	279	22,612	-	98,478	94,921	1,172	28,329	Feb.
29	307	17,998	-	114,089	108,599	1,263	33,797	Mar.
30	362	16,732	-	127,134	110,874	1,272	44,173	Apr.
29	152	20,848	-	103,092	83,705	1,041	39,309	May
23	390	17,809	-	94,246	77,594	761	35,350	Jun.
14	373	24,795	-	113,949	106,402	990	35,353	Jul.
26	356	24,984	-	113,132	104,470	1,151	35,608	Aug.
27	326	15,047	-	111,076	106,369	806	33,087	Sep.
35	437	10,426	-	101,168	96,676	704	30,258	Oct.
14	321	21,094	-	94,410	89,739	1,069	27,985	Nov.
27	485	24,431	-	105,960	97,643	1,292	33,198	Dec.

灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	Year, Quarter &Month
1,049	32	66,763	8,048	58,715	328	122	96,060	C.Y. 2017
785	31	66,345	5,528	60,818	358	127	91,660	C.Y. 2018
767	30	56,649	5,626	51,024	339	123	71,010	C.Y. 2019
775	28	54,232	7,718	46,513	273	97	69,440	C.Y. 2020
770	30	57,328	7,368	49,960	257	161	71,579	C.Y. 2021
776	29	54,922	5,712	49,210	327	127	74,267	F.Y. 2019
764	28	55,437	7,440	47,997	262	90	67,321	F.Y. 2020
185	7	14,445	1,736	12,709	62	26	19,374	Q1 2021
210	7	16,516	3,929	12,587	70	39	16,110	Q2
186	8	12,785	566	12,219	58	23	19,954	Q3
189	8	13,582	1,137	12,445	67	74	16,142	Q4
58	2	4,384	113	4,270	29	7	6,945	Jan. 2021
70	2	4,021	105	3,916	8	8	6,861	Feb.
57	2	6,040	1,518	4,522	24	11	5,568	Mar.
71	2	6,512	2,723	3,789	26	7	4,829	Apr.
77	2	4,225	197	4,027	25	7	6,503	May
62	2	5,779	1,008	4,771	19	25	4,777	Jun.
62	3	3,678	293	3,386	12	8	7,240	Jul.
62	2	4,896	196	4,700	22	8	7,297	Aug.
62	3	4,211	77	4,133	24	7	5,416	Sep.
63	2	4,991	455	4,536	31	15	3,940	Oct.
63	2	4,706	358	4,349	13	10	4,685	Nov.
63	3	3,885	324	3,560	23	49	7,518	Dec.

電力 Electricity 1000kWh	蒸気 Steam t	その他の繊維製品 Other fibers products						液化石油ガス Liquefied petroleum gas t	Year, Quarter &Month
		計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl			
1,116,266	1,306,071	9,414	3,394	1,586	1,186	401	216	C.Y. 2017	
1,063,152	1,335,134	9,875	3,134	1,468	1,155	312	170	C.Y. 2018	
1,011,354	1,266,306	9,408	3,049	1,479	1,104	374	121	C.Y. 2019	
897,522	906,850	9,265	2,630	1,222	950	272	121	C.Y. 2020	
954,412	1,063,906	9,947	2,786	1,269	908	361	120	C.Y. 2021	
998,181	1,209,847	9,191	2,922	1,364	1,054	309	122	F.Y. 2019	
888,615	889,020	9,290	2,624	1,244	932	312	118	F.Y. 2020	
218,399	285,334	2,432	713	346	273	73	34	Q1 2021	
243,838	281,714	2,340	533	252	192	60	32	Q2	
254,787	246,695	2,656	752	307	208	99	24	Q3	
237,387	250,162	2,519	788	364	235	129	30	Q4	
73,096	96,097	819	245	119	99	20	10	Jan. 2021	
67,552	87,431	765	241	111	89	22	11	Feb.	
77,752	101,807	848	226	116	86	30	13	Mar.	
76,928	94,328	772	186	90	69	21	12	Apr.	
80,740	96,901	772	161	70	54	16	10	May	
86,170	90,485	796	187	92	70	22	10	Jun.	
88,940	82,535	930	243	82	67	15	8	Jul.	
84,237	85,848	910	249	84	67	17	8	Aug.	
81,611	78,313	816	260	141	74	67	8	Sep.	
84,971	85,111	850	252	177	79	99	10	Oct.	
74,880	79,082	892	317	94	78	16	10	Nov.	
77,536	85,969	778	219	92	78	14	10	Dec.	

年 月	その他の繊維製品(つづき) Other fibers products (continued)						Year, Quarter &Month
	オイルコークス	非石油系燃料 (原油換算)	都市ガス (A)	都市ガス (B)	電力	蒸気	
	Petroleum coke t	Non-oil based fuels (Crude petroleum equivalent) kl	Town gas(A) 1000m ³	Town gas(B) 1000m ³	Electricity 1000kWh	Steam t	
平成 29 年	1,914	944	828	888	31,609	30,896	C.Y. 2017
30 年	1,819	1,373	1,206	1,293	32,357	34,107	C.Y. 2018
令和 1 年	1,772	1,018	894	959	33,429	32,276	C.Y. 2019
2 年	1,575	1,056	927	994	38,567	28,811	C.Y. 2020
3 年	1,543	1,115	974	1,050	41,296	31,897	C.Y. 2021
令和 1 年度	1,762	1,043	916	982	33,636	30,339	F.Y. 2019
2 年	1,501	1,027	900	967	39,366	28,601	F.Y. 2020
3 年 1~3月	366	258	225	243	8,973	9,070	Q1 2021
4~6	272	285	249	269	10,233	8,241	Q2
7~9	471	326	285	307	12,146	6,479	Q3
10~12	434	246	215	231	9,944	8,107	Q4
3 年 1月	129	97	85	92	3,089	2,730	Jan. 2021
2	132	61	53	57	2,667	3,113	Feb.
3	105	100	87	94	3,218	3,227	Mar.
4	91	86	75	81	3,162	2,995	Apr.
5	89	109	95	102	3,351	2,759	May
6	93	91	79	86	3,720	2,487	Jun.
7	174	98	86	93	4,320	2,689	Jul.
8	178	113	99	107	4,117	2,386	Aug.
9	119	114	100	108	3,708	1,404	Sep.
10	62	103	91	97	3,645	2,244	Oct.
11	242	68	59	64	3,120	3,134	Nov.
12	130	75	66	70	3,179	2,729	Dec.

④ 石油製品

Petroleum products

直接投入エネルギー表

Table of direct input energy

年 月	石油製品工業								石油製品	
	Petroleum products industry								Petroleum products	
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	ナフサ Naphtha	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A		
	kl	kl	kl	kl	kl	kl	kl	kl	kl	
平成 29 年	12,668,623	8,078,833	312	185,591	659	3,217	229,899	6,446		
30 年	12,515,743	7,804,055	262	151,294	587	4,525	232,467	7,004		
令和 1 年	12,107,217	7,572,085	247	143,737	553	1,748	239,041	6,767		
2 年	10,804,115	6,505,445	233	157,268	1,358	590	221,732	15,493		
3 年	11,401,574	7,327,497	186	175,102	1,382	2,987	279,199	45,213		
令和 1 年度	11,831,281	7,384,812	237	143,969	524	1,754	223,034	6,792		
2 年	10,746,755	6,494,272	221	151,456	1,414	555	237,479	26,499		
3 年 1~3月	2,925,967	1,826,578	46	47,142	205	133	76,645	12,589		
4~6	2,542,892	1,597,293	49	19,124	133	2,352	55,899	9,807		
7~9	2,952,317	1,916,127	46	42,155	867	154	70,190	10,755		
10~12	2,980,399	1,987,500	45	66,681	177	348	76,465	12,062		
3 年 1月	1,079,580	680,350	11	21,500	106	30	26,652	3,318		
2 月	899,464	559,833	17	13,633	25	46	24,954	4,710		
3 月	946,923	586,395	18	12,009	74	57	25,039	4,561		
4 月	887,723	558,457	17	5,000	39	45	20,008	2,209		
5 月	843,463	533,801	17	7,163	37	804	18,423	3,677		
6 月	811,707	505,035	15	6,961	57	1,503	17,468	3,921		
7 月	939,150	605,123	17	8,016	349	57	24,415	4,235		
8 月	1,076,868	696,891	18	17,315	499	46	21,845	4,271		
9 月	936,299	614,112	11	16,824	19	51	23,930	2,249		
10 月	930,676	610,836	18	18,613	51	33	28,098	4,846		
11 月	941,898	628,678	9	19,971	89	53	22,939	4,160		
12 月	1,107,824	747,986	18	28,097	37	262	25,428	3,056		

年 月	石油製品工業(つづき)						石油製品	
	Petroleum products industry (continued)						Petroleum products	
	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)
	1000m ³	1000m ³	t	t	1000kWh	t	kl	kl
平成 29 年	82	92	-	-	11,953,680	46,889,141	12,567,118	8,077,977
30 年	85	93	-	-	11,833,489	48,836,906	12,423,939	7,803,125
令和 1 年	88	97	-	-	11,772,842	46,725,557	12,002,769	7,571,193
2 年	92	99	-	-	10,529,230	44,454,412	10,741,366	6,504,671
3 年	55	59	-	-	10,385,432	41,461,476	11,333,167	7,326,630
令和 1 年度	83	91	-	-	11,465,037	45,763,324	11,733,854	7,383,936
2 年	85	91	-	-	10,381,307	43,862,509	10,686,248	6,493,508
3 年 1~3月	18	19	-	-	2,658,857	11,181,085	2,907,257	1,826,384
4~6	11	12	-	-	2,289,811	9,780,754	2,529,162	1,597,073
7~9	12	13	-	-	2,770,166	10,425,244	2,933,652	1,915,911
10~12	14	15	-	-	2,666,598	10,074,393	2,963,096	1,987,262
3 年 1月	8	9	-	-	954,784	4,144,112	1,073,594	680,296
2 月	5	5	-	-	820,019	3,470,545	893,660	559,765
3 月	5	5	-	-	884,054	3,566,428	940,003	586,323
4 月	-	-	-	-	773,388	3,427,929	885,001	558,378
5 月	6	7	-	-	738,306	3,244,588	840,192	533,727
6 月	5	5	-	-	778,117	3,108,237	803,969	504,969
7 月	2	2	-	-	887,201	3,295,139	931,761	605,039
8 月	6	7	-	-	994,584	3,860,333	1,070,409	696,814
9 月	4	4	-	-	888,381	3,269,772	931,482	614,058
10 月	6	7	-	-	852,914	3,230,328	924,901	610,772
11 月	5	5	-	-	828,963	3,206,204	938,778	628,598
12 月	3	3	-	-	984,721	3,637,861	1,099,417	747,891

年 月	石油製品(つづき)							
	Petroleum products (continued)							
	石油系 炭化水素ガス Hydrocarbon gas	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)
	1000m ³	t	kl	kl	1000m ³	t	1000m ³	1000m ³
平成 29 年	6,316,086	-	-	236,774	69,568	112,329	82	92
30 年	6,080,517	-	-	235,220	69,701	111,121	85	93
令和 1 年	5,897,650	-	-	210,246	57,737	102,948	88	97
2 年	5,008,661	-	-	246,453	64,363	123,331	92	99
3 年	5,039,298	-	-	242,113	59,918	124,695	55	59
令和 1 年度	5,733,598	-	-	216,727	56,305	108,687	83	91
2 年	4,855,199	-	-	254,940	67,569	127,091	85	91
3 年 1~3月	1,251,660	-	-	79,200	20,035	40,453	18	19
4~6	1,115,236	-	-	56,534	6,790	34,713	11	12
7~9	1,321,199	-	-	57,892	17,089	27,671	12	13
10~12	1,351,203	-	-	48,486	16,004	21,858	14	15
3 年 1月	463,112	-	-	23,965	7,149	11,394	8	9
2 月	383,771	-	-	23,461	5,241	12,523	5	5
3 月	404,777	-	-	31,774	7,645	16,536	5	5
4 月	390,099	-	-	20,379	4,276	11,096	-	-
5 月	372,164	-	-	16,711	-	11,818	6	7
6 月	352,973	-	-	19,443	2,514	11,799	5	5
7 月	420,746	-	-	23,731	5,697	12,362	2	2
8 月	481,446	-	-	20,625	5,932	9,978	6	7
9 月	419,007	-	-	13,535	5,460	5,331	4	4
10 月	415,081	-	-	17,214	5,288	8,065	6	7
11 月	431,869	-	-	14,490	5,265	6,157	5	5
12 月	504,253	-	-	16,782	5,451	7,636	3	3

B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month
223,453	256,568	6,316,489	-	-	236,774	69,568	112,329	C.Y. 2017
225,463	275,172	6,080,908	-	-	235,220	69,701	111,121	C.Y. 2018
232,274	261,786	5,897,991	-	-	210,246	57,737	102,948	C.Y. 2019
206,239	241,075	5,008,966	-	-	246,453	64,363	123,331	C.Y. 2020
233,986	179,926	5,039,596	-	-	242,113	59,918	124,695	C.Y. 2021
216,242	277,190	5,733,941	-	-	216,727	56,305	108,687	F.Y. 2019
210,980	210,405	4,855,481	-	-	254,940	67,569	127,091	F.Y. 2020
64,056	41,900	1,251,730	-	-	79,200	20,035	40,453	Q1 2021
46,092	37,796	1,115,310	-	-	56,534	6,790	34,713	Q2
59,435	48,382	1,321,267	-	-	57,892	17,089	27,671	Q3
64,403	51,848	1,351,289	-	-	48,486	16,004	21,858	Q4
23,334	17,642	463,136	-	-	23,965	7,149	11,394	Jan. 2021
20,244	12,086	383,792	-	-	23,461	5,241	12,523	Feb.
20,478	12,172	404,802	-	-	31,774	7,645	16,536	Mar.
17,799	14,285	390,127	-	-	20,379	4,276	11,096	Apr.
14,746	12,896	372,188	-	-	16,711	-	11,818	May
13,547	10,615	352,995	-	-	19,443	2,514	11,799	Jun.
20,180	13,339	420,771	-	-	23,731	5,697	12,362	Jul.
17,574	18,294	481,476	-	-	20,625	5,932	9,978	Aug.
21,681	16,749	419,020	-	-	13,535	5,460	5,331	Sep.
23,252	13,669	415,109	-	-	17,214	5,288	8,065	Oct.
18,779	13,686	431,898	-	-	14,490	5,265	6,157	Nov.
22,372	24,493	504,282	-	-	16,782	5,451	7,636	Dec.

Petroleum product								Year, Quarter &Month
ガソリン Gasoline kl	ナフサ Naphtha kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	
251	185,591	636	2,896	229,899	6,446	223,453	256,568		C.Y. 2017
210	151,294	548	4,122	232,467	7,004	225,463	275,172	C.Y. 2018
200	143,737	513	1,354	239,009	6,735	232,274	261,786	C.Y. 2019
186	157,268	1,315	244	221,732	15,493	206,239	241,075	C.Y. 2020
138	175,102	1,329	2,597	279,199	45,213	233,986	179,926	C.Y. 2021
189	143,969	483	1,380	223,002	6,760	216,242	277,190	F.Y. 2019
173	151,456	1,364	211	237,479	26,499	210,980	210,405	F.Y. 2020
33	47,142	188	57	76,645	12,589	64,056	41,900	Q1 2021
38	19,124	120	2,250	55,899	9,807	46,092	37,796	Q2
34	42,155	856	47	70,190	10,755	59,435	48,382	Q3
33	66,681	165	243	76,465	12,062	64,403	51,848	Q4
7	21,500	99	17	26,652	3,318	23,334	17,642	Jan. 2021
13	13,633	21	13	24,954	4,710	20,244	12,086	Feb.
13	12,009	68	27	25,039	4,561	20,478	12,172	Mar.
13	5,000	34	10	20,008	2,209	17,799	14,285	Apr.
14	7,163	31	769	18,423	3,677	14,746	12,896	May
11	6,961	55	1,471	17,468	3,921	13,547	10,615	Jun.
13	8,016	345	12	24,415	4,235	20,180	13,339	Jul.
14	17,315	495	15	21,845	4,271	17,574	18,294	Aug.
7	16,824	16	20	23,930	2,249	21,681	16,749	Sep.
14	18,613	47	13	28,098	4,846	23,252	13,669	Oct.
6	19,971	86	16	22,939	4,160	18,779	13,686	Nov.
13	28,097	32	214	25,428	3,056	22,372	24,493	Dec.

廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
-	-	10,963,359	46,765,798	C.Y. 2017
-	-	10,954,245	48,705,481	C.Y. 2018
-	-	10,763,434	46,585,841	C.Y. 2019
-	-	9,954,149	44,331,745	C.Y. 2020
-	-	9,750,943	41,338,250	C.Y. 2021
-	-	10,527,874	45,627,725	F.Y. 2019
-	-	9,829,430	43,740,897	F.Y. 2020
-	-	2,483,813	11,148,787	Q1 2021
-	-	2,166,770	9,750,873	Q2
-	-	2,593,966	10,395,471	Q3
-	-	2,506,394	10,043,119	Q4
-	-	899,383	4,132,856	Jan. 2021
-	-	766,524	3,459,551	Feb.
-	-	817,906	3,556,380	Mar.
-	-	752,000	3,418,485	Apr.
-	-	710,907	3,235,219	May
-	-	703,863	3,097,169	Jun.
-	-	816,675	3,284,380	Jul.
-	-	932,583	3,851,452	Aug.
-	-	844,708	3,259,639	Sep.
-	-	798,955	3,220,323	Oct.
-	-	804,047	3,195,755	Nov.
-	-	903,392	3,627,041	Dec.

④ 石油製品

Petroleum products

一次投入燃料換算表

Conversion table for primary input fuel

年 月	石油製品工業 Petroleum products industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	ナフサ Naphtha	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	13,337,363	12,350,722	312	187,327	30,817	3,217	1,261,970	34,448
30 年	12,971,519	11,976,475	262	152,562	56,123	4,525	1,279,444	22,406
令和 1 年	12,610,402	11,758,085	247	145,604	38,358	1,748	1,259,948	27,899
2 年	11,176,779	10,154,086	233	160,729	153,940	3,491	1,252,116	45,628
3 年	12,193,139	11,177,032	186	175,969	85,344	2,987	1,277,553	149,141
令和 1 年度	12,257,122	11,348,328	237	145,519	46,445	1,754	1,231,452	25,341
2 年	11,241,125	10,222,134	221	155,016	173,548	3,456	1,291,531	67,803
3 年 1~3月	3,114,184	2,849,439	46	47,436	33,762	133	377,639	27,552
4~6	2,715,963	2,467,320	49	19,195	9,998	2,352	280,937	25,475
7~9	3,162,714	2,900,754	46	42,390	22,615	154	296,721	42,471
10~12	3,200,277	2,959,519	45	66,949	18,968	348	322,256	53,643
3 年 1月	1,144,160	1,054,973	11	21,591	17,294	30	134,378	8,267
2 年	963,949	885,525	17	13,713	10,814	46	117,418	10,665
3 年	1,006,075	908,941	18	12,132	5,654	57	125,843	8,620
4 年	931,149	851,707	17	5,000	1,619	45	116,719	8,209
5 年	903,829	822,749	17	7,181	5,005	804	88,694	9,204
6 年	880,985	792,864	15	7,014	3,375	1,503	75,524	8,062
7 年	1,006,664	908,404	17	8,160	9,551	57	100,445	9,140
8 年	1,143,415	1,054,508	18	17,379	8,254	46	98,269	15,807
9 年	1,012,636	937,843	11	16,851	4,810	51	98,007	17,524
10 年	1,004,776	921,863	18	18,660	8,833	33	111,358	19,062
11 年	1,005,796	932,449	9	19,971	3,015	53	106,894	21,559
12 年	1,189,705	1,105,207	18	28,317	7,120	262	104,004	13,022

年 月	石油製品工業(つづき) Petroleum products industry (continued)							
	石炭 Coal	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity
	t	1000m ³	t	1000m ³	1000m ³	t	t	1000kWh
平成 29 年	234,973	71,662	143,515	3,914	4,285	-	-	2,897,380
30 年	253,006	73,120	143,247	4,145	4,538	-	-	2,704,370
令和 1 年	75,906	61,518	133,798	4,184	4,581	-	-	2,665,122
2 年	277,209	68,149	178,119	4,054	4,438	-	-	2,332,455
3 年	277,128	61,897	171,389	3,920	4,292	-	-	2,370,521
令和 1 年度	121,535	60,147	145,422	4,179	4,575	-	-	2,691,114
2 年	269,962	71,475	184,286	4,008	4,388	-	-	2,261,707
3 年 1~3月	55,590	20,852	56,755	1,141	1,249	-	-	556,267
4~6	67,221	7,084	47,373	913	1,000	-	-	587,926
7~9	81,642	17,717	38,606	876	959	-	-	603,282
10~12	72,675	16,244	28,656	990	1,084	-	-	623,046
3 年 1月	21,929	7,387	17,207	408	447	-	-	172,740
2 年	11,843	5,472	17,907	345	378	-	-	174,092
3 年	21,818	7,993	21,641	388	425	-	-	209,435
4 年	16,660	4,448	14,742	325	356	-	-	195,268
5 年	24,630	-	16,531	308	337	-	-	183,500
6 年	25,931	2,636	16,100	280	307	-	-	209,158
7 年	31,831	5,967	17,054	278	304	-	-	214,434
8 年	29,119	6,121	13,925	295	323	-	-	205,811
9 年	20,692	5,629	7,627	303	332	-	-	183,037
10 年	18,927	5,425	10,333	315	345	-	-	230,073
11 年	19,719	5,292	8,222	332	363	-	-	210,879
12 年	34,029	5,527	10,100	343	376	-	-	182,094

年 月	石油製品(つづき) Petroleum products (continued)							
	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	石油系 炭化水素ガス Hydrocarbon gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)
	kl	kl	kl	t	1000m ³	t	t	kl
平成 29 年	33,676	1,201,130	49,157	346,989	8,085,849	192,541	571,971	-
30 年	21,496	1,228,755	97,135	369,135	7,766,587	281,635	429,526	-
令和 1 年	26,928	1,206,241	112,102	356,083	7,525,344	321,471	483,988	-
2 年	44,775	1,184,682	99,682	314,008	6,457,429	243,025	216,070	-
3 年	147,986	1,107,117	70,739	263,324	6,550,278	275,977	189,505	-
令和 1 年度	24,412	1,182,406	112,612	377,900	7,280,833	239,830	427,149	-
2 年	66,942	1,201,011	82,836	273,799	6,322,758	291,818	174,347	-
3 年 1~3月	27,289	343,498	16,054	60,324	1,617,748	58,876	67,320	-
4~6	25,241	250,877	32	63,757	1,487,629	54,268	26,937	-
7~9	42,194	248,929	22,222	69,263	1,718,627	84,930	46,492	-
10~12	53,262	263,813	32,432	69,981	1,726,273	77,903	48,756	-
3 年 1月	8,175	123,905	11,004	23,136	598,596	26,043	14,892	-
2 年	10,591	104,562	4,719	17,843	495,306	28,638	24,440	-
3 年	8,523	115,031	330	19,345	523,846	4,195	27,988	-
4 年	8,141	106,874	32	23,618	516,943	5,118	797	-
5 年	9,139	78,269	-	22,466	506,342	17,906	-	-
6 年	7,961	65,734	-	17,673	464,344	31,243	26,140	-
7 年	9,093	89,334	492	20,646	537,116	18,165	22,007	-
8 年	15,746	80,657	10,907	25,387	627,475	34,692	15,792	-
9 年	17,354	78,938	10,822	23,230	554,036	32,073	8,693	-
10 年	19,006	90,854	11,348	17,325	536,033	15,837	16,671	-
11 年	21,310	84,045	10,617	21,595	552,048	26,344	5,611	-
12 年	12,946	88,914	10,468	31,061	638,193	35,721	26,474	-

Ｂ・Ｃ重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	Year, Quarter &Month
1,227,522	49,157	354,766	8,136,609	204,156	638,529	-	443,622	C.Y. 2017
1,257,038	97,135	376,626	7,812,809	303,892	476,628	-	457,127	C.Y. 2018
1,232,049	112,102	363,991	7,580,630	334,990	547,076	-	313,191	C.Y. 2019
1,206,488	99,682	317,990	6,486,497	253,636	251,331	-	516,704	C.Y. 2020
1,128,412	70,739	269,647	6,589,182	287,531	213,136	-	501,681	C.Y. 2021
1,206,111	112,612	384,942	7,332,300	252,675	487,443	-	358,344	F.Y. 2019
1,223,728	82,836	278,257	6,351,941	303,456	199,132	-	524,460	F.Y. 2020
350,088	16,054	62,148	1,627,225	60,600	74,678	-	141,936	Q1 2021
255,461	32	65,199	1,496,103	57,437	30,980	-	121,135	Q2
254,250	22,222	71,294	1,730,271	88,060	52,453	-	130,103	Q3
268,613	32,432	71,006	1,735,583	81,433	55,025	-	108,506	Q4
126,111	11,004	23,720	601,799	27,206	16,412	-	47,696	Jan. 2021
106,754	4,719	18,309	497,918	29,100	26,752	-	39,707	Feb.
117,223	330	20,119	527,509	4,295	31,514	-	54,532	Mar.
108,509	32	23,763	518,480	6,365	797	-	37,336	Apr.
79,490	-	22,978	508,274	19,025	-	-	40,335	May
67,462	-	18,457	469,349	32,047	30,183	-	43,464	Jun.
91,305	492	21,449	541,733	18,868	25,230	-	52,449	Jul.
82,462	10,907	26,076	631,690	35,829	17,833	-	46,385	Aug.
80,483	10,822	23,770	556,848	33,363	9,391	-	31,270	Sep.
92,296	11,348	17,468	539,441	16,800	18,275	-	33,693	Oct.
85,335	10,617	21,595	553,669	27,651	5,956	-	31,118	Nov.
90,983	10,468	31,944	642,473	36,982	30,794	-	43,695	Dec.

蒸気 Steam t	石油製品 Petroleum products							Year, Quarter &Month
	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	ナフサ Naphtha kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	
3,956,738	13,132,795	12,170,459	251	187,098	28,785	2,896	1,234,807	C.Y. 2017
4,142,665	12,786,660	11,811,673	210	152,392	53,763	4,122	1,250,251	C.Y. 2018
4,212,988	12,401,399	11,574,265	200	145,351	35,607	1,354	1,233,169	C.Y. 2019
4,181,274	11,043,391	10,040,276	186	160,666	149,206	3,145	1,229,457	C.Y. 2020
4,252,122	12,051,302	11,052,137	138	175,861	78,565	2,597	1,255,102	C.Y. 2021
4,341,822	12,059,357	11,175,776	189	145,308	43,538	1,380	1,206,818	F.Y. 2019
4,110,730	11,113,565	10,112,827	173	154,944	166,061	3,112	1,267,953	F.Y. 2020
1,028,097	3,075,005	2,814,948	33	47,401	30,523	57	370,788	Q1 2021
1,053,480	2,686,808	2,441,729	38	19,192	9,626	2,250	276,118	Q2
1,095,706	3,123,779	2,866,120	34	42,359	20,878	47	291,123	Q3
1,074,839	3,165,709	2,929,340	33	66,909	17,538	243	317,074	Q4
367,791	1,131,571	1,043,586	7	21,581	15,875	17	132,080	Jan. 2021
325,833	951,888	875,233	13	13,704	9,780	13	115,154	Feb.
334,473	991,546	896,130	13	12,115	4,869	27	123,554	Mar.
346,380	924,930	846,481	13	5,000	1,548	10	115,015	Apr.
342,525	896,980	817,007	14	7,179	4,850	769	87,407	May
364,575	864,898	778,240	11	7,012	3,228	1,471	73,695	Jun.
374,181	991,378	894,604	13	8,140	9,021	12	98,427	Jul.
338,194	1,129,665	1,042,054	14	17,372	7,332	15	96,404	Aug.
383,331	1,002,737	929,462	7	16,848	4,525	20	96,292	Sep.
402,442	993,387	912,273	14	18,655	8,000	13	109,860	Oct.
327,139	999,262	927,114	6	19,971	2,977	16	105,355	Nov.
345,258	1,173,060	1,089,953	13	28,283	6,560	214	101,860	Dec.

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
437,866	226,458	71,662	143,515	3,827	4,190	-	-	C.Y. 2017
453,506	249,456	73,120	143,247	3,058	3,348	-	-	C.Y. 2018
306,985	68,531	61,518	133,798	3,059	3,349	-	-	C.Y. 2019
509,946	268,979	68,149	178,119	2,942	3,221	-	-	C.Y. 2020
498,474	274,277	61,897	171,389	2,816	3,083	-	-	C.Y. 2021
351,805	113,691	60,147	145,422	3,035	3,323	-	-	F.Y. 2019
518,335	262,719	71,475	184,286	2,893	3,167	-	-	F.Y. 2020
140,334	53,742	20,852	56,755	835	914	-	-	Q1 2021
120,513	66,773	7,084	47,373	638	699	-	-	Q2
129,501	81,218	17,717	38,606	604	661	-	-	Q3
108,125	72,543	16,244	28,656	739	809	-	-	Q4
47,470	21,786	7,387	17,207	296	324	-	-	Jan. 2021
38,994	10,940	5,472	17,907	255	279	-	-	Feb.
53,871	21,017	7,993	21,641	284	311	-	-	Mar.
37,118	16,501	4,448	14,742	230	252	-	-	Apr.
40,112	24,463	-	16,531	213	233	-	-	May
43,283	25,809	2,636	16,100	195	213	-	-	Jun.
52,217	31,640	5,967	17,054	190	208	-	-	Jul.
46,159	28,945	6,121	13,925	201	220	-	-	Aug.
31,125	20,633	5,629	7,627	213	233	-	-	Sep.
33,589	18,927	5,425	10,333	225	246	-	-	Oct.
31,022	19,719	5,292	8,222	249	273	-	-	Nov.
43,515	33,897	5,527	10,100	265	290	-	-	Dec.

年 月	石油製品(つづき)Petroleum products (continued)		Year, Quarter &Month
	電力	蒸気	
	Electricity 1000kWh	Steam t	
平成 29 年	2,782,346	3,843,190	C.Y. 2017
30 年	2,602,741	4,041,666	C.Y. 2018
令和 1 年	2,541,110	4,105,334	C.Y. 2019
2 年	2,264,034	4,087,894	C.Y. 2020
3 年	2,292,113	4,158,920	C.Y. 2021
令和 1 年度	2,567,779	4,237,649	F.Y. 2019
2 年度	2,200,285	4,017,939	F.Y. 2020
3 年 1~3月	540,781	1,004,289	Q1 2021
4~ 6	573,736	1,029,995	Q2
7~ 9	580,497	1,072,863	Q3
10~12	597,098	1,051,773	Q4
3 年 1月	168,399	359,519	Jan. 2021
2 月	168,940	317,499	Feb.
3 月	203,443	327,271	Mar.
4 月	192,060	339,468	Apr.
5 月	179,890	334,580	May
6 月	201,787	355,947	Jun.
7 月	207,269	365,668	Jul.
8 月	199,134	331,708	Aug.
9 月	174,094	375,487	Sep.
10 月	217,449	394,916	Oct.
11 月	204,708	319,498	Nov.
12 月	174,941	337,359	Dec.

⑤ 窯業・土石製品

Ceramics, clay and stone products

直接投入エネルギー表

Table of direct input energy

年 月	窯業・土石製品工業 Ceramics, clay and stone products industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	8,112,264	1,641,059	301	23,594	12,750	438,782	26,804	411,878
30	8,020,896	1,635,360	325	24,827	12,804	433,796	24,069	409,727
令和 1 年	7,814,811	1,639,430	347	25,013	13,380	435,449	21,669	413,780
2	7,459,542	1,558,223	306	21,427	13,368	392,693	19,987	372,706
3	7,488,086	1,557,447	348	15,061	12,969	387,185	23,403	363,782
令和 1 年度	7,779,463	1,651,393	358	24,542	13,567	431,708	20,833	410,875
2	7,341,385	1,508,599	333	19,594	13,154	386,611	20,986	365,625
3 年 1~3月	1,852,347	369,402	108	3,857	3,071	99,171	6,288	92,883
4~6	1,790,794	383,485	82	3,574	3,391	94,700	5,423	89,277
7~9	1,877,849	385,569	74	3,409	3,243	98,023	5,898	92,125
10~12	1,967,097	418,991	84	4,221	3,264	95,291	5,794	89,497
3 年 1月	616,077	110,958	36	1,660	982	34,049	2,652	31,397
2	590,961	118,056	34	1,085	989	30,384	1,563	28,821
3	645,308	140,388	38	1,112	1,100	34,738	2,073	32,665
4	607,185	142,152	24	1,427	1,124	31,728	2,051	29,677
5	621,807	123,954	36	1,123	1,103	31,978	1,746	30,232
6	561,802	117,379	22	1,024	1,164	30,994	1,626	29,368
7	618,618	131,042	27	1,389	1,112	31,689	1,609	30,080
8	637,467	126,713	23	1,026	1,029	34,236	2,435	31,801
9	621,763	127,815	24	994	1,102	32,098	1,854	30,244
10	652,772	144,543	25	1,483	1,101	32,584	1,951	30,633
11	623,284	131,422	25	1,227	1,045	30,440	1,867	28,573
12	691,041	143,026	34	1,511	1,118	32,267	1,976	30,291

窯業・土石製品工業(つづき) Ceramics, clay and stone products industry (continued)

年 月	転炉ガス	電気炉ガス	天然ガス	液化天然ガス	都市ガス(A)	都市ガス(B)	廃材	廃タイヤ
	Converter furnace gas	Electric furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Waste material	Used tires
	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	絶乾(Dry)t	t
平成 29 年	232,368	13,794	41,271	5,987	85,378	93,364	2,738	66,198
30	236,600	14,555	45,065	922	89,795	97,968	2,648	63,357
令和 1 年	251,411	12,085	20,541	1,065	91,460	99,585	2,358	65,149
2	197,892	8,094	16,663	1,258	76,487	82,803	1,886	66,072
3	211,288	5,835	17,430	864	82,472	89,728	1,871	66,565
令和 1 年度	254,909	10,508	18,227	1,067	95,164	103,425	2,181	65,493
2	190,009	8,875	16,028	1,080	71,240	77,229	1,900	65,865
3 年 1~3月	56,092	2,092	4,182	167	21,285	23,180	453	16,316
4~6	48,087	836	4,537	173	22,163	24,090	540	13,563
7~9	51,172	480	4,129	267	20,731	22,552	417	16,962
10~12	55,937	2,427	4,582	257	18,293	19,906	461	19,724
3 年 1月	19,636	824	1,374	56	7,742	8,413	51	5,568
2	18,407	436	1,378	63	6,589	7,160	194	5,807
3	18,049	832	1,430	48	6,954	7,607	208	4,941
4	16,987	734	1,465	43	7,040	7,644	162	4,887
5	15,839	102	1,508	53	7,563	8,222	185	4,312
6	15,261	-	1,564	77	7,560	8,224	193	4,364
7	17,812	-	1,260	43	7,287	7,928	184	5,397
8	15,537	146	1,548	92	7,124	7,756	44	6,060
9	17,823	334	1,321	132	6,320	6,868	189	5,505
10	19,673	872	1,603	39	5,858	6,371	140	6,409
11	18,358	998	1,443	116	6,749	7,346	125	5,875
12	17,906	557	1,536	102	5,686	6,189	196	7,440

窯業・土石製品小計(1~5)(つづき) Ceramics, clay and stone products total (continued)

年 月	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	オイルコークス	再生油 (石油由来)	非石油系燃料 (原油換算)
	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)
	kl	kl	kl	kl	t	t	kl	kl
平成 29 年	415,837	21,994	393,843	245,104	3,498	700,724	225,928	4,144,193
30	409,857	19,731	390,126	261,863	3,481	646,074	236,520	4,095,639
令和 1 年	415,361	17,097	398,264	261,195	4,787	636,243	249,002	3,895,481
2	371,201	15,329	355,872	240,827	4,636	641,844	246,445	3,743,884
3	363,954	18,273	345,681	219,965	3,947	575,075	277,256	3,749,810
令和 1 年度	410,047	16,125	393,922	261,260	5,007	653,895	253,476	3,868,643
2	365,366	16,243	349,123	228,372	4,760	587,293	252,162	3,700,634
3 年 1~3月	94,055	5,088	88,967	52,902	1,240	123,890	68,353	928,010
4~6	88,900	4,128	84,772	54,820	747	144,617	63,206	902,799
7~9	91,997	4,584	87,413	55,482	968	137,558	68,049	941,124
10~12	89,002	4,473	84,529	56,761	992	169,010	77,648	977,877
3 年 1月	32,251	2,160	30,091	17,574	442	28,912	20,877	313,396
2	28,875	1,311	27,564	16,714	446	39,420	23,349	302,156
3	32,929	1,617	31,312	18,614	352	55,558	24,127	312,459
4	29,799	1,426	28,373	20,053	226	59,048	23,804	277,035
5	30,066	1,306	28,760	15,376	216	50,808	17,946	333,709
6	29,035	1,396	27,639	19,391	305	34,761	21,456	292,055
7	29,746	1,224	28,522	18,290	368	47,631	24,451	309,058
8	32,225	1,993	30,232	17,620	353	45,133	20,939	319,397
9	30,026	1,367	28,659	19,572	247	44,794	22,659	312,669
10	30,600	1,586	29,014	21,044	338	57,379	26,338	325,729
11	28,194	1,294	26,900	16,164	338	52,465	25,738	305,509
12	30,208	1,593	28,615	19,553	316	59,166	25,572	346,639

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
245,104	17,702	782,351	245,746	4,241,478	5,142,770	206,662	244,459	53,690	C.Y. 2017
261,863	18,783	722,642	254,763	4,195,480	4,976,686	209,246	286,461	66,125	C.Y. 2018
261,195	20,648	701,892	269,835	3,999,886	4,665,697	242,562	295,296	62,751	C.Y. 2019
240,827	20,012	691,134	269,460	3,832,426	4,557,278	223,173	231,081	37,256	C.Y. 2020
219,965	20,576	634,515	302,057	3,841,055	4,456,039	203,782	282,586	22,282	C.Y. 2021
261,260	20,288	717,065	274,540	3,966,384	4,613,966	240,296	289,232	65,924	F.Y. 2019
228,372	20,410	634,807	275,635	3,785,757	4,510,200	215,425	227,359	24,868	F.Y. 2020
52,902	5,208	136,349	74,377	948,903	1,104,352	53,136	66,160	5,982	Q1 2021
54,820	4,681	162,916	69,239	927,592	1,071,944	56,232	69,169	5,074	Q2
55,482	5,475	153,412	74,345	964,545	1,115,271	49,481	72,245	4,011	Q3
56,761	5,212	181,838	84,096	1,000,015	1,164,472	44,933	75,012	7,215	Q4
17,574	1,710	32,580	22,532	319,608	374,394	16,994	22,981	2,350	Jan. 2021
16,714	1,628	43,709	25,353	308,727	356,667	17,579	21,225	1,714	Feb.
18,614	1,870	60,060	26,492	320,568	373,291	18,563	21,954	1,918	Mar.
20,053	1,461	64,978	26,026	285,123	324,075	18,133	21,896	2,100	Apr.
15,376	1,635	56,891	19,646	341,945	402,259	18,267	24,142	1,425	May
19,391	1,585	41,047	23,567	300,525	345,610	19,832	23,131	1,549	Jun.
18,290	2,087	52,593	26,615	316,556	366,417	15,997	24,347	1,227	Jul.
17,620	1,856	50,725	22,772	327,514	378,352	17,119	24,054	1,341	Aug.
19,572	1,532	50,094	24,958	320,476	370,502	16,365	23,844	1,443	Sep.
21,044	1,797	61,692	28,717	333,122	388,309	14,936	24,895	3,120	Oct.
16,164	1,607	56,441	28,037	312,556	358,804	14,007	24,565	2,126	Nov.
19,553	1,808	63,705	27,342	354,336	417,359	15,990	25,552	1,969	Dec.

廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	窯業・土石製品小計(1~5) Ceramics, clay and stone products total					Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	
321,774	29,315	17,023,573	9,347,869	6,397,668	1,511,875	210	9,951	7,788	C.Y. 2017
366,349	34,559	16,692,464	9,219,549	6,317,178	1,491,520	237	8,894	7,822	C.Y. 2018
374,303	30,103	16,571,528	9,171,652	6,112,145	1,503,680	263	8,865	7,465	C.Y. 2019
374,458	17,248	15,746,851	8,739,257	5,905,322	1,434,315	228	7,681	7,519	C.Y. 2020
385,486	29,706	15,912,078	8,816,231	5,880,831	1,422,678	271	8,538	7,462	C.Y. 2021
380,922	28,083	16,496,893	9,072,309	6,104,171	1,515,977	276	8,088	7,528	F.Y. 2019
365,623	17,156	15,563,064	8,670,278	5,802,370	1,386,955	256	8,254	7,488	F.Y. 2020
90,486	6,269	4,025,531	2,308,607	1,444,284	339,280	91	2,384	1,883	Q1 2021
88,505	7,971	3,651,797	2,025,633	1,419,785	347,233	66	2,014	1,868	Q2
101,262	8,139	4,066,155	2,162,678	1,467,904	350,222	53	1,798	1,836	Q3
105,233	7,327	4,168,595	2,319,313	1,548,857	385,942	61	2,342	1,875	Q4
28,067	1,622	1,363,837	848,401	473,472	101,444	31	911	593	Jan. 2021
31,364	2,365	1,271,936	663,449	466,924	108,430	28	718	622	Feb.
31,055	2,282	1,389,758	796,757	503,888	129,406	32	755	668	Mar.
28,686	2,458	1,332,402	809,668	463,058	129,903	19	702	599	Apr.
32,265	2,973	1,197,402	644,123	504,776	112,191	31	683	620	May
27,554	2,540	1,121,993	571,842	451,951	105,138	16	629	649	Jun.
31,968	2,809	1,322,859	693,912	487,352	118,972	19	593	604	Jul.
34,737	2,612	1,401,159	765,328	493,598	115,106	17	618	605	Aug.
34,557	2,718	1,342,137	703,438	486,955	116,145	17	587	627	Sep.
34,772	2,604	1,360,762	702,017	519,629	133,101	17	671	610	Oct.
34,910	2,520	1,345,874	782,797	485,390	120,708	17	772	594	Nov.
35,551	2,203	1,461,959	834,499	543,838	132,133	27	899	671	Dec.

石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	Year, Quarter &Month
5,115,862	137,111	244,459	53,690	232,368	13,276	41,271	5,987	73,200	C.Y. 2017
4,950,152	136,200	286,461	66,125	236,600	13,972	45,065	922	77,047	C.Y. 2018
4,639,874	156,331	295,296	62,751	251,411	11,735	20,541	1,065	81,371	C.Y. 2019
4,534,885	156,890	231,081	37,256	197,692	7,669	16,663	1,258	65,380	C.Y. 2020
4,432,298	135,587	282,586	22,282	211,288	5,835	17,430	864	72,613	C.Y. 2021
4,588,130	162,498	289,232	65,924	254,909	10,223	18,227	1,067	85,504	F.Y. 2019
4,488,704	151,729	227,359	24,868	190,009	8,450	16,028	1,080	60,832	F.Y. 2020
1,098,330	38,490	66,160	5,982	56,092	2,092	4,182	167	18,772	Q1 2021
1,066,160	36,401	69,169	5,074	48,087	836	4,537	173	19,670	Q2
1,109,865	31,132	72,245	4,011	51,172	480	4,129	267	18,369	Q3
1,157,943	29,564	75,012	7,215	55,937	2,427	4,582	257	15,802	Q4
372,500	12,806	22,981	2,350	19,636	824	1,374	56	6,931	Jan. 2021
355,118	12,666	21,225	1,714	18,407	436	1,378	63	5,822	Feb.
370,712	13,018	21,954	1,918	18,049	832	1,430	48	6,019	Mar.
322,249	11,793	21,896	2,100	16,987	734	1,465	43	6,191	Apr.
400,177	11,891	24,142	1,425	15,839	102	1,508	53	6,731	May
343,734	12,717	23,131	1,549	15,261	-	1,564	77	6,748	Jun.
364,735	10,091	24,347	1,227	17,121	-	1,260	43	6,492	Jul.
376,764	10,425	24,054	1,341	15,537	146	1,548	92	6,326	Aug.
368,366	10,616	23,844	1,443	17,823	334	1,321	132	5,551	Sep.
386,079	9,967	24,895	3,120	19,673	872	1,603	39	5,054	Oct.
356,933	9,238	24,565	2,126	18,358	998	1,443	116	5,881	Nov.
414,931	10,359	25,552	1,969	17,906	557	1,536	102	4,867	Dec.

年 月	窯業・土石製品小計(1~5)(つづき)							Ceramics, clay and stone product total (continued)		セメント計(1~2)→
	都市ガス (B)	廃材	廃タイヤ	廃プラスチック	RPF	電力	蒸気	計 (原油換算)	Total (Crude petroleum equivalent)	
	Town gas(B)	Waste material	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	kl		
1000m ³	絶乾(Dry)t	t	t	t	t	1000kWh	t	kl		
平成 29 年	80,543	2,738	66,198	304,801	29,315	7,682,559	380,386	5,179,525		
30 年	84,508	2,648	63,357	350,095	34,559	7,572,770	369,989	5,055,368		
令和 1 年	89,111	2,358	65,149	360,371	30,103	7,383,310	378,536	4,872,051		
2 年	71,005	1,886	66,072	360,332	17,248	7,112,856	947,049	4,868,155		
3 年	79,096	1,871	66,565	368,526	29,706	7,008,393	815,956	4,782,449		
令和 1 年度	93,439	2,181	65,493	366,639	28,083	7,348,383	520,534	4,879,766		
2 年	66,070	1,900	65,865	351,616	17,156	6,993,719	928,839	4,787,348		
3 年 1~3月	20,480	453	16,316	86,538	6,269	1,732,192	229,450	1,164,541		
4~6	21,401	540	13,563	84,310	7,971	1,680,959	193,656	1,147,936		
7~9	19,994	417	16,962	96,892	8,139	1,752,205	196,193	1,195,914		
10~12	17,221	461	19,724	100,786	7,327	1,843,037	196,657	1,274,058		
3 年 1月	7,542	51	5,568	26,916	1,622	571,150	79,603	378,941		
2 年	6,338	194	5,807	30,080	2,365	551,664	72,632	377,460		
3 年	6,600	208	4,941	29,542	2,282	609,378	77,215	408,140		
4 年	6,729	162	4,887	27,189	2,458	549,916	71,829	372,214		
5 年	7,323	185	4,312	30,814	2,973	586,816	62,045	413,372		
6 年	7,349	193	4,364	26,307	2,540	544,227	59,782	362,350		
7 年	7,069	184	5,397	30,614	2,809	586,374	69,073	396,561		
8 年	6,888	44	6,060	33,274	2,612	585,713	66,701	401,514		
9 年	6,037	189	5,505	33,004	2,718	580,118	60,419	397,838		
10 年	5,505	140	6,409	33,127	2,604	614,455	52,658	427,739		
11 年	6,407	125	5,875	33,305	2,520	586,766	66,415	395,227		
12 年	5,309	196	7,440	34,354	2,203	641,816	77,584	451,092		

年 月	セメント計(1~2)(つづき)								Cement total (continued)
	オイルコークス	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	コークス炉 ガス	高炉ガス	転炉ガス	
	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas	Converter furnace gas	
t	kl	kl	t	t	1000m ³	1000m ³	1000m ³	1000m ³	
平成 29 年	594,384	177,894	3,594,893	4,939,893	1,971	1,880	731	37,903	
30 年	551,483	181,713	3,501,548	4,761,380	297	1,623	748	38,983	
令和 1 年	558,248	190,690	3,329,026	4,487,677	-	1,556	801	39,949	
2 年	567,094	198,842	3,308,894	4,447,429	4,200	1,605	879	31,821	
3 年	498,092	221,482	3,258,102	4,286,914	2,333	1,523	983	33,780	
令和 1 年度	578,573	195,084	3,312,602	4,454,295	292	1,551	790	41,232	
2 年	513,377	204,362	3,279,918	4,396,300	4,183	1,596	946	28,626	
3 年 1~3月	105,246	54,631	804,569	1,065,987	275	426	272	8,490	
4~6	126,352	50,013	779,880	1,033,497	350	381	252	7,210	
7~9	118,525	54,270	819,999	1,072,720	668	296	183	7,907	
10~12	147,969	62,568	853,655	1,114,710	1,040	420	276	10,173	
3 年 1月	22,826	16,681	271,732	361,711	50	134	95	2,167	
2 年	33,170	18,725	262,441	345,330	164	125	80	3,103	
3 年	49,250	19,225	270,396	358,946	61	167	97	3,220	
4 年	53,049	19,743	235,984	310,373	-	132	97	3,243	
5 年	44,777	13,506	292,508	389,527	100	112	67	2,362	
6 年	28,526	16,764	251,388	333,597	250	137	88	1,605	
7 年	41,276	19,456	268,756	352,410	300	83	55	3,027	
8 年	38,666	16,559	278,747	364,563	183	98	56	1,700	
9 年	38,583	18,255	272,496	355,747	185	115	72	3,180	
10 年	50,597	21,318	284,219	372,202	370	147	100	2,819	
11 年	45,512	20,490	264,756	342,810	150	140	98	3,697	
12 年	51,860	20,760	304,680	399,698	520	133	78	3,657	

年 月	セメント(焼成用)(1)(つづき)								for Sintering (continued)
	石油系燃料 (原油換算)	灯油	軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	
	Oil based fuels (Crude petroleum equivalent)	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	kl	t	
平成 29 年	918,831	2,276	2,085	21,309	5,058	16,251	229,748	-	
30 年	903,295	1,821	2,047	18,564	5,983	12,581	245,765	1	
令和 1 年	916,550	1,644	2,282	17,458	4,886	12,572	245,406	1	
2 年	910,780	1,552	2,377	16,218	4,257	11,961	227,029	1	
3 年	895,745	2,126	2,367	16,982	5,897	11,085	208,543	-	
令和 1 年度	935,636	1,589	2,353	16,455	4,721	11,734	245,216	1	
2 年	870,783	1,631	2,329	17,425	4,404	13,021	215,616	-	
3 年 1~3月	204,558	473	569	4,556	1,329	3,227	49,925	-	
4~6	218,716	419	583	3,380	1,286	2,094	51,931	-	
7~9	218,561	413	593	4,589	1,795	2,794	52,781	-	
10~12	253,910	821	622	4,457	1,487	2,970	53,906	-	
3 年 1月	56,019	163	185	1,594	661	933	16,519	-	
2 年	65,674	152	190	994	303	691	15,844	-	
3 年	82,865	158	194	1,968	365	1,603	17,562	-	
4 年	87,397	161	192	1,109	558	551	19,144	-	
5 年	68,703	122	196	995	326	669	14,361	-	
6 年	62,616	136	195	1,276	402	874	18,426	-	
7 年	75,273	134	195	1,317	360	957	17,309	-	
8 年	70,291	139	188	2,263	1,024	1,239	16,610	-	
9 年	72,998	140	210	1,009	411	598	18,862	-	
10 年	88,514	220	224	1,468	588	880	20,252	-	
11 年	77,997	274	195	1,445	377	1,068	15,124	-	
12 年	87,399	327	203	1,544	522	1,022	18,530	-	

Cement total									Year, Quarter &Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	kl	t	
952,551	132	2,617	6,413	45,180	7,059	38,121	232,086	5	C.Y. 2017
934,927	159	2,148	6,515	40,328	8,079	32,249	247,978	3	C.Y. 2018
940,264	187	2,073	6,166	32,883	7,092	25,791	247,196	8	C.Y. 2019
931,256	152	1,952	6,301	28,120	5,869	22,251	229,441	5	C.Y. 2020
916,817	197	2,563	6,211	29,922	8,160	21,762	210,680	7	C.Y. 2021
956,829	197	1,995	6,255	29,378	6,697	22,681	247,235	8	F.Y. 2019
891,244	182	2,079	6,292	29,301	5,972	23,329	217,983	6	F.Y. 2020
209,737	72	665	1,593	7,514	1,766	5,748	50,492	2	Q1 2021
223,173	49	509	1,554	5,874	1,824	4,050	52,478	2	Q2
223,889	34	459	1,530	8,047	2,438	5,609	53,264	2	Q3
260,018	42	930	1,534	8,487	2,132	6,355	54,446	1	Q4
57,683	24	236	503	2,568	801	1,767	16,703	-	Jan. 2021
67,322	23	217	532	1,875	449	1,426	16,051	1	Feb.
84,731	25	212	558	3,071	516	2,555	17,738	1	Mar.
88,427	12	200	490	1,544	650	894	19,322	1	Apr.
70,314	27	150	524	1,928	559	1,369	14,547	-	May
64,432	10	159	540	2,402	615	1,787	18,609	1	Jun.
76,854	12	152	500	2,277	472	1,805	17,472	-	Jul.
71,903	10	151	508	3,273	1,301	1,972	16,779	1	Aug.
75,132	12	156	522	2,497	665	1,832	19,013	1	Sep.
90,882	10	241	510	3,168	844	2,324	20,420	-	Oct.
79,313	10	308	479	2,163	472	1,691	15,284	-	Nov.
89,822	22	381	545	3,156	816	2,340	18,742	1	Dec.

都市ガス (A)	都市ガス (B)	廃材	廃タイヤ	廃プラスチック	RPF	電力	蒸気	セメント(焼成用)(1) 計 (原油換算) Total (Crude petroleum equivalent)	Year, Quarter &Month
Town gas(A)	Town gas(B)	Waste material	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	kl	
1000m ³	1000m ³	絶対(Dry)t	t	t	t	1000kWh	t	kl	
17,482	19,031	2,738	66,198	296,211	1,539	6,741,882	71,319	4,477,574	C.Y. 2017
14,558	15,535	2,648	63,357	339,885	864	6,603,843	66,282	4,374,927	C.Y. 2018
14,109	15,050	2,358	65,149	350,767	1,060	6,432,643	63,302	4,217,685	C.Y. 2019
18,237	19,412	1,886	66,072	351,247	464	6,266,663	651,893	4,193,671	C.Y. 2020
21,905	23,252	1,871	66,565	358,959	3,774	6,143,793	521,027	4,119,709	C.Y. 2021
14,155	15,096	2,181	65,493	357,355	1,047	6,403,405	212,232	4,221,165	F.Y. 2019
19,645	20,912	1,900	65,865	342,342	483	6,159,484	625,152	4,124,473	F.Y. 2020
4,724	5,039	453	16,316	84,168	133	1,511,681	139,080	1,002,533	Q1 2021
5,766	6,120	540	13,563	81,846	710	1,467,444	121,197	990,942	Q2
5,964	6,312	417	16,962	94,543	1,645	1,536,117	132,104	1,026,741	Q3
5,451	5,781	461	19,724	98,402	1,286	1,628,551	128,646	1,099,493	Q4
2,261	2,399	51	5,568	26,200	30	495,928	49,088	324,964	Jan. 2021
1,321	1,411	194	5,807	29,159	55	480,833	42,928	326,142	Feb.
1,142	1,229	208	4,941	28,809	48	534,920	47,064	351,428	Mar.
1,392	1,487	162	4,887	26,378	104	479,701	46,002	321,298	Apr.
2,030	2,145	185	4,312	30,067	478	514,873	38,417	358,359	May
2,344	2,488	193	4,364	25,401	128	472,870	36,778	311,285	Jun.
2,053	2,175	184	5,397	29,894	726	513,294	46,342	341,226	Jul.
1,988	2,098	44	6,060	32,466	421	513,514	44,783	342,832	Aug.
1,923	2,039	189	5,505	32,183	498	509,309	40,979	342,684	Sep.
1,637	1,740	140	6,409	32,383	437	542,514	31,403	370,405	Oct.
2,191	2,319	125	5,875	32,551	525	516,958	44,398	339,539	Nov.
1,623	1,722	196	7,440	33,468	324	569,079	52,845	389,548	Dec.

オイルコークス	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels equivalent)	石炭	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	都市ガス (A)	都市ガス (B)	廃材	廃タイヤ	Year, Quarter &Month
Petroleum coke			Coal	Coal coke	Town gas(A)	Town gas(B)	Waste material	Used tires	
t	kl	kl	t	t	1000m ³	1000m ³	絶対(Dry)t	t	
594,384	177,100	3,558,743	4,930,946	1,971	5,302	5,806	2,738	65,953	C.Y. 2017
551,483	180,734	3,471,632	4,753,754	297	5,927	6,492	2,648	62,893	C.Y. 2018
558,248	189,854	3,301,135	4,479,799	-	5,633	6,168	2,358	64,800	C.Y. 2019
567,094	198,119	3,282,891	4,439,868	4,200	6,453	7,064	1,886	66,072	C.Y. 2020
498,092	220,817	3,223,965	4,279,283	2,333	6,382	6,987	1,871	66,565	C.Y. 2021
578,573	194,326	3,285,530	4,446,557	292	5,586	6,116	2,181	65,178	F.Y. 2019
513,377	203,660	3,253,690	4,388,814	4,183	6,986	7,648	1,900	65,865	F.Y. 2020
105,246	54,458	797,976	1,063,952	275	1,898	2,078	453	16,316	Q1 2021
126,352	49,864	772,226	1,031,561	350	1,657	1,814	540	13,563	Q2
118,525	54,129	808,180	1,070,857	668	1,352	1,480	417	16,962	Q3
147,969	62,366	845,583	1,112,913	1,040	1,475	1,615	461	19,724	Q4
22,826	16,651	268,945	361,076	50	632	692	51	5,568	Jan. 2021
33,170	18,652	260,468	344,744	164	569	623	194	5,807	Feb.
49,250	19,155	268,562	358,132	61	697	763	208	4,941	Mar.
53,049	19,703	233,901	309,763	-	588	644	162	4,887	Apr.
44,777	13,451	289,656	388,848	100	394	431	185	4,312	May
28,526	16,710	248,669	332,950	250	675	739	193	4,364	Jun.
41,276	19,401	265,952	351,844	300	506	554	184	5,397	Jul.
38,666	16,528	272,541	363,999	183	329	360	44	6,060	Aug.
38,583	18,200	269,686	355,014	185	517	566	189	5,505	Sep.
50,597	21,252	281,891	371,606	370	529	579	140	6,409	Oct.
45,512	20,429	261,543	342,143	150	497	544	125	5,875	Nov.
51,860	20,685	302,149	399,164	520	449	492	196	7,440	Dec.

年 月	セメント(焼成用)(1)(つづき)		セメント(その他用)(2) for Others					
	廃プラスチック	RPF	計 (原油換算) Total equivalent)	石油系燃料 (原油換算) Oil based fuels equivalent)	ガソリン	灯油	軽油	重油計
	Waste plastic	Refuse Paper & Plastic Fuel			Gasoline	Kerosene	Gas oil	Heavy fuel oil total
	t	t	kl	kl	kl	kl	kl	kl
平成 29 年	287,444	1,539	701,951	33,720	132	341	4,328	23,871
30 年	332,716	864	680,441	31,632	159	327	4,468	21,764
令和 1 年	346,373	1,060	654,366	23,714	187	429	3,884	15,425
2 年	351,247	464	674,484	20,476	152	400	3,924	11,902
3 年	354,261	3,774	662,740	21,072	197	437	3,844	12,940
令和 1 年度	354,382	1,047	658,601	21,193	197	406	3,902	12,923
2 年	342,342	483	662,875	20,460	182	448	3,963	11,876
3 年 1~3月	84,168	133	162,007	5,179	72	192	1,024	2,958
4~6	81,846	710	156,994	4,457	49	90	971	2,494
7~9	89,845	1,645	169,173	5,328	34	46	937	3,458
10~12	98,402	1,286	174,565	6,108	42	109	912	4,030
3 年 1月	26,200	30	53,977	1,665	24	73	318	974
2 月	29,159	55	51,317	1,649	23	65	342	881
3 月	28,809	48	56,712	1,866	25	54	364	1,103
4 月	26,378	104	50,916	1,030	12	39	298	435
5 月	30,067	478	55,014	1,611	27	28	328	933
6 月	25,401	128	51,065	1,816	10	23	345	1,126
7 月	29,894	726	55,336	1,581	12	18	305	960
8 月	27,768	421	58,682	1,612	10	12	320	1,010
9 月	32,183	498	55,155	2,134	12	16	312	1,488
10 月	32,383	437	57,334	2,368	10	21	286	1,700
11 月	32,551	525	55,688	1,317	10	34	284	718
12 月	33,468	324	61,544	2,423	22	54	342	1,612

年 月	セメント(その他用)(2)(つづき) for Others (continued)							
	高炉ガス	転炉ガス	都市ガス (A)	都市ガス (B)	廃タイヤ	廃プラスチック	電力	蒸気
	Blast furnace gas	Converter furnace gas	Town gas(A)	Town gas(B)	Used tires	Waste plastic	Electricity	Steam
	1000m ³	1000m ³	1000m ³	1000m ³	t	t	1000kWh	t
平成 29 年	731	37,903	12,180	13,225	245	8,767	6,741,882	71,319
30 年	748	38,983	8,631	9,043	464	7,169	6,603,843	66,282
令和 1 年	801	39,949	8,476	8,882	349	4,394	6,432,643	63,302
2 年	879	31,821	11,784	12,348	-	-	6,266,663	651,893
3 年	983	33,780	15,523	16,265	-	4,698	6,143,793	521,027
令和 1 年度	790	41,232	8,569	8,980	315	2,973	6,403,405	212,232
2 年	946	28,626	12,659	13,264	-	-	6,159,484	625,152
3 年 1~3月	272	8,490	2,826	2,961	-	-	1,511,681	139,080
4~6	252	7,210	4,109	4,306	-	-	1,467,444	121,197
7~9	183	7,907	4,612	4,832	-	4,698	1,536,117	132,104
10~12	276	10,173	3,976	4,166	-	-	1,628,551	128,646
3 年 1月	95	2,167	1,629	1,707	-	-	495,928	49,088
2 月	80	3,103	752	788	-	-	480,833	42,928
3 月	97	3,220	445	466	-	-	534,920	47,064
4 月	97	3,243	804	843	-	-	479,701	46,002
5 月	67	2,362	1,636	1,714	-	-	514,873	38,417
6 月	88	1,605	1,669	1,749	-	-	472,870	36,778
7 月	55	3,027	1,547	1,621	-	-	513,294	46,342
8 月	56	1,700	1,659	1,738	-	4,698	513,514	44,783
9 月	72	3,180	1,406	1,473	-	-	509,309	40,979
10 月	100	2,819	1,108	1,161	-	-	542,514	31,403
11 月	98	3,697	1,694	1,775	-	-	516,958	44,398
12 月	78	3,657	1,174	1,230	-	-	569,079	52,845

年 月	板ガラス計(3~4)(つづき) Sheet glass total (continued)							
	液化石油ガス	非石油系燃料 (原油換算)	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	電力	蒸気
	Liquefied petroleum gas	Non-oil based fuels (Crude petroleum equivalent)	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Electricity	Steam
	t	kl	1000m ³	t	1000m ³	1000m ³	t	1000kWh
平成 29 年	3,486	95,423	33,879	427	47,967	53,426	400,588	126,891
30 年	3,472	103,821	34,291	451	54,734	60,866	420,831	119,023
令和 1 年	4,774	84,352	13,733	445	57,870	64,300	415,525	128,014
2 年	4,626	53,924	9,477	468	36,072	40,123	374,496	130,589
3 年	3,932	62,246	9,520	537	43,202	48,052	359,246	125,085
令和 1 年度	4,995	81,728	10,764	432	58,426	64,989	416,912	124,447
2 年	4,747	49,555	9,276	487	32,631	36,254	364,142	139,891
3 年 1~3月	1,236	16,367	2,373	144	11,466	12,766	91,783	43,755
4~6	744	16,235	2,374	121	11,380	12,671	90,751	31,145
7~9	964	16,022	2,373	125	11,242	12,466	92,042	24,667
10~12	988	13,622	2,400	147	9,114	10,149	84,670	25,518
3 年 1月	441	5,517	782	43	3,885	4,329	31,510	15,026
2 月	445	5,011	756	53	3,473	3,866	29,200	14,576
3 月	350	5,839	835	48	4,108	4,571	31,073	14,153
4 月	225	5,159	791	40	3,581	3,987	28,927	11,828
5 月	215	5,673	813	49	3,985	4,436	31,485	9,884
6 月	304	5,402	770	32	3,814	4,248	30,339	9,433
7 月	367	5,384	665	35	3,903	4,335	31,542	8,981
8 月	351	5,782	881	39	4,042	4,481	31,367	8,621
9 月	246	4,857	827	51	3,297	3,650	29,133	7,065
10 月	337	4,338	794	32	2,894	3,221	28,583	8,363
11 月	337	4,889	771	51	3,357	3,738	27,768	8,039
12 月	314	4,395	835	64	2,863	3,190	28,319	9,116

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	コークス炉 ガス Coke oven gas 1000m ³	Year, Quarter &Month
2,001	21,870	2,338	5	794	36,150	8,947	1,860	C.Y. 2017
2,096	19,668	2,213	2	979	29,916	7,626	1,623	C.Y. 2018
2,206	13,219	1,790	7	836	27,891	7,878	1,558	C.Y. 2019
1,612	10,290	2,412	5	723	26,003	7,561	1,605	C.Y. 2020
2,263	10,677	2,137	7	665	34,138	7,631	1,523	C.Y. 2021
1,976	10,947	2,019	7	758	27,072	7,738	1,551	F.Y. 2019
1,568	10,308	2,367	6	702	26,228	7,486	1,596	F.Y. 2020
437	2,521	567	2	173	6,593	2,035	426	Q1 2021
538	1,956	547	2	149	7,654	1,936	381	Q2
643	2,815	483	2	141	11,819	1,863	296	Q3
645	3,385	540	1	202	8,072	1,797	420	Q4
140	834	184	-	30	2,787	635	134	Jan. 2021
146	735	207	1	73	1,973	586	125	Feb.
151	952	176	1	70	1,834	814	167	Mar.
92	343	178	1	40	2,083	610	132	Apr.
233	700	186	-	55	2,852	679	112	May
213	913	183	1	54	2,719	647	137	Jun.
112	848	163	-	55	2,803	566	83	Jul.
277	733	169	1	31	6,206	564	98	Aug.
254	1,234	151	1	55	2,810	733	115	Sep.
256	1,444	168	-	66	2,328	596	147	Oct.
95	623	160	-	61	3,213	667	140	Nov.
294	1,318	212	1	75	2,531	534	133	Dec.

板ガラス計(3~4) Sheet glass total								Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	
384,099	242,642	22	211	29	219,725	1,048	218,677		C.Y. 2017
396,389	245,194	22	30	33	222,267	1,233	221,034	C.Y. 2018
399,271	267,418	20	25	34	241,213	1,132	240,081	C.Y. 2019
347,289	249,501	20	35	30	224,870	1,592	223,278	C.Y. 2020
333,967	229,657	16	185	30	207,814	1,494	206,320	C.Y. 2021
400,726	271,613	22	24	34	244,827	1,244	243,583	F.Y. 2019
334,120	241,022	18	53	32	217,055	2,019	215,036	F.Y. 2020
87,555	59,626	4	29	10	53,742	825	52,917	Q1 2021
84,428	57,598	4	87	8	52,364	229	52,135	Q2
84,416	58,127	4	4	6	52,670	309	52,361	Q3
77,568	54,306	4	65	6	49,038	131	48,907	Q4
30,400	20,913	2	5	4	18,869	652	18,217	Jan. 2021
27,126	18,391	-	12	2	16,488	93	16,395	Feb.
30,030	20,322	2	12	4	18,385	80	18,305	Mar.
27,796	19,128	2	26	3	17,419	95	17,324	Apr.
28,775	19,490	-	17	2	17,774	59	17,715	May
27,857	18,981	2	44	3	17,171	75	17,096	Jun.
28,266	19,327	2	2	3	17,457	133	17,324	Jul.
29,289	19,994	2	1	2	18,096	148	17,948	Aug.
26,861	18,806	-	1	1	17,117	28	17,089	Sep.
26,412	18,837	2	2	2	17,033	32	17,001	Oct.
25,447	17,419	2	21	2	15,705	46	15,659	Nov.
25,710	18,050	-	42	2	16,300	53	16,247	Dec.

板ガラス(熔解兼用)(3) for Dissolving furnaces								Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) t	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	重油計 Heavy fuel oil Total kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	天然ガス Natural gas 1000m ³	
328,007	237,298	-	218,576	218,576	494	90,709	33,879		C.Y. 2017
337,838	240,027	-	221,034	221,034	546	97,811	34,291	C.Y. 2018
340,058	262,374	-	240,081	240,081	1,860	77,884	13,733	C.Y. 2019
293,598	244,528	-	223,278	223,278	2,124	49,070	9,477	C.Y. 2020
283,294	226,144	-	206,320	206,320	2,547	57,149	9,520	C.Y. 2021
342,092	266,527	-	243,583	243,583	2,135	75,565	10,764	F.Y. 2019
280,359	235,869	-	215,036	215,036	2,439	44,490	9,276	F.Y. 2020
73,128	58,046	-	52,917	52,917	688	15,082	2,373	Q1 2021
71,935	56,883	-	52,135	52,135	442	15,052	2,374	Q2
72,056	57,436	-	52,361	52,361	680	14,621	2,373	Q3
66,174	53,779	-	48,907	48,907	737	12,396	2,400	Q4
25,122	20,024	-	18,217	18,217	269	5,097	782	Jan. 2021
22,580	17,997	-	16,395	16,395	223	4,583	756	Feb.
25,426	20,025	-	18,305	18,305	196	5,401	835	Mar.
23,654	18,875	-	17,324	17,324	126	4,779	791	Apr.
24,553	19,300	-	17,715	17,715	128	5,253	813	May
23,728	18,709	-	17,096	17,096	188	5,019	770	Jun.
24,020	19,081	-	17,324	17,324	285	4,939	665	Jul.
24,958	19,659	-	17,948	17,948	211	5,299	881	Aug.
23,078	18,696	-	17,089	17,089	184	4,382	827	Sep.
22,636	18,699	-	17,001	17,001	260	3,937	794	Oct.
21,744	17,249	-	15,659	15,659	259	4,496	771	Nov.
21,794	17,831	-	16,247	16,247	218	3,963	835	Dec.

年 月	板ガラス(熔解窯用)(3)(つづき)		板ガラス(その他用)(4) for Others					
	都市ガス(A)	都市ガス(B)	計(原油換算)	石油系燃料(原油換算)	ガソリン	灯油	軽油	重油計
	Town gas(A)	Town gas(B)	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil	Heavy fuel oil total
	1000m ³	1000m ³	kl	kl	kl	kl	kl	kl
平成 29 年	44,233	49,555	56,092	5,344	22	211	29	1,149
30 年	49,811	55,806	58,551	5,167	22	30	33	1,233
令和 1 年	52,316	58,613	59,213	5,044	20	25	34	1,132
2 年	32,308	36,174	53,691	4,973	20	35	30	1,592
3 年	39,345	43,968	50,673	3,513	16	185	30	1,494
令和 1 年度	53,340	59,760	58,634	5,087	22	24	34	1,244
2 年	28,711	32,132	53,761	5,153	18	53	32	2,019
3 年 1~3月	10,496	11,747	14,427	1,579	4	29	10	825
4~6	10,474	11,718	12,492	715	4	87	8	229
7~9	10,164	11,313	12,360	691	4	4	6	309
10~12	8,211	9,190	11,394	527	4	65	6	131
3 年 1月	3,566	3,991	5,278	888	2	5	4	652
2 年	3,158	3,534	4,545	394	-	12	2	93
3 年	3,772	4,222	4,604	297	2	12	4	80
4 年	3,290	3,682	4,142	253	2	26	3	95
5 年	3,671	4,106	4,222	190	-	17	2	59
6 年	3,513	3,930	4,129	272	2	44	3	75
7 年	3,556	3,963	4,246	246	2	2	3	133
8 年	3,666	4,079	4,330	335	2	1	2	148
9 年	2,942	3,271	3,783	110	-	1	1	28
10 年	2,579	2,886	3,775	137	2	2	2	32
11 年	3,070	3,436	3,702	171	2	21	2	46
12 年	2,562	2,868	3,916	219	-	42	2	53

年 月	板ガラス(その他用)(4)(つづき)		石灰(5) Lime					
	電力	蒸気	計(原油換算)	石油系燃料(原油換算)	ガソリン	灯油	軽油	重油計
	Electricity	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil	Heavy fuel oil total
	1000kWh	t	kl	kl	kl	kl	kl	kl
平成 29 年	400,588	126,891	834,043	316,882	56	7,123	1,346	150,932
30 年	420,831	119,023	865,421	311,399	56	6,716	1,274	147,262
令和 1 年	415,525	128,014	840,823	295,998	56	6,767	1,265	141,265
2 年	374,496	130,599	689,877	253,558	56	5,694	1,188	118,211
3 年	359,246	125,085	764,416	276,204	58	5,790	1,221	126,218
令和 1 年度	416,912	124,447	823,679	287,535	57	6,069	1,239	135,842
2 年	364,142	139,891	680,901	254,689	56	6,122	1,164	119,010
3 年 1~3月	91,783	43,755	192,188	69,918	15	1,690	280	32,799
4~6	90,751	31,145	187,421	66,461	13	1,418	306	30,662
7~9	92,042	24,667	187,575	68,207	15	1,335	300	31,280
10~12	84,670	25,518	197,231	71,618	15	1,347	335	31,477
3 年 1月	31,510	15,026	64,131	22,847	5	670	86	10,814
2 年	29,200	14,576	62,339	22,717	5	489	88	10,512
3 年	31,073	14,153	65,718	24,354	5	531	106	11,473
4 年	28,927	11,828	63,049	22,348	5	476	106	10,836
5 年	31,485	9,884	62,629	22,387	4	516	94	10,364
6 年	30,339	9,433	61,743	21,726	4	426	106	9,462
7 年	31,542	8,981	62,525	22,791	5	439	101	10,012
8 年	31,367	8,621	62,795	23,209	5	466	95	10,856
9 年	29,133	7,065	62,255	22,207	5	430	104	10,412
10 年	28,583	8,363	65,478	23,382	5	428	98	10,399
11 年	27,768	8,039	64,717	23,975	5	443	113	10,326
12 年	28,319	9,116	67,036	24,261	5	476	124	10,752

年 月	石灰(5)(つづき) Lime (continued)							
	コークス炉ガス	高炉ガス	転炉ガス	電気炉ガス	天然ガス	液化天然ガス	都市ガス(A)	都市ガス(B)
	Coke oven gas	Blast furnace gas	Converter furnace gas	Electric furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)
	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³
平成 29 年	242,599	52,959	194,465	13,276	7,392	5,560	7,751	8,086
30 年	284,838	65,377	197,617	13,972	10,774	471	7,755	8,107
令和 1 年	293,740	61,950	211,462	11,735	6,808	620	9,392	9,761
2 年	229,476	36,377	165,871	7,669	7,186	790	11,071	11,470
3 年	281,063	21,299	177,508	5,835	7,910	327	7,506	7,792
令和 1 年度	287,681	65,134	213,677	10,223	7,463	635	12,923	13,354
2 年	225,763	23,922	161,383	8,450	6,752	593	8,556	8,904
3 年 1~3月	65,734	5,710	47,602	2,092	1,809	23	2,582	2,675
4~6	68,788	4,822	40,877	836	2,163	52	2,524	2,610
7~9	71,949	3,828	43,265	480	1,756	142	1,163	1,216
10~12	74,592	6,939	45,764	2,427	2,182	110	1,237	1,291
3 年 1月	22,847	2,255	17,469	824	592	13	785	814
2 年	21,100	1,634	15,304	436	622	10	1,028	1,061
3 年	21,787	1,821	14,829	832	595	-	769	800
4 年	21,764	2,003	13,744	734	674	3	1,218	1,255
5 年	24,030	1,358	13,477	102	695	4	716	742
6 年	22,994	1,461	13,656	-	794	45	590	613
7 年	24,264	1,172	14,785	-	595	8	536	559
8 年	23,956	1,285	13,837	146	667	53	296	309
9 年	23,729	1,371	14,643	334	494	81	331	348
10 年	24,748	3,020	16,854	872	809	7	523	544
11 年	24,425	2,028	14,661	998	672	65	333	350
12 年	25,419	1,891	14,249	557	701	38	381	397

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	Year, Quarter &Month
1,048	101	2,992	4,714	-	-	427	3,734	3,871	C.Y. 2017
1,233	-	2,926	6,010	-	-	451	4,923	5,060	C.Y. 2018
1,132	-	2,914	6,668	-	-	445	5,554	5,687	C.Y. 2019
1,592	-	2,502	4,854	-	-	468	3,764	3,949	C.Y. 2020
1,494	-	1,385	5,096	-	-	537	3,857	4,084	C.Y. 2021
1,244	-	2,860	6,163	-	-	432	5,086	5,229	F.Y. 2019
2,019	-	2,308	5,065	-	-	487	3,920	4,122	F.Y. 2020
825	-	548	1,286	-	-	144	970	1,019	Q1 2021
229	-	302	1,183	-	-	121	906	953	Q2
309	-	284	1,401	-	-	125	1,078	1,153	Q3
131	-	251	1,226	-	-	147	903	959	Q4
652	-	172	420	-	-	43	319	338	Jan. 2021
93	-	222	428	-	-	53	315	332	Feb.
80	-	154	438	-	-	48	336	349	Mar.
95	-	99	380	-	-	40	291	305	Apr.
59	-	87	420	-	-	49	314	330	May
75	-	116	383	-	-	32	301	318	Jun.
133	-	82	445	-	-	35	347	372	Jul.
148	-	140	482	-	-	39	376	402	Aug.
28	-	62	475	-	-	51	355	379	Sep.
32	-	77	401	-	-	32	315	335	Oct.
46	-	78	393	-	-	51	287	302	Nov.
53	-	96	432	-	-	64	301	322	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter &Month
13,887	137,045	13,018	7	106,340	48,034	453,877	175,969	135,140	C.Y. 2017
10,419	136,843	13,885	6	94,591	54,807	490,271	188,772	135,903	C.Y. 2018
8,873	132,392	13,999	5	77,995	58,312	482,103	152,197	156,331	C.Y. 2019
7,868	110,343	11,386	5	74,750	47,603	381,066	87,456	152,690	C.Y. 2020
8,619	117,599	9,285	8	76,983	55,774	429,462	145,384	133,254	C.Y. 2021
8,184	127,658	14,025	4	75,322	58,392	474,313	133,835	162,206	F.Y. 2019
8,252	110,758	10,389	7	73,916	47,800	371,161	92,404	147,546	F.Y. 2020
2,497	30,302	2,410	2	18,644	13,722	107,074	32,343	38,215	Q1 2021
2,075	28,587	2,342	1	18,265	13,193	106,684	32,663	36,051	Q2
1,837	29,443	2,218	2	19,033	13,779	105,104	37,145	30,464	Q3
2,210	29,267	2,315	3	21,041	15,080	110,600	43,233	28,524	Q4
707	10,107	871	1	6,086	4,196	36,147	10,789	12,756	Jan. 2021
769	9,743	663	-	6,250	4,624	34,704	9,788	12,502	Feb.
1,021	10,452	876	1	6,308	4,902	36,223	11,766	12,957	Mar.
681	10,155	731	-	5,999	4,061	35,892	11,876	11,793	Apr.
688	9,676	829	1	6,031	4,440	35,528	10,650	11,791	May
706	8,756	782	-	6,235	4,692	35,264	10,137	12,467	Jun.
619	9,393	818	1	6,355	4,995	34,919	12,325	9,791	Jul.
544	10,312	841	1	6,467	4,380	34,869	12,201	10,242	Aug.
674	9,738	559	-	6,211	4,404	35,316	12,619	10,431	Sep.
710	9,689	624	1	6,782	5,020	37,172	13,877	9,597	Oct.
776	9,550	880	1	6,953	5,248	35,864	14,123	9,088	Nov.
724	10,028	811	1	7,306	4,812	37,564	15,233	9,839	Dec.

廃材 Waste material 絶乾(Dry)t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
-	8,590	27,776	547,089	182,176	C.Y. 2017
-	10,210	33,695	548,096	184,684	C.Y. 2018
-	9,604	29,043	535,142	187,220	C.Y. 2019
-	9,085	16,784	471,697	164,557	C.Y. 2020
-	9,567	25,932	505,354	169,844	C.Y. 2021
-	9,284	27,036	528,066	183,855	F.Y. 2019
-	9,274	16,673	470,093	163,796	F.Y. 2020
-	2,370	6,136	128,728	46,615	Q1 2021
-	2,464	7,261	122,764	41,314	Q2
-	2,349	6,494	124,046	39,422	Q3
-	2,384	6,041	129,816	42,493	Q4
-	716	1,592	43,712	15,489	Jan. 2021
-	921	2,310	41,631	15,128	Feb.
-	733	2,234	43,385	15,998	Mar.
-	811	2,354	41,288	13,999	Apr.
-	747	2,495	40,458	13,744	May
-	906	2,412	41,018	13,571	Jun.
-	720	2,083	41,538	13,750	Jul.
-	808	2,191	40,832	13,297	Aug.
-	821	2,220	41,676	12,375	Sep.
-	744	2,167	43,358	12,892	Oct.
-	754	1,995	42,040	13,978	Nov.
-	886	1,879	44,418	15,623	Dec.

⑤ 窯業・土石製品 Ceramics, clay and stone products

一次投入燃料換算表 Conversion table for primary input fuel

年 月	窯業・土石製品工業 Ceramics, clay and stone products industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	9,599,592	1,836,731	301	25,932	12,750	457,432	36,142	421,291
30	9,546,315	1,812,466	325	27,311	12,804	452,253	32,835	419,418
令和 1 年	9,310,491	1,799,302	347	27,205	13,380	452,515	30,536	421,980
2	8,940,346	1,720,992	306	23,463	13,368	412,673	28,060	384,613
3	9,021,310	1,734,620	348	16,692	12,969	404,390	30,954	373,436
令和 1 年度	9,286,676	1,808,791	358	26,720	13,567	448,267	29,551	418,715
2	8,815,835	1,676,045	333	21,629	13,154	408,139	28,889	379,250
3 年 1~3月	2,241,313	412,282	108	4,453	3,071	104,409	8,289	96,120
4~6	2,132,179	421,458	82	4,007	3,391	99,121	7,429	91,692
7~9	2,297,265	434,184	74	3,636	3,243	102,272	7,698	94,574
10~12	2,350,554	466,696	84	4,596	3,264	98,588	7,538	91,050
3 年 1月	740,859	123,881	36	1,844	982	36,032	3,375	32,657
2	713,143	131,550	34	1,276	989	31,963	2,190	29,773
3	787,311	156,850	38	1,333	1,100	36,415	2,724	33,691
4	734,509	158,285	24	1,592	1,124	33,066	2,700	30,366
5	728,694	134,573	36	1,296	1,103	33,111	2,317	30,794
6	668,976	128,600	22	1,119	1,164	32,944	2,413	30,532
7	750,372	147,852	27	1,470	1,112	33,252	2,140	31,113
8	785,194	142,861	23	1,095	1,029	35,353	2,923	32,429
9	761,699	143,472	24	1,071	1,102	33,667	2,635	31,032
10	777,269	161,483	25	1,582	1,101	33,614	2,490	31,123
11	747,627	146,567	25	1,365	1,045	31,556	2,407	29,149
12	825,658	158,647	34	1,649	1,118	33,418	2,640	30,778

年 月	窯業・土石製品工業(つづき) Ceramics, clay and stone products industry (continued)							
	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃材 Waste material	廃タイヤ Used tires
	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	絶乾(Dry)t	t
平成 29 年	232,368	13,794	154,297	5,987	86,173	94,197	2,738	80,521
30	236,600	14,555	161,256	922	90,646	98,853	2,648	87,065
令和 1 年	251,411	12,085	135,417	1,065	92,325	100,480	2,358	85,964
2	197,692	8,094	117,428	1,258	77,798	84,111	1,886	86,906
3	211,288	5,835	113,768	864	86,503	93,662	1,871	77,577
令和 1 年度	254,909	10,508	130,750	1,067	96,000	104,287	2,181	86,205
2	190,009	8,875	113,400	1,080	73,607	79,556	1,900	85,593
3 年 1~3月	56,092	2,092	31,405	167	22,490	24,355	453	19,146
4~6	48,087	836	26,961	173	23,184	25,088	540	13,563
7~9	51,172	480	29,338	267	21,498	23,297	417	17,970
10~12	55,937	2,427	26,064	257	19,332	20,922	461	26,898
3 年 1月	19,636	824	10,857	56	8,145	8,807	51	7,585
2	18,407	436	9,913	63	7,013	7,573	194	6,620
3	18,049	832	10,635	48	7,332	7,975	208	4,941
4	16,987	734	10,095	43	7,410	8,003	162	4,887
5	15,839	102	8,867	53	7,956	8,608	185	4,312
6	15,261	-	7,999	77	7,818	8,477	193	4,364
7	17,812	-	10,412	43	7,523	8,157	184	5,397
8	15,537	146	10,459	92	7,378	8,004	44	6,060
9	17,823	334	8,467	132	6,597	7,136	189	6,513
10	19,673	872	5,416	39	6,153	6,659	140	8,503
11	18,358	998	9,207	116	7,108	7,698	125	8,463
12	17,906	557	11,441	102	6,071	6,565	196	9,932

年 月	窯業・土石製品小計(1~5)(つづき) Ceramics, clay and stone products total (continued)							
	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)
	kl	kl	kl	kl	t	t	kl	kl
平成 29 年	427,998	30,629	397,369	245,104	3,498	919,137	226,003	4,905,396
30	421,366	27,990	393,376	261,863	3,481	845,450	236,590	4,878,802
令和 1 年	426,617	25,533	401,084	261,195	4,787	816,189	249,069	4,669,553
2	383,567	22,888	360,679	240,827	4,636	821,505	246,613	4,565,446
3	375,137	25,150	349,987	219,965	3,947	756,952	277,312	4,548,900
令和 1 年度	421,110	24,432	396,678	261,260	5,007	831,291	253,601	4,658,202
2	378,211	23,633	354,578	228,372	4,760	766,088	252,289	4,510,353
3 年 1~3月	97,332	7,080	90,252	52,902	1,240	166,329	68,371	1,125,901
4~6	91,618	5,854	85,764	54,820	747	182,681	63,231	1,090,879
7~9	94,785	6,022	88,763	55,482	968	188,273	68,062	1,155,615
10~12	91,402	6,194	85,208	56,761	992	219,669	77,648	1,176,506
3 年 1月	33,475	2,876	30,599	17,574	442	41,164	20,881	374,966
2	29,923	1,938	27,985	16,714	446	52,871	23,355	365,179
3	33,934	2,266	31,668	18,614	352	72,293	24,135	385,756
4	30,723	2,050	28,674	20,053	226	75,895	23,804	333,137
5	30,832	1,834	28,998	15,376	216	61,557	17,971	399,993
6	30,062	1,970	28,092	19,391	305	45,229	21,456	357,749
7	30,689	1,735	28,954	18,290	368	65,049	24,451	379,112
8	33,026	2,472	30,555	17,620	353	62,335	20,939	391,429
9	31,070	1,815	29,255	19,572	247	60,889	22,672	385,074
10	31,331	2,115	29,215	21,044	338	75,579	26,338	387,667
11	28,966	1,823	27,143	16,164	338	68,428	25,738	368,823
12	31,106	2,255	28,850	19,553	316	75,661	25,572	420,017

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
245,104	17,702	987,371	245,821	7,283,767	9,504,957	206,662	244,459	53,690	C.Y. 2017
261,863	18,783	923,686	254,833	7,253,534	9,345,146	209,246	286,461	66,125	C.Y. 2018
261,195	20,648	882,951	269,902	7,043,983	9,017,596	242,562	295,296	62,751	C.Y. 2019
240,827	20,012	871,842	269,628	6,809,324	8,830,673	223,173	231,081	37,256	C.Y. 2020
219,965	20,576	817,625	302,113	6,849,637	8,737,139	203,782	282,586	22,282	C.Y. 2021
261,260	20,288	895,557	274,665	7,020,427	8,984,946	240,296	289,232	65,924	F.Y. 2019
228,372	20,410	814,603	275,762	6,734,612	8,731,149	215,425	227,359	24,868	F.Y. 2020
52,902	5,208	179,108	74,395	1,723,415	2,200,737	53,136	66,160	5,982	Q1 2021
54,820	4,681	201,167	69,264	1,597,192	2,026,138	56,232	69,169	5,074	Q2
55,482	5,475	204,469	74,358	1,755,802	2,245,009	49,481	72,245	4,011	Q3
56,761	5,212	232,881	84,096	1,773,228	2,265,255	44,933	75,012	7,215	Q4
17,574	1,710	44,967	22,536	581,940	744,226	16,994	22,981	2,350	Jan. 2021
16,714	1,628	57,249	25,359	547,149	693,793	17,579	21,225	1,714	Feb.
18,614	1,870	76,893	26,500	594,326	762,718	18,563	21,954	1,918	Mar.
20,053	1,461	81,922	26,026	539,915	686,675	18,133	21,896	2,100	Apr.
15,376	1,635	67,640	19,671	554,238	704,448	18,267	24,142	1,425	May
19,391	1,585	51,604	23,567	503,040	635,015	19,832	23,131	1,549	Jun.
18,290	2,087	70,124	26,615	565,918	720,898	15,997	24,347	1,227	Jul.
17,620	1,856	68,057	22,772	606,513	777,139	17,119	24,054	1,341	Aug.
19,572	1,532	66,288	24,971	583,370	746,972	16,365	23,844	1,443	Sep.
21,044	1,797	80,025	28,717	579,540	744,361	14,936	24,895	3,120	Oct.
16,164	1,607	72,537	28,037	565,512	717,387	14,007	24,565	2,126	Nov.
19,553	1,808	80,320	27,342	628,176	803,507	15,990	25,552	1,969	Dec.

廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	窯業・土石製品小計(1~5) Ceramics, clay and stone products total					Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	
321,774	36,210	5,080,802	93,467	6,924,111	1,695,460	210	12,289	7,788	C.Y. 2017
366,349	41,367	5,098,539	87,281	6,855,432	1,659,822	237	11,347	7,822	C.Y. 2018
374,303	38,219	4,950,982	96,201	6,638,160	1,656,432	263	11,057	7,465	C.Y. 2019
374,458	25,814	4,335,877	96,811	6,445,805	1,588,070	228	9,716	7,519	C.Y. 2020
385,486	32,448	4,630,920	90,689	6,438,001	1,592,336	271	10,169	7,462	C.Y. 2021
380,922	36,256	4,848,674	92,859	6,635,780	1,666,607	276	10,266	7,528	F.Y. 2019
365,623	25,686	4,279,647	102,300	6,342,060	1,544,239	256	10,288	7,488	F.Y. 2020
90,486	8,452	1,112,377	30,933	1,579,836	379,768	91	2,980	1,883	Q1 2021
88,505	8,530	1,203,914	22,221	1,548,347	383,225	66	2,447	1,868	Q2
101,262	8,139	1,138,483	19,872	1,622,871	396,993	53	2,025	1,836	Q3
105,233	7,327	1,176,146	17,663	1,686,947	432,350	61	2,717	1,875	Q4
28,067	2,123	368,881	10,453	514,021	113,432	31	1,095	593	Jan. 2021
31,364	3,154	362,962	9,822	510,624	121,276	28	909	622	Feb.
31,055	3,175	380,534	10,658	555,191	145,060	32	976	668	Mar.
28,686	3,017	384,351	8,043	502,784	145,506	19	867	599	Apr.
32,265	2,973	423,023	7,703	548,505	122,417	31	856	620	May
27,554	2,540	396,540	6,475	497,058	115,302	16	724	649	Jun.
31,968	2,809	388,384	6,841	538,066	135,016	19	674	604	Jul.
34,737	2,612	379,980	6,855	545,423	130,802	17	687	605	Aug.
34,557	2,718	370,119	6,176	539,381	131,175	17	664	627	Sep.
34,772	2,604	386,003	4,902	563,119	149,604	17	770	610	Oct.
34,910	2,520	377,660	6,039	529,252	135,368	17	910	594	Nov.
35,551	2,203	412,483	6,722	594,577	147,377	27	1,037	671	Dec.

石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	Year, Quarter &Month
6,240,116	137,111	244,459	53,690	232,368	13,276	47,719	5,987	73,995	C.Y. 2017
6,106,204	138,200	286,461	66,125	236,600	13,972	51,429	922	77,898	C.Y. 2018
5,781,041	156,331	295,296	62,751	251,411	11,735	26,894	1,065	82,236	C.Y. 2019
5,654,006	156,890	231,081	37,256	197,692	7,669	78,393	1,258	65,949	C.Y. 2020
5,516,546	135,587	282,586	22,282	211,288	5,835	75,352	864	73,982	C.Y. 2021
5,730,316	162,498	289,232	65,924	254,909	10,223	37,795	1,067	86,340	F.Y. 2019
5,584,687	151,729	227,359	24,868	190,009	8,450	78,862	1,080	61,638	F.Y. 2020
1,362,776	38,490	66,160	5,982	56,092	2,092	20,070	167	19,157	Q1 2021
1,321,135	36,401	69,169	5,074	48,087	836	18,472	173	20,078	Q2
1,403,745	31,132	72,245	4,011	51,172	480	18,654	267	18,597	Q3
1,428,890	29,564	75,012	7,215	55,937	2,427	18,156	257	16,150	Q4
453,502	12,806	22,981	2,350	19,636	824	7,143	56	7,062	Jan. 2021
439,473	12,666	21,225	1,714	18,407	436	6,277	63	5,964	Feb.
469,800	13,018	21,954	1,918	18,049	832	6,650	48	6,131	Mar.
396,585	11,793	21,896	2,100	16,987	734	6,421	43	6,323	Apr.
491,434	11,891	24,142	1,425	15,839	102	5,644	53	6,917	May
433,116	12,717	23,131	1,549	15,261	-	6,407	77	6,838	Jun.
460,061	10,091	24,347	1,227	17,121	-	6,436	43	6,569	Jul.
475,335	10,425	24,054	1,341	15,537	146	6,528	92	6,406	Aug.
468,350	10,616	23,844	1,443	17,823	334	5,690	132	5,622	Sep.
472,741	9,967	24,895	3,120	19,673	872	4,542	39	5,144	Oct.
442,528	9,238	24,565	2,126	18,358	998	6,197	116	5,999	Nov.
513,621	10,359	25,552	1,969	17,906	557	7,417	102	5,007	Dec.

年 月	窯業土石製品小計(1～5)(つづき) Ceramics, clay and stone products total (continued)							セメント計(1～2)→
	都市ガス (B)	廃材	廃タイヤ	廃プラスチック	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)
	Town gas(B)	Waste material	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	(Crude petroleum equivalent)
	1000m ³	絶乾(Dry)t	t	t	t	1000kWh	t	kl
平成 29 年	81,377	2,738	67,656	304,801	36,210	3,439,545	47,719	5,711,134
30 年	85,392	2,648	65,923	350,095	41,367	3,377,542	37,889	5,600,224
令和 1 年	90,007	2,358	67,488	360,371	38,219	3,322,577	44,823	5,405,141
2 年	71,594	1,886	68,258	360,332	25,814	3,106,373	48,099	5,414,246
3 年	80,449	1,871	67,615	368,526	32,448	3,158,587	42,574	5,345,484
令和 1 年度	94,302	2,181	67,771	366,639	36,256	3,311,792	41,926	5,418,292
2 年	66,882	1,900	67,918	351,616	25,686	3,049,419	54,984	5,332,342
3 年 1～3月	20,860	453	16,519	86,538	8,452	783,336	18,792	1,301,676
4～6	21,804	540	13,563	84,310	8,530	790,388	10,395	1,277,813
7～9	20,219	417	17,082	96,892	8,139	750,175	6,926	1,352,443
10～12	17,566	461	20,452	100,786	7,327	834,688	6,461	1,413,552
3 年 1月	7,672	51	5,707	26,916	2,123	270,938	6,078	420,160
2 年	6,478	194	5,871	30,080	3,154	255,214	6,192	421,668
3 年	6,711	208	4,941	29,542	3,175	257,185	6,522	459,848
4 年	6,857	162	4,887	27,189	3,017	255,944	4,817	412,328
5 年	7,508	185	4,312	30,814	2,973	278,114	3,243	457,451
6 年	7,439	193	4,364	26,307	2,540	256,330	2,336	408,035
7 年	7,144	184	5,397	30,614	2,809	255,397	2,604	447,836
8 年	6,968	44	6,060	33,274	2,612	247,496	2,444	453,867
9 年	6,106	189	5,625	33,004	2,718	247,283	1,877	450,739
10 年	5,594	140	6,606	33,127	2,604	275,898	2,649	471,706
11 年	6,526	125	6,155	33,305	2,520	268,281	1,511	439,553
12 年	5,447	196	7,690	34,354	2,203	290,509	2,301	502,293

年 月	セメント計(1～2)(つづき) Cement total (continued)								→
	オイルコークス	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	コークス炉 ガス	高炉ガス	転炉ガス	
	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas	Converter furnace gas	
	t	kl	kl	t	t	1000m ³	1000m ³	1000m ³	
平成 29 年	812,493	177,969	4,352,197	6,060,142	1,971	1,860	731	37,903	
30 年	750,816	181,783	4,281,537	5,914,681	297	1,623	748	38,983	
令和 1 年	738,158	190,757	4,099,968	5,626,191	-	1,556	801	39,949	
2 年	746,716	199,010	4,127,633	5,563,885	4,200	1,605	879	31,821	
3 年	679,916	221,538	4,053,156	5,368,441	2,333	1,523	983	33,780	
令和 1 年度	755,934	195,209	4,099,058	5,593,837	292	1,551	790	41,232	
2 年	692,131	204,489	4,086,524	5,489,637	4,183	1,596	946	28,626	
3 年 1～3月	147,675	54,649	1,001,428	1,329,761	275	426	272	8,490	
4～6	164,404	50,038	966,846	1,287,734	350	381	252	7,210	
7～9	169,224	54,283	1,033,629	1,365,969	668	296	183	7,907	
10～12	198,615	62,568	1,051,253	1,384,978	1,040	420	276	10,173	
3 年 1月	35,075	16,685	332,974	442,496	50	134	95	2,167	
2 年	46,618	18,731	325,143	429,486	164	125	80	3,103	
3 年	65,981	19,233	343,310	457,779	61	167	97	3,220	
4 年	69,892	19,743	291,714	384,460	-	132	97	3,243	
5 年	55,526	13,531	358,363	480,549	100	112	67	2,362	
6 年	38,985	16,764	316,769	422,724	250	137	88	1,605	
7 年	58,687	19,456	338,568	447,590	300	83	55	3,027	
8 年	55,863	16,559	350,466	462,899	183	98	56	1,700	
9 年	54,674	18,268	344,595	455,480	185	115	72	3,180	
10 年	68,793	21,318	345,853	458,624	370	147	100	2,819	
11 年	61,470	20,490	327,724	428,184	150	140	98	3,697	
12 年	68,351	20,760	377,677	498,171	520	133	78	3,657	

年 月	セメント(焼成用)(1) for Sintering								→
	計 (原油換算)	石油系燃料 (原油換算)	灯油	軽油	重油計	A重油	B・C重油	炭化水素油	
	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	
	kl	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	4,477,573	918,831	2,276	2,085	21,309	5,058	16,251	229,748	
30 年	4,374,924	903,295	1,821	2,047	18,564	5,983	12,581	245,765	
令和 1 年	4,217,684	916,550	1,644	2,282	17,458	4,886	12,572	245,406	
2 年	4,193,673	910,780	1,552	2,377	16,218	4,257	11,961	227,029	
3 年	4,119,710	895,745	2,126	2,367	16,982	5,897	11,085	208,543	
令和 1 年度	4,221,166	935,636	1,589	2,353	16,455	4,721	11,734	245,216	
2 年	4,124,474	870,783	1,631	2,329	17,425	4,404	13,021	215,616	
3 年 1～3月	1,002,533	204,558	473	569	4,556	1,329	3,227	49,925	
4～6	990,942	218,716	419	583	3,380	1,286	2,094	51,931	
7～9	1,026,741	218,561	413	593	4,589	1,795	2,794	52,781	
10～12	1,099,493	253,910	821	622	4,457	1,487	2,970	53,906	
3 年 1月	324,964	56,019	163	185	1,594	661	933	16,519	
2 年	326,142	65,674	152	190	994	303	691	15,844	
3 年	351,428	82,865	158	194	1,968	365	1,603	17,562	
4 年	321,298	87,397	161	192	1,109	558	551	19,144	
5 年	358,359	68,703	122	196	995	326	669	14,361	
6 年	311,285	62,616	136	195	1,276	402	874	18,426	
7 年	341,226	75,273	134	195	1,317	360	957	17,309	
8 年	342,832	70,291	139	188	2,263	1,024	1,239	16,610	
9 年	342,684	72,998	140	210	1,009	411	598	18,862	
10 年	370,405	88,514	220	224	1,468	588	880	20,252	
11 年	339,539	77,997	274	195	1,445	377	1,068	15,124	
12 年	389,548	87,399	327	203	1,544	522	1,022	18,530	

Cement total									Year, Quarter &Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	kl	t	
1,123,492	132	2,617	6,413	47,432	8,282	39,150	232,086	5	C.Y. 2017
1,091,806	159	2,148	6,515	42,991	9,226	33,765	247,978	3	C.Y. 2018
1,081,876	187	2,073	6,166	35,316	8,348	26,968	247,196	8	C.Y. 2019
1,073,004	152	1,952	6,301	30,777	6,989	23,788	229,441	5	C.Y. 2020
1,076,317	197	2,563	6,211	32,773	9,375	23,398	210,680	7	C.Y. 2021
1,096,412	197	1,995	6,255	31,691	7,831	23,860	247,235	8	F.Y. 2019
1,035,955	182	2,079	6,292	31,914	7,117	24,797	217,983	6	F.Y. 2020
246,777	72	665	1,593	8,007	2,028	5,979	50,492	2	Q1 2021
256,749	49	509	1,554	6,647	2,178	4,469	52,478	2	Q2
268,630	34	459	1,530	9,086	2,708	6,378	53,264	2	Q3
304,161	42	930	1,534	9,032	2,461	6,571	54,446	1	Q4
68,401	24	236	503	2,737	919	1,818	16,703	-	Jan. 2021
79,111	23	217	532	2,077	536	1,540	16,051	1	Feb.
99,264	25	212	558	3,194	573	2,621	17,738	1	Mar.
103,125	12	200	490	1,744	785	958	19,322	1	Apr.
79,741	27	150	524	2,074	636	1,438	14,547	-	May
73,882	10	159	540	2,829	756	2,073	18,609	1	Jun.
92,140	12	152	500	2,566	571	1,995	17,472	-	Jul.
86,912	10	151	508	3,475	1,377	2,098	16,779	1	Aug.
89,577	12	156	522	3,046	761	2,285	19,013	1	Sep.
106,735	10	241	510	3,357	959	2,398	20,420	-	Oct.
93,246	10	308	479	2,357	579	1,778	15,284	-	Nov.
104,180	22	381	545	3,319	923	2,396	18,742	1	Dec.

天然ガス Natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	Year, Quarter &Month
1000m ³	1000m ³	1000m ³	絶乾(Dry)t	t	t	t	1000kWh	t	
6,154	17,482	19,032	2,738	67,628	296,211	8,434	2,519,045	16,148		C.Y. 2017
6,042	14,558	15,534	2,648	65,873	339,885	7,672	2,428,559	14,003	C.Y. 2018
6,014	14,109	15,050	2,358	67,445	350,767	9,176	2,390,722	13,087	C.Y. 2019
61,382	18,237	19,414	1,886	68,214	351,247	9,030	2,285,557	14,460	C.Y. 2020
57,241	21,905	23,254	1,871	67,592	358,959	6,516	2,316,132	8,066	C.Y. 2021
19,217	14,155	15,096	2,181	67,729	357,355	9,220	2,385,206	13,629	F.Y. 2019
62,426	19,645	20,914	1,900	67,877	342,342	9,013	2,245,740	13,837	F.Y. 2020
15,733	4,724	5,039	453	16,513	84,168	2,316	572,246	3,468	Q1 2021
13,764	5,766	6,120	540	13,563	81,846	1,269	581,574	1,719	Q2
14,348	5,964	6,313	417	17,079	94,543	1,645	538,283	1,602	Q3
13,397	5,451	5,781	461	20,437	98,402	1,286	624,029	1,277	Q4
5,733	2,261	2,399	51	5,703	26,200	531	201,078	1,153	Jan. 2021
4,866	1,321	1,411	194	5,869	29,159	844	186,378	1,108	Feb.
5,134	1,142	1,229	208	4,941	28,809	941	184,790	1,207	Mar.
4,896	1,392	1,486	162	4,887	26,378	663	187,508	663	Apr.
4,068	2,030	2,146	185	4,312	30,067	478	207,595	520	May
4,801	2,344	2,488	193	4,364	25,401	128	186,471	537	Jun.
5,119	2,053	2,175	184	5,397	29,894	726	183,714	552	Jul.
4,916	1,988	2,099	44	6,060	32,466	421	176,857	530	Aug.
4,312	1,923	2,039	189	5,622	32,183	498	177,712	519	Sep.
2,899	1,637	1,740	140	6,601	32,383	437	205,120	537	Oct.
4,693	2,191	2,319	125	6,150	32,551	525	199,751	19	Nov.
5,805	1,623	1,722	196	7,686	33,468	324	219,158	721	Dec.

液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃材 Waste material	Year, Quarter &Month
t	t	kl	kl	t	t	1000m ³	1000m ³	絶乾(Dry)t	
-	594,384	177,100	3,558,742	4,930,946	1,971	5,302	5,805	2,738		C.Y. 2017
1	551,483	180,734	3,471,629	4,753,754	297	5,927	6,489	2,648	C.Y. 2018
1	558,248	189,854	3,301,135	4,479,799	-	5,633	6,168	2,358	C.Y. 2019
-	567,094	198,119	3,282,892	4,439,868	4,200	6,453	7,065	1,886	C.Y. 2020
-	498,092	220,817	3,223,965	4,279,283	2,333	6,382	6,988	1,871	C.Y. 2021
1	578,573	194,326	3,285,530	4,446,557	292	5,586	6,116	2,181	F.Y. 2019
-	513,377	203,660	3,253,691	4,388,814	4,183	6,986	7,649	1,900	F.Y. 2020
-	105,246	54,458	797,976	1,063,952	275	1,898	2,078	453	Q1 2021
-	126,352	49,864	772,227	1,031,561	350	1,657	1,814	540	Q2
-	118,525	54,129	808,180	1,070,857	668	1,352	1,480	417	Q3
-	147,969	62,366	845,583	1,112,913	1,040	1,475	1,615	461	Q4
-	22,826	16,651	268,945	361,076	50	632	692	51	Jan. 2021
-	33,170	18,652	260,468	344,744	164	569	623	194	Feb.
-	49,250	19,155	268,563	358,132	61	697	763	208	Mar.
-	53,049	19,703	233,901	309,763	-	588	644	162	Apr.
-	44,777	13,451	289,657	388,848	100	394	431	185	May
-	28,526	16,710	248,669	332,950	250	675	739	193	Jun.
-	41,276	19,401	265,952	351,844	300	506	554	184	Jul.
-	38,666	16,528	272,542	363,999	183	329	360	44	Aug.
-	38,583	18,200	269,686	355,014	185	517	566	189	Sep.
-	50,597	21,252	281,892	371,606	370	529	579	140	Oct.
-	45,512	20,429	261,543	342,143	150	497	544	125	Nov.
-	51,860	20,685	302,149	399,164	520	449	492	196	Dec.

年 月	セメント(焼成用)(1)(つづき)			セメント(その他用)(2) for Others				
	廃タイヤ	廃プラスチック	RPF	計 (原油換算) Total equivalent)	石油系燃料 (原油換算) Oil based fuels equivalent)	ガソリン	灯油	軽油
	Used tires	Waste plastic	Plastic Fuel			Gasoline	Kerosene	Gas oil
	t	t	t	kl	kl	kl	kl	kl
平成 29 年	65,953	287,444	1,539	1,233,561	204,661	132	341	4,328
30	62,893	332,716	864	1,225,300	188,511	159	327	4,468
令和 1 年	64,800	346,373	1,060	1,187,457	165,326	187	429	3,884
2	66,072	351,247	464	1,220,573	162,224	152	400	3,924
3	66,565	354,261	3,774	1,225,775	180,572	197	437	3,844
令和 1 年度	65,178	354,382	1,047	1,197,126	160,777	197	406	3,902
2	65,865	342,342	483	1,207,867	165,172	182	448	3,963
3 年 1~3月	16,316	84,168	133	299,143	42,219	72	192	1,024
4~6	13,563	81,846	710	286,871	38,033	49	90	971
7~9	16,962	89,845	1,645	325,701	50,068	34	46	937
10~12	19,724	98,402	1,286	314,059	50,252	42	109	912
3 年 1月	5,568	26,200	30	95,197	12,383	24	73	318
2	5,807	29,159	55	95,526	13,438	23	65	342
3	4,941	28,809	48	108,420	16,399	25	54	364
4	4,887	26,378	104	91,030	15,728	12	39	298
5	4,312	30,067	478	99,092	11,039	27	28	328
6	4,364	25,401	128	96,750	11,266	10	23	345
7	5,397	29,894	726	106,611	16,867	12	18	305
8	6,060	27,768	421	111,035	16,622	10	12	320
9	5,505	32,183	498	108,056	16,579	12	16	312
10	6,409	32,383	437	101,301	18,221	10	21	286
11	5,875	32,551	525	100,013	15,249	10	34	284
12	7,440	33,468	324	112,746	16,781	22	54	342

年 月	セメント(その他用)(2)(つづき) for Others (continued)							
	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	天然ガス Natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃タイヤ Used tires
	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t
平成 29 年	-	1,860	731	37,903	6,154	12,180	13,227	1,675
30	-	1,623	748	38,983	6,042	8,631	9,044	2,980
令和 1 年	-	1,556	801	39,949	6,014	8,476	8,882	2,645
2	-	1,605	879	31,821	61,382	11,784	12,349	2,142
3	-	1,523	983	33,780	57,241	15,523	16,267	1,027
令和 1 年度	-	1,551	790	41,232	19,217	8,569	8,980	2,551
2	-	1,596	946	28,626	62,426	12,659	13,265	2,012
3 年 1~3月	-	426	272	8,490	15,733	2,826	2,961	197
4~6	-	381	252	7,210	13,764	4,109	4,306	-
7~9	-	296	183	7,907	14,348	4,612	4,833	117
10~12	-	420	276	10,173	13,397	3,976	4,166	713
3 年 1月	-	134	95	2,167	5,733	1,629	1,707	135
2	-	125	80	3,103	4,866	752	788	62
3	-	167	97	3,220	5,134	445	466	-
4	-	132	97	3,243	4,896	804	843	-
5	-	112	67	2,362	4,068	1,636	1,714	-
6	-	137	88	1,605	4,801	1,669	1,749	-
7	-	83	55	3,027	5,119	1,547	1,621	-
8	-	98	56	1,700	4,916	1,659	1,738	-
9	-	115	72	3,180	4,312	1,406	1,473	117
10	-	147	100	2,819	2,899	1,108	1,161	192
11	-	140	98	3,697	4,693	1,694	1,775	275
12	-	133	78	3,657	5,805	1,174	1,230	246

年 月	板ガラス計(3~4)(つづき) Sheet glass total (continued)							
	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	液化石油ガス Liquefied petroleum gas	非石油系燃料 (原油換算) Non-oil based fuels equivalent)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
	kl	kl	kl	t	kl	1000m ³	t	1000m ³
平成 29 年	221,608	1,048	220,560	3,486	96,070	33,879	427	48,539
30	223,644	1,243	222,401	3,472	104,561	34,291	451	55,393
令和 1 年	242,504	1,148	241,356	4,774	85,110	13,733	445	58,553
2	227,383	1,623	225,760	4,626	54,486	9,477	468	36,579
3	209,334	1,510	207,824	3,932	62,822	9,520	537	43,725
令和 1 年度	245,995	1,259	244,736	4,995	82,449	10,764	432	59,078
2	220,121	2,058	218,063	4,747	50,159	9,276	487	33,181
3 年 1~3月	54,482	836	53,646	1,236	16,535	2,373	144	11,617
4~6	52,679	232	52,447	744	16,418	2,374	121	11,548
7~9	52,972	311	52,661	964	16,084	2,373	125	11,298
10~12	49,202	131	49,071	988	13,785	2,400	147	9,262
3 年 1月	19,208	659	18,549	441	5,587	782	43	3,949
2	16,695	96	16,599	445	5,070	756	53	3,526
3	18,580	81	18,499	350	5,877	835	48	4,142
4	17,562	96	17,466	225	5,206	791	40	3,624
5	17,853	60	17,793	215	5,783	813	49	4,087
6	17,264	76	17,188	304	5,429	770	32	3,837
7	17,590	134	17,456	367	5,405	665	35	3,923
8	18,208	149	18,059	351	5,801	881	39	4,059
9	17,174	28	17,146	246	4,878	827	51	3,316
10	17,076	32	17,044	337	4,367	794	32	2,920
11	15,758	46	15,712	337	4,964	771	51	3,425
12	16,368	53	16,315	314	4,454	835	64	2,917

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels equivalent) kl	石炭 Coal t	Year, Quarter &Month
26,123	3,224	22,899	2,338	5	218,109	869	793,455	1,129,196	C.Y. 2017
24,427	3,243	21,184	2,213	2	199,333	1,049	809,909	1,160,927	C.Y. 2018
17,858	3,462	14,396	1,790	7	179,910	903	798,833	1,146,392	C.Y. 2019
14,559	2,732	11,827	2,412	5	179,622	891	844,740	1,124,017	C.Y. 2020
15,791	3,478	12,313	2,137	7	181,824	721	829,191	1,089,158	C.Y. 2021
15,236	3,110	12,126	2,019	7	177,361	883	813,528	1,147,280	F.Y. 2019
14,489	2,713	11,776	2,367	6	178,754	829	832,833	1,100,823	F.Y. 2020
3,451	699	2,752	567	2	42,429	191	203,452	265,809	Q1 2021
3,267	892	2,375	547	2	38,052	174	194,619	256,173	Q2
4,497	913	3,584	483	2	50,699	154	225,450	295,112	Q3
4,575	974	3,601	540	1	50,646	202	205,670	272,065	Q4
1,143	258	885	184	-	12,249	34	64,029	81,420	Jan. 2021
1,083	233	849	207	-	13,448	79	64,675	84,742	Feb.
1,226	208	1,018	176	1	16,731	78	74,748	99,647	Mar.
635	227	407	178	1	16,843	40	57,813	74,697	Apr.
1,079	310	769	186	-	10,749	80	68,706	91,701	May
1,553	354	1,199	183	1	10,459	54	68,100	89,774	Jun.
1,249	211	1,038	163	-	17,411	55	72,616	95,746	Jul.
1,212	353	859	169	1	17,197	31	77,925	98,900	Aug.
2,037	350	1,687	151	1	16,091	68	74,909	100,466	Sep.
1,889	371	1,518	168	-	18,196	66	63,961	87,018	Oct.
912	202	710	160	-	15,958	61	66,181	86,041	Nov.
1,775	401	1,374	212	1	16,491	75	75,528	99,007	Dec.

廃プラスチック Waste plastic t	RPF Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	板ガラス計(3~4) Sheet glass total		ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels equivalent) kl				
8,767	6,895	2,519,045	16,148	378,337	245,035	22	585	29	C.Y. 2017
7,169	6,808	2,428,559	14,003	390,522	247,122	22	491	33	C.Y. 2018
4,394	8,116	2,390,722	13,087	393,223	269,163	20	393	34	C.Y. 2019
-	8,566	2,285,557	14,460	341,711	252,636	20	475	30	C.Y. 2020
4,698	2,742	2,316,132	8,066	328,201	231,766	16	682	30	C.Y. 2021
2,973	8,173	2,385,206	13,629	394,584	273,258	22	426	34	F.Y. 2019
-	8,530	2,245,740	13,837	328,715	244,878	18	626	32	F.Y. 2020
-	2,183	572,246	3,468	85,854	60,630	4	248	10	Q1 2021
-	559	581,574	1,719	83,105	58,099	4	258	8	Q2
4,698	-	538,283	1,602	83,022	58,453	4	4	6	Q3
-	-	624,029	1,277	76,220	54,584	4	172	6	Q4
-	501	201,078	1,153	29,678	21,327	2	57	4	Jan. 2021
-	789	186,378	1,108	26,609	18,676	-	78	2	Feb.
-	893	184,790	1,207	29,567	20,627	2	113	4	Mar.
-	559	187,508	663	27,373	19,355	2	103	3	Apr.
-	-	207,595	520	28,418	19,663	-	111	2	May
-	-	186,471	537	27,315	19,081	2	44	3	Jun.
-	-	183,714	552	27,775	19,471	2	2	3	Jul.
4,698	-	176,857	530	28,818	20,114	2	1	2	Aug.
-	-	177,712	519	26,429	18,868	-	1	1	Sep.
-	-	205,120	537	25,950	18,900	2	20	2	Oct.
-	-	199,751	19	25,056	17,530	2	77	2	Nov.
-	-	219,158	721	25,214	18,154	-	75	2	Dec.

都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	板ガラス(溶解窯用)(3) for Dissolving furnaces			灯油 Kerosene kl	重油計 Heavy fuel oil total kl	Year, Quarter &Month
					計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels equivalent) kl	重油計 Heavy fuel oil total kl			
54,036	-	-	389,543	14,406	328,008	237,298	-	218,576	C.Y. 2017	
61,563	-	-	412,665	6,536	337,838	240,027	-	221,034	C.Y. 2018	
65,014	-	-	407,905	14,543	340,057	262,374	-	240,081	C.Y. 2019	
40,653	-	-	360,490	15,249	293,598	244,528	-	223,278	C.Y. 2020	
48,595	-	-	348,182	17,708	283,292	226,144	-	206,320	C.Y. 2021	
65,668	-	-	409,798	10,946	342,091	266,527	-	243,583	F.Y. 2019	
36,823	-	-	344,797	23,193	280,358	235,869	-	215,036	F.Y. 2020	
12,924	-	-	85,222	11,014	73,127	58,046	-	52,917	Q1 2021	
12,843	-	-	88,929	4,558	71,936	56,883	-	52,135	Q2	
12,525	-	-	90,379	1,125	72,056	57,436	-	52,361	Q3	
10,303	-	-	83,653	1,011	66,174	53,779	-	48,907	Q4	
4,395	-	-	27,136	3,465	25,121	20,024	-	18,217	Jan. 2021	
3,922	-	-	28,091	3,605	22,580	17,997	-	16,395	Feb.	
4,606	-	-	29,994	3,944	25,426	20,025	-	18,305	Mar.	
4,031	-	-	28,121	2,831	23,653	18,875	-	17,324	Apr.	
4,539	-	-	30,996	1,276	24,554	19,300	-	17,715	May	
4,273	-	-	29,811	451	23,728	18,709	-	17,096	Jun.	
4,356	-	-	30,784	512	24,019	19,081	-	17,324	Jul.	
4,499	-	-	30,775	579	24,959	19,659	-	17,948	Aug.	
3,670	-	-	28,820	34	23,078	18,696	-	17,089	Sep.	
3,248	-	-	28,305	723	22,636	18,699	-	17,001	Oct.	
3,809	-	-	27,443	144	21,744	17,249	-	15,659	Nov.	
3,246	-	-	27,905	144	21,793	17,831	-	16,247	Dec.	

年 月	板ガラス(熔解窯用) (3) for Dissolving furnaces (continued)						板ガラス(その他用) (4) →	
	B・C重油	液化石油ガス	非石油系燃料 (原油換算)	天然ガス	都市ガス (A)	都市ガス (B)	計 (原油換算)	石油系燃料 (原油換算)
	Heavy fuel oil B・C	Liquefied petroleum gas	Non-oil based fuels (Crude petroleum equivalent)	Natural gas	Town gas(A)	Town gas(B)	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)
	kl	t	kl	1000m ³	1000m ³	1000m ³	kl	kl
平成 29 年	218,576	494	90,710	33,879	44,233	49,556	50,329	7,737
30 年	221,034	546	97,810	34,291	49,811	55,805	52,684	7,094
令和 1 年	240,081	1,860	77,683	13,733	52,316	58,612	53,166	6,789
2 年	223,278	2,124	49,070	9,477	32,308	36,174	48,113	8,108
3 年	206,320	2,547	57,148	9,520	39,345	43,967	44,909	5,622
令和 1 年度	243,583	2,135	75,564	10,764	53,340	59,759	52,494	6,732
2 年	215,036	2,439	44,488	9,276	28,711	32,131	48,357	9,009
3 年 1~3月	52,917	688	15,080	2,373	10,496	11,746	12,727	2,584
4~6	52,135	442	15,052	2,374	10,474	11,718	11,169	1,216
7~9	52,361	680	14,621	2,373	10,164	11,313	10,966	1,017
10~12	48,907	737	12,395	2,400	8,211	9,189	10,047	805
3 年 1月	18,217	269	5,096	782	3,566	3,990	4,557	1,302
2 月	16,395	223	4,583	756	3,158	3,534	4,029	679
3 月	18,305	196	5,401	835	3,772	4,222	4,141	602
4 月	17,324	126	4,778	791	3,290	3,681	3,719	480
5 月	17,715	128	5,254	813	3,671	4,107	3,864	364
6 月	17,096	188	5,020	770	3,513	3,930	3,586	372
7 月	17,324	285	4,939	665	3,556	3,963	3,756	390
8 月	17,948	211	5,300	881	3,666	4,080	3,859	455
9 月	17,089	184	4,382	827	2,942	3,271	3,351	172
10 月	17,001	260	3,937	794	2,579	2,886	3,314	201
11 月	15,659	259	4,496	771	3,070	3,436	3,312	281
12 月	16,247	218	3,962	835	2,562	2,868	3,421	323

年 月	板ガラス(その他用) (4)(つづき) for Others (continued)							石灰(5) →	
	石炭ークス (ピッチークスを含む)	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	電力	蒸気	計 (原油換算)	
	Coal coke (including pitch coke)	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Electricity	Steam	Total (Crude petroleum equivalent)	
	t	1000m ³	t	1000m ³	1000m ³	1000kWh	t	kl	
平成 29 年	-	-	427	4,306	4,480	389,543	14,406	834,640	
30 年	-	-	451	5,582	5,757	412,665	6,536	864,687	
令和 1 年	-	-	445	6,237	6,402	407,905	14,543	839,796	
2 年	-	-	468	4,271	4,479	360,490	15,249	689,848	
3 年	-	-	537	4,380	4,628	348,182	17,708	764,315	
令和 1 年度	-	-	432	5,738	5,909	409,798	10,946	822,904	
2 年	-	-	487	4,470	4,692	344,797	23,193	681,003	
3 年 1~3月	-	-	144	1,121	1,178	85,222	11,014	192,306	
4~6	-	-	121	1,074	1,125	88,929	4,558	187,428	
7~9	-	-	125	1,134	1,212	90,379	1,125	187,406	
10~12	-	-	147	1,051	1,113	83,653	1,011	197,175	
3 年 1月	-	-	43	383	405	27,136	3,465	64,183	
2 月	-	-	53	368	388	28,091	3,605	62,347	
3 月	-	-	48	370	385	29,994	3,944	65,776	
4 月	-	-	40	334	350	28,121	2,831	63,084	
5 月	-	-	49	416	432	30,996	1,276	62,636	
6 月	-	-	32	324	343	29,811	451	61,708	
7 月	-	-	35	367	393	30,784	512	62,454	
8 月	-	-	39	393	420	30,775	579	62,739	
9 月	-	-	51	374	399	28,820	34	62,213	
10 月	-	-	32	341	363	28,305	723	65,462	
11 月	-	-	51	355	373	27,443	144	64,643	
12 月	-	-	64	355	378	27,905	144	67,069	

年 月	石灰(5)(つづき) Lime (continued)							
	液化石油ガス	オイルークス	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭ークス (ピッチークスを含む)	ークス炉 ガス	高炉ガス
	Liquefied petroleum gas	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas
	t	t	kl	kl	t	t	1000m ³	1000m ³
平成 29 年	7	106,644	48,034	457,129	179,974	135,140	242,599	52,959
30 年	6	94,634	54,807	492,703	191,523	135,903	284,838	65,377
令和 1 年	5	78,031	58,312	484,476	154,850	156,331	293,740	61,950
2 年	5	74,790	47,603	383,327	90,121	152,690	229,476	36,377
3 年	8	77,035	55,774	432,922	148,104	133,254	281,063	21,299
令和 1 年度	4	75,356	58,392	476,695	136,479	162,206	287,681	65,134
2 年	7	73,957	47,800	373,671	95,049	147,546	225,763	23,922
3 年 1~3月	2	18,654	13,722	107,939	33,015	38,215	65,734	5,710
4~6	1	18,278	13,193	107,615	33,401	36,051	68,788	4,822
7~9	2	19,049	13,779	105,901	37,777	30,464	71,949	3,828
10~12	3	21,054	15,080	111,468	43,912	28,524	74,592	6,939
3 年 1月	1	6,089	4,196	36,404	11,006	12,756	22,847	2,255
2 月	-	6,253	4,624	34,966	9,988	12,502	21,100	1,634
3 月	1	6,311	4,902	36,568	12,021	12,957	21,787	1,821
4 月	-	6,002	4,061	36,216	12,125	11,793	21,764	2,003
5 月	1	6,031	4,440	35,847	10,885	11,791	24,030	1,358
6 月	-	6,244	4,692	35,551	10,392	12,467	22,994	1,461
7 月	1	6,362	4,995	35,138	12,471	9,791	24,264	1,172
8 月	1	6,473	4,380	35,162	12,436	10,242	23,956	1,285
9 月	-	6,215	4,404	35,601	12,870	10,431	23,729	1,371
10 月	1	6,786	5,020	37,446	14,117	9,597	24,748	3,020
11 月	1	6,958	5,248	36,136	14,344	9,088	24,425	2,028
12 月	1	7,310	4,812	37,886	15,451	9,839	25,419	1,891

for Others									Year, Quarter &Month
ガソリン	灯油	軽油	重油計	A重油	B・C重油	液化石油ガス	非石油系燃料 (原油換算)	Non-oil based fuels (Crude petroleum equivalent)	
Gasoline	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas			
kl	kl	kl	kl	kl	kl	t	kl		
22	585	29	3,032	1,048	1,984	2,992	5,360	C.Y. 2017	
22	491	33	2,610	1,243	1,367	2,926	6,751	C.Y. 2018	
20	393	34	2,423	1,148	1,275	2,914	7,427	C.Y. 2019	
20	475	30	4,105	1,623	2,482	2,502	5,417	C.Y. 2020	
16	682	30	3,014	1,510	1,504	1,385	5,674	C.Y. 2021	
22	426	34	2,412	1,259	1,153	2,860	6,885	F.Y. 2019	
18	626	32	5,085	2,058	3,027	2,308	5,671	F.Y. 2020	
4	248	10	1,565	836	729	548	1,454	Q1 2021	
4	258	8	544	232	312	302	1,366	Q2	
4	4	6	611	311	300	284	1,463	Q3	
4	172	6	295	131	164	251	1,390	Q4	
2	57	4	991	659	332	172	491	Jan. 2021	
-	78	2	300	96	204	222	487	Feb.	
2	113	4	275	81	194	154	476	Mar.	
2	103	3	238	96	142	99	428	Apr.	
-	111	2	138	60	78	87	528	May	
2	44	3	168	76	92	116	410	Jun.	
2	2	3	266	134	132	82	467	Jul.	
2	1	2	260	149	111	140	501	Aug.	
-	1	1	85	28	57	62	496	Sep.	
2	20	2	75	32	43	77	430	Oct.	
2	77	2	99	46	53	78	468	Nov.	
-	75	2	121	53	68	96	492	Dec.	

Lime									Year, Quarter &Month
石油系燃料 (原油換算)	ガソリン	灯油	軽油	重油計	A重油	B・C重油	炭化水素油	Hydrocarbon oil	
Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C			
kl	kl	kl	kl	kl	kl	kl	kl		
326,933	56	9,087	1,346	158,958	21,299	137,659	13,018	C.Y. 2017	
320,894	56	8,708	1,274	154,732	17,521	137,211	13,885	C.Y. 2018	
305,392	56	8,591	1,265	148,797	16,038	132,760	13,999	C.Y. 2019	
262,429	56	7,289	1,188	125,408	14,276	111,132	11,386	C.Y. 2020	
284,253	58	6,924	1,221	133,030	14,265	118,765	9,285	C.Y. 2021	
296,936	57	7,845	1,239	143,423	15,342	128,081	14,025	F.Y. 2019	
263,405	56	7,583	1,164	126,176	14,458	111,718	10,389	F.Y. 2020	
72,361	15	2,067	280	34,843	4,216	30,627	2,410	Q1 2021	
68,377	13	1,680	306	32,292	3,444	28,847	2,342	Q2	
69,911	15	1,562	300	32,727	3,003	29,724	2,218	Q3	
73,604	15	1,615	335	33,168	3,602	29,566	2,315	Q4	
23,704	5	802	86	11,530	1,298	10,232	871	Jan. 2021	
23,489	5	614	88	11,152	1,306	9,846	663	Feb.	
25,169	5	651	106	12,161	1,612	10,549	876	Mar.	
23,026	5	564	106	11,417	1,168	10,249	731	Apr.	
23,012	4	595	94	10,905	1,138	9,767	829	May	
22,338	4	521	106	9,969	1,138	8,831	782	Jun.	
23,405	5	520	101	10,533	1,030	9,502	818	Jul.	
23,776	5	535	95	11,344	946	10,398	841	Aug.	
22,730	5	507	104	10,851	1,027	9,824	559	Sep.	
23,969	5	509	98	10,898	1,124	9,773	624	Oct.	
24,593	5	525	113	10,851	1,198	9,653	880	Nov.	
25,043	5	581	124	11,420	1,279	10,140	811	Dec.	

転炉ガス	電気炉ガス	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	廃タイヤ	廃材	Year, Quarter &Month
Converter furnace gas	Electric furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Used tires	Waste material	
1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	t	絶乾(Dry)t	
194,465	13,276	7,686	5,560	7,974	8,310	28	-	C.Y. 2017
197,617	13,972	11,097	471	7,947	8,296	50	-	C.Y. 2018
211,462	11,735	7,147	620	9,574	9,943	42	-	C.Y. 2019
165,871	7,669	7,534	790	11,133	11,528	44	-	C.Y. 2020
177,508	5,835	8,591	327	8,352	8,601	23	-	C.Y. 2021
213,677	10,223	7,813	635	13,107	13,538	42	-	F.Y. 2019
161,383	8,450	7,160	593	8,812	9,145	41	-	F.Y. 2020
47,602	2,092	1,965	23	2,816	2,897	5	-	Q1 2021
40,877	836	2,334	52	2,764	2,841	-	-	Q2
43,265	480	1,933	142	1,335	1,381	2	-	Q3
45,764	2,427	2,359	110	1,437	1,482	15	-	Q4
17,469	824	629	13	852	877	4	-	Jan. 2021
15,304	436	656	10	1,117	1,145	2	-	Feb.
14,829	832	680	-	847	875	-	-	Mar.
13,744	734	734	3	1,307	1,340	-	-	Apr.
13,477	102	763	4	800	823	-	-	May
13,656	-	836	45	657	678	-	-	Jun.
14,785	-	652	8	593	614	-	-	Jul.
13,837	146	731	53	359	370	-	-	Aug.
14,643	334	550	81	383	397	2	-	Sep.
16,854	872	849	7	587	605	5	-	Oct.
14,661	998	733	65	383	398	5	-	Nov.
14,249	557	777	38	467	480	5	-	Dec.

年 月	石灰(5)(つづき) Lime (continued)				Year, Quarter &Month
	廃プラスチック	RPF	電力	蒸気	
	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	
	t	t	1000kWh	t	
平成 29 年	8,590	27,776	530,957	17,165	C.Y. 2017
30 年	10,210	33,695	536,318	17,350	C.Y. 2018
令和 1 年	9,604	29,043	523,950	17,193	C.Y. 2019
2 年	9,085	16,784	460,326	18,390	C.Y. 2020
3 年	9,567	25,932	494,273	16,800	C.Y. 2021
令和 1 年度	9,284	27,036	516,788	17,351	F.Y. 2019
2 年	9,274	16,673	458,883	17,954	F.Y. 2020
3 年 1~3月	2,370	6,136	125,868	4,310	Q1 2021
4~6	2,464	7,261	119,885	4,118	Q2
7~9	2,349	6,494	121,513	4,199	Q3
10~12	2,384	6,041	127,006	4,173	Q4
3 年 1月	716	1,592	42,723	1,460	Jan. 2021
2	921	2,310	40,744	1,479	Feb.
3	733	2,234	42,401	1,371	Mar.
4	811	2,354	40,315	1,323	Apr.
5	747	2,495	39,522	1,447	May
6	906	2,412	40,048	1,348	Jun.
7	720	2,083	40,899	1,540	Jul.
8	808	2,191	39,864	1,335	Aug.
9	821	2,220	40,751	1,324	Sep.
10	744	2,167	42,474	1,389	Oct.
11	754	1,995	41,087	1,348	Nov.
12	886	1,879	43,445	1,436	Dec.

⑥ ガラス製品 Glass products

直接投入エネルギー表 Table of direct input energy

年 月	ガラス製品工業 Glass products industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	661,021	113,190	-	704	38	85,826	5,649	80,177
30	618,668	82,546	-	123	39	69,107	3,964	65,143
令和 1 年	570,562	62,805	-	119	34	51,762	3,686	48,076
2	496,946	59,490	-	162	35	49,476	5,548	43,928
3	481,443	49,449	-	83	33	40,802	3,128	37,674
令和 1 年度	560,690	61,038	-	132	34	50,161	3,114	47,047
2	478,326	53,763	-	123	38	44,566	5,571	38,995
3 年 1~3月	112,373	9,611	-	43	12	7,670	899	6,771
4~6	119,478	13,653	-	10	6	11,520	845	10,675
7~9	125,537	13,415	-	7	8	11,109	660	10,449
10~12	124,055	12,770	-	23	7	10,503	724	9,779
3 年 1月	37,859	3,333	-	18	7	2,662	367	2,295
2	36,306	3,052	-	14	2	2,433	258	2,175
3	38,208	3,226	-	11	3	2,575	274	2,301
4	38,855	4,108	-	6	2	3,395	270	3,125
5	40,157	4,928	-	3	2	4,252	337	3,915
6	40,466	4,617	-	1	2	3,873	238	3,635
7	41,924	4,600	-	3	2	3,822	227	3,595
8	42,258	4,673	-	3	3	3,890	219	3,671
9	41,355	4,142	-	1	3	3,397	214	3,183
10	41,741	4,268	-	3	2	3,529	228	3,301
11	40,952	4,247	-	7	2	3,483	246	3,237
12	41,361	4,255	-	13	3	3,491	250	3,241

年 月	ガラス製品工業(つづき)		ガラス製品 Glass products					
	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total
	1000kWh	t	kl	kl	kl	kl	kl	kl
平成 29 年	1,737,681	172,167	642,305	112,058	-	677	38	84,731
30	1,661,790	158,167	600,165	81,394	-	97	39	67,991
令和 1 年	1,509,763	154,253	556,759	61,678	-	95	34	50,669
2	1,203,555	118,575	484,225	58,376	-	144	35	48,391
3	1,225,566	118,220	468,632	48,327	-	62	33	39,705
令和 1 年度	1,443,903	143,598	547,866	59,939	-	108	34	49,096
2	1,168,223	111,279	465,856	52,570	-	105	38	43,400
3 年 1~3月	278,697	27,638	109,144	9,179	-	37	12	7,246
4~6	304,232	28,455	116,324	13,421	-	7	6	11,292
7~9	327,009	28,309	122,233	13,221	-	2	8	10,921
10~12	315,628	33,818	120,931	12,505	-	16	7	10,246
3 年 1月	91,703	9,105	36,736	3,133	-	16	7	2,465
2	89,086	8,567	35,297	2,936	-	12	2	2,319
3	97,908	9,966	37,111	3,110	-	9	3	2,462
4	96,403	9,341	37,812	4,016	-	5	2	3,304
5	102,486	9,790	39,121	4,858	-	2	2	4,184
6	105,343	9,324	39,391	4,547	-	-	2	3,804
7	111,777	9,447	40,805	4,531	-	1	2	3,756
8	109,496	9,318	41,141	4,616	-	1	3	3,835
9	105,736	9,544	40,287	4,074	-	-	3	3,330
10	107,066	10,435	40,723	4,200	-	1	2	3,463
11	104,517	10,959	39,883	4,155	-	5	2	3,393
12	104,045	12,424	40,325	4,151	-	10	3	3,390

年 月	ガラス製品(つづき) Glass products (continued)				Year, Quarter &Month
	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	
	t	t	1000kWh	t	
平成 29 年	-	-	1,573,217	170,719	C.Y. 2017
30	-	-	1,498,409	157,076	C.Y. 2018
令和 1 年	-	-	1,396,216	154,074	C.Y. 2019
2	-	-	1,103,117	118,575	C.Y. 2020
3	-	-	1,120,690	118,220	C.Y. 2021
令和 1 年度	-	-	1,343,905	143,598	F.Y. 2019
2	-	-	1,067,847	111,279	F.Y. 2020
3 年 1~3月	-	-	253,785	27,638	Q1 2021
4~6	-	-	277,910	28,455	Q2
7~9	-	-	298,975	28,309	Q3
10~12	-	-	290,020	33,818	Q4
3 年 1月	-	-	83,401	9,105	Jan. 2021
2	-	-	81,202	8,567	Feb.
3	-	-	89,182	9,966	Mar.
4	-	-	87,948	9,341	Apr.
5	-	-	93,704	9,790	May
6	-	-	96,258	9,324	Jun.
7	-	-	102,243	9,447	Jul.
8	-	-	99,862	9,318	Aug.
9	-	-	96,870	9,544	Sep.
10	-	-	98,805	10,435	Oct.
11	-	-	95,752	10,959	Nov.
12	-	-	95,463	12,424	Dec.

液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
11,906	4,181	374,286	57,128	255,038	276,537	-	-	C.Y. 2017
2,722	4,124	370,605	56,995	252,220	273,247	-	-	C.Y. 2018
1,825	4,321	356,652	67,802	226,880	245,753	-	-	C.Y. 2019
1,177	4,420	317,302	71,025	188,827	204,419	-	-	C.Y. 2020
561	4,598	309,816	64,407	190,067	206,005	-	-	C.Y. 2021
1,723	4,365	355,410	69,980	223,248	241,690	-	-	F.Y. 2019
873	4,467	308,199	71,289	180,444	195,455	-	-	F.Y. 2020
128	1,132	74,926	17,498	43,617	47,263	-	-	Q1 2021
136	1,042	75,557	15,525	46,576	50,483	-	-	Q2
153	1,206	79,746	16,052	49,570	53,725	-	-	Q3
144	1,218	79,586	15,332	50,304	54,534	-	-	Q4
42	392	25,366	6,107	14,537	15,757	-	-	Jan. 2021
50	350	24,375	5,819	14,026	15,207	-	-	Feb.
36	390	25,186	5,572	15,054	16,299	-	-	Mar.
44	382	25,133	5,079	15,599	16,906	-	-	Apr.
54	275	25,019	5,136	15,430	16,723	-	-	May
38	385	25,405	5,310	15,547	16,854	-	-	Jun.
51	402	26,273	5,383	16,224	17,575	-	-	Jul.
50	402	26,755	5,441	16,562	17,951	-	-	Aug.
52	402	26,718	5,228	16,784	18,200	-	-	Sep.
38	404	26,792	5,188	16,902	18,323	-	-	Oct.
59	403	26,225	4,874	16,795	18,207	-	-	Nov.
47	411	26,569	5,270	16,607	18,004	-	-	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	Year, Quarter &Month
4,554	80,177	11,906	4,181	372,101	57,128	253,159	274,480	C.Y. 2017
2,848	65,143	2,722	4,124	368,527	56,995	250,434	271,292	C.Y. 2018
2,593	48,076	1,825	4,321	354,550	67,802	225,088	243,773	C.Y. 2019
4,463	43,928	1,177	4,420	315,038	71,025	186,880	202,287	C.Y. 2020
2,031	37,674	561	4,598	307,883	64,407	188,405	204,185	C.Y. 2021
2,049	47,047	1,723	4,365	352,987	69,980	221,180	239,409	F.Y. 2019
4,405	38,995	873	4,467	306,260	71,289	178,776	193,628	F.Y. 2020
475	6,771	128	1,132	74,446	17,498	43,204	46,811	Q1 2021
617	10,675	136	1,042	75,084	15,525	46,169	50,037	Q2
472	10,449	153	1,206	79,243	16,052	49,138	53,252	Q3
467	9,779	144	1,218	79,110	15,332	49,894	54,085	Q4
170	2,295	42	392	25,215	6,107	14,407	15,615	Jan. 2021
144	2,175	50	350	24,215	5,819	13,889	15,057	Feb.
161	2,301	36	390	25,016	5,572	14,908	16,139	Mar.
179	3,125	44	382	24,969	5,079	15,458	16,752	Apr.
269	3,915	54	275	24,869	5,136	15,301	16,581	May
169	3,635	38	385	25,245	5,310	15,410	16,704	Jun.
161	3,595	51	402	26,109	5,383	16,083	17,421	Jul.
164	3,671	50	402	26,592	5,441	16,422	17,797	Aug.
147	3,183	52	402	26,542	5,228	16,633	18,034	Sep.
162	3,301	38	404	26,611	5,188	16,746	18,152	Oct.
156	3,237	59	403	26,064	4,874	16,656	18,055	Nov.
149	3,241	47	411	26,435	5,270	16,492	17,878	Dec.

⑥ ガラス製品 Glass products

一次投入燃料換算表 Conversion table for primary input fuel

年 月	ガラス製品工業 Glass products industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	677,786	113,359	-	753	38	85,908	5,731	80,177
30	634,998	82,742	-	170	39	69,257	4,114	65,143
令和 1 年	583,613	62,884	-	155	34	51,806	3,730	48,076
2	505,921	62,885	-	189	35	52,811	8,883	43,928
3	496,259	49,658	-	107	33	40,987	3,313	37,674
令和 1 年度	570,952	61,144	-	168	34	50,233	3,186	47,047
2	489,855	57,278	-	146	38	48,024	9,029	38,995
3 年 1~3月	116,003	9,768	-	49	12	7,821	1,050	6,771
4~6	122,824	13,664	-	16	6	11,525	850	10,675
7~9	129,175	13,449	-	13	8	11,138	689	10,449
10~12	128,257	12,776	-	29	7	10,503	724	9,779
3 年 1月	39,224	3,482	-	20	7	2,808	513	2,295
2	37,426	3,059	-	16	2	2,438	263	2,175
3	39,353	3,228	-	13	3	2,575	274	2,301
4	39,676	4,110	-	8	2	3,395	270	3,125
5	41,452	4,930	-	5	2	4,252	337	3,915
6	41,696	4,624	-	3	2	3,878	243	3,635
7	43,243	4,621	-	5	2	3,841	246	3,595
8	43,468	4,685	-	5	3	3,900	229	3,671
9	42,463	4,144	-	3	3	3,397	214	3,183
10	42,957	4,270	-	5	2	3,529	228	3,301
11	42,602	4,249	-	9	2	3,483	246	3,237
12	42,699	4,257	-	15	3	3,491	250	3,241

年 月	ガラス製品工業(つづき)		ガラス製品 Glass products					
	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total
	1000kWh	t	kl	kl	kl	kl	kl	kl
平成 29 年	1,636,055	-	657,418	112,227	-	726	38	84,813
30	1,559,863	-	614,923	81,590	-	144	39	68,141
令和 1 年	1,422,648	-	569,404	61,757	-	131	34	50,713
2	1,137,695	-	493,201	61,771	-	171	35	51,726
3	1,132,955	-	483,448	48,535	-	86	33	39,890
令和 1 年度	1,371,222	-	558,129	60,046	-	144	34	49,168
2	1,093,602	-	477,386	56,085	-	128	38	46,858
3 年 1~3月	258,489	-	112,773	9,337	-	43	12	7,397
4~6	281,011	-	119,670	13,432	-	13	6	11,297
7~9	303,038	-	125,871	13,256	-	8	8	10,950
10~12	290,417	-	125,134	12,511	-	22	7	10,246
3 年 1月	84,209	-	38,101	3,282	-	18	7	2,611
2	82,997	-	36,417	2,942	-	14	2	2,324
3	91,283	-	38,256	3,112	-	11	3	2,462
4	89,837	-	38,634	4,018	-	7	2	3,304
5	94,071	-	40,416	4,860	-	4	2	4,184
6	97,103	-	40,621	4,554	-	2	2	3,809
7	103,277	-	42,124	4,552	-	3	2	3,775
8	101,548	-	42,352	4,628	-	3	3	3,845
9	98,213	-	41,394	4,075	-	2	3	3,330
10	98,773	-	41,939	4,202	-	3	2	3,463
11	95,950	-	41,532	4,157	-	7	2	3,393
12	95,694	-	41,662	4,152	-	12	3	3,390

年 月	ガラス製品(つづき) Glass products (continued)				Year, Quarter &Month
	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	
	t	t	1000kWh	t	
平成 29 年	-	-	1,471,598	-	C.Y. 2017
30	-	-	1,396,506	-	C.Y. 2018
令和 1 年	-	-	1,309,107	-	C.Y. 2019
2	-	-	1,037,261	-	C.Y. 2020
3	-	-	1,028,083	-	C.Y. 2021
令和 1 年度	-	-	1,271,229	-	F.Y. 2019
2	-	-	993,229	-	F.Y. 2020
3 年 1~3月	-	-	233,578	-	Q1 2021
4~6	-	-	254,690	-	Q2
7~9	-	-	275,005	-	Q3
10~12	-	-	264,810	-	Q4
3 年 1月	-	-	75,907	-	Jan. 2021
2	-	-	75,113	-	Feb.
3	-	-	82,557	-	Mar.
4	-	-	81,382	-	Apr.
5	-	-	85,289	-	May
6	-	-	88,018	-	Jun.
7	-	-	93,743	-	Jul.
8	-	-	91,914	-	Aug.
9	-	-	89,347	-	Sep.
10	-	-	90,512	-	Oct.
11	-	-	87,185	-	Nov.
12	-	-	87,112	-	Dec.

液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
11,936	4,181	412,236	60,377	283,770	307,955	-	-	C.Y. 2017
2,722	4,124	407,152	60,256	279,731	303,329	-	-	C.Y. 2018
1,825	4,321	388,390	70,905	250,446	271,515	-	-	C.Y. 2019
1,177	4,420	337,205	74,151	202,189	219,007	-	-	C.Y. 2020
561	4,598	341,210	67,814	212,952	231,032	-	-	C.Y. 2021
1,723	4,365	382,252	73,125	242,554	262,787	-	-	F.Y. 2019
873	4,467	330,847	74,396	196,184	212,650	-	-	F.Y. 2020
128	1,132	82,189	18,250	48,956	53,100	-	-	Q1 2021
136	1,042	83,020	16,325	52,028	56,445	-	-	Q2
153	1,206	87,536	16,809	55,355	60,052	-	-	Q3
144	1,218	88,466	16,430	56,613	61,434	-	-	Q4
42	392	27,909	6,288	16,506	17,910	-	-	Jan. 2021
50	350	26,646	6,099	15,642	16,973	-	-	Feb.
36	390	27,634	5,863	16,808	18,217	-	-	Mar.
44	382	27,209	5,318	17,096	18,543	-	-	Apr.
54	275	27,772	5,412	17,464	18,947	-	-	May
38	385	28,038	5,595	17,468	18,955	-	-	Jun.
51	402	29,016	5,658	18,250	19,791	-	-	Jul.
50	402	29,337	5,723	18,442	20,007	-	-	Aug.
52	402	29,183	5,428	18,663	20,255	-	-	Sep.
38	404	29,498	5,467	18,892	20,499	-	-	Oct.
59	403	29,427	5,427	18,878	20,485	-	-	Nov.
47	411	29,540	5,535	18,843	20,449	-	-	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	Year, Quarter &Month
4,636	80,177	11,936	4,181	408,298	60,377	280,384	304,248	C.Y. 2017
2,998	65,143	2,722	4,124	403,426	60,256	276,527	299,819	C.Y. 2018
2,637	48,076	1,825	4,321	385,870	70,905	248,294	269,142	C.Y. 2019
7,798	43,928	1,177	4,420	334,941	74,151	200,242	216,875	C.Y. 2020
2,216	37,674	561	4,598	339,277	67,814	211,290	229,212	C.Y. 2021
2,121	47,047	1,723	4,365	379,830	73,125	240,486	260,506	F.Y. 2019
7,863	38,995	873	4,467	328,907	74,396	194,516	210,824	F.Y. 2020
626	6,771	128	1,132	81,709	18,250	48,543	52,648	Q1 2021
622	10,675	136	1,042	82,546	16,325	51,621	56,000	Q2
501	10,449	153	1,206	87,033	16,809	54,923	59,579	Q3
467	9,779	144	1,218	87,989	16,430	56,203	60,985	Q4
316	2,295	42	392	27,758	6,288	16,376	17,768	Jan. 2021
149	2,175	50	350	26,487	6,099	15,505	16,823	Feb.
161	2,301	36	390	27,464	5,863	16,662	18,057	Mar.
179	3,125	44	382	27,045	5,318	16,955	18,388	Apr.
269	3,915	54	275	27,622	5,412	17,335	18,806	May
174	3,635	38	385	27,879	5,595	17,331	18,805	Jun.
180	3,595	51	402	28,852	5,658	18,109	19,636	Jul.
174	3,671	50	402	29,174	5,723	18,302	19,854	Aug.
147	3,183	52	402	29,007	5,428	18,512	20,089	Sep.
162	3,301	38	404	29,317	5,467	18,736	20,329	Oct.
156	3,237	59	403	29,265	5,427	18,739	20,333	Nov.
149	3,241	47	411	29,407	5,535	18,728	20,323	Dec.

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	Year, Quarter &Month
83,267	300,654	48	1,036,372	-	3,107	84,202,888	40,592,230	C.Y. 2017
93,751	302,655	47	910,101	-	3,199	83,656,725	40,222,595	C.Y. 2018
72,964	270,488	34	918,971	-	2,292	81,904,251	40,071,674	C.Y. 2019
70,803	238,410	32	770,165	-	2,680	71,041,400	35,620,727	C.Y. 2020
82,668	239,043	46	499,213	-	1,438	77,880,087	38,175,446	C.Y. 2021
69,548	259,099	33	937,518	-	2,467	81,870,592	40,448,935	F.Y. 2019
72,103	244,427	35	631,905	-	2,479	70,125,142	34,768,839	F.Y. 2020
18,457	64,755	11	113,807	-	405	19,474,852	9,395,983	Q1 2021
18,500	58,898	9	70,447	-	387	19,400,085	9,483,075	Q2
22,027	59,578	15	143,409	-	333	19,620,779	9,593,525	Q3
23,684	55,812	11	171,550	-	313	19,384,371	9,702,863	Q4
8,314	21,428	3	45,526	-	113	6,691,651	3,239,395	Jan. 2021
5,044	20,403	3	37,952	-	153	6,053,557	2,898,678	Feb.
5,099	22,924	5	30,329	-	139	6,729,644	3,257,910	Mar.
5,713	18,044	3	23,796	-	159	6,317,433	3,107,460	Apr.
6,394	20,570	3	24,750	-	129	6,662,594	3,239,982	May
6,393	20,284	3	21,901	-	99	6,420,058	3,135,633	Jun.
7,750	17,319	5	30,375	-	77	6,580,779	3,193,699	Jul.
7,144	19,524	5	54,749	-	109	6,582,887	3,215,351	Aug.
7,133	22,735	5	58,285	-	147	6,457,112	3,184,475	Sep.
8,111	18,614	3	31,601	-	103	6,464,880	3,289,972	Oct.
8,201	19,187	5	96,247	-	117	6,293,731	3,130,870	Nov.
7,372	18,011	3	43,702	-	93	6,625,759	3,282,021	Dec.

液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry)t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
440,141	2,055,076	2,244,777	10,889,674	31,122	10,811	196,250	-	C.Y. 2017
417,536	2,206,752	2,407,940	11,042,190	24,686	8,409	202,795	-	C.Y. 2018
394,456	2,080,758	2,270,685	10,428,373	28,018	11,814	201,722	-	C.Y. 2019
339,540	1,840,204	2,008,836	8,369,666	30,222	8,598	208,947	-	C.Y. 2020
374,920	2,081,540	2,273,995	10,201,670	28,819	5,736	224,655	-	C.Y. 2021
388,403	1,994,651	2,176,947	10,408,020	31,628	12,047	211,010	-	F.Y. 2019
338,407	1,881,922	2,054,825	8,344,506	29,200	8,471	207,316	-	F.Y. 2020
95,194	539,587	589,322	2,528,998	9,747	2,450	53,457	-	Q1 2021
89,854	497,846	543,715	2,537,565	4,955	2,330	56,422	-	Q2
95,994	522,304	570,498	2,567,149	8,203	79	55,966	-	Q3
93,878	521,803	570,460	2,567,958	5,914	877	58,810	-	Q4
32,098	178,368	194,757	863,224	3,541	541	18,564	-	Jan. 2021
30,263	177,990	194,464	781,051	3,516	851	15,693	-	Feb.
32,833	183,229	200,101	884,723	2,690	1,058	19,200	-	Mar.
31,321	174,135	190,168	805,862	-	837	18,702	-	Apr.
29,733	163,110	178,219	884,399	1,581	636	19,366	-	May
28,800	160,601	175,328	847,304	3,374	857	18,354	-	Jun.
31,042	178,105	194,557	844,562	2,653	32	19,276	-	Jul.
32,041	171,805	187,659	858,064	2,805	20	18,183	-	Aug.
32,911	172,394	188,282	864,523	2,745	27	18,507	-	Sep.
30,971	172,410	188,441	863,057	1,228	597	18,989	-	Oct.
31,230	175,532	191,911	861,864	2,429	244	19,593	-	Nov.
31,677	173,861	190,108	843,037	2,257	36	20,228	-	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Year, Quarter &Month
243,432	280,604	-	290,271	48	653,180	-	3,107	C.Y. 2017
243,558	182,348	-	292,640	47	569,290	-	3,199	C.Y. 2018
188,873	160,207	-	257,146	34	657,343	-	2,292	C.Y. 2019
195,341	138,126	-	230,934	32	503,458	-	2,680	C.Y. 2020
160,503	156,026	-	227,479	46	282,145	-	1,438	C.Y. 2021
178,624	160,617	-	245,997	33	662,027	-	2,467	F.Y. 2019
192,373	136,437	-	236,039	35	396,881	-	2,479	F.Y. 2020
44,672	37,096	-	61,510	11	58,845	-	405	Q1 2021
37,675	33,681	-	54,836	9	41,745	-	387	Q2
39,960	37,896	-	57,020	15	93,971	-	333	Q3
38,196	47,353	-	54,113	11	87,584	-	313	Q4
14,065	15,926	-	20,620	3	18,484	-	113	Jan. 2021
13,911	9,566	-	19,207	3	17,898	-	153	Feb.
16,696	11,604	-	21,683	5	22,463	-	139	Mar.
12,932	10,840	-	17,287	3	14,108	-	159	Apr.
11,957	10,632	-	19,041	3	14,350	-	129	May
12,786	12,209	-	18,508	3	13,287	-	99	Jun.
13,867	14,581	-	16,723	5	14,985	-	77	Jul.
12,689	12,061	-	18,991	5	37,628	-	109	Aug.
13,404	11,254	-	21,306	5	41,358	-	147	Sep.
12,789	17,412	-	18,347	3	23,809	-	103	Oct.
12,836	16,083	-	18,056	5	35,681	-	117	Nov.
12,571	13,858	-	17,710	3	28,094	-	93	Dec.

		鉄鋼製品計(つづき) Iron and steel products total (continued)							→
年 月	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	
	kl	t	t	t	t	1000m ³	1000m ³	1000m ³	
平成 29 年	53,597,860	4,182,011	15,781,613	31,042,991	-	7,823,059	69,573,547	4,631,912	
30 年	53,358,721	4,166,075	15,893,082	30,822,204	-	7,758,947	66,853,305	4,478,729	
令和 1 年	51,679,931	3,999,845	14,806,812	30,298,703	-	7,636,696	66,305,746	4,297,864	
2 年	43,403,203	2,713,398	12,521,004	25,704,209	-	7,090,797	53,375,487	3,671,418	
3 年	49,251,427	3,874,869	15,011,710	28,064,467	-	7,608,457	60,146,699	3,882,418	
令和 1 年度	51,479,146	4,160,534	15,024,114	29,960,061	-	7,631,651	64,977,751	4,365,752	
2 年	43,092,227	2,547,119	12,599,112	25,467,589	-	7,098,813	52,678,929	3,551,364	
3 年 1~3月	12,403,716	922,461	3,860,054	29,960,061	-	1,906,284	14,957,870	984,216	
4~6	12,273,738	965,356	3,672,049	25,467,589	-	1,910,973	15,524,039	978,018	
7~9	12,457,442	997,224	3,789,055	7,062,962	-	1,894,821	15,271,509	1,008,640	
10~12	12,116,531	989,828	3,690,552	7,014,445	-	1,896,379	14,393,281	911,544	
3 年 1月	4,243,448	303,301	1,355,487	2,397,568	-	664,096	5,172,002	319,806	
2 年	3,857,183	271,531	1,191,639	2,214,839	-	578,121	4,645,795	307,993	
3 年	4,303,085	347,629	1,312,928	2,450,555	-	664,067	5,140,073	356,417	
4 年	3,965,365	291,435	1,150,921	2,297,939	-	620,798	5,027,064	302,817	
5 年	4,234,458	349,938	1,251,492	2,420,102	-	657,515	5,432,801	345,119	
6 年	4,073,915	323,983	1,269,636	2,296,404	-	632,660	5,064,174	330,082	
7 年	4,176,892	307,864	1,283,507	2,398,730	-	633,630	5,129,978	332,975	
8 年	4,184,383	337,895	1,265,116	2,389,358	-	640,197	5,196,036	328,937	
9 年	4,096,167	351,465	1,240,432	2,315,896	-	620,994	4,945,495	346,728	
10 年	4,021,119	356,954	1,197,437	2,278,455	-	635,815	4,721,890	314,355	
11 年	3,921,923	292,625	1,188,488	2,258,973	-	616,966	4,524,433	284,485	
12 年	4,173,490	340,249	1,304,627	2,345,648	-	643,598	5,146,958	312,704	

		鉄鋼製品計(つづき) Iron and steel products total (continued)				焼結鉱用 for Sintering				→
年 月	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil		
	t	t	1000kWh	t	kl	kl	kl	kl		
平成 29 年	33,853	-	62,868,567	81,661,214	4,329,670	2,782	-	-		
30 年	41,124	-	62,399,429	79,018,546	4,394,689	19,026	-	-		
令和 1 年	33,924	-	60,380,873	78,884,554	4,256,963	1,651	-	-		
2 年	30,587	-	53,646,496	71,826,389	3,707,507	749	-	-		
3 年	36,443	-	59,009,466	72,162,323	4,285,044	840	-	-		
令和 1 年度	35,971	-	59,774,832	79,392,084	4,290,729	1,462	-	-		
2 年	31,044	-	53,382,493	70,775,444	3,669,908	733	-	-		
3 年 1~3月	8,719	-	14,367,499	18,887,561	1,068,094	243	-	-		
4~6	9,266	-	14,667,050	17,455,945	1,079,157	230	-	-		
7~9	9,531	-	14,985,525	18,160,494	1,057,627	367	-	-		
10~12	8,927	-	14,989,392	17,658,323	1,080,166	-	-	-		
3 年 1月	3,116	-	4,814,449	6,551,051	368,047	86	-	-		
2 年	2,673	-	4,545,514	5,927,734	335,929	71	-	-		
3 年	2,930	-	5,007,536	6,408,776	364,119	85	-	-		
4 年	3,104	-	4,760,335	5,780,422	354,946	78	-	-		
5 年	2,914	-	4,985,197	5,851,426	372,483	80	-	-		
6 年	3,248	-	4,921,518	5,824,097	351,728	71	-	-		
7 年	3,236	-	5,057,606	6,092,875	340,897	99	-	-		
8 年	3,032	-	4,953,077	6,134,199	363,092	115	-	-		
9 年	3,263	-	4,974,842	5,933,420	353,638	153	-	-		
10 年	2,953	-	5,046,422	6,000,720	356,505	-	-	-		
11 年	2,541	-	4,965,850	5,608,271	348,143	-	-	-		
12 年	3,433	-	4,977,120	6,049,332	375,517	-	-	-		

		焼結鉱用(つづき) for Sintering (continued)								→
年 月	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	電力 Electricity		
	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	t	1000kWh		
平成 29 年	247,148	88,662	24,466	7	8,776	9,694	-	4,125,260		
30 年	251,223	91,033	20,174	17	10,266	11,374	-	4,165,128		
令和 1 年	249,958	85,195	18,094	8	9,642	10,698	-	4,159,659		
2 年	218,466	87,107	15,096	63	4,013	4,419	-	3,906,849		
3 年	269,540	107,220	15,435	2	3,773	4,129	-	4,256,247		
令和 1 年度	248,971	85,610	17,600	10	8,720	9,675	-	4,183,900		
2 年	220,531	93,955	13,595	61	3,059	3,348	-	3,887,171		
3 年 1~3月	64,968	27,482	2,901	-	880	962	-	1,045,347		
4~6	67,950	26,146	3,741	-	773	846	-	1,067,176		
7~9	68,976	25,523	4,137	1	1,047	1,146	-	1,074,847		
10~12	67,646	28,069	4,656	1	1,073	1,175	-	1,068,877		
3 年 1月	22,365	10,132	868	-	313	342	-	367,589		
2 年	19,574	8,642	1,035	-	361	395	-	323,274		
3 年	23,029	8,708	998	-	206	225	-	354,484		
4 年	20,806	9,140	1,054	-	394	431	-	349,403		
5 年	24,795	9,239	1,141	-	185	203	-	365,637		
6 年	22,349	7,767	1,546	-	194	212	-	352,136		
7 年	22,315	8,401	1,447	-	441	483	-	355,075		
8 年	23,662	9,669	1,353	-	380	416	-	367,324		
9 年	22,999	7,453	1,337	1	226	247	-	352,448		
10 年	22,508	9,221	1,511	-	371	406	-	356,735		
11 年	21,866	8,550	1,407	-	388	425	-	344,680		
12 年	23,272	10,298	1,738	1	314	344	-	367,462		

電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry)t	廃タイヤ Used tires t	Year, Quarter & Month
74,887	24,005	437,044	1,963,398	2,144,481	10,883,380	31,122	10,811	C.Y. 2017
73,835	26,220	414,676	2,116,245	2,308,925	11,037,770	24,686	8,409	C.Y. 2018
71,897	24,975	393,804	1,999,064	2,181,319	10,425,719	28,018	11,814	C.Y. 2019
71,276	22,176	339,211	1,770,314	1,932,384	8,366,212	30,222	8,598	C.Y. 2020
80,266	23,842	374,765	2,011,335	2,197,192	10,199,191	28,819	5,736	C.Y. 2021
75,032	24,053	387,947	1,917,263	2,092,296	10,405,326	31,628	12,047	F.Y. 2019
68,356	21,938	338,219	1,812,497	1,973,875	8,341,072	29,200	8,471	F.Y. 2020
20,437	5,751	95,147	520,683	568,641	2,528,352	9,747	2,450	Q1 2021
22,085	6,363	89,819	481,479	525,810	2,536,958	4,955	2,330	Q2
13,512	5,465	95,958	505,617	552,244	2,566,593	8,203	79	Q3
24,232	6,263	93,841	503,556	550,497	2,567,288	5,914	877	Q4
6,448	1,795	32,083	172,482	188,316	863,012	3,541	541	Jan. 2021
5,990	1,859	30,247	171,419	187,276	780,835	3,516	851	Feb.
7,999	2,097	32,817	176,782	193,049	884,505	2,690	1,058	Mar.
8,226	2,069	31,310	168,501	184,005	805,637	-	837	Apr.
7,599	2,124	29,722	157,835	172,447	884,193	1,581	636	May
6,260	2,170	28,787	155,143	169,358	847,128	3,374	857	Jun.
7,806	1,774	31,030	172,501	188,424	844,403	2,653	32	Jul.
4,269	1,621	32,029	166,438	181,790	857,889	2,805	20	Aug.
1,437	2,070	32,899	166,678	182,030	864,301	2,745	27	Sep.
7,474	2,014	30,960	166,473	181,947	862,855	1,228	597	Oct.
9,447	2,181	31,218	169,305	185,098	861,626	2,429	244	Nov.
7,311	2,068	31,663	167,778	183,452	842,807	2,257	36	Dec.

重油計 Heavy fuel oil total kl	B・C重油 Heavy fuel oil B・C kl	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter & Month
-	-	3,601	-	3,930,807	-	1,065,559	4,034,546	C.Y. 2017
-	-	24,625	-	3,976,251	-	1,102,768	4,057,499	C.Y. 2018
-	-	2,137	-	3,856,776	-	1,054,145	3,945,877	C.Y. 2019
-	-	969	-	3,331,228	-	952,373	3,374,961	C.Y. 2020
-	-	976	-	3,875,703	-	1,251,124	3,833,881	C.Y. 2021
-	-	1,892	-	3,888,515	-	1,121,119	3,931,338	F.Y. 2019
-	-	917	-	3,295,173	-	924,253	3,362,739	F.Y. 2020
-	-	282	-	967,046	-	289,613	978,797	Q1 2021
-	-	267	-	976,465	-	336,649	947,034	Q2
-	-	427	-	954,466	-	292,147	956,547	Q3
-	-	-	-	977,726	-	332,715	951,503	Q4
-	-	100	-	332,485	-	109,197	327,781	Jan. 2021
-	-	83	-	304,649	-	92,002	308,124	Feb.
-	-	99	-	329,912	-	88,414	342,892	Mar.
-	-	91	-	321,291	-	105,614	317,102	Apr.
-	-	93	-	337,266	-	121,130	321,949	May
-	-	83	-	317,908	-	109,905	307,983	Jun.
-	-	115	-	306,830	-	83,286	316,747	Jul.
-	-	134	-	327,867	-	98,181	330,438	Aug.
-	-	178	-	319,769	-	110,680	309,362	Sep.
-	-	-	-	322,383	-	125,620	299,256	Oct.
-	-	-	-	315,125	-	90,462	321,748	Nov.
-	-	-	-	340,218	-	116,633	330,499	Dec.

蒸気 Steam t	for Pelletizing							Year, Quarter & Month
	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	重油計 Heavy fuel oil total kl	B・C重油 Heavy fuel oil B・C kl	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	
178,454	159,133	2,789	2,576	2,576	-	131,450	108,064	C.Y. 2017
173,022	157,062	3,295	3,043	3,043	-	129,229	118,382	C.Y. 2018
167,692	170,972	1,580	1,441	1,441	-	145,169	128,714	C.Y. 2019
175,090	225,056	2,144	1,980	1,980	-	199,396	177,073	C.Y. 2020
181,867	177,285	1,526	1,413	1,413	-	152,480	116,120	C.Y. 2021
167,133	185,483	1,860	1,718	1,718	-	158,665	131,195	F.Y. 2019
179,452	220,121	1,998	1,846	1,846	-	195,397	174,879	F.Y. 2020
51,561	51,455	442	409	409	-	44,832	32,822	Q1 2021
46,154	46,384	280	259	259	-	40,261	30,722	Q2
40,613	43,666	333	308	308	-	37,289	28,002	Q3
43,539	35,781	472	437	437	-	30,098	24,574	Q4
18,540	18,970	114	106	106	-	16,618	12,066	Jan. 2021
16,446	14,826	170	157	157	-	12,863	9,013	Feb.
16,575	17,658	158	146	146	-	15,352	11,743	Mar.
15,533	17,503	119	110	110	-	15,270	11,829	Apr.
16,266	11,017	89	82	82	-	9,324	7,983	May
14,355	17,864	72	67	67	-	15,667	10,910	Jun.
13,568	15,622	98	91	91	-	13,589	8,018	Jul.
13,596	12,321	97	90	90	-	10,273	8,994	Aug.
13,449	15,723	137	127	127	-	13,427	10,990	Sep.
13,571	14,153	147	136	136	-	11,856	10,748	Oct.
13,818	5,511	27	25	25	-	4,692	2,564	Nov.
16,150	16,117	298	276	276	-	13,551	11,262	Dec.

年 月	for Pelletizing (continued)						for Pig iron →	
	pellets用(つづき)	コークス炉	廃プラスチック	RPF	電力	蒸気	計	石油系燃料
	(ピッチコークスを含む) Coal coke (including pitch coke) t	ガス Coke oven gas 1000m ³	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	(原油換算) Total (Crude petroleum equivalent) kl	(原油換算) Oil based fuels (Crude petroleum equivalent) kl
平成 29 年	63,621	20,826	-	-	263,671	5,300	35,651,982	517,778
30 年	50,404	22,600	-	-	256,748	9,470	35,374,924	439,939
令和 1 年	63,047	21,635	-	-	253,646	9,380	34,305,294	518,981
2 年	93,898	19,207	-	-	245,263	10,140	28,001,104	401,189
3 年	85,690	18,977	-	-	239,511	14,450	32,043,923	250,185
令和 1 年度	80,432	19,144	-	-	261,249	9,480	34,209,129	523,254
2 年	90,681	19,110	-	-	236,594	10,390	27,620,090	318,590
3 年 1~3月	26,530	5,369	-	-	64,230	2,975	7,976,976	48,736
4~6	23,281	3,995	-	-	60,751	2,775	8,034,036	40,081
7~9	20,592	5,668	-	-	62,049	3,945	8,106,965	85,496
10~12	15,287	3,945	-	-	52,481	4,755	7,925,946	75,872
3 年 1月	10,011	1,865	-	-	23,204	1,155	2,728,949	16,357
2	7,823	1,758	-	-	18,586	935	2,470,554	15,822
3	8,696	1,746	-	-	22,440	885	2,777,473	16,557
4	8,812	1,313	-	-	22,103	845	2,592,121	13,512
5	4,381	1,252	-	-	16,588	895	2,794,327	12,871
6	10,088	1,430	-	-	22,060	1,035	2,647,588	13,698
7	9,504	2,021	-	-	19,482	1,765	2,703,403	15,153
8	4,334	1,829	-	-	19,969	1,355	2,726,308	34,086
9	6,754	1,818	-	-	22,598	825	2,677,255	36,257
10	5,158	1,414	-	-	21,873	1,675	2,659,749	20,989
11	3,737	309	-	-	7,561	1,285	2,580,312	30,705
12	6,392	2,222	-	-	23,047	1,795	2,685,884	24,178

年 月	for Pig iron (continued) →							
	非石油系燃料	コークス製造用炭	石炭	石炭コークス	コークス炉	高炉ガス	転炉ガス	液化天然ガス
	(原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	(原料炭) Coal for making coke (material coal) t	Coal t	(ピッチコークスを含む) Coal coke (including pitch coke) t	ガス Coke oven gas 1000m ³	Blast furnace gas 1000m ³	Converter furnace gas 1000m ³	Liquefied natural gas t
平成 29 年	34,333,012	4,182,011	10,005,945	26,304,825	1,088,104	31,301,823	1,245,392	2,764
30 年	34,143,059	4,166,075	10,035,269	26,084,700	1,077,650	30,811,632	1,168,677	3,844
令和 1 年	32,959,404	3,999,837	9,232,186	25,657,359	1,055,838	29,428,034	1,231,797	4,065
2 年	26,907,536	2,712,753	7,347,364	21,694,695	951,855	24,171,551	1,007,491	2,747
3 年	31,078,900	3,858,467	9,414,288	23,586,315	1,005,980	27,202,573	1,090,088	155
令和 1 年度	32,874,538	4,160,533	9,333,170	25,315,908	1,059,672	29,300,904	1,224,843	4,555
2 年	26,618,689	2,546,474	7,404,828	21,505,457	963,321	23,625,872	988,551	1,620
3 年 1~3月	7,746,952	922,461	2,336,280	5,927,077	257,602	6,760,850	275,667	18
4~6	7,807,271	965,319	2,401,916	5,902,159	252,144	6,817,234	272,712	5
7~9	7,833,880	980,859	2,309,055	5,988,071	244,505	6,913,358	289,575	44
10~12	7,690,797	989,828	2,367,037	5,769,008	251,729	6,711,131	252,134	88
3 年 1月	2,652,944	303,301	827,556	2,015,913	87,258	2,313,454	98,454	14
2	2,399,793	271,531	711,274	1,859,403	82,606	2,114,440	82,685	4
3	2,694,215	347,629	797,450	2,051,761	87,738	2,332,956	94,528	-
4	2,518,098	291,435	774,059	1,925,192	83,934	2,189,674	88,614	-
5	2,717,669	349,938	832,289	2,045,081	85,473	2,376,897	94,038	-
6	2,571,504	323,946	795,568	1,931,886	82,737	2,250,663	90,060	5
7	2,626,727	307,784	784,133	2,023,772	82,618	2,307,085	101,099	1
8	2,628,184	337,895	762,992	2,008,236	81,247	2,338,867	96,202	10
9	2,578,969	335,180	761,930	1,956,063	80,640	2,267,406	92,274	33
10	2,586,281	356,954	788,306	1,926,205	84,202	2,219,918	89,020	3
11	2,497,489	292,625	791,103	1,881,047	81,772	2,179,552	83,014	67
12	2,607,028	340,249	787,628	1,961,756	85,755	2,311,661	80,100	18

年 月	for Ferro-alloys (continued) →							
	石油系燃料	灯油	軽油	重油計	A重油	B・C重油	液化石油ガス	再生油
	(原油換算) Oil based fuels (Crude petroleum equivalent) kl	Kerosene kl	Gas oil kl	Heavy fuel oil total kl	Heavy fuel oil A kl	Heavy fuel oil B・C kl	Liquefied petroleum gas t	Reproduction oil (Oil origin) t
平成 29 年	48,539	820	790	37,357	4,401	32,956	3,084	2,711
30 年	45,942	948	740	35,193	5,011	30,182	2,796	2,803
令和 1 年	32,543	943	710	23,992	4,131	19,861	2,522	1,896
2 年	21,011	413	543	14,841	4,292	10,549	1,494	2,283
3 年	31,712	550	561	25,682	5,256	20,426	1,711	1,042
令和 1 年度	29,332	825	666	21,358	3,863	17,495	2,213	2,071
2 年	23,225	391	538	17,286	4,958	12,328	1,401	2,082
3 年 1~3月	8,056	91	124	6,564	1,462	5,102	425	306
4~6	8,404	123	132	6,886	1,265	5,621	399	288
7~9	7,196	174	148	5,737	1,176	4,561	413	234
10~12	8,057	162	157	6,495	1,353	5,142	474	214
3 年 1月	2,398	31	48	1,899	425	1,474	169	80
2	2,700	34	34	2,219	501	1,718	116	120
3	2,959	26	42	2,446	536	1,910	140	106
4	2,750	38	38	2,228	322	1,906	126	126
5	2,930	37	40	2,429	509	1,920	132	96
6	2,724	48	54	2,229	434	1,795	141	66
7	2,571	61	58	2,080	303	1,777	144	44
8	2,311	59	52	1,834	420	1,414	136	76
9	2,314	54	38	1,823	453	1,370	133	114
10	2,390	60	50	1,892	354	1,538	150	70
11	2,747	57	52	2,219	512	1,707	152	84
12	2,920	45	55	2,384	487	1,897	172	60

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Year, Quarter &Month
21	2,103	943	1,160	10,420	649,579	-	-	C.Y. 2017
26	2,944	1,063	1,881	12,181	544,665	-	-	C.Y. 2018
30	1,303	966	337	8,679	655,206	-	-	C.Y. 2019
24	2,336	562	1,774	8,806	501,052	-	-	C.Y. 2020
33	5,430	387	5,043	4,669	276,911	-	-	C.Y. 2021
31	1,781	873	908	8,633	660,135	-	-	F.Y. 2019
25	1,678	541	1,137	8,013	390,269	-	-	F.Y. 2020
7	148	148	-	1,431	54,305	-	-	Q1 2021
7	1,772	125	1,647	1,915	41,478	-	-	Q2
10	3,048	96	2,952	1,321	93,544	-	-	Q3
9	462	18	444	2	87,584	-	-	Q4
3	53	53	-	372	18,384	-	-	Jan. 2021
2	47	47	-	343	17,815	-	-	Feb.
2	48	48	-	716	18,106	-	-	Mar.
2	420	41	379	771	14,017	-	-	Apr.
2	158	33	125	335	14,257	-	-	May
3	1,194	51	1,143	809	13,204	-	-	Jun.
3	1,763	26	1,737	350	14,870	-	-	Jul.
4	1,260	45	1,215	357	37,494	-	-	Aug.
3	25	25	-	614	41,180	-	-	Sep.
2	462	18	444	2	23,809	-	-	Oct.
3	-	-	-	-	35,681	-	-	Nov.
4	-	-	-	-	28,094	-	-	Dec.

都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	フェロアロイ用 計 (原油換算) Total (Crude petroleum equivalent) kl	Year, Quarter &Month
64,376	70,482	4,564,060	25,960	-	5,396,506	4,328,487	844,172	C.Y. 2017
59,346	64,983	4,752,247	32,617	-	5,273,949	4,359,372	875,999	C.Y. 2018
50,883	55,716	4,390,023	26,761	-	5,243,597	4,906,326	854,230	C.Y. 2019
32,041	35,085	3,154,897	23,627	-	4,675,432	3,724,674	664,901	C.Y. 2020
54,527	59,712	4,432,463	30,406	-	5,022,200	3,582,918	742,625	C.Y. 2021
44,858	49,122	4,400,343	28,969	-	5,261,224	4,657,321	839,254	F.Y. 2019
37,617	41,192	3,165,077	24,668	-	4,628,819	3,648,974	627,068	F.Y. 2020
14,660	16,055	1,088,471	7,275	-	1,231,691	965,148	161,481	Q1 2021
13,284	14,548	1,100,072	7,938	-	1,246,991	1,022,625	183,620	Q2
13,708	15,011	1,122,292	8,108	-	1,289,595	978,372	187,223	Q3
12,875	14,098	1,121,628	7,085	-	1,253,923	616,773	210,301	Q4
4,786	5,241	379,994	2,410	-	422,485	294,374	56,886	Jan. 2021
4,811	5,269	328,988	2,199	-	382,480	280,073	47,455	Feb.
5,063	5,545	379,489	2,666	-	426,726	390,701	57,140	Mar.
4,550	4,983	344,171	2,729	-	403,508	332,389	57,958	Apr.
4,524	4,955	386,529	2,416	-	429,428	344,901	63,089	May
4,210	4,610	369,372	2,793	-	414,055	345,335	62,574	Jun.
4,113	4,504	362,503	2,810	-	432,144	308,486	68,940	Jul.
4,246	4,650	382,832	2,552	-	433,431	343,139	63,841	Aug.
5,349	5,857	376,957	2,746	-	424,020	326,747	54,442	Sep.
4,217	4,618	380,078	2,263	-	422,691	190,381	65,289	Oct.
3,900	4,270	368,776	2,064	-	407,616	205,443	73,759	Nov.
4,758	5,210	372,774	2,758	-	423,616	220,949	71,253	Dec.

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) t	石炭 Coal kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) kl	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	Year, Quarter &Month
577,428	491,425	308,124	-	2,862	699	3,189	7,991	C.Y. 2017
601,389	526,114	309,272	-	3,000	868	3,208	4,519	C.Y. 2018
588,046	505,293	307,993	-	3,074	1,001	3,365	8,635	C.Y. 2019
462,326	364,332	272,560	-	3,087	1,068	3,121	4,841	C.Y. 2020
512,132	397,666	302,525	-	3,035	1,198	2,507	6,052	C.Y. 2021
581,103	497,614	305,955	-	3,103	1,004	3,436	9,754	F.Y. 2019
436,082	336,572	262,979	-	3,122	1,143	2,944	1,753	F.Y. 2020
112,103	83,916	68,982	-	787	298	675	-	Q1 2021
124,457	90,704	78,964	-	748	305	585	1,686	Q2
130,853	105,492	73,734	-	716	270	596	2,126	Q3
144,720	117,554	80,845	-	784	325	651	2,240	Q4
39,876	31,179	23,390	-	280	103	246	-	Jan. 2021
32,853	24,721	20,150	-	240	98	189	-	Feb.
39,374	28,016	25,442	-	267	97	240	-	Mar.
40,064	28,977	25,492	-	259	119	173	822	Apr.
42,733	31,593	26,914	-	254	93	210	11	May
41,659	30,134	26,558	-	235	93	202	853	Jun.
47,441	36,552	28,364	-	243	100	194	695	Jul.
44,798	37,275	24,204	-	238	81	215	743	Aug.
38,613	31,665	21,166	-	235	89	187	688	Sep.
44,490	35,944	24,920	-	255	107	210	976	Oct.
50,671	39,813	29,483	-	263	118	220	1,100	Nov.
49,559	41,797	26,442	-	266	100	221	164	Dec.

年 月	フェロアロイ用(つづき) for Ferro-alloys (continued)							
	液化天然ガス	都市ガス (A)	都市ガス (B)	酸素	廃プラスチック	RPF	電力	蒸気
	Liquefied natural gas t	Town gas(A) 1000m ³	Town gas(B) 1000m ³	Oxygen 1000Nm ³	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t
平成 29 年	2,107	145	159	52,733	142	-	2,322,325	31,462
30 年	2,193	696	761	52,295	186	-	2,433,432	33,296
令和 1 年	2,111	1,290	1,411	51,904	148	-	2,486,650	33,636
2 年	1,986	534	582	34,546	46	-	1,927,579	32,617
3 年	2,064	1,080	1,178	50,412	334	-	2,111,927	33,595
令和 1 年度	2,374	991	1,084	48,537	183	-	2,434,979	33,404
2 年	1,813	454	493	36,496	38	-	1,778,929	32,966
3 年 1~3月	618	150	163	11,718	38	-	437,705	8,755
4~6	432	227	247	12,570	23	-	539,468	8,340
7~9	387	395	431	13,304	20	-	522,784	7,861
10~12	627	308	337	12,820	253	-	611,970	8,639
3 年 1月	303	3	3	3,699	-	-	154,789	3,086
2	144	4	4	3,635	38	-	125,994	2,642
3	171	143	156	4,384	-	-	156,922	3,027
4	138	96	105	4,084	-	-	160,696	2,833
5	157	8	8	4,505	13	-	185,226	2,817
6	137	123	134	3,981	10	-	193,546	2,690
7	139	140	153	4,576	8	-	201,428	2,757
8	165	131	143	4,315	6	-	177,929	2,598
9	83	124	135	4,413	6	-	143,427	2,506
10	191	107	117	4,148	24	-	195,791	2,847
11	181	150	164	4,403	72	-	216,551	2,836
12	255	51	56	4,269	157	-	199,628	2,956

年 月	製鋼用計(つづき) for Steelmaking total (continued)							
	液化石油ガス	オイルコークス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	コークス製造用炭 (原料炭)	石炭	石炭コークス (ピッチコークスを含む)
	Liquefied petroleum gas t	Petroleum coke t	Asphalt t	Reproduction oil (Oil origin) kl	Non-oil based fuels (Crude petroleum equivalent) kl	Coal for making coke (material coal) t	Coal t	Coal coke (including pitch coke) kl
平成 29 年	83,005	-	-	396	1,895,978	-	485,499	213,376
30 年	79,937	-	-	396	1,883,143	-	480,887	215,207
令和 1 年	75,768	-	-	396	1,807,228	-	454,206	212,810
2 年	65,072	-	-	396	1,579,359	-	413,729	190,239
3 年	56,681	-	-	396	1,767,007	-	461,747	201,529
令和 1 年度	75,280	-	-	396	1,799,574	-	457,130	211,708
2 年	61,784	-	-	396	1,578,752	-	420,317	185,429
3 年 1~3月	15,499	-	-	99	446,568	-	122,001	48,890
4~6	14,792	-	-	99	436,262	-	108,704	49,129
7~9	13,750	-	-	99	442,168	-	118,514	50,462
10~12	12,640	-	-	99	442,009	-	112,528	53,048
3 年 1月	5,278	-	-	33	144,479	-	32,136	16,154
2	4,671	-	-	33	140,885	-	38,890	15,499
3	5,550	-	-	33	161,204	-	50,975	17,237
4	4,922	-	-	33	142,736	-	36,234	16,493
5	5,033	-	-	33	150,039	-	37,097	17,443
6	4,837	-	-	33	143,487	-	35,373	15,193
7	4,459	-	-	33	143,375	-	35,849	16,114
8	4,543	-	-	33	144,827	-	36,707	16,845
9	4,748	-	-	33	153,966	-	45,958	17,503
10	4,181	-	-	33	151,075	-	39,277	18,585
11	3,849	-	-	33	145,570	-	36,230	18,624
12	4,610	-	-	33	145,364	-	37,021	15,839

年 月	製鋼用計(つづき) for Steelmaking total (continued)					製鋼用(転炉) for Steelmaking (LD converters)		
	廃タイヤ	廃プラスチック	RPF	電力	蒸気	計 (原油換算)	石油系燃料 (原油換算)	灯油
	Used tires t	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	Total (Crude petroleum equivalent) kl	Oil based fuels (Crude petroleum equivalent) kl	Kerosene kl
平成 29 年	10,811	7,751	-	17,602,257	3,481,887	2,282,272	114,046	406
30 年	8,409	8,321	-	17,903,563	3,542,088	2,264,071	113,510	406
令和 1 年	11,814	7,015	-	16,900,949	3,393,936	2,191,539	108,591	350
2 年	8,598	6,914	-	14,842,760	2,898,151	1,917,613	92,159	237
3 年	5,736	5,703	-	16,734,167	3,338,112	2,090,822	77,835	363
令和 1 年度	12,047	6,819	-	16,509,553	3,363,914	2,190,319	107,159	336
2 年	8,471	6,338	-	14,912,252	2,915,948	1,903,839	87,284	237
3 年 1~3月	2,450	1,406	-	4,042,509	866,502	532,942	21,557	70
4~6	2,330	1,305	-	4,231,282	833,700	517,755	20,517	98
7~9	79	1,403	-	4,164,796	830,574	528,836	19,029	97
10~12	877	1,589	-	4,295,580	807,336	511,288	16,732	98
3 年 1月	541	706	-	1,303,760	295,915	177,024	7,355	28
2	851	436	-	1,308,270	271,729	166,666	6,517	28
3	1,058	264	-	1,430,479	298,858	189,252	7,684	14
4	837	375	-	1,379,029	271,855	169,527	6,874	28
5	636	485	-	1,430,211	286,215	178,154	6,933	28
6	857	445	-	1,422,042	275,630	170,075	6,710	42
7	32	418	-	1,385,092	271,182	173,358	6,188	27
8	20	474	-	1,331,962	279,407	176,340	6,289	28
9	27	511	-	1,447,742	279,985	179,137	6,552	42
10	597	666	-	1,463,350	265,207	173,979	5,532	28
11	244	405	-	1,450,840	265,126	165,116	5,109	42
12	36	518	-	1,381,390	277,003	172,193	6,092	28

製鋼用計 for Steelmaking total								Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	
kl	kl	kl	kl	kl	kl	kl	kl	
3,925,403	151,333	7,958	1,684	32,318	30,590	1,728	-	C.Y. 2017
3,931,894	138,469	8,440	1,554	23,245	21,517	1,728	-	C.Y. 2018
3,743,488	129,485	8,543	1,711	19,521	17,793	1,728	-	C.Y. 2019
3,272,867	112,461	8,085	1,515	17,187	15,459	1,728	-	C.Y. 2020
3,654,840	100,432	8,726	1,745	16,480	14,752	1,728	-	C.Y. 2021
3,695,349	127,484	8,425	1,702	18,294	16,566	1,728	-	F.Y. 2019
3,275,334	107,841	8,221	1,539	17,039	15,311	1,728	-	F.Y. 2020
909,292	26,783	2,153	458	4,081	3,649	432	-	Q1 2021
913,914	26,418	2,370	428	4,454	4,022	432	-	Q2
911,498	24,496	2,015	422	4,223	3,791	432	-	Q3
920,136	22,734	2,188	437	3,722	3,290	432	-	Q4
295,281	9,068	706	160	1,360	1,216	144	-	Jan. 2021
289,543	8,176	687	146	1,286	1,142	144	-	Feb.
324,468	9,539	760	152	1,435	1,291	144	-	Mar.
298,600	8,792	744	135	1,532	1,388	144	-	Apr.
311,792	8,927	795	150	1,461	1,317	144	-	May
303,522	8,700	831	143	1,461	1,317	144	-	Jun.
298,959	7,994	676	146	1,388	1,244	144	-	Jul.
295,981	7,937	579	142	1,318	1,174	144	-	Aug.
316,558	8,565	760	134	1,517	1,373	144	-	Sep.
313,088	7,555	705	140	1,288	1,144	144	-	Oct.
305,954	7,096	768	143	1,197	1,053	144	-	Nov.
301,094	8,082	715	154	1,237	1,093	144	-	Dec.

コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	酸素 Oxygen	Year, Quarter &Month
1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	1000Nm ³	
382,950	14,074	28,176	2,116	6,508	99,779	109,091	5,722,123		C.Y. 2017
371,296	9,234	29,354	3,298	5,628	98,734	107,781	5,712,850	C.Y. 2018
378,691	7,611	28,641	3,124	6,017	88,876	96,919	5,436,411	C.Y. 2019
336,514	4,518	15,212	2,774	5,017	87,363	95,209	4,614,583	C.Y. 2020
366,861	6,400	20,833	2,709	5,373	100,674	109,909	5,275,242	C.Y. 2021
377,822	6,750	29,031	3,033	5,936	86,917	94,755	5,404,720	F.Y. 2019
337,010	4,542	14,279	2,729	5,055	89,562	97,626	4,602,657	F.Y. 2020
95,066	1,517	6,374	627	1,560	23,828	25,983	1,318,732	Q1 2021
88,492	1,070	4,270	752	1,172	25,624	27,961	1,323,704	Q2
89,480	1,909	5,129	658	1,338	24,483	26,745	1,326,572	Q3
93,823	1,904	5,060	672	1,303	26,739	29,220	1,306,234	Q4
33,860	585	2,482	193	486	7,974	8,694	441,465	Jan. 2021
29,304	467	1,777	193	480	7,534	8,211	416,216	Feb.
31,902	465	2,115	241	594	8,320	9,078	461,051	Mar.
29,628	422	1,472	238	399	8,581	9,366	425,422	Apr.
29,866	291	1,425	268	423	8,478	9,244	458,351	May
28,998	357	1,373	246	350	8,565	9,351	439,931	Jun.
29,697	552	1,539	213	452	8,127	8,880	437,632	Jul.
29,696	738	1,472	207	416	8,176	8,936	439,207	Aug.
30,087	619	2,118	238	470	8,180	8,929	449,733	Sep.
31,089	625	1,441	246	436	9,248	10,100	442,196	Oct.
29,795	716	1,322	231	482	8,810	9,629	432,241	Nov.
32,939	563	2,297	195	385	8,681	9,491	431,797	Dec.

軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	液化石油ガス Liquefied petroleum gas	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	Year, Quarter &Month
kl	kl	kl	kl	t	t	kl	kl	
1,672	7,819	7,819	-	79,329	-	-	1,498,909		C.Y. 2017
1,542	7,535	7,535	-	79,236	-	-	1,480,576	C.Y. 2018
1,699	7,885	7,885	-	75,143	-	-	1,421,429	C.Y. 2019
1,503	5,740	5,740	-	64,503	-	-	1,241,348	C.Y. 2020
1,734	3,045	3,045	-	56,180	-	-	1,379,794	C.Y. 2021
1,690	7,150	7,150	-	74,635	-	-	1,424,207	F.Y. 2019
1,528	5,396	5,396	-	61,249	-	-	1,235,980	F.Y. 2020
456	1,147	1,147	-	15,364	-	-	351,278	Q1 2021
425	1,022	1,022	-	14,661	-	-	338,850	Q2
419	864	864	-	13,640	-	-	348,897	Q3
434	12	12	-	12,515	-	-	340,769	Q4
160	395	395	-	5,233	-	-	114,430	Jan. 2021
145	353	353	-	4,630	-	-	110,108	Feb.
151	399	399	-	5,501	-	-	126,739	Mar.
134	403	403	-	4,875	-	-	110,783	Apr.
149	296	296	-	4,992	-	-	116,977	May
142	323	323	-	4,794	-	-	111,090	Jun.
145	298	298	-	4,419	-	-	113,490	Jul.
141	284	284	-	4,510	-	-	115,714	Aug.
133	282	282	-	4,711	-	-	119,694	Sep.
139	12	12	-	4,138	-	-	116,924	Oct.
142	-	-	-	3,808	-	-	110,452	Nov.
153	-	-	-	4,569	-	-	113,393	Dec.

年 月		製鋼用(転炉)(つづき) for Steelmaking (LD converters) (continued)							
		コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
		t	t	t	1000m ³	1000m ³	1000m ³	t	1000m ³
平成	29 年	-	441,327	61,062	364,740	13,418	25,193	1,062	25,725
	30 年	-	436,618	63,844	354,315	8,535	26,747	5	24,684
令和	1 年	-	409,856	59,877	362,203	6,939	26,397	6	23,370
	2 年	-	371,898	64,963	321,221	3,901	13,439	6	28,664
	3 年	-	414,911	50,111	352,064	5,760	19,551	27	33,169
令和	1 年度	-	414,632	63,233	361,815	6,137	26,930	6	23,427
	2 年	-	376,896	57,605	321,529	3,877	12,646	5	30,300
3 年	1~3月	-	110,119	11,167	90,948	1,330	5,982	1	7,822
	4~6	-	96,547	11,747	84,854	933	4,021	1	8,429
	7~9	-	107,839	12,665	85,972	1,764	4,820	6	8,434
	10~12	-	100,406	14,532	90,290	1,733	4,728	19	8,484
3 年	1月	-	28,435	4,381	32,478	521	2,340	1	2,864
	2 月	-	35,124	3,354	28,036	406	1,670	-	2,343
	3 月	-	46,560	3,432	30,434	403	1,972	-	2,615
	4 月	-	32,499	4,197	28,339	377	1,412	-	2,817
	5 月	-	32,714	4,328	28,756	245	1,330	-	2,866
	6 月	-	31,334	3,222	27,759	311	1,279	1	2,746
	7 月	-	32,604	4,639	28,365	507	1,451	2	2,920
	8 月	-	33,749	4,732	28,535	689	1,352	2	3,074
	9 月	-	41,486	3,294	29,072	568	2,017	2	2,440
	10 月	-	35,380	5,960	29,945	569	1,337	1	2,982
	11 月	-	32,058	5,007	28,652	649	1,198	6	2,460
	12 月	-	32,968	3,565	31,693	515	2,193	12	3,042

年 月		製鋼用(電気炉)(つづき) for Steelmaking (Electric furnaces) (continued)							
		石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas
		kl	kl	kl	kl	kl	kl	kl	t
平成	29 年	37,287	7,552	12	24,499	22,771	1,728	-	3,676
	30 年	24,959	8,034	12	15,710	13,982	1,728	-	701
令和	1 年	20,894	8,193	12	11,636	9,908	1,728	-	625
	2 年	20,303	7,848	12	11,447	9,719	1,728	-	569
	3 年	22,597	8,363	11	13,435	11,707	1,728	-	501
令和	1 年度	20,325	8,089	12	11,144	9,416	1,728	-	645
	2 年	20,558	7,984	11	11,643	9,915	1,728	-	535
3 年	1~3月	5,227	2,083	2	2,934	2,502	432	-	135
	4~6	5,901	2,272	3	3,432	3,000	432	-	131
	7~9	5,467	1,918	3	3,359	2,927	432	-	110
	10~12	6,001	2,090	3	3,710	3,278	432	-	125
3 年	1月	1,713	678	-	965	821	144	-	45
	2 月	1,659	659	1	933	789	144	-	41
	3 月	1,855	746	1	1,036	892	144	-	49
	4 月	1,917	716	1	1,129	985	144	-	47
	5 月	1,994	767	1	1,165	1,021	144	-	41
	6 月	1,990	789	1	1,138	994	144	-	43
	7 月	1,806	649	1	1,090	946	144	-	40
	8 月	1,648	551	1	1,034	890	144	-	33
	9 月	2,013	718	1	1,235	1,091	144	-	37
	10 月	2,023	677	1	1,276	1,132	144	-	43
	11 月	1,987	726	1	1,197	1,053	144	-	41
	12 月	1,991	687	1	1,237	1,093	144	-	41

年 月		製鋼用(電気炉)(つづき) for Steelmaking (Electric furnaces) (continued)							
		転炉ガス Converter furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	酸素 Oxygen	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel
		1000m ³	1000m ³	t	1000m ³	1000m ³	1000Nm ³	t	t
平成	29 年	2,983	2,116	5,446	74,054	80,863	790,577	-	-
	30 年	2,607	3,298	5,623	74,050	80,694	820,497	-	-
令和	1 年	2,244	3,124	6,011	65,506	71,271	776,967	-	-
	2 年	1,773	2,774	5,011	58,699	63,773	697,725	-	-
	3 年	1,282	2,709	5,346	67,505	73,511	790,643	-	-
令和	1 年度	2,101	3,033	5,930	63,490	69,045	761,006	-	-
	2 年	1,633	2,729	5,050	59,262	64,392	705,313	-	-
3 年	1~3月	392	627	1,559	16,006	17,399	192,288	-	-
	4~6	249	752	1,171	17,195	18,712	200,418	-	-
	7~9	309	658	1,332	16,049	17,489	188,330	-	-
	10~12	332	672	1,284	18,255	19,911	209,607	-	-
3 年	1月	142	193	485	5,110	5,551	60,748	-	-
	2 月	107	193	480	5,191	5,640	62,845	-	-
	3 月	143	241	594	5,705	6,208	68,695	-	-
	4 月	60	238	399	5,764	6,275	65,429	-	-
	5 月	95	268	423	5,612	6,099	66,868	-	-
	6 月	94	246	349	5,819	6,338	68,121	-	-
	7 月	88	213	450	5,207	5,675	62,393	-	-
	8 月	120	207	414	5,102	5,563	58,057	-	-
	9 月	101	238	468	5,740	6,251	67,880	-	-
	10 月	104	246	435	6,266	6,828	72,281	-	-
	11 月	124	231	476	6,350	6,929	71,656	-	-
	12 月	104	195	373	5,639	6,154	65,670	-	-

都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	製鋼用(電気炉)		Year, Quarter &Month
							計 (原油換算) Total (Crude petroleum equivalent) kl		
28,228	4,931,546	10,811	7,751	-	4,919,004	3,063,245	1,643,131	C.Y. 2017	
27,087	4,892,353	8,409	8,321	-	4,877,897	3,128,221	1,667,823	C.Y. 2018	
25,648	4,659,444	11,814	7,015	-	4,862,456	3,026,530	1,551,949	C.Y. 2019	
31,436	3,916,858	8,598	6,914	-	4,361,891	2,580,218	1,355,254	C.Y. 2020	
36,398	4,484,599	5,736	5,703	-	4,609,912	2,956,591	1,564,018	C.Y. 2021	
25,710	4,643,714	12,047	6,819	-	4,848,889	3,007,650	1,505,030	F.Y. 2019	
33,234	3,897,344	8,471	6,338	-	4,312,112	2,596,139	1,371,495	F.Y. 2020	
8,584	1,126,444	2,450	1,406	-	1,146,122	773,888	376,350	Q1 2021	
9,249	1,123,286	2,330	1,305	-	1,154,916	737,182	396,159	Q2	
9,256	1,138,242	79	1,403	-	1,182,700	736,249	382,662	Q3	
9,309	1,096,627	877	1,589	-	1,126,174	709,272	408,848	Q4	
3,143	380,717	541	706	-	395,847	266,428	118,257	Jan. 2021	
2,571	353,371	851	436	-	358,270	241,791	122,877	Feb.	
2,870	392,356	1,058	264	-	392,005	265,669	135,216	Mar.	
3,091	359,993	837	375	-	378,300	241,302	129,074	Apr.	
3,145	391,483	636	485	-	393,932	254,626	133,638	May	
3,013	371,810	857	445	-	382,684	241,254	133,447	Jun.	
3,205	375,239	32	418	-	398,805	239,905	125,601	Jul.	
3,373	381,150	20	474	-	398,743	249,485	119,640	Aug.	
2,678	381,853	27	511	-	385,152	246,859	137,421	Sep.	
3,272	369,915	597	666	-	381,205	232,367	139,109	Oct.	
2,700	360,585	244	405	-	361,606	230,286	140,838	Nov.	
3,337	366,127	36	518	-	383,363	246,619	128,901	Dec.	

オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month				
-	-	396	397,070	44,172	152,314	18,210	656	C.Y. 2017				
-	-	396	402,567	44,269	151,363	16,981	699	C.Y. 2018				
-	-	396	385,799	44,350	152,933	16,488	672	C.Y. 2019				
-	-	396	338,011	41,831	125,276	15,293	617	C.Y. 2020				
-	-	396	387,213	46,836	151,418	14,797	640	C.Y. 2021				
-	-	396	375,367	42,498	148,475	16,007	613	F.Y. 2019				
-	-	396	342,772	43,421	127,824	15,481	665	F.Y. 2020				
-	-	99	95,290	11,882	37,723	4,118	187	Q1 2021				
-	-	99	97,412	12,157	37,382	3,638	137	Q2				
-	-	99	93,270	10,675	37,797	3,508	145	Q3				
-	-	99	101,240	12,122	38,516	3,533	171	Q4				
-	-	33	30,049	3,701	11,773	1,382	64	Jan. 2021				
-	-	33	30,777	3,766	12,145	1,268	61	Feb.				
-	-	33	34,465	4,415	13,805	1,468	62	Mar.				
-	-	33	31,953	3,735	12,296	1,289	45	Apr.				
-	-	33	33,063	4,383	13,115	1,110	46	May				
-	-	33	32,396	4,039	11,971	1,239	46	Jun.				
-	-	33	29,885	3,245	11,475	1,332	45	Jul.				
-	-	33	29,113	2,958	12,113	1,161	49	Aug.				
-	-	33	34,272	4,472	14,209	1,015	51	Sep.				
-	-	33	34,151	3,897	12,625	1,144	56	Oct.				
-	-	33	35,118	4,172	13,617	1,143	67	Nov.				
-	-	33	31,970	4,053	12,274	1,246	48	Dec.				

電力 Electricity 1000kWh	蒸気 Steam t	製鋼用 for Steel forgings						Year, Quarter &Month
		計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	
12,683,253	418,642	220,889	42,637	10,907	755	29,552	29,552	C.Y. 2017
13,025,666	413,867	221,174	38,740	10,083	710	26,659	26,659	C.Y. 2018
12,038,493	367,406	197,952	31,242	9,316	641	20,100	20,100	C.Y. 2019
10,480,869	317,933	155,085	24,845	6,385	540	16,549	16,549	C.Y. 2020
12,124,255	381,521	179,866	25,383	6,200	566	17,378	17,378	C.Y. 2021
11,660,664	356,264	187,331	29,717	8,666	618	19,129	19,129	F.Y. 2019
10,600,140	319,809	155,008	23,876	6,006	538	15,997	15,997	F.Y. 2020
2,896,387	92,614	42,812	6,108	1,563	146	4,077	4,077	Q1 2021
3,076,366	96,518	43,735	6,164	1,523	143	4,224	4,224	Q2
2,982,096	94,325	45,031	6,281	1,517	137	4,309	4,309	Q3
3,169,406	98,064	48,288	6,830	1,597	140	4,768	4,768	Q4
907,913	29,487	13,135	1,864	444	47	1,291	1,291	Jan. 2021
950,000	29,938	14,033	1,993	544	48	1,281	1,281	Feb.
1,038,474	33,189	15,643	2,251	575	51	1,505	1,505	Mar.
1,000,729	30,553	14,488	2,093	523	52	1,420	1,420	Apr.
1,036,279	31,589	13,526	1,835	442	39	1,268	1,268	May
1,039,358	34,376	15,721	2,236	558	52	1,536	1,536	Jun.
986,287	31,277	15,487	2,376	544	54	1,669	1,669	Jul.
933,219	29,922	14,193	1,680	451	40	1,094	1,094	Aug.
1,062,590	33,126	15,350	2,226	522	43	1,546	1,546	Sep.
1,082,145	32,840	15,912	2,268	523	41	1,606	1,606	Oct.
1,089,234	34,840	17,009	2,460	552	50	1,747	1,747	Nov.
998,027	30,384	15,367	2,101	522	49	1,415	1,415	Dec.

年 月	鍛鋼用(つづき) for Steel forgings (continued) →							
	B・C重油	液化石油ガス	アスファルト	非石油系燃料 (原油換算)	石炭	コークス炉 ガス	高炉ガス	転炉ガス
	Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coke oven gas	Blast furnace gas	Converter furnace gas
	kl	t	t	kl	t	1000m ³	1000m ³	1000m ³
平成 29 年	-	1,296	-	112,447	-	32,194	2,168	9,729
30 年	-	1,182	-	115,761	-	29,733	2,070	7,474
令和 1 年	-	1,124	-	106,145	1	22,331	2,720	8,910
2 年	-	1,176	-	82,650	-	5,556	2,813	7,893
3 年	-	1,168	-	101,871	-	5,634	3,470	6,836
令和 1 年度	-	1,196	-	100,067	1	16,630	2,532	8,531
2 年	-	1,164	-	83,783	-	5,552	3,086	7,622
3 年 1~3月	-	303	-	23,698	-	1,257	728	1,498
4~6	-	264	-	24,586	-	1,328	833	1,522
7~9	-	297	-	25,570	-	1,277	772	1,632
10~12	-	304	-	28,017	-	1,772	1,137	2,184
3 年 1月	-	78	-	7,140	-	554	310	685
2 月	-	112	-	7,771	-	447	274	483
3 月	-	113	-	8,786	-	256	144	330
4 月	-	94	-	7,964	-	375	266	356
5 月	-	81	-	7,741	-	594	342	707
6 月	-	89	-	8,881	-	359	225	459
7 月	-	102	-	8,345	-	471	304	588
8 月	-	89	-	8,396	-	464	258	628
9 月	-	106	-	8,829	-	342	210	416
10 月	-	93	-	9,281	-	625	415	765
11 月	-	104	-	9,909	-	594	405	747
12 月	-	107	-	8,828	-	553	317	672

年 月	鋳鋼用 for Steel castings →							
	計 (原油換算)	石油系燃料 (原油換算)	ガソリン	灯油	軽油	重油計	A重油	B・C重油
	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	62,898	25,380	-	11,661	105	6,295	6,247	48
30 年	68,086	31,678	-	12,189	126	8,448	8,400	48
令和 1 年	65,210	30,263	-	11,725	150	6,802	6,754	48
2 年	57,463	27,213	-	10,035	123	5,906	5,858	48
3 年	53,521	23,644	-	10,078	115	5,506	5,458	48
令和 1 年度	64,503	29,989	-	11,553	149	6,666	6,618	48
2 年	54,699	25,553	-	9,682	120	5,623	5,575	48
3 年 1~3月	13,216	5,868	-	2,475	30	1,444	1,432	12
4~6	13,200	5,913	-	2,496	29	1,401	1,389	12
7~9	13,093	5,643	-	2,370	27	1,279	1,267	12
10~12	14,012	6,220	-	2,737	29	1,382	1,370	12
3 年 1月	4,205	1,836	-	780	9	473	469	4
2 月	4,424	1,970	-	784	10	505	501	4
3 月	4,587	2,063	-	911	11	466	462	4
4 月	4,534	2,038	-	895	10	471	467	4
5 月	4,121	1,826	-	772	8	418	414	4
6 月	4,545	2,049	-	829	11	512	508	4
7 月	4,464	1,924	-	832	8	407	403	4
8 月	4,102	1,731	-	745	9	397	393	4
9 月	4,527	1,988	-	793	10	475	471	4
10 月	4,717	2,106	-	876	9	490	486	4
11 月	4,821	2,119	-	943	10	468	464	4
12 月	4,475	1,995	-	918	10	424	420	4

年 月	鋳鋼用(つづき) for Steel castings (continued)							圧延(冷間を含む)及び鋼管用 →	
	都市ガス (B)	酸素	廃プラスチック	RPF	電力	蒸気	計 (原油換算)	石油系燃料 (原油換算)	
	Town gas(B)	Oxygen	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	
	1000m ³	1000Nm ³	t	t	1000kWh	t	kl	kl	
平成 29 年	7,847	3,546	-	-	267,336	7,841	6,719,966	299,962	
30 年	8,123	4,369	-	-	241,903	8,460	6,782,559	222,075	
令和 1 年	7,705	4,276	-	-	232,947	11,214	6,507,683	172,001	
2 年	6,450	3,697	-	-	206,500	11,621	5,585,553	147,245	
3 年	6,009	2,926	-	-	208,077	12,257	6,174,981	166,405	
令和 1 年度	7,650	4,269	-	-	229,661	12,211	6,401,545	161,895	
2 年	5,983	3,319	-	-	202,087	11,727	5,559,023	151,097	
3 年 1~3月	1,440	709	-	-	51,467	3,695	1,553,890	42,078	
4~6	1,399	706	-	-	51,539	3,081	1,524,900	40,188	
7~9	1,467	687	-	-	52,664	2,678	1,562,928	42,482	
10~12	1,703	824	-	-	52,407	2,803	1,533,263	41,657	
3 年 1月	449	210	-	-	16,775	1,259	519,671	14,510	
2 月	490	255	-	-	16,920	1,197	489,354	13,442	
3 月	501	244	-	-	17,772	1,239	544,865	14,126	
4 月	508	227	-	-	17,358	1,103	506,432	13,348	
5 月	433	223	-	-	16,231	967	517,906	13,239	
6 月	458	256	-	-	17,950	1,011	500,562	13,601	
7 月	479	221	-	-	18,254	932	527,567	14,474	
8 月	477	223	-	-	16,656	846	522,585	13,525	
9 月	511	243	-	-	17,754	900	512,776	14,484	
10 月	532	263	-	-	18,051	1,046	507,521	14,440	
11 月	682	281	-	-	17,373	911	511,189	13,967	
12 月	489	280	-	-	16,983	846	514,554	13,250	

天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
2,636	17,640	54,762	59,960	5,761	-	692,278	20,356	C.Y. 2017
1,986	18,937	58,265	63,791	5,690	-	701,896	19,972	C.Y. 2018
1,461	18,020	54,861	60,065	5,095	-	636,070	20,189	C.Y. 2019
1,341	16,718	44,676	48,911	3,366	-	500,328	15,168	C.Y. 2020
1,571	19,178	58,212	63,736	3,277	-	556,625	12,057	C.Y. 2021
1,427	17,927	52,599	57,587	4,718	-	604,485	19,027	F.Y. 2019
1,309	16,716	45,784	50,124	3,062	-	498,543	14,077	F.Y. 2020
365	4,591	13,431	14,705	773	-	137,504	3,111	Q1 2021
395	4,875	13,780	15,087	749	-	137,343	3,020	Q2
395	4,735	14,794	16,198	806	-	139,542	2,886	Q3
416	4,977	16,207	17,746	949	-	142,236	3,040	Q4
104	1,317	3,998	4,377	270	-	43,666	1,004	Jan. 2021
109	1,473	4,439	4,860	242	-	45,183	956	Feb.
152	1,801	4,994	5,468	261	-	48,655	1,151	Mar.
138	1,645	4,419	4,838	277	-	46,860	1,048	Apr.
111	1,538	4,234	4,635	149	-	41,803	892	May
146	1,692	5,127	5,614	323	-	48,680	1,080	Jun.
123	1,806	4,474	4,899	287	-	50,513	974	Jul.
139	1,326	5,095	5,579	227	-	43,557	957	Aug.
133	1,603	5,225	5,720	292	-	45,472	955	Sep.
89	1,722	5,297	5,801	313	-	46,150	1,006	Oct.
156	1,612	5,925	6,488	320	-	49,133	1,008	Nov.
171	1,643	4,985	5,457	316	-	46,953	1,026	Dec.

液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	Year, Quarter &Month
5,985	-	-	12,108	37	1,567	1,587	7,175	C.Y. 2017
8,729	-	-	13,320	45	1,665	2,089	7,431	C.Y. 2018
9,235	-	-	12,502	37	1,369	1,955	7,061	C.Y. 2019
8,842	-	-	10,237	35	541	1,691	5,915	C.Y. 2020
6,552	-	-	9,673	27	344	1,806	5,514	C.Y. 2021
9,256	-	-	12,305	40	1,191	1,925	7,010	F.Y. 2019
8,088	-	-	9,537	30	434	1,640	5,489	F.Y. 2020
1,584	-	-	2,305	6	95	418	1,323	Q1 2021
1,637	-	-	2,280	7	98	430	1,285	Q2
1,617	-	-	2,365	6	80	449	1,347	Q3
1,714	-	-	2,723	8	71	509	1,559	Q4
475	-	-	722	2	35	132	413	Jan. 2021
550	-	-	798	2	32	150	450	Feb.
559	-	-	785	2	28	136	460	Mar.
548	-	-	806	2	29	147	467	Apr.
517	-	-	718	2	31	141	397	May
572	-	-	756	3	38	142	421	Jun.
557	-	-	778	3	30	149	441	Jul.
479	-	-	762	2	24	142	437	Aug.
581	-	-	825	1	26	158	469	Sep.
601	-	-	859	3	27	162	487	Oct.
578	-	-	1,023	3	22	165	623	Nov.
535	-	-	841	2	22	182	449	Dec.

for Rolling (including Cold) and Pipes								Year, Quarter &Month
ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	
12	34,950	222	146,357	54,053	92,304	85,313	48		C.Y. 2017
12	36,636	201	80,087	52,962	27,125	79,376	47	C.Y. 2018
7	34,019	204	55,307	46,636	8,671	63,223	34	C.Y. 2019
2	30,678	525	48,088	40,413	7,675	52,155	32	C.Y. 2020
12	37,221	161	56,238	46,619	9,619	56,995	46	C.Y. 2021
4	32,927	258	53,895	46,084	7,811	57,410	33	F.Y. 2019
5	31,821	453	48,891	40,543	8,348	53,941	35	F.Y. 2020
3	8,995	37	13,834	11,341	2,493	15,016	11	Q1 2021
3	9,737	41	13,634	11,111	2,523	13,168	9	Q2
3	8,960	36	14,390	12,091	2,299	14,930	15	Q3
3	9,529	47	14,380	12,076	2,304	13,881	11	Q4
1	3,109	7	4,473	3,727	746	5,416	3	Jan. 2021
1	2,787	20	4,532	3,708	824	4,765	3	Feb.
1	3,099	10	4,829	3,906	923	4,835	5	Mar.
1	3,157	7	4,727	3,814	913	4,276	3	Apr.
1	3,236	19	4,436	3,615	821	4,357	3	May
1	3,344	15	4,471	3,682	789	4,535	3	Jun.
1	3,305	10	5,013	4,145	868	4,814	5	Jul.
1	2,416	7	4,531	3,738	793	5,110	5	Aug.
1	3,239	19	4,846	4,208	638	5,006	5	Sep.
1	3,284	16	4,806	3,977	829	4,964	3	Oct.
1	3,339	9	4,977	4,136	841	4,428	5	Nov.
1	2,906	22	4,597	3,963	634	4,489	3	Dec.

年 月	圧延(冷間を含む)及び鋼管用(つづき) for Rolling (including Cold) and Pipes (continued) →							
	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	コークス炉 ガス	高炉ガス	転炉ガス	天然ガス	液化天然ガス
	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coke oven gas	Blast furnace gas	Converter furnace gas	Natural gas	Liquefied natural gas
	t	kl	kl	1000m ³	1000m ³	1000m ³	1000m ³	t
平成 29 年	-	-	4,310,561	4,119,283	1,582,433	1,371,991	14,188	288,467
30	-	-	4,460,220	4,166,605	1,744,920	1,370,889	15,280	269,185
令和 1 年	-	-	4,307,565	4,072,231	1,749,191	1,188,989	14,914	259,593
2	-	-	3,676,286	3,600,322	1,531,045	995,258	13,522	214,460
3	-	-	4,113,564	4,078,828	1,645,643	1,102,837	14,504	249,148
令和 1 年度	-	-	4,231,547	4,060,274	1,718,056	1,191,476	14,272	254,358
2	-	-	3,664,548	3,579,176	1,537,174	982,737	13,498	215,759
3 年 1~3月	-	-	1,029,508	1,004,789	425,351	280,615	3,467	62,447
4~6	-	-	1,015,248	1,019,797	400,949	248,950	3,902	60,274
7~9	-	-	1,044,280	1,041,606	417,636	296,243	3,415	64,739
10~12	-	-	1,024,528	1,012,636	401,707	277,029	3,720	61,688
3 年 1月	-	-	341,962	339,726	148,854	91,885	1,122	20,905
2	-	-	323,890	306,844	132,682	87,676	1,122	20,008
3	-	-	363,656	358,219	143,815	101,054	1,223	21,534
4	-	-	337,291	329,955	135,820	77,601	1,248	20,621
5	-	-	345,734	348,561	145,334	84,465	1,324	20,258
6	-	-	332,223	341,281	119,795	86,884	1,330	19,395
7	-	-	351,428	353,284	140,963	97,808	1,097	20,741
8	-	-	350,651	351,231	146,128	98,164	975	21,761
9	-	-	342,202	337,091	130,545	100,271	1,343	22,237
10	-	-	338,194	335,028	139,175	91,845	1,237	20,457
11	-	-	342,023	341,261	127,363	94,342	1,296	20,518
12	-	-	344,311	336,347	135,169	90,842	1,187	20,713

年 月	発電・ボイラ・コージェネレーション用(つづき) for Power generation, Boilers, Co-generation (continued) →							
	灯油	軽油	重油計	A重油	B・C重油	液化石油ガス	再生油 (石油由来)	非石油系燃料 (原油換算)
	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)
	kl	kl	kl	kl	kl	t	kl	kl
平成 29 年	7,151	-	226,055	77,444	148,611	39,232	-	7,383,542
30	6,127	-	208,160	89,332	116,828	39,413	-	7,097,654
令和 1 年	3,797	-	185,979	58,921	127,058	35,857	-	6,976,221
2	1,498	-	188,715	77,397	111,318	42,041	1	6,371,498
3	1,945	-	156,986	40,440	116,546	44,461	-	6,786,267
令和 1 年度	2,729	-	177,033	47,187	129,846	32,926	-	6,923,814
2	1,579	-	190,578	80,560	110,018	51,218	1	6,429,294
3 年 1~3月	494	-	43,430	15,035	28,395	13,745	-	1,808,798
4~6	518	-	31,208	8,288	22,920	8,835	-	1,630,465
7~9	447	-	36,680	9,638	27,042	11,853	-	1,784,189
10~12	486	-	45,668	7,479	38,189	10,028	-	1,562,815
3 年 1月	155	-	17,786	4,429	13,357	4,842	-	636,441
2	160	-	10,915	4,284	6,631	3,859	-	564,039
3	179	-	14,729	6,322	8,407	5,044	-	608,318
4	168	-	10,439	3,129	7,310	1,756	-	509,717
5	166	-	9,915	2,473	7,442	3,979	-	551,260
6	184	-	10,854	2,686	8,168	3,100	-	569,488
7	155	-	13,504	3,626	9,878	3,135	-	608,961
8	115	-	11,617	3,331	8,286	3,531	-	603,631
9	177	-	11,559	2,681	8,878	5,187	-	571,597
10	167	-	16,648	2,443	14,205	3,544	-	487,501
11	177	-	15,400	2,162	13,238	3,784	-	481,031
12	142	-	13,620	2,874	10,746	2,700	-	594,282

年 月	発電・ボイラ・コージェネレーション用(つづき) for Power generation, Boilers, Co-generation (continued)							その他の鉄鋼製品 → 計 (原油換算) Total (Crude petroleum equivalent) kl
	都市ガス (A)	都市ガス (B)	廃材	廃プラスチック	RPF	電力	蒸気	
	Town gas(A)	Town gas(B)	Waste material	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam	
	1000m ³	1000m ³	絶乾(Dry)t	t	t	1000kWh	t	
平成 29 年	427,712	467,227	31,122	-	-	1,602,922	50,246,396	3,419,468
30	454,581	496,325	24,686	-	-	1,637,179	48,181,010	3,340,807
令和 1 年	414,355	452,585	28,018	-	-	1,573,803	47,689,596	3,294,558
2	485,126	529,527	30,222	-	-	1,549,153	44,680,138	2,958,472
3	480,453	524,391	28,819	-	-	1,540,587	44,139,872	3,177,401
令和 1 年度	406,217	443,578	31,628	-	-	1,594,295	48,454,189	3,288,993
2	497,820	543,343	29,200	-	-	1,533,603	44,183,869	2,928,512
3 年 1~3月	133,690	145,903	9,747	-	-	395,595	11,604,096	796,641
4~6	102,778	112,078	4,955	-	-	355,635	10,328,850	790,192
7~9	127,803	139,469	8,203	-	-	394,164	11,251,235	785,373
10~12	116,182	126,941	5,914	-	-	395,193	10,955,691	805,196
3 年 1月	49,227	53,743	3,541	-	-	141,077	4,090,282	263,655
2	44,469	48,561	3,516	-	-	126,727	3,668,929	249,970
3	39,994	43,599	2,690	-	-	127,791	3,844,885	283,016
4	39,618	43,214	-	-	-	103,197	3,420,166	259,640
5	31,277	34,106	1,581	-	-	128,112	3,420,885	267,866
6	31,883	34,758	3,374	-	-	124,326	3,487,799	262,686
7	45,766	49,950	2,653	-	-	127,945	3,811,695	263,078
8	43,116	47,057	2,805	-	-	134,944	3,803,066	260,563
9	38,921	42,462	2,745	-	-	131,275	3,636,474	261,732
10	39,299	42,934	1,228	-	-	121,021	3,790,819	269,399
11	40,108	43,836	2,429	-	-	133,449	3,445,477	264,885
12	36,775	40,171	2,257	-	-	140,723	3,719,395	270,913

都市ガス (A)	都市ガス (B)	酸素	廃プラスチック	電力	蒸気	発電・ボイラ・コージェネレーション用		Year, Quarter &Month
						計 (原油換算)	石油系燃料 (原油換算)	
						Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	
1000m ³	1000m ³	1000Nm ³	t	1000kWh	t	kl	kl	
1,015,249	1,106,984	154,886	-	17,696,498	6,702,080	11,303,178	297,423	C.Y. 2017
1,134,861	1,235,307	152,036	-	17,697,405	6,568,073	10,854,580	274,290	C.Y. 2018
1,093,851	1,190,922	146,786	-	17,062,689	6,378,479	10,666,758	247,763	C.Y. 2019
883,611	963,087	117,121	-	14,995,965	5,310,198	9,859,288	255,327	C.Y. 2020
1,028,800	1,122,626	133,201	-	16,451,603	5,275,208	10,206,512	225,923	C.Y. 2021
1,043,056	1,135,991	142,166	-	16,883,136	6,330,562	10,655,410	234,066	F.Y. 2019
900,257	981,644	117,009	-	14,953,470	5,097,641	9,894,843	268,836	F.Y. 2020
262,803	286,677	34,141	-	4,087,190	1,477,116	2,711,732	64,042	Q1 2021
253,970	277,054	32,771	-	4,064,495	1,321,891	2,422,505	45,013	Q2
253,790	276,860	34,421	-	4,224,473	1,203,552	2,653,219	54,662	Q3
258,237	282,035	31,868	-	4,075,445	1,272,649	2,419,056	62,206	Q4
84,090	91,684	11,418	-	1,370,279	516,923	957,585	25,293	Jan. 2021
86,568	94,467	10,796	-	1,286,332	468,208	846,044	16,615	Feb.
92,145	100,526	11,927	-	1,430,579	491,985	908,103	22,134	Mar.
88,431	96,463	10,976	-	1,330,628	463,150	769,196	13,472	Apr.
85,516	93,376	11,171	-	1,375,832	447,735	815,465	15,832	May
80,023	87,215	10,624	-	1,358,035	411,006	837,844	15,709	Jun.
85,745	93,536	11,956	-	1,437,409	404,406	902,851	18,519	Jul.
84,492	92,190	11,240	-	1,406,144	399,375	896,035	16,978	Aug.
83,553	91,134	11,225	-	1,380,920	399,771	854,333	19,166	Sep.
84,123	91,843	11,068	-	1,355,922	415,997	783,330	22,544	Oct.
85,001	92,816	10,673	-	1,358,152	417,513	753,139	21,537	Nov.
89,113	97,376	10,127	-	1,361,371	439,139	882,587	18,125	Dec.

コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	コークス炉 ガス	高炉ガス	転炉ガス	電気炉ガス	天然ガス	液化天然ガス	Year, Quarter &Month
t	t	1000m ³	t					
-	3,624,275	1,629,808	34,778,116	1,841,372	68,896	2,701	68,508		C.Y. 2017
-	3,625,919	1,513,550	32,176,079	1,777,754	69,316	3,345	61,466	C.Y. 2018
-	3,431,767	1,526,006	32,887,394	1,720,308	63,262	3,004	59,527	C.Y. 2019
-	3,260,873	1,696,687	25,790,384	1,526,481	66,435	2,522	59,797	C.Y. 2020
16,285	3,370,641	1,515,577	29,405,683	1,556,677	74,214	2,951	49,061	C.Y. 2021
-	3,483,385	1,548,684	31,679,749	1,790,742	65,278	2,841	59,416	F.Y. 2019
-	3,333,003	1,686,154	25,695,916	1,443,694	66,603	2,483	56,853	F.Y. 2020
-	995,422	379,320	7,270,791	392,115	20,437	742	13,376	Q1 2021
-	703,333	390,634	7,777,159	423,831	20,399	724	11,432	Q2
16,285	935,742	365,817	7,521,194	387,494	11,386	678	11,955	Q3
-	736,144	379,806	6,836,539	353,237	21,992	807	12,298	Q4
-	343,353	150,236	2,528,296	120,367	6,448	229	4,707	Jan. 2021
-	315,739	109,284	2,236,749	124,985	5,990	228	4,153	Feb.
-	336,330	119,800	2,505,746	146,763	7,999	285	4,516	Mar.
-	194,208	125,982	2,505,520	126,384	7,404	261	4,633	Apr.
-	221,400	136,270	2,747,187	154,418	7,588	232	3,534	May
-	287,725	128,382	2,524,452	143,029	5,407	231	3,265	Jun.
-	335,566	114,633	2,549,631	122,617	7,111	227	3,486	Jul.
-	320,967	124,854	2,570,436	122,722	3,526	220	4,192	Aug.
16,285	279,209	126,330	2,401,127	142,155	749	231	4,277	Sep.
-	197,542	134,017	2,210,287	123,205	6,498	221	4,091	Oct.
-	228,316	110,680	2,084,868	98,130	8,347	267	4,124	Nov.
-	310,286	135,109	2,541,384	131,902	7,147	319	4,083	Dec.

Others Iron and steel products								Year, Quarter &Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン	灯油	軽油	重油計	A重油	B・C重油	炭化水素油	
kl	kl	kl	kl	kl	kl	kl	kl	
157,496	505	17,704	17,467	41,423	40,202	1,221	-	C.Y. 2017
163,125	521	15,457	17,187	40,127	38,614	1,513	-	C.Y. 2018
148,248	532	15,615	18,648	34,635	33,572	1,063	-	C.Y. 2019
136,794	481	16,332	16,477	35,865	34,811	1,054	-	C.Y. 2020
141,304	489	17,647	17,683	31,416	30,213	1,203	-	C.Y. 2021
151,374	537	15,732	19,061	39,367	38,304	1,063	-	F.Y. 2019
132,713	467	16,444	16,163	29,872	28,888	984	-	F.Y. 2020
37,470	111	4,210	4,488	7,781	7,528	253	-	Q1 2021
34,257	119	4,644	4,371	7,518	7,251	267	-	Q2
32,941	134	4,131	4,437	7,882	7,592	290	-	Q3
36,636	125	4,662	4,387	8,235	7,842	393	-	Q4
10,736	36	1,582	1,502	2,550	2,455	95	-	Jan. 2021
11,419	34	1,310	1,421	2,535	2,447	88	-	Feb.
15,315	41	1,318	1,565	2,696	2,626	70	-	Mar.
11,479	39	1,421	1,480	2,425	2,351	74	-	Apr.
11,306	38	1,563	1,417	2,422	2,328	94	-	May
11,472	42	1,660	1,474	2,671	2,572	99	-	Jun.
9,545	46	1,427	1,539	2,533	2,451	82	-	Jul.
11,421	46	1,295	1,408	2,609	2,494	115	-	Aug.
11,975	42	1,409	1,490	2,740	2,647	93	-	Sep.
11,891	40	1,417	1,418	2,873	2,761	112	-	Oct.
12,549	41	1,587	1,449	2,886	2,762	124	-	Nov.
12,196	44	1,658	1,520	2,476	2,319	157	-	Dec.

年 月	その他の鉄鋼製品(つづき) Others Iron and steel products (continued)							
	液化石油ガス	オイルコークス	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas
	t	t	kl	t	t	t	1000m ³	1000m ³
平成 29 年	61,936	-	910,527	-	846	118,462	298,317	1,805,572
30	69,026	-	938,696	-	3,743	105,077	321,625	2,017,469
令和 1 年	60,738	-	920,876	8	500	111,580	305,563	2,144,600
2	51,348	1,437	782,686	645	5,260	77,821	258,562	1,787,001
3	55,242	4,258	853,830	117	124	54,500	343,681	1,774,512
令和 1 年度	59,083	-	909,017	1	500	114,680	296,160	2,183,146
2	50,430	5,695	780,973	645	5,260	60,274	284,403	1,717,241
3 年 1~3月	13,507	4,258	221,906	-	-	12,680	97,031	470,853
4~6	13,826	-	216,445	37	21	13,871	85,787	500,343
7~9	12,839	-	202,382	80	103	14,572	76,696	390,847
10~12	15,070	-	213,098	-	-	13,377	84,167	412,469
3 年 1月	3,990	-	70,781	-	-	4,317	27,917	170,268
2	4,791	-	69,642	-	-	3,838	28,032	152,443
3	4,726	4,258	81,482	-	-	4,525	41,082	148,142
4	4,794	-	72,129	-	-	4,846	28,517	186,103
5	4,607	-	71,975	-	-	4,332	30,419	153,418
6	4,425	-	72,341	37	21	4,693	26,851	160,822
7	3,162	-	69,419	80	103	4,226	28,318	122,942
8	4,746	-	64,993	-	-	5,299	26,952	129,859
9	4,931	-	67,970	-	-	5,047	21,426	138,046
10	4,812	-	69,200	-	-	4,328	26,650	142,142
11	5,161	-	74,390	-	-	4,331	30,404	122,861
12	5,097	-	69,509	-	-	4,718	27,113	147,466

年 月	コークス Coke							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	アスファルト Asphalt
	kl	kl	kl	kl	kl	t	t	t
平成 29 年	31,148,634	385,581	25	130	83,267	4	382,177	-
30	30,821,325	362,924	17	126	93,751	7	338,169	-
令和 1 年	30,692,620	282,957	16	183	72,964	1,242	261,628	-
2	28,129,905	282,942	18	212	70,803	-	266,707	-
3	29,101,923	273,997	18	261	82,668	1,158	217,068	-
令和 1 年度	30,877,151	289,999	15	214	69,548	1,242	275,491	-
2	27,507,612	264,308	19	204	72,103	403	235,024	-
3 年 1~3月	7,194,073	66,952	6	56	18,457	403	54,962	-
4~6	7,207,780	44,860	4	61	18,500	755	28,702	-
7~9	7,281,308	65,379	3	71	22,027	-	49,438	-
10~12	7,418,762	96,806	5	73	23,684	-	83,966	-
3 年 1月	2,501,808	31,882	2	18	8,314	-	27,042	-
2	2,233,936	22,807	2	18	5,044	246	20,054	-
3	2,458,329	12,263	2	20	5,099	157	7,866	-
4	2,382,179	14,262	2	19	5,713	-	9,688	-
5	2,446,873	15,579	1	21	6,394	-	10,400	-
6	2,378,728	15,019	1	21	6,393	755	8,614	-
7	2,443,159	21,275	1	22	7,750	-	15,390	-
8	2,438,562	22,141	1	25	7,144	-	17,121	-
9	2,399,587	21,962	1	24	7,133	-	16,927	-
10	2,475,181	15,112	1	23	8,111	-	7,792	-
11	2,449,940	60,618	2	25	8,201	-	60,566	-
12	2,493,641	21,076	2	25	7,372	-	15,608	-

年 月	コークス(つづき) Coke (continued)							
	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック	RPF	電力	蒸気
	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam
1000m ³	t	1000m ³	1000m ³	t	t	1000kWh	t	
平成 29 年	-	-	21,317	23,338	162,397	-	2,040,460	2,237,346
30	-	-	14,690	16,083	161,671	-	2,026,738	2,244,167
令和 1 年	-	-	10,915	11,951	167,798	-	1,997,754	2,376,344
2	-	-	9,797	10,726	178,360	-	1,953,401	2,407,716
3	-	-	6,959	7,621	188,212	-	1,973,368	2,626,834
令和 1 年度	-	-	8,971	9,822	175,039	-	2,015,369	2,432,629
2	-	-	10,120	11,080	176,272	-	1,933,931	2,437,916
3 年 1~3月	-	-	2,193	2,401	44,738	-	494,860	698,752
4~6	-	-	1,661	1,819	47,156	-	480,786	638,534
7~9	-	-	1,316	1,442	46,435	-	496,449	619,785
10~12	-	-	1,789	1,959	49,883	-	501,273	669,763
3 年 1月	-	-	616	674	15,448	-	172,816	238,225
2	-	-	1,073	1,175	13,020	-	152,297	216,120
3	-	-	504	552	16,270	-	169,747	244,407
4	-	-	607	665	15,598	-	159,288	220,245
5	-	-	483	529	16,452	-	161,930	221,765
6	-	-	571	625	15,106	-	159,568	196,524
7	-	-	417	457	16,040	-	167,997	206,776
8	-	-	407	446	15,151	-	166,762	206,200
9	-	-	492	539	15,244	-	161,690	206,809
10	-	-	535	586	16,036	-	165,948	211,130
11	-	-	743	814	17,052	-	165,328	216,553
12	-	-	511	559	16,795	-	169,997	242,080

転炉ガス Converter furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter & Month
107,597	2,364	49,456	285,424	313,037	380,271	12,899,514	16,658,951	C.Y. 2017
101,199	2,311	51,317	292,065	320,480	358,283	12,088,226	16,123,783	C.Y. 2018
97,760	2,472	42,508	278,245	305,298	391,224	11,830,863	16,274,106	C.Y. 2019
100,866	2,017	36,732	227,035	249,114	438,002	10,796,667	14,968,592	C.Y. 2020
87,205	2,107	47,978	278,302	305,502	301,670	11,888,522	15,571,987	C.Y. 2021
100,093	2,480	41,446	266,895	292,854	400,573	11,812,350	16,344,843	F.Y. 2019
97,942	1,919	38,702	232,455	255,122	413,452	10,751,025	14,680,400	F.Y. 2020
24,371	550	12,119	69,918	76,753	73,808	2,874,261	3,904,602	Q1 2021
22,407	590	11,199	69,758	76,590	66,386	2,912,370	3,885,509	Q2
23,834	319	12,310	68,250	74,917	68,511	3,060,811	3,838,778	Q3
16,593	648	12,350	70,376	77,242	92,965	3,041,280	3,943,098	Q4
4,819	147	4,219	21,678	23,783	25,956	970,825	1,328,513	Jan. 2021
9,163	207	3,835	22,783	25,019	20,703	911,748	1,216,619	Feb.
10,389	196	4,065	25,457	27,951	27,149	991,688	1,359,470	Mar.
7,163	184	3,727	21,945	24,097	20,480	947,553	1,271,500	Apr.
8,715	189	3,671	23,216	25,487	23,265	996,129	1,329,853	May
6,529	217	3,801	24,597	27,006	22,641	968,688	1,284,156	Jun.
7,683	114	4,256	23,254	25,540	27,228	1,030,264	1,277,110	Jul.
8,181	80	4,017	20,365	22,342	19,845	1,021,161	1,289,860	Aug.
7,970	125	4,037	24,631	27,035	21,438	1,009,186	1,271,808	Sep.
6,358	221	3,898	23,324	25,596	24,789	1,044,838	1,318,171	Oct.
5,303	231	4,069	24,400	26,788	44,932	980,495	1,254,854	Nov.
4,932	196	4,383	22,652	24,858	23,244	1,015,947	1,370,073	Dec.

再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	タール Tar t	コークス炉ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	Year, Quarter & Month
-	30,418,594	36,410,219	224,992	115,331	1,857,076	17,397,686	299,377	C.Y. 2017
-	30,114,748	36,056,520	238,304	103,501	1,854,683	16,892,943	379,615	C.Y. 2018
-	30,059,569	36,071,829	170,095	98,693	1,948,013	16,267,655	350,726	C.Y. 2019
-	27,498,827	32,906,048	171,703	108,471	1,815,414	14,908,690	325,080	C.Y. 2020
-	28,462,787	34,296,980	163,513	106,434	1,711,685	16,092,526	430,961	C.Y. 2021
-	30,231,529	36,288,401	175,356	97,694	1,933,965	16,348,798	366,215	F.Y. 2019
-	26,894,891	32,219,507	167,675	107,734	1,754,295	14,737,751	334,100	F.Y. 2020
-	7,032,789	8,472,590	45,741	26,403	407,393	4,020,277	116,179	Q1 2021
-	7,074,060	8,516,647	42,024	28,163	428,102	4,008,389	109,122	Q2
-	7,126,907	8,595,749	39,716	25,431	429,944	3,978,565	113,165	Q3
-	7,229,032	8,711,994	36,032	26,437	446,246	4,085,295	92,495	Q4
-	2,437,384	2,936,094	17,812	7,834	141,068	1,401,691	38,038	Jan. 2021
-	2,182,023	2,626,232	15,906	8,768	133,040	1,208,525	37,569	Feb.
-	2,413,381	2,910,264	12,023	9,801	133,285	1,410,061	40,572	Mar.
-	2,337,877	2,815,366	14,558	9,286	146,647	1,293,776	31,588	Apr.
-	2,400,901	2,889,631	14,252	9,134	142,955	1,377,960	39,070	May
-	2,335,282	2,811,650	13,214	9,743	138,500	1,336,653	38,464	Jun.
-	2,391,963	2,885,835	12,865	8,321	151,043	1,290,353	38,824	Jul.
-	2,386,655	2,877,110	14,280	8,835	140,092	1,353,973	39,806	Aug.
-	2,348,289	2,832,804	12,571	8,275	138,809	1,334,239	34,535	Sep.
-	2,430,039	2,931,981	13,134	7,651	144,879	1,370,995	37,522	Oct.
-	2,358,975	2,838,241	12,127	9,433	152,737	1,317,663	27,122	Nov.
-	2,440,018	2,941,772	10,771	9,353	148,630	1,396,637	27,851	Dec.

Year, Quarter & Month
C.Y. 2017
C.Y. 2018
C.Y. 2019
C.Y. 2020
C.Y. 2021
F.Y. 2019
F.Y. 2020
Q1 2021
Q2
Q3
Q4
Jan. 2021
Feb.
Mar.
Apr.
May
Jun.
Jul.
Aug.
Sep.
Oct.
Nov.
Dec.

⑦ 鉄鋼製品 Iron and steel products

一次投入燃料換算表 Conversion table for primary input fuel

		鉄鋼業 Iron and steel industry							
年 月	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	
	kl	kl	kl	kl	kl	kl	kl	kl	
	平成 29 年	88,799,570	1,889,395	1,707	89,768	24,103	467,465	198,949	268,516
30	88,200,729	1,689,315	1,816	88,725	22,860	362,249	188,105	174,144	
令和 1 年	86,229,093	1,566,122	1,728	83,863	24,627	304,512	157,889	146,623	
2	74,740,387	1,384,546	1,501	75,035	22,227	294,266	164,518	129,748	
3	81,721,792	1,224,895	1,462	84,048	25,112	287,606	144,952	142,654	
令和 1 年度	86,103,564	1,561,269	1,707	81,666	24,979	305,378	157,942	147,436	
2	73,698,266	1,286,512	1,428	75,702	21,957	287,658	158,483	129,175	
3 年 1~3月	20,319,566	299,683	328	20,573	6,102	71,797	37,557	34,240	
4~6	20,347,678	253,068	314	21,748	7,033	67,769	35,372	32,397	
7~9	20,582,545	323,982	390	19,895	5,946	73,602	37,144	36,459	
10~12	20,472,003	348,161	430	21,832	6,031	74,438	34,879	39,559	
3 年 1月	6,969,903	111,737	120	7,020	1,972	26,632	12,291	14,341	
2	6,314,172	93,568	102	6,462	2,080	20,855	11,913	8,942	
3	7,035,491	94,377	106	7,091	2,050	24,311	13,353	10,958	
4	6,642,610	82,679	120	7,042	3,195	22,403	11,983	10,420	
5	6,984,509	85,012	89	7,130	1,861	21,578	11,392	10,186	
6	6,720,559	85,377	105	7,576	1,977	23,788	11,997	11,791	
7	6,895,663	92,713	138	7,075	2,046	26,410	12,312	14,098	
8	6,896,826	111,224	109	5,776	1,947	23,235	11,728	11,507	
9	6,790,056	120,045	143	7,044	1,953	23,957	13,103	10,854	
10	6,825,684	95,497	142	7,143	1,912	26,313	11,723	14,590	
11	6,714,485	151,706	132	7,559	2,089	25,182	11,977	13,204	
12	6,931,834	100,958	156	7,130	2,030	22,943	11,179	11,764	

		鉄鋼業(つづき) Iron and steel industry (continued)							
年 月	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	
	t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	
	平成 29 年	14,252,895	31,281,619	115,331	9,385,672	79,671,075	4,699,593	76,152	24,005
30	14,390,559	31,069,794	103,501	9,331,747	76,687,235	4,650,908	73,849	26,273	
令和 1 年	13,427,598	30,475,528	98,693	9,314,719	75,333,407	4,389,516	71,897	25,030	
2	11,206,585	25,879,544	108,471	8,534,960	62,459,303	3,729,867	71,276	22,239	
3	13,693,966	28,231,878	106,444	8,997,488	68,987,509	4,081,771	80,266	23,895	
令和 1 年度	13,608,086	30,141,337	97,694	9,278,157	74,304,892	4,432,053	75,032	24,114	
2	11,287,006	25,639,033	107,744	8,472,094	61,513,812	3,634,663	68,356	21,997	
3 年 1~3月	3,444,545	7,109,944	26,413	2,216,210	17,141,099	1,019,175	20,437	5,773	
4~6	3,417,557	7,057,556	28,163	2,262,352	17,629,343	1,028,039	22,085	6,371	
7~9	3,422,656	7,144,416	25,431	2,255,918	17,520,676	1,064,094	13,512	5,474	
10~12	3,409,208	6,919,962	26,437	2,263,007	16,696,391	970,463	24,232	6,277	
3 年 1月	1,209,636	2,415,570	7,834	763,747	5,933,456	330,776	6,448	1,803	
2	1,051,557	2,231,433	8,778	684,793	5,283,148	318,261	5,990	1,866	
3	1,183,353	2,462,941	9,801	767,671	5,924,495	370,138	7,999	2,104	
4	1,082,040	2,312,989	9,286	744,859	5,677,097	318,583	8,226	2,073	
5	1,183,959	2,434,599	9,134	771,139	6,183,442	365,840	7,599	2,126	
6	1,151,558	2,309,968	9,743	746,354	5,768,803	343,615	6,260	2,172	
7	1,159,186	2,411,917	8,321	766,469	5,868,115	353,526	7,806	1,778	
8	1,134,920	2,403,722	8,835	753,916	5,981,687	351,366	4,269	1,624	
9	1,128,551	2,328,777	8,275	735,533	5,670,875	359,203	1,437	2,072	
10	1,120,316	2,291,740	7,651	754,696	5,557,235	342,828	7,474	2,017	
11	1,106,127	2,271,516	9,433	745,404	5,347,057	305,102	9,447	2,186	
12	1,182,764	2,356,706	9,353	762,908	5,792,099	322,533	7,311	2,074	

		鉄鋼業(つづき)		鉄鋼製品計 Iron and steel products total					
年 月	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	
	1000kWh	t	kl	kl	kl	kl	kl	kl	
	平成 29 年	48,022,711	4,518,536	57,023,019	1,470,198	517	86,089	21,044	461,875
30	49,131,581	4,429,297	56,744,513	1,291,834	533	85,977	20,544	357,292	
令和 1 年	47,357,376	4,382,540	54,949,063	1,250,468	539	81,617	22,094	300,106	
2	41,536,710	4,192,534	46,064,535	1,074,799	483	73,149	19,747	289,104	
3	46,159,824	4,473,057	52,050,437	918,108	501	82,070	20,864	282,370	
令和 1 年度	46,657,582	4,383,183	54,655,828	1,239,505	541	79,576	22,485	300,993	
2	41,383,679	4,236,572	45,642,601	992,980	472	73,862	19,376	282,202	
3 年 1~3月	11,107,972	1,207,815	12,984,185	223,680	114	19,894	5,290	70,419	
4~6	11,600,671	1,082,014	12,993,802	198,504	122	21,328	5,151	66,420	
7~9	11,557,386	1,044,940	13,160,167	250,510	137	19,550	5,217	72,248	
10~12	11,893,795	1,138,288	12,912,282	245,415	128	21,299	5,206	73,283	
3 年 1月	3,672,636	429,680	4,422,396	76,778	37	6,782	1,776	25,876	
2	3,525,897	336,118	4,032,530	67,930	35	6,275	1,681	20,534	
3	3,909,438	442,017	4,529,259	78,972	42	6,837	1,833	24,010	
4	3,791,863	398,610	4,214,327	64,790	40	6,916	1,724	21,682	
5	3,919,282	350,973	4,482,491	66,070	39	6,988	1,675	21,258	
6	3,889,526	332,431	4,296,983	67,643	43	7,424	1,752	23,480	
7	3,891,996	350,173	4,403,985	69,201	47	6,975	1,818	25,909	
8	3,775,258	373,811	4,413,533	87,110	47	5,652	1,662	22,911	
9	3,890,132	320,956	4,342,648	94,200	43	6,923	1,737	23,428	
10	4,021,882	335,246	4,302,034	79,008	41	7,010	1,676	25,901	
11	4,001,485	386,172	4,217,654	88,000	42	7,400	1,716	24,768	
12	3,870,427	416,870	4,392,595	78,407	45	6,889	1,814	22,613	

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油(石油由来) Reproduction oil (Oil origin) kl	非石油系燃料(原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭(原料炭) Coal for making coke (material coal) t	Year, Quarter & Month
83,267	299,690	48	1,036,372	-	3,107	82,130,619	40,592,230	C.Y. 2017
93,751	300,655	47	910,101	-	3,199	81,634,875	40,222,595	C.Y. 2018
72,964	267,675	34	918,971	-	2,292	79,954,706	40,071,674	C.Y. 2019
70,803	235,540	32	770,165	-	2,680	69,202,166	35,620,727	C.Y. 2020
82,668	234,280	46	499,213	-	1,438	75,893,776	38,167,006	C.Y. 2021
69,548	256,371	33	937,518	-	2,467	79,899,082	40,448,935	F.Y. 2019
72,103	240,401	35	631,905	-	2,479	68,269,270	34,768,839	F.Y. 2020
18,457	63,197	11	113,807	-	405	18,903,097	9,395,983	Q1 2021
18,500	57,673	9	70,447	-	387	18,940,687	9,483,075	Q2
22,027	58,536	15	143,409	-	333	19,111,230	9,585,085	Q3
23,684	54,875	11	171,550	-	313	18,938,762	9,702,863	Q4
8,314	21,117	3	45,526	-	113	6,486,825	3,239,395	Jan. 2021
5,044	19,830	3	37,952	-	153	5,869,380	2,898,678	Feb.
5,099	22,249	5	30,329	-	139	6,546,893	3,257,910	Mar.
5,713	17,721	3	23,796	-	159	6,179,647	3,107,460	Apr.
6,394	19,992	3	24,750	-	129	6,510,653	3,239,982	May
6,393	19,960	3	21,901	-	99	6,250,387	3,135,633	Jun.
7,750	17,047	5	30,375	-	77	6,416,700	3,193,699	Jul.
7,144	19,260	5	54,749	-	109	6,408,576	3,215,351	Aug.
7,133	22,229	5	58,285	-	147	6,285,954	3,176,035	Sep.
8,111	18,172	3	31,601	-	103	6,332,885	3,289,972	Oct.
8,201	19,066	5	96,247	-	117	6,163,855	3,130,870	Nov.
7,372	17,637	3	43,702	-	93	6,442,021	3,282,021	Dec.

液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry)t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter & Month
423,091	1,983,033	2,166,420	10,889,674	14,220	10,811	196,250	-	C.Y. 2017
402,164	2,126,405	2,320,617	11,042,190	11,279	8,409	202,795	-	C.Y. 2018
380,894	2,002,189	2,185,301	10,428,373	12,774	11,814	201,722	-	C.Y. 2019
324,049	1,754,277	1,915,331	8,369,666	13,814	8,598	208,947	-	C.Y. 2020
361,772	2,002,121	2,187,658	10,201,670	13,172	5,736	224,655	-	C.Y. 2021
374,939	1,917,044	2,092,617	10,408,020	14,426	12,047	211,010	-	F.Y. 2019
322,940	1,795,225	1,960,486	8,344,506	13,346	8,471	207,316	-	F.Y. 2020
91,347	514,843	562,401	2,528,998	4,455	2,450	53,457	-	Q1 2021
86,680	480,371	524,745	2,537,565	2,265	2,330	56,422	-	Q2
93,185	500,940	547,269	2,567,149	3,750	79	55,966	-	Q3
90,560	505,967	553,243	2,567,958	2,702	877	58,810	-	Q4
30,731	167,494	182,907	863,224	1,618	541	18,564	-	Jan. 2021
29,006	171,068	186,931	781,051	1,607	851	15,693	-	Feb.
31,609	176,280	192,563	884,723	1,230	1,058	19,200	-	Mar.
30,073	167,618	183,106	805,862	-	837	18,702	-	Apr.
28,718	157,686	172,326	884,399	721	636	19,366	-	May
27,888	155,066	169,313	847,304	1,544	857	18,354	-	Jun.
30,159	170,890	186,718	844,562	1,213	32	19,276	-	Jul.
31,120	164,188	179,362	858,064	1,280	20	18,183	-	Aug.
31,905	165,863	181,189	864,523	1,256	27	18,507	-	Sep.
29,719	166,849	182,399	863,057	560	597	18,989	-	Oct.
30,214	169,982	185,868	861,864	1,111	244	19,593	-	Nov.
30,628	169,136	184,976	843,037	1,031	36	20,228	-	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油(石油由来) Reproduction oil (Oil origin) kl	Year, Quarter & Month
196,030	265,845	-	284,748	48	653,180	-	3,107	C.Y. 2017
185,794	171,498	-	284,310	47	569,290	-	3,199	C.Y. 2018
155,443	144,663	-	249,189	34	657,343	-	2,292	C.Y. 2019
161,987	127,117	-	222,963	32	503,458	-	2,680	C.Y. 2020
142,936	139,435	-	217,138	46	282,145	-	1,438	C.Y. 2021
155,568	145,425	-	238,401	33	662,027	-	2,467	F.Y. 2019
156,007	128,195	-	225,757	35	396,881	-	2,479	F.Y. 2020
37,003	33,416	-	58,126	11	58,845	-	405	Q1 2021
34,837	31,583	-	52,328	9	41,745	-	387	Q2
36,647	35,601	-	54,302	15	93,971	-	333	Q3
34,448	38,835	-	52,382	11	87,584	-	313	Q4
12,056	13,820	-	19,719	3	18,484	-	113	Jan. 2021
11,745	8,789	-	18,123	3	17,898	-	153	Feb.
13,203	10,807	-	20,283	5	22,463	-	139	Mar.
11,732	9,950	-	16,751	3	14,108	-	159	Apr.
11,250	10,008	-	17,914	3	14,350	-	129	May
11,855	11,625	-	17,662	3	13,287	-	99	Jun.
12,154	13,755	-	16,017	5	14,985	-	77	Jul.
11,562	11,349	-	18,325	5	37,628	-	109	Aug.
12,931	10,497	-	19,960	5	41,358	-	147	Sep.
11,599	14,302	-	17,770	3	23,809	-	103	Oct.
11,808	12,961	-	17,454	5	35,681	-	117	Nov.
11,041	11,572	-	17,158	3	28,094	-	93	Dec.

年 月	鉄鋼製品計(つづき) Iron and steel products total (continued)							
	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas
	kl	t	t	t	t	1000m ³	1000m ³	1000m ³
平成 29 年	51,101,335	4,182,011	14,056,594	31,042,991	-	7,328,918	60,242,704	4,075,602
30	50,912,445	4,166,075	14,188,609	30,822,204	-	7,284,656	57,821,402	3,957,927
令和 1 年	49,318,198	3,999,845	13,226,626	30,298,703	-	7,182,349	57,100,862	3,769,165
2	41,152,066	2,713,398	11,001,840	25,704,209	-	6,525,886	45,764,472	3,181,157
3	46,845,486	3,866,429	13,487,024	28,064,467	-	7,111,150	50,830,510	3,391,221
令和 1 年度	49,101,489	4,160,534	13,410,370	29,960,061	-	7,159,341	56,023,817	3,803,704
2	40,821,017	2,547,119	11,079,435	25,467,589	-	6,530,138	44,965,672	3,080,563
3 年 1~3月	11,727,400	922,461	3,392,544	7,062,962	-	1,768,465	12,632,218	843,367
4~6	11,717,530	965,356	3,361,422	7,014,445	-	1,789,270	13,098,205	851,204
7~9	11,839,118	988,784	3,371,603	7,103,984	-	1,782,660	13,025,056	885,694
10~12	11,561,438	989,828	3,361,455	6,883,076	-	1,770,755	12,075,031	810,956
3 年 1月	4,003,040	303,301	1,192,900	2,397,568	-	609,390	4,362,107	276,024
2	3,639,911	271,531	1,035,726	2,214,839	-	538,150	3,911,702	260,828
3	4,084,449	347,629	1,163,917	2,450,555	-	620,925	4,358,410	306,515
4	3,794,399	291,435	1,068,182	2,297,939	-	581,355	4,219,894	264,880
5	4,052,072	349,938	1,155,699	2,420,102	-	614,097	4,615,500	299,147
6	3,871,059	323,983	1,137,541	2,296,404	-	593,818	4,262,811	287,177
7	3,975,273	307,864	1,140,780	2,398,730	-	600,550	4,407,310	294,935
8	3,974,030	337,895	1,119,117	2,389,358	-	600,010	4,447,636	289,111
9	3,889,815	343,025	1,111,706	2,315,896	-	582,099	4,170,110	301,648
10	3,850,341	356,954	1,103,672	2,278,455	-	593,214	3,997,972	279,287
11	3,757,647	292,625	1,090,837	2,258,973	-	579,401	3,856,885	256,447
12	3,953,450	340,249	1,166,945	2,345,648	-	598,139	4,220,174	275,221

年 月	鉄鋼製品計(つづき) Iron and steel products total (continued)				焼結鉱用 for Sintering			
	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil
	t	t	1000kWh	t	kl	kl	kl	kl
平成 29 年	33,853	-	45,019,755	3,813,610	4,461,366	13,267	-	-
30	41,124	-	46,046,033	3,716,394	4,531,641	26,550	-	-
令和 1 年	33,924	-	44,345,461	3,692,601	4,394,543	9,221	-	-
2	30,587	-	38,635,272	3,525,560	3,839,764	11,137	-	-
3	36,443	-	43,264,347	3,794,076	4,421,234	9,984	-	-
令和 1 年度	35,971	-	43,637,700	3,696,567	4,421,858	9,716	-	-
2	31,044	-	38,507,461	3,566,394	3,809,244	12,140	-	-
3 年 1~3月	8,719	-	10,386,339	968,364	1,102,247	3,326	-	-
4~6	9,266	-	10,887,789	939,664	1,114,349	2,262	-	-
7~9	9,531	-	10,828,836	914,407	1,092,765	2,963	-	-
10~12	8,927	-	11,161,383	971,641	1,111,872	1,434	-	-
3 年 1月	3,116	-	3,426,019	345,466	381,167	1,693	-	-
2	2,673	-	3,299,040	257,543	346,142	734	-	-
3	2,930	-	3,661,280	365,355	374,938	899	-	-
4	3,104	-	3,562,851	343,023	366,915	648	-	-
5	2,914	-	3,684,927	311,981	384,805	846	-	-
6	3,248	-	3,640,012	284,660	362,629	768	-	-
7	3,236	-	3,641,756	300,109	354,289	1,011	-	-
8	3,032	-	3,541,565	331,952	374,518	859	-	-
9	3,263	-	3,645,515	282,345	363,959	1,092	-	-
10	2,953	-	3,780,754	303,632	367,357	614	-	-
11	2,541	-	3,756,202	326,857	358,177	570	-	-
12	3,433	-	3,624,427	341,151	386,338	250	-	-

年 月	焼結鉱用(つづき) for Sintering (continued)							
	コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
	t	t	t	1000m ³	1000m ³	1000m ³	t	1000m ³
平成 29 年	-	1,119,499	4,034,546	348,971	1,651,020	104,212	1,547	18,833
30	-	1,160,484	4,057,499	344,072	1,604,090	102,485	875	24,074
令和 1 年	-	1,113,636	3,945,877	340,465	1,650,393	105,252	941	22,500
2	-	1,005,647	3,374,961	313,326	1,437,325	87,892	915	24,193
3	28	1,303,032	3,833,881	360,553	1,640,358	92,592	1,157	23,267
令和 1 年度	-	1,178,299	3,931,338	334,558	1,595,813	104,242	942	21,364
2	-	978,933	3,362,739	318,610	1,477,388	84,351	871	24,251
3 年 1~3月	-	303,401	978,797	86,019	399,342	20,350	217	5,865
4~6	-	348,296	947,034	92,096	444,407	25,711	311	4,946
7~9	28	307,010	956,547	91,005	418,614	22,311	271	6,461
10~12	-	344,324	951,503	91,434	377,995	24,220	358	5,996
3 年 1月	-	113,996	327,781	30,686	146,543	6,402	72	2,148
2	-	95,735	308,124	25,832	126,206	6,600	62	2,168
3	-	93,670	342,892	29,501	126,593	7,348	84	1,549
4	-	109,778	317,102	28,800	144,961	8,145	150	2,221
5	-	124,662	321,949	32,870	161,717	9,213	78	1,314
6	-	113,857	307,983	30,426	137,729	8,353	83	1,411
7	-	89,610	316,747	29,760	146,890	7,354	88	2,639
8	-	102,639	330,438	30,773	146,514	7,558	100	2,209
9	28	114,762	309,362	30,472	125,211	7,399	83	1,613
10	-	128,407	299,256	31,027	132,029	8,502	107	2,060
11	-	94,609	321,748	28,421	114,118	6,876	129	2,076
12	-	121,309	330,499	31,986	131,848	8,842	122	1,860

電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry)t	廃タイヤ Used tires t	Year, Quarter & Month
68,158	24,005	418,408	1,873,831	2,046,918	10,883,380	14,220	10,811	C.Y. 2017
62,737	26,220	397,746	2,016,928	2,200,812	11,037,770	11,279	8,409	C.Y. 2018
60,805	24,975	378,704	1,905,157	2,079,121	10,425,719	12,774	11,814	C.Y. 2019
58,954	22,176	322,053	1,663,750	1,816,269	8,366,212	13,814	8,598	C.Y. 2020
66,845	23,842	359,870	1,912,300	2,089,363	10,199,191	13,172	5,736	C.Y. 2021
64,071	24,053	372,919	1,825,060	1,991,966	10,405,326	14,426	12,047	F.Y. 2019
55,473	21,938	321,096	1,704,512	1,861,214	8,341,072	13,346	8,471	F.Y. 2020
16,530	5,751	90,895	490,704	535,983	2,528,352	4,455	2,450	Q1 2021
18,710	6,363	86,214	460,013	502,467	2,536,958	2,265	2,330	Q2
11,231	5,465	92,718	478,883	523,132	2,566,593	3,750	79	Q3
20,374	6,263	90,043	482,699	527,780	2,567,288	2,702	877	Q4
5,135	1,795	30,571	159,827	174,515	863,012	1,618	541	Jan. 2021
4,788	1,859	28,860	162,590	177,652	780,835	1,607	851	Feb.
6,607	2,097	31,464	168,288	183,816	884,505	1,230	1,058	Mar.
6,933	2,069	29,901	160,197	174,985	805,637	-	837	Apr.
6,512	2,124	28,576	151,359	165,401	884,193	721	636	May
5,265	2,170	27,737	148,457	162,081	847,128	1,544	857	Jun.
6,522	1,774	30,002	163,163	178,263	844,403	1,213	32	Jul.
3,521	1,621	30,967	157,060	171,562	857,889	1,280	20	Aug.
1,187	2,070	31,749	158,660	173,307	864,301	1,256	27	Sep.
6,335	2,014	29,553	159,261	174,095	862,855	560	597	Oct.
7,999	2,181	30,042	161,927	177,054	861,626	1,111	244	Nov.
6,040	2,068	30,448	161,511	176,631	842,807	1,031	36	Dec.

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	Year, Quarter & Month
7,288	144	7,143	1,985	3,601	-	-	4,190,991	C.Y. 2017
4,390	126	4,264	2,118	24,625	-	-	4,233,642	C.Y. 2018
4,709	91	4,618	1,888	2,137	-	-	4,118,750	C.Y. 2019
6,948	1,528	5,420	2,267	969	-	-	3,577,721	C.Y. 2020
5,966	772	5,194	2,131	976	-	-	4,140,741	C.Y. 2021
5,557	294	5,264	1,721	1,892	-	-	4,141,053	F.Y. 2019
7,369	1,522	5,847	2,709	917	-	-	3,549,154	F.Y. 2020
2,074	234	1,840	665	282	-	-	1,031,527	Q1 2021
1,402	218	1,184	412	267	-	-	1,045,567	Q2
1,722	316	1,406	586	427	-	-	1,022,893	Q3
768	4	764	468	-	-	-	1,040,753	Q4
1,179	83	1,096	262	100	-	-	356,089	Jan. 2021
412	63	349	171	83	-	-	324,673	Feb.
483	87	396	231	99	-	-	350,765	Mar.
448	64	384	70	91	-	-	344,677	Apr.
493	81	412	185	93	-	-	361,102	May
462	74	388	157	83	-	-	339,788	Jun.
647	56	591	168	115	-	-	331,719	Jul.
495	109	386	168	134	-	-	350,823	Aug.
580	152	429	250	178	-	-	340,351	Sep.
382	3	379	156	-	-	-	343,679	Oct.
279	1	279	207	-	-	-	334,421	Nov.
106	0	106	104	-	-	-	362,653	Dec.

都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	電力 Electricity 1000kWh	蒸気 Steam t	ペレット用 for Pelletizing		重油計 Heavy fuel oil total kl	Year, Quarter & Month
					計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl		
20,692	-	-	2,720,085	58,984	179,235	3,604	2,577	C.Y. 2017
26,461	-	-	2,873,444	60,064	182,161	3,763	3,044	C.Y. 2018
24,774	-	-	2,827,299	51,615	190,795	1,917	1,441	C.Y. 2019
26,453	-	-	2,654,666	57,290	248,145	3,127	1,981	C.Y. 2020
25,408	-	-	2,865,723	56,851	202,129	2,168	1,413	C.Y. 2021
23,507	-	-	2,875,626	51,904	206,630	2,174	1,719	F.Y. 2019
26,481	-	-	2,620,945	59,917	244,593	3,111	1,847	F.Y. 2020
6,400	-	-	710,952	18,209	58,107	620	409	Q1 2021
5,394	-	-	705,478	12,938	52,808	335	259	Q2
7,051	-	-	711,454	10,534	49,472	499	308	Q3
6,564	-	-	737,839	15,170	41,743	715	437	Q4
2,344	-	-	245,638	7,738	21,590	217	106	Jan. 2021
2,367	-	-	219,303	4,849	16,499	209	157	Feb.
1,688	-	-	246,011	5,622	20,018	194	146	Mar.
2,424	-	-	228,176	5,280	19,913	137	110	Apr.
1,432	-	-	242,413	4,447	13,061	107	82	May
1,538	-	-	234,889	3,211	19,833	91	67	Jun.
2,882	-	-	228,852	3,918	17,852	132	91	Jul.
2,411	-	-	242,778	3,635	14,133	161	90	Aug.
1,758	-	-	239,824	2,982	17,487	205	127	Sep.
2,255	-	-	244,932	4,037	16,260	286	136	Oct.
2,273	-	-	245,509	5,038	6,524	65	25	Nov.
2,036	-	-	247,398	6,095	18,959	364	276	Dec.

年 月		for Pelletizing (continued)							
		Ｂ・Ｃ重油	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	コークス炉 ガス
		Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas
		kl	t	t	kl	kl	t	t	1000m ³
平成	29 年	2,577	620	-	-	173,697	122,043	63,621	30,212
	30	3,044	356	-	-	176,736	137,659	50,404	31,042
令和	1 年	1,441	272	-	-	186,090	141,540	63,047	30,442
	2	1,981	748	-	-	242,963	194,819	93,898	31,957
	3	1,413	496	-	-	198,180	132,246	85,690	29,495
令和	1 年度	1,719	239	-	-	201,631	146,276	80,432	29,240
	2	1,847	849	-	-	239,916	192,587	90,681	31,838
3 年	1～3月	409	138	-	-	57,159	37,615	26,530	8,157
	4～6	259	43	-	-	52,178	35,332	23,281	6,696
	7～9	308	128	-	-	48,650	32,454	20,592	8,057
	10～12	437	187	-	-	40,193	26,845	15,287	6,585
3 年	1月	106	79	-	-	21,293	13,888	10,011	3,132
	2	157	31	-	-	16,153	10,291	7,823	2,519
	3	146	28	-	-	19,713	13,436	8,696	2,505
	4	110	14	-	-	19,702	13,539	8,812	2,383
	5	82	14	-	-	12,856	9,341	4,381	1,930
	6	67	15	-	-	19,620	12,452	10,088	2,383
	7	91	26	-	-	17,601	9,652	9,504	2,712
	8	90	50	-	-	13,856	10,449	4,334	2,565
	9	127	53	-	-	17,192	12,352	6,754	2,780
	10	136	107	-	-	15,470	10,753	5,158	2,648
	11	25	29	-	-	6,321	3,049	3,737	639
	12	276	51	-	-	18,403	13,043	6,392	3,298

年 月		for Pig iron (continued)							
		石油系燃料 (原油換算)	軽油	重油計	A重油	B・C重油	液化石油ガス	オイルコークス	アスファルト
		Oil based fuels (Crude petroleum equivalent)	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Petroleum coke	Asphalt
		kl	kl	kl	kl	kl	t	t	t
平成	29 年	567,764	21	39,269	4,001	35,268	18,014	649,579	-
	30	478,854	26	29,259	4,081	25,178	20,289	544,665	-
令和	1 年	559,226	30	29,000	3,341	25,659	16,624	655,206	-
	2	438,951	24	28,278	7,927	20,350	16,583	501,052	-
	3	277,411	33	20,702	2,571	18,131	13,085	276,911	-
令和	1 年度	564,525	31	31,329	3,882	27,446	15,868	660,135	-
	2	355,790	25	24,985	7,116	17,869	17,537	390,269	-
3 年	1～3月	56,851	7	4,566	809	3,756	4,052	54,305	-
	4～6	46,148	7	5,260	756	4,504	3,728	41,478	-
	7～9	93,414	10	7,211	945	6,266	4,013	93,544	-
	10～12	80,998	9	3,665	61	3,604	1,292	87,584	-
3 年	1月	19,847	3	2,237	281	1,956	1,259	18,384	-
	2	17,745	2	1,033	228	805	1,016	17,815	-
	3	19,259	2	1,296	301	996	1,776	18,106	-
	4	15,267	2	1,680	228	1,452	1,087	14,017	-
	5	15,150	2	1,315	265	1,050	1,144	14,257	-
	6	15,731	3	2,265	263	-2,002	1,498	13,204	-
	7	17,425	3	3,072	178	2,894	1,021	14,870	-
	8	36,457	4	2,505	341	2,165	1,166	37,494	-
	9	39,533	3	1,633	426	1,207	1,826	41,180	-
	10	22,842	2	1,810	58	1,752	311	23,809	-
	11	32,755	3	1,127	1	1,125	643	35,681	-
	12	25,402	4	728	1	727	338	28,094	-

年 月		for Pig iron (continued)							
		液化天然ガス	都市ガス (A)	都市ガス (B)	酸素	廃プラスチック	RPF	電力	蒸気
		Liquefied natural gas	Town gas(A)	Town gas(B)	Oxygen	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam
		t	1000m ³	1000m ³	1000Nm ³	t	t	1000kWh	t
平成	29 年	6,528	99,560	108,903	4,564,060	25,960	-	3,321,599	573,457
	30	5,839	97,048	106,072	4,752,247	32,617	-	3,442,126	501,396
令和	1 年	6,225	83,882	91,844	4,390,023	26,761	-	3,353,550	689,964
	2	4,708	79,456	86,767	3,154,897	23,627	-	2,955,552	596,375
	3	1,373	98,039	107,158	4,432,463	30,406	-	3,157,369	492,370
令和	1 年度	6,766	78,091	85,456	4,400,343	28,969	-	3,365,814	696,312
	2	3,190	86,189	94,127	3,165,077	24,668	-	2,925,671	568,577
3 年	1～3月	264	26,372	28,816	1,088,471	7,275	-	774,434	120,687
	4～6	356	22,393	24,459	1,100,072	7,938	-	767,179	169,148
	7～9	297	26,202	28,628	1,122,292	8,108	-	797,793	146,141
	10～12	455	23,072	25,255	1,121,628	7,085	-	817,963	56,393
3 年	1月	98	8,809	9,625	379,994	2,410	-	265,008	25,076
	2	78	9,036	9,874	328,988	2,199	-	242,100	25,699
	3	88	8,527	9,316	379,489	2,666	-	267,326	69,913
	4	206	8,236	8,998	344,171	2,729	-	246,304	56,920
	5	65	7,162	7,821	386,529	2,416	-	264,001	59,318
	6	85	6,996	7,640	369,372	2,793	-	256,875	52,910
	7	83	8,720	9,528	362,503	2,810	-	265,340	40,073
	8	103	8,424	9,203	382,832	2,552	-	263,753	55,816
	9	112	9,057	9,897	376,957	2,746	-	268,700	50,252
	10	139	7,615	8,336	380,078	2,263	-	276,284	13,982
	11	195	7,563	8,277	368,776	2,064	-	274,247	18,699
	12	120	7,895	8,642	372,774	2,758	-	267,433	23,712

高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	液化天然ガス Liquefied natural gas	都市ガス(A) Town gas(A)	都市ガス(B) Town gas(B)	電力 Electricity	蒸気 Steam	鉄鋼用 for Pig iron		Year, Quarter & Month
							計 (原油換算) Total (Crude petroleum equivalent)	計 (原油換算) Total (Crude petroleum equivalent)	
1000m ³	1000m ³	t	1000m ³	1000m ³	1000kWh	t	kl	kl	
294,407	5,353	526	-	-	18,791	2,694	36,091,933	C.Y. 2017	
317,299	6,823	-	569	623	14,185	4,956	35,770,412	C.Y. 2018	
292,722	4,145	-	781	855	26,608	4,524	34,739,871	C.Y. 2019	
264,126	4,176	-	558	611	17,675	5,948	28,351,436	C.Y. 2020	
301,293	4,460	-	476	521	12,456	8,995	32,388,362	C.Y. 2021	
291,104	4,666	-	672	736	26,920	4,649	34,624,534	F.Y. 2019	
272,722	3,692	-	580	635	12,226	6,200	27,968,603	F.Y. 2020	
78,278	1,103	-	149	163	2,493	1,384	8,058,068	Q1 2021	
76,564	1,143	-	71	78	2,102	1,437	8,122,482	Q2	
73,456	968	-	104	114	1,791	2,271	8,214,107	Q3	
72,996	1,246	-	152	167	6,071	3,904	7,993,704	Q4	
28,117	326	-	101	111	277	787	2,756,016	Jan. 2021	
20,877	326	-	28	31	1,305	222	2,491,800	Feb.	
29,283	451	-	20	22	911	375	2,810,252	Mar.	
28,461	329	-	19	20	403	529	2,620,520	Apr.	
23,292	384	-	26	29	705	475	2,822,913	May	
24,810	430	-	26	29	994	433	2,679,049	Jun.	
26,585	308	-	25	27	416	1,162	2,738,760	Jul.	
23,065	211	-	37	40	699	724	2,763,315	Aug.	
23,807	448	-	43	47	676	385	2,712,032	Sep.	
29,870	501	-	86	94	4,383	1,397	2,682,190	Oct.	
11,601	201	-	13	14	698	1,068	2,600,978	Nov.	
31,524	544	-	53	58	991	1,439	2,710,536	Dec.	

再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	コークス製造用炭 (原料炭) Coal for making coke (material coal)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	Year, Quarter & Month
kl	kl	t	t	t	1000m ³	1000m ³	1000m ³	
-	35,175,545	4,182,011	10,230,103	26,304,825	1,296,147	36,836,132	1,459,283	C.Y. 2017
-	34,936,704	4,166,075	10,245,644	26,084,700	1,272,826	35,996,970	1,371,946	C.Y. 2018
-	33,820,995	3,999,837	9,468,910	25,657,359	1,269,865	35,150,382	1,425,354	C.Y. 2019
-	27,596,328	2,712,753	7,561,485	21,694,695	1,169,305	27,992,419	1,162,637	C.Y. 2020
-	31,783,208	3,859,122	9,637,899	23,586,315	1,187,211	31,237,788	1,246,172	C.Y. 2021
-	33,698,780	4,160,533	9,564,819	25,315,908	1,272,124	34,644,759	1,418,122	F.Y. 2019
-	27,301,357	2,546,474	7,628,364	21,505,457	1,172,753	27,327,730	1,134,279	F.Y. 2020
-	7,920,835	922,461	2,396,032	5,927,077	298,038	7,739,342	313,813	Q1 2021
-	7,993,277	965,319	2,453,559	5,902,159	299,145	7,963,732	317,955	Q2
-	8,036,378	981,514	2,377,211	5,988,071	295,098	8,062,444	329,921	Q3
-	7,832,718	989,828	2,411,097	5,769,008	294,931	7,472,270	284,483	Q4
-	2,709,784	303,301	846,863	2,015,913	102,087	2,626,164	109,689	Jan. 2021
-	2,449,758	271,531	726,756	1,859,403	93,518	2,399,871	94,173	Feb.
-	2,761,294	347,629	822,412	2,051,761	102,432	2,713,307	109,952	Mar.
-	2,578,407	291,435	792,260	1,925,192	99,007	2,543,621	102,184	Apr.
-	2,779,104	349,938	846,528	2,045,081	100,510	2,780,704	110,569	May
-	2,635,766	323,946	814,770	1,931,886	99,628	2,639,407	105,203	Jun.
-	2,693,882	307,784	809,788	2,023,772	97,938	2,671,975	113,670	Jul.
-	2,698,465	337,895	785,326	2,008,236	98,738	2,754,026	109,111	Aug.
-	2,644,031	335,835	782,097	1,956,063	98,422	2,636,444	107,140	Sep.
-	2,632,681	356,954	800,356	1,926,205	99,755	2,473,496	101,018	Oct.
-	2,541,420	292,625	804,795	1,881,047	93,819	2,420,004	91,187	Nov.
-	2,658,617	340,249	805,947	1,961,756	101,357	2,578,770	92,279	Dec.

フェロアロイ用 for Ferro-alloys								Year, Quarter & Month
計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	液化石油ガス Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
894,146	91,551	820	790	76,542	5,528	71,014	3,593	C.Y. 2017
933,430	92,888	1,018	740	78,214	6,205	72,009	3,092	C.Y. 2018
907,508	80,890	1,033	710	68,367	5,344	63,022	2,755	C.Y. 2019
711,098	55,307	427	543	45,824	5,267	40,557	2,109	C.Y. 2020
790,534	67,091	561	561	58,036	6,353	51,682	2,101	C.Y. 2021
891,971	74,491	891	666	62,836	5,037	57,799	2,422	F.Y. 2019
671,512	56,055	405	538	46,885	5,849	41,036	2,051	F.Y. 2020
171,383	15,413	92	124	13,313	1,651	11,662	487	Q1 2021
194,690	16,358	124	132	14,236	1,519	12,717	425	Q2
200,129	18,259	182	148	15,864	1,501	14,364	522	Q3
224,333	17,061	164	157	14,622	1,683	12,939	667	Q4
60,082	4,614	31	48	3,915	487	3,428	202	Jan. 2021
50,069	4,837	34	34	4,186	555	3,631	129	Feb.
61,232	5,962	27	42	5,211	608	4,603	156	Mar.
61,012	4,522	38	38	3,867	401	3,466	132	Apr.
66,874	5,450	38	40	4,755	567	4,188	141	May
66,804	6,386	48	54	5,614	551	5,063	152	Jun.
74,154	6,372	61	58	5,578	404	5,174	168	Jul.
68,184	6,191	67	52	5,374	554	4,820	182	Aug.
57,791	5,695	54	38	4,913	543	4,370	172	Sep.
69,704	5,955	61	50	5,104	463	4,641	230	Oct.
78,903	5,689	57	52	4,862	611	4,252	224	Nov.
75,725	5,417	46	55	4,656	609	4,047	212	Dec.

年 月	フェロアロイ用(つづき) for Ferro-alloys (continued)							
	オイルコークス	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	タール	コークス炉 ガス	高炉ガス
	Petroleum coke	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Tar	Coke oven gas	Blast furnace gas
	t	kl	kl	t	t	t	1000m ³	1000m ³
平成 29 年	-	2,711	624,567	503,633	308,124	-	10,584	247,774
30	-	2,803	653,782	542,567	309,272	-	10,205	273,146
令和 1 年	-	1,896	634,657	516,763	307,993	-	10,778	254,575
2	-	2,284	508,276	378,423	272,560	-	13,182	210,734
3	-	1,042	558,352	409,243	302,525	-	10,594	225,294
令和 1 年度	-	2,071	629,226	510,598	305,955	-	11,717	249,685
2	-	2,083	479,252	349,324	262,979	-	12,406	196,169
3 年 1~3月	-	306	121,439	86,207	68,982	-	2,086	38,011
4~6	-	288	135,191	93,482	78,964	-	2,368	46,364
7~9	-	234	142,647	109,393	73,734	-	2,767	64,485
10~12	-	214	159,074	120,161	80,845	-	3,374	76,434
3 年 1月	-	80	42,919	31,949	23,390	-	816	11,993
2	-	120	35,240	25,262	20,150	-	563	8,937
3	-	106	43,280	28,996	25,442	-	707	17,081
4	-	126	43,373	29,762	25,492	-	751	13,193
5	-	96	46,366	32,466	26,914	-	689	15,056
6	-	66	45,452	31,254	26,558	-	928	18,115
7	-	44	52,443	38,093	28,364	-	894	25,205
8	-	76	48,664	38,613	24,204	-	915	21,299
9	-	114	41,541	32,687	21,166	-	958	17,981
10	-	70	48,293	35,944	24,920	-	1,174	22,366
11	-	84	56,178	41,019	29,483	-	1,087	29,132
12	-	60	54,603	43,198	26,442	-	1,112	24,935

年 月	フェロアロイ用(つづき) 製鋼用計 for Steelmaking total							
	蒸気	計 (原油換算)	石油系燃料 (原油換算)	灯油	軽油	重油計	A重油	B・C重油
	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C
	t	kl	kl	kl	kl	kl	kl	kl
平成 29 年	21,648	4,220,221	175,681	8,708	1,684	48,961	36,933	12,028
30	24,205	4,213,388	159,549	9,211	1,554	36,630	28,551	8,079
令和 1 年	24,503	4,036,025	148,494	9,094	1,711	32,023	23,568	8,455
2	25,443	3,529,561	136,949	8,588	1,515	34,232	23,442	10,790
3	25,322	3,928,915	119,580	9,411	1,745	28,059	20,066	7,993
令和 1 年度	24,527	3,981,741	146,530	8,999	1,702	31,206	21,693	9,512
2	25,691	3,534,047	133,785	8,750	1,539	34,160	23,687	10,473
3 年 1~3月	6,270	977,664	32,721	2,325	458	7,677	5,349	2,328
4~6	6,072	980,418	30,591	2,550	428	7,041	5,208	1,833
7~9	5,862	988,193	29,536	2,174	422	7,269	5,187	2,082
10~12	7,118	982,640	26,731	2,362	437	6,072	4,322	1,750
3 年 1月	2,383	319,642	11,487	763	160	2,921	1,764	1,157
2	1,705	309,611	9,698	741	146	2,171	1,626	545
3	2,182	348,412	11,536	821	152	2,585	1,959	627
4	2,168	319,076	10,049	796	135	2,481	1,812	669
5	2,029	334,744	10,482	855	150	2,303	1,701	602
6	1,876	326,598	10,059	899	143	2,257	1,695	562
7	2,149	327,252	9,613	731	146	2,441	1,722	719
8	1,895	321,752	9,473	617	142	2,270	1,640	630
9	1,818	339,189	10,450	826	134	2,559	1,826	733
10	2,321	332,837	9,059	766	140	2,219	1,456	763
11	2,425	325,193	8,640	835	143	2,067	1,398	669
12	2,371	324,611	9,032	760	154	1,786	1,467	319

年 月	製鋼用計(つづき) for Steelmaking total (continued)							
	石炭コークス (ピッチコークスを含む)	コークス炉 ガス	高炉ガス	転炉ガス	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)
	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas	Converter furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)
	t	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³
平成 29 年	213,376	525,299	3,490,983	188,948	2,116	15,021	142,271	155,596
30	215,207	507,307	3,276,967	184,150	3,298	17,646	143,059	156,259
令和 1 年	212,810	520,011	3,320,801	180,529	3,124	18,579	131,095	143,142
2	190,239	485,217	2,521,602	145,765	2,774	16,685	132,696	144,733
3	201,529	510,931	2,744,521	161,223	2,709	12,828	152,609	166,682
令和 1 年度	211,708	522,256	3,205,703	185,595	3,033	18,484	128,183	139,923
2	185,429	482,275	2,457,096	135,224	2,729	15,547	137,454	149,942
3 年 1~3月	48,890	127,736	669,990	37,638	627	3,786	37,790	41,244
4~6	49,129	126,233	735,901	44,059	752	2,540	37,609	41,056
7~9	50,462	125,446	714,601	40,075	658	3,727	38,108	41,628
10~12	53,048	131,516	624,028	39,451	672	2,774	39,103	42,754
3 年 1月	16,154	46,854	233,374	12,010	193	1,256	12,693	13,853
2	15,499	38,408	208,529	11,735	193	1,097	12,320	13,443
3	17,237	42,474	228,087	13,892	241	1,433	12,777	13,948
4	16,493	41,596	232,591	12,801	238	994	12,643	13,804
5	17,443	43,244	270,948	16,364	268	838	12,384	13,513
6	15,193	41,393	232,362	14,894	246	708	12,582	13,739
7	16,114	41,194	248,638	12,736	213	916	12,761	13,939
8	16,845	41,870	248,771	12,695	207	1,339	12,691	13,868
9	17,503	42,382	217,192	14,644	238	1,472	12,656	13,822
10	18,585	44,632	207,240	13,639	246	932	13,390	14,631
11	18,624	40,464	196,076	11,142	231	989	13,061	14,283
12	15,839	46,420	220,713	14,670	195	854	12,652	13,840

転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス(A) Town gas(A) 1000m ³	都市ガス(B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	電力 Electricity 1000kWh	Year, Quarter & Month
7,611	60,843	2,537	145	157	52,733	142	1,897,715	C.Y. 2017
9,074	58,410	2,193	1,179	1,289	52,295	186	1,989,682	C.Y. 2018
6,944	58,881	2,111	1,940	2,122	51,904	148	2,045,377	C.Y. 2019
6,325	57,172	1,986	1,006	1,096	34,546	46	1,566,876	C.Y. 2020
5,884	64,846	2,064	1,419	1,547	50,412	334	1,755,919	C.Y. 2021
7,363	62,125	2,374	1,557	1,703	48,537	183	2,005,504	F.Y. 2019
5,497	53,622	1,813	895	973	36,496	38	1,445,108	F.Y. 2020
1,213	15,973	618	216	235	11,718	38	366,546	Q1 2021
1,295	18,215	432	271	296	12,570	23	459,245	Q2
1,418	10,879	387	484	529	13,304	20	417,295	Q3
1,958	19,779	627	447	488	12,820	253	512,833	Q4
384	4,952	303	46	50	3,699	-	133,124	Jan. 2021
327	4,618	144	16	17	3,635	38	106,153	Feb.
502	6,404	171	154	169	4,384	-	127,269	Mar.
324	6,739	138	105	114	4,084	-	139,392	Apr.
457	6,338	157	25	27	4,505	13	160,359	May
515	5,138	137	142	155	3,981	10	159,494	Jun.
485	6,344	139	163	178	4,576	8	163,301	Jul.
409	3,390	165	165	180	4,315	6	141,883	Aug.
524	1,144	83	156	170	4,413	6	112,111	Sep.
583	6,149	191	171	187	4,148	24	164,428	Oct.
725	7,782	181	183	200	4,403	72	181,342	Nov.
651	5,848	255	93	101	4,269	157	167,062	Dec.

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	Year, Quarter & Month
-	87,634	-	-	396	2,603,778	-	828,059	C.Y. 2017
-	84,786	-	-	396	2,567,156	-	811,939	C.Y. 2018
-	79,857	-	-	396	2,498,132	-	788,648	C.Y. 2019
-	69,745	-	-	396	2,174,548	-	707,208	C.Y. 2020
-	61,620	-	-	396	2,418,268	1,083	789,801	C.Y. 2021
-	79,007	-	-	396	2,483,509	-	793,864	F.Y. 2019
-	67,539	-	-	396	2,170,922	-	717,386	F.Y. 2020
-	17,059	-	-	99	610,882	-	210,120	Q1 2021
-	15,795	-	-	99	596,022	-	179,538	Q2
-	15,066	-	-	99	616,567	1,083	210,852	Q3
-	13,700	-	-	99	594,797	-	189,291	Q4
-	5,834	-	-	33	200,911	-	61,084	Jan. 2021
-	5,097	-	-	33	191,799	-	66,134	Feb.
-	6,128	-	-	33	218,172	-	82,902	Mar.
-	5,089	-	-	33	193,344	-	58,358	Apr.
-	5,511	-	-	33	204,451	-	57,991	May
-	5,195	-	-	33	198,227	-	63,189	Jun.
-	4,819	-	-	33	203,841	-	70,117	Jul.
-	4,935	-	-	33	203,653	-	67,254	Aug.
-	5,313	-	-	33	209,073	1,083	73,480	Sep.
-	4,539	-	-	33	201,126	-	62,627	Oct.
-	4,287	-	-	33	193,246	-	60,376	Nov.
-	4,874	-	-	33	200,425	-	66,287	Dec.

酸素 Oxygen 1000Nm ³	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	製鋼用(転炉) for Steelmaking (LD converters)		Year, Quarter & Month
						計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	
5,722,123	10,811	7,751	-	15,226,144	352,656	2,516,723	136,298	C.Y. 2017
5,712,850	8,409	8,321	-	15,697,616	382,507	2,482,152	132,425	C.Y. 2018
5,436,411	11,814	7,015	-	14,680,714	343,618	2,413,677	126,096	C.Y. 2019
4,614,583	8,598	6,914	-	12,851,050	327,215	2,114,073	114,282	C.Y. 2020
5,275,242	5,736	5,703	-	14,665,327	388,460	2,302,307	93,749	C.Y. 2021
5,404,720	12,047	6,819	-	14,279,546	338,142	2,406,305	124,820	F.Y. 2019
4,602,657	8,471	6,338	-	12,965,709	336,036	2,103,595	110,331	F.Y. 2020
1,318,732	2,450	1,406	-	3,516,980	99,824	584,723	26,639	Q1 2021
1,323,704	2,330	1,305	-	3,735,822	90,947	569,905	23,916	Q2
1,326,572	79	1,403	-	3,608,663	92,600	588,407	23,300	Q3
1,306,234	877	1,589	-	3,803,863	105,089	559,271	19,895	Q4
441,465	541	706	-	1,125,116	37,351	196,036	9,460	Jan. 2021
416,216	851	436	-	1,141,219	28,274	181,405	7,784	Feb.
461,051	1,058	264	-	1,250,645	34,198	207,282	9,395	Mar.
425,422	837	375	-	1,217,115	35,634	184,460	7,874	Apr.
458,351	636	485	-	1,267,648	27,336	197,678	8,224	May
439,931	857	445	-	1,251,059	27,978	187,767	7,817	Jun.
437,632	32	418	-	1,199,210	32,454	195,850	7,538	Jul.
439,207	20	474	-	1,142,783	33,574	196,327	7,608	Aug.
449,733	27	511	-	1,266,670	26,571	196,230	8,154	Sep.
442,196	597	666	-	1,296,254	29,949	188,528	6,785	Oct.
432,241	244	405	-	1,297,004	38,410	179,799	6,342	Nov.
431,797	36	518	-	1,210,605	36,730	190,944	6,768	Dec.

年 月		製鋼用(転炉)(つづき) for Steelmaking (LD converters) (continued)							
		灯油	軽油	重油計	A重油	B・C重油	液化石油ガス	アスファルト	再生油 (石油由来)
		Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)
		kl	kl	kl	kl	kl	t	t	kl
平成	29年	406	1,672	23,467	13,167	10,299	83,669	-	-
	30年	406	1,542	19,631	13,286	6,345	83,986	-	-
令和	1年	350	1,699	19,417	12,690	6,726	79,232	-	-
	2年	237	1,503	20,919	11,873	9,046	69,176	-	-
	3年	363	1,734	12,049	5,785	6,264	61,119	-	-
令和	1年度	336	1,690	19,230	11,447	7,783	78,362	-	-
	2年	237	1,528	20,143	11,414	8,729	67,004	-	-
3年	1~3月	70	456	4,053	2,157	1,896	16,924	-	-
	4~6月	98	425	3,007	1,607	1,401	15,664	-	-
	7~9月	97	419	3,294	1,644	1,650	14,956	-	-
	10~12月	98	434	1,695	377	1,318	13,575	-	-
3年	1月	28	160	1,697	684	1,013	5,789	-	-
	2月	28	145	1,035	634	401	5,056	-	-
	3月	14	151	1,321	838	483	6,079	-	-
	4月	28	134	1,144	619	525	5,042	-	-
	5月	28	149	931	473	458	5,470	-	-
	6月	42	142	933	515	418	5,152	-	-
	7月	27	145	1,134	560	575	4,779	-	-
	8月	28	141	1,055	569	486	4,902	-	-
	9月	42	133	1,105	516	589	5,276	-	-
	10月	28	139	751	133	619	4,496	-	-
	11月	42	142	624	100	524	4,246	-	-
	12月	28	153	320	145	175	4,833	-	-

年 月		製鋼用(転炉)(つづき) for Steelmaking (LD converters) (continued)							
		都市ガス (A)	都市ガス (B)	酸素	廃タイヤ	廃プラスチック	RPF	電力	蒸気
		Town gas(A)	Town gas(B)	Oxygen	Used tires	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam
		1000m ³	1000m ³	1000Nm ³	t	t	t	1000kWh	t
平成	29年	45,351	49,689	4,931,546	10,811	7,751	-	2,853,863	297,024
	30年	45,308	49,616	4,892,353	8,409	8,321	-	3,001,733	333,442
令和	1年	41,811	45,838	4,659,444	11,814	7,015	-	2,971,116	306,951
	2年	54,054	59,122	3,916,858	8,598	6,914	-	2,654,936	297,274
	3年	57,460	62,896	4,484,599	5,736	5,703	-	2,839,602	362,207
令和	1年度	41,562	45,550	4,643,714	12,047	6,819	-	2,945,803	305,846
	2年	56,375	61,658	3,897,344	8,471	6,338	-	2,656,370	307,329
3年	1~3月	14,317	15,666	1,126,444	2,450	1,406	-	710,298	92,452
	4~6月	13,486	14,755	1,123,286	2,330	1,305	-	723,293	83,674
	7~9月	15,157	16,584	1,138,242	79	1,403	-	707,709	88,620
	10~12月	14,500	15,892	1,096,627	877	1,589	-	698,301	97,461
3年	1月	5,087	5,566	380,717	541	706	-	244,432	35,728
	2月	4,853	5,310	353,371	851	436	-	221,920	23,828
	3月	4,377	4,790	392,356	1,058	264	-	243,946	32,896
	4月	4,865	5,323	359,993	837	375	-	242,734	32,893
	5月	4,309	4,714	391,483	636	485	-	244,457	26,124
	6月	4,312	4,718	371,810	857	445	-	236,101	24,657
	7月	5,321	5,822	375,239	32	418	-	239,733	31,204
	8月	5,366	5,871	381,150	20	474	-	236,399	32,269
	9月	4,470	4,890	381,853	27	511	-	231,577	25,147
	10月	4,989	5,468	369,915	597	666	-	238,071	28,151
	11月	4,555	4,992	360,585	244	405	-	226,769	33,888
	12月	4,956	5,432	366,127	36	518	-	233,461	35,423

年 月		製鋼用(電気炉)(つづき) for Steelmaking (Electric furnaces) (continued)							
		液化石油ガス	オイルコークス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭	石炭コークス (ピッチコークスを含む)	コークス炉 ガス
		Liquefied petroleum gas	Petroleum coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal	Coal coke (including pitch coke)	Coke oven gas
		t	t	t	kl	kl	t	t	1000m ³
平成	29年	3,965	-	-	396	509,359	157,981	152,314	21,709
	30年	800	-	-	396	519,708	154,735	151,363	20,173
令和	1年	625	-	-	396	508,151	159,509	152,933	19,710
	2年	569	-	-	396	442,276	139,020	125,276	19,210
	3年	501	-	-	396	498,896	138,442	151,418	22,082
令和	1年度	645	-	-	396	497,192	158,674	148,475	19,274
	2年	535	-	-	396	446,005	135,746	127,824	19,663
3年	1~3月	135	-	-	99	125,262	37,353	37,723	5,291
	4~6月	131	-	-	99	123,099	32,005	37,382	5,656
	7~9月	110	-	-	99	123,419	34,869	37,797	5,546
	10~12月	125	-	-	99	127,116	34,215	38,516	5,589
3年	1月	45	-	-	33	39,542	11,298	11,773	1,852
	2月	41	-	-	33	40,469	12,553	12,145	1,542
	3月	49	-	-	33	45,251	13,502	13,805	1,897
	4月	47	-	-	33	41,612	12,228	12,296	1,966
	5月	41	-	-	33	39,543	7,956	13,115	1,669
	6月	43	-	-	33	41,945	11,821	11,971	2,022
	7月	40	-	-	33	39,986	11,966	11,475	2,071
	8月	33	-	-	33	39,155	11,019	12,113	1,749
	9月	37	-	-	33	44,278	11,884	14,209	1,725
	10月	43	-	-	33	43,475	12,009	12,625	1,915
	11月	41	-	-	33	43,226	10,856	13,617	1,653
	12月	41	-	-	33	40,414	11,351	12,274	2,020

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month
2,094,419	-	670,078	61,062	503,590	3,455,674	180,647	6,742	C.Y. 2017
2,047,448	-	657,204	63,844	487,135	3,240,372	175,930	4,863	C.Y. 2018
1,989,981	-	629,139	59,877	500,301	3,278,088	170,242	4,757	C.Y. 2019
1,732,272	-	568,189	64,963	466,007	2,491,781	138,411	4,154	C.Y. 2020
1,919,372	1,083	651,359	50,111	488,850	2,693,041	151,065	2,297	C.Y. 2021
1,986,316	-	635,190	63,233	502,982	3,165,837	175,518	4,898	F.Y. 2019
1,724,917	-	581,640	57,605	462,612	2,427,081	128,576	3,185	F.Y. 2020
485,620	-	172,767	11,167	122,445	661,602	35,934	491	Q1 2021
472,923	-	147,533	11,747	120,577	718,149	41,330	644	Q2
493,148	1,083	175,983	12,665	119,901	697,812	37,386	492	Q3
467,681	-	155,076	14,532	125,927	615,478	36,415	669	Q4
161,369	-	49,787	4,381	45,003	230,203	11,449	176	Jan. 2021
151,330	-	53,581	3,354	36,866	205,904	11,249	152	Feb.
172,921	-	69,400	3,432	40,577	225,495	13,235	163	Mar.
151,732	-	46,129	4,197	39,630	225,327	11,762	343	Apr.
164,908	-	50,036	4,328	41,575	266,509	15,669	149	May
156,282	-	51,368	3,222	39,372	226,313	13,898	153	Jun.
163,855	-	58,151	4,639	39,123	241,973	11,721	163	Jul.
164,498	-	56,236	4,732	40,121	243,330	11,871	173	Aug.
164,795	1,083	61,596	3,294	40,657	212,509	13,794	156	Sep.
157,651	-	50,619	5,960	42,717	203,214	12,488	230	Oct.
150,020	-	49,520	5,007	38,811	193,157	10,286	228	Nov.
160,010	-	54,937	3,565	44,400	219,107	13,641	211	Dec.

製鋼用(電気炉) for Steelmaking (Electric furnaces)								Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	
1,703,498	39,384	8,302	12	25,495	23,766	1,729	-	C.Y. 2017
1,731,235	27,123	8,805	12	16,999	15,265	1,734	-	C.Y. 2018
1,622,348	22,398	8,744	12	12,607	10,878	1,729	-	C.Y. 2019
1,415,488	22,667	8,351	12	13,313	11,570	1,744	-	C.Y. 2020
1,626,609	25,830	9,048	11	16,010	14,280	1,729	-	C.Y. 2021
1,575,436	21,710	8,663	12	11,976	10,247	1,729	-	F.Y. 2019
1,430,452	23,454	8,513	11	14,017	12,273	1,744	-	F.Y. 2020
392,941	6,083	2,255	2	3,624	3,192	432	-	Q1 2021
410,513	6,676	2,452	3	4,034	3,601	432	-	Q2
399,786	6,236	2,077	3	3,975	3,543	432	-	Q3
423,369	6,836	2,264	3	4,377	3,944	432	-	Q4
123,606	2,027	735	-	1,224	1,080	144	-	Jan. 2021
128,206	1,914	713	1	1,136	992	144	-	Feb.
141,129	2,142	807	1	1,264	1,120	144	-	Mar.
134,616	2,175	768	1	1,337	1,193	144	-	Apr.
137,066	2,259	827	1	1,372	1,228	144	-	May
138,831	2,242	857	1	1,324	1,180	144	-	Jun.
131,402	2,075	704	1	1,306	1,162	144	-	Jul.
125,425	1,866	589	1	1,215	1,071	144	-	Aug.
142,959	2,295	784	1	1,454	1,310	144	-	Sep.
144,309	2,274	738	1	1,468	1,323	144	-	Oct.
145,393	2,298	793	1	1,443	1,298	144	-	Nov.
133,666	2,264	732	1	1,467	1,323	144	-	Dec.

高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	Year, Quarter &Month
35,309	8,301	2,116	8,279	96,920	105,907	790,577	-	C.Y. 2017
36,595	8,220	3,298	12,782	97,752	106,643	820,497	-	C.Y. 2018
42,714	10,286	3,124	13,822	89,284	97,304	776,967	-	C.Y. 2019
29,821	7,354	2,774	12,531	78,642	85,611	697,725	-	C.Y. 2020
51,480	10,159	2,709	10,531	95,149	103,785	790,643	-	C.Y. 2021
39,866	10,077	3,033	13,586	86,621	94,374	761,006	-	F.Y. 2019
30,014	6,648	2,729	12,363	81,079	88,285	705,313	-	F.Y. 2020
8,389	1,704	627	3,295	23,473	25,578	192,288	-	Q1 2021
17,752	2,729	752	1,896	24,123	26,301	200,418	-	Q2
16,789	2,689	658	3,236	22,950	25,045	188,330	-	Q3
8,550	3,036	672	2,105	24,602	26,862	209,607	-	Q4
3,172	561	193	1,080	7,607	8,287	60,748	-	Jan. 2021
2,626	486	193	945	7,466	8,132	62,845	-	Feb.
2,592	657	241	1,270	8,400	9,159	68,695	-	Mar.
7,264	1,038	238	651	7,778	8,481	65,429	-	Apr.
4,439	695	268	689	8,075	8,798	66,868	-	May
6,049	996	246	556	8,270	9,022	68,121	-	Jun.
6,665	1,015	213	753	7,439	8,117	62,393	-	Jul.
5,441	824	207	1,166	7,325	7,997	58,057	-	Aug.
4,683	850	238	1,316	8,186	8,931	67,880	-	Sep.
4,025	1,151	246	702	8,400	9,163	72,281	-	Oct.
2,919	856	231	761	8,506	9,291	71,656	-	Nov.
1,606	1,029	195	642	7,696	8,407	65,670	-	Dec.

年 月	製鋼用(電気炉)(つづき) for Steelmaking (Electric furnaces)(continued)			鍛鋼用 for Steel forgings				
	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil
	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	Steam t	kl	kl	kl	kl	kl
平成 29 年	-	12,372,280	55,632	222,223	42,641	-	10,907	755
30 年	-	12,695,883	49,066	222,770	38,744	-	10,083	710
令和 1 年	-	11,709,598	36,668	199,206	31,247	-	9,316	641
2 年	-	10,196,114	29,941	156,227	24,857	-	6,385	540
3 年	-	11,825,726	26,253	181,241	25,391	-	6,200	566
令和 1 年度	-	11,333,743	32,296	188,641	29,722	-	8,666	618
2 年度	-	10,309,339	28,707	156,143	23,891	-	6,006	538
3 年 1~3月	-	2,806,681	7,372	43,114	6,112	-	1,563	146
4~6	-	3,012,529	7,274	44,055	6,167	-	1,523	143
7~9	-	2,900,953	3,979	45,420	6,282	-	1,517	137
10~12	-	3,105,561	7,627	48,652	6,830	-	1,597	140
3 年 1月	-	880,684	1,624	13,264	1,865	-	444	47
2	-	919,299	4,447	14,130	1,994	-	544	48
3	-	1,006,699	1,302	15,720	2,253	-	575	51
4	-	974,380	2,741	14,556	2,095	-	523	52
5	-	1,023,191	1,212	13,657	1,836	-	442	39
6	-	1,014,958	3,321	15,843	2,237	-	558	52
7	-	959,477	1,250	15,623	2,376	-	544	54
8	-	906,384	1,305	14,325	1,680	-	451	40
9	-	1,035,092	1,425	15,471	2,226	-	522	43
10	-	1,058,183	1,798	16,048	2,268	-	523	41
11	-	1,070,235	4,522	17,127	2,461	-	552	50
12	-	977,143	1,307	15,477	2,101	-	522	49

年 月	鍛鋼用(つづき) for Steel forgings (continued)							
	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	酸素 Oxygen
	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³	1000Nm ³
平成 29 年	32,722	3,789	9,729	2,636	19,210	54,965	60,181	5,761
30 年	30,210	2,425	7,474	1,986	20,726	58,486	64,036	5,690
令和 1 年	22,781	3,599	8,910	1,461	19,662	54,878	60,086	5,095
2 年	5,645	3,315	7,893	1,341	18,150	44,683	48,923	3,366
3 年	5,639	3,531	6,836	1,571	20,723	58,232	63,757	3,277
令和 1 年度	16,994	3,317	8,531	1,427	19,607	52,599	57,590	4,718
2 年度	5,599	3,446	7,622	1,309	18,104	45,811	50,158	3,062
3 年 1~3月	1,259	758	1,498	365	4,939	13,451	14,727	773
4~6	1,330	849	1,522	395	5,231	13,780	15,088	749
7~9	1,277	778	1,632	395	5,169	14,794	16,198	806
10~12	1,772	1,146	2,184	416	5,383	16,207	17,745	949
3 年 1月	555	327	685	104	1,470	4,004	4,384	270
2	447	280	483	109	1,581	4,446	4,867	242
3	257	151	330	152	1,888	5,001	5,475	261
4	376	270	356	138	1,718	4,419	4,838	277
5	595	348	707	111	1,679	4,234	4,636	149
6	360	231	459	146	1,833	5,127	5,614	323
7	471	309	588	123	1,959	4,474	4,899	287
8	464	259	628	139	1,474	5,095	5,578	227
9	342	210	416	133	1,735	5,225	5,721	292
10	625	416	765	89	1,871	5,297	5,800	313
11	594	406	747	156	1,745	5,925	6,487	320
12	553	324	672	171	1,768	4,985	5,458	316

年 月	鑄鋼用(つづき) for Steel castings (continued)							
	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	液化石油ガス Liquefied petroleum gas	アスファルト Asphalt	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal
	kl	kl	kl	kl	t	t	kl	t
平成 29 年	105	6,417	6,369	48	5,985	-	12,553	-
30 年	126	8,587	8,539	48	8,729	-	13,588	-
令和 1 年	150	6,858	6,810	48	9,235	-	12,704	-
2 年	123	5,942	5,894	48	8,842	-	10,461	-
3 年	115	5,556	5,508	48	6,552	-	9,995	-
令和 1 年度	149	6,708	6,660	48	9,256	-	12,479	-
2 年度	120	5,667	5,619	48	8,088	-	9,800	-
3 年 1~3月	30	1,461	1,449	12	1,584	-	2,391	-
4~6	29	1,412	1,400	12	1,637	-	2,347	-
7~9	27	1,289	1,277	12	1,617	-	2,451	-
10~12	29	1,395	1,383	12	1,714	-	2,806	-
3 年 1月	9	479	475	4	475	-	745	-
2	10	511	507	4	550	-	819	-
3	11	470	466	4	559	-	828	-
4	10	477	473	4	548	-	832	-
5	8	421	417	4	517	-	729	-
6	11	514	510	4	572	-	785	-
7	8	411	407	4	557	-	806	-
8	9	400	396	4	479	-	788	-
9	10	477	473	4	581	-	857	-
10	9	494	490	4	601	-	886	-
11	10	473	469	4	578	-	1,043	-
12	10	427	423	4	535	-	876	-

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	Year, Quarter &Month
29,556	29,556	-	1,296	-	-	115,343	24	C.Y. 2017
26,663	26,663	-	1,182	-	-	118,856	30	C.Y. 2018
20,105	20,105	-	1,124	-	-	108,824	43	C.Y. 2019
16,561	16,561	-	1,176	-	-	84,783	12	C.Y. 2020
17,386	17,386	-	1,168	-	-	104,084	-	C.Y. 2021
19,134	19,134	-	1,196	-	-	102,733	39	F.Y. 2019
16,011	16,011	-	1,164	-	-	85,837	3	F.Y. 2020
4,081	4,081	-	303	-	-	24,217	-	Q1 2021
4,227	4,227	-	264	-	-	25,092	-	Q2
4,310	4,310	-	297	-	-	26,184	-	Q3
4,769	4,769	-	304	-	-	28,591	-	Q4
1,292	1,292	-	78	-	-	7,367	-	Jan. 2021
1,283	1,283	-	112	-	-	7,933	-	Feb.
1,506	1,506	-	113	-	-	8,917	-	Mar.
1,421	1,421	-	94	-	-	8,068	-	Apr.
1,269	1,269	-	81	-	-	7,943	-	May
1,536	1,536	-	89	-	-	9,082	-	Jun.
1,669	1,669	-	102	-	-	8,562	-	Jul.
1,094	1,094	-	89	-	-	8,605	-	Aug.
1,546	1,546	-	106	-	-	9,017	-	Sep.
1,606	1,606	-	93	-	-	9,490	-	Oct.
1,747	1,747	-	104	-	-	10,095	-	Nov.
1,415	1,415	-	107	-	-	9,006	-	Dec.

廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	鉄鋼用 for Steel castings				Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	
-	-	681,142	12,674	63,225	25,504	-	11,661	C.Y. 2017
-	-	691,309	12,463	68,313	31,819	-	12,189	C.Y. 2018
-	-	626,485	12,408	65,320	30,320	-	11,725	C.Y. 2019
-	-	491,962	11,912	57,573	27,249	-	10,035	C.Y. 2020
-	-	547,807	11,671	53,699	23,695	-	10,078	C.Y. 2021
-	-	594,853	12,308	64,582	30,032	-	11,553	F.Y. 2019
-	-	490,222	11,763	54,841	25,597	-	9,682	F.Y. 2020
-	-	135,276	2,914	13,266	5,885	-	2,475	Q1 2021
-	-	135,397	2,904	13,235	5,924	-	2,496	Q2
-	-	137,139	2,851	13,139	5,653	-	2,370	Q3
-	-	139,994	3,002	14,059	6,233	-	2,737	Q4
-	-	42,681	906	4,219	1,842	-	780	Jan. 2021
-	-	44,501	903	4,436	1,976	-	784	Feb.
-	-	48,095	1,105	4,611	2,067	-	911	Mar.
-	-	46,476	1,002	4,551	2,044	-	895	Apr.
-	-	41,060	851	4,125	1,829	-	772	May
-	-	47,860	1,051	4,560	2,051	-	829	Jun.
-	-	49,659	951	4,480	1,928	-	832	Jul.
-	-	42,728	950	4,115	1,735	-	745	Aug.
-	-	44,752	950	4,544	1,990	-	793	Sep.
-	-	45,369	1,000	4,732	2,111	-	876	Oct.
-	-	48,394	1,000	4,832	2,124	-	943	Nov.
-	-	46,232	1,002	4,494	1,999	-	918	Dec.

石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	酸素 Oxygen 1000Nm ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
37	1,567	1,587	7,554	8,267	3,546	-	-	C.Y. 2017
45	1,665	2,089	7,662	8,375	4,369	-	-	C.Y. 2018
37	1,369	1,955	7,233	7,895	4,276	-	-	C.Y. 2019
35	541	1,691	6,108	6,660	3,697	-	-	C.Y. 2020
27	344	1,806	5,790	6,312	2,926	-	-	C.Y. 2021
40	1,191	1,925	7,160	7,814	4,269	-	-	F.Y. 2019
30	434	1,640	5,715	6,231	3,319	-	-	F.Y. 2020
6	95	418	1,397	1,521	709	-	-	Q1 2021
7	98	430	1,342	1,462	706	-	-	Q2
6	80	449	1,419	1,547	687	-	-	Q3
8	71	509	1,632	1,781	824	-	-	Q4
2	35	132	432	470	210	-	-	Jan. 2021
2	32	150	469	510	255	-	-	Feb.
2	28	136	496	541	244	-	-	Mar.
2	29	147	489	533	227	-	-	Apr.
2	31	141	407	444	223	-	-	May
3	38	142	445	485	256	-	-	Jun.
3	30	149	464	505	221	-	-	Jul.
2	24	142	459	501	223	-	-	Aug.
1	26	158	496	541	243	-	-	Sep.
3	27	162	511	558	263	-	-	Oct.
3	22	165	642	701	281	-	-	Nov.
2	22	182	479	522	280	-	-	Dec.

年 月	鋳鋼用(つづき) for Steel castings (continued)		圧延(冷間を含む)及び鋼管用 for Rolling (including Cold) and Pipes					
	電力	蒸気	計 (原油換算)	石油系燃料 (原油換算)	ガソリン	灯油	軽油	重油計
	Electricity	Steam	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	Gas oil	Heavy fuel oil total
	1000kWh	t	kl	kl	kl	kl	kl	kl
平成 29 年	265,567	6,708	7,259,602	342,502	12	34,982	222	175,217
30	240,812	7,304	7,330,963	255,904	12	36,668	201	100,920
令和 1 年	232,163	10,117	7,016,640	203,499	7	34,054	204	75,372
2	205,598	10,669	6,100,440	190,520	2	30,706	525	78,582
3	206,810	11,165	6,696,487	204,424	12	37,263	161	81,924
令和 1 年度	228,984	11,136	6,908,814	194,952	4	32,962	258	76,210
2	201,032	10,751	6,105,998	195,821	5	31,850	453	78,675
3 年 1~3月	51,126	3,385	1,699,961	52,259	3	9,004	37	20,029
4~6	51,274	2,817	1,636,660	47,257	3	9,748	41	18,437
7~9	52,332	2,425	1,701,204	50,830	3	8,971	36	19,736
10~12	52,078	2,538	1,658,662	54,079	3	9,540	47	23,722
3 年 1月	16,689	1,154	570,128	18,991	1	3,112	7	7,344
2	16,833	1,094	532,946	15,917	1	2,791	20	5,938
3	17,604	1,137	596,886	17,351	1	3,102	10	6,747
4	17,252	1,008	537,703	15,578	1	3,160	7	6,484
5	16,182	887	559,460	15,749	1	3,240	19	5,970
6	17,841	922	539,497	15,929	1	3,348	15	5,982
7	18,150	839	579,717	17,201	1	3,309	10	6,876
8	16,552	767	567,825	16,058	1	2,420	7	6,156
9	17,630	819	553,662	17,571	1	3,243	19	6,704
10	17,939	960	546,080	18,436	1	3,288	16	7,775
11	17,292	822	554,894	18,418	1	3,343	9	8,137
12	16,847	756	557,688	17,225	1	2,910	22	7,810

年 月	圧延(冷間を含む)及び鋼管用(つづき) for Rolling (including Cold) and Pipes (continued)							
	石炭ークス (ピッチークスを含む)	ークス炉 ガス	高炉ガス	転炉ガス	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)
	Coal coke (including pitch coke)	Coke oven gas	Blast furnace gas	Converter furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)
	t	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	1000m ³
平成 29 年	-	4,428,045	8,355,120	1,771,473	16,134	304,105	1,144,049	1,247,845
30	-	4,446,722	7,881,719	1,766,055	17,982	283,950	1,266,596	1,379,326
令和 1 年	-	4,343,603	7,708,727	1,558,286	17,347	274,009	1,207,459	1,315,093
2	-	3,876,261	6,198,054	1,300,439	15,510	227,662	1,013,210	1,104,634
3	-	4,331,499	6,632,898	1,410,744	17,049	258,562	1,161,487	1,267,531
令和 1 年度	-	4,333,491	7,549,218	1,577,388	16,508	268,800	1,152,933	1,256,062
2	-	3,851,370	6,116,950	1,263,923	15,525	227,605	1,034,229	1,127,946
3 年 1~3月	-	1,067,406	1,726,706	355,240	4,090	65,092	298,971	326,165
4~6	-	1,085,293	1,706,305	331,103	4,533	62,526	282,141	307,800
7~9	-	1,102,599	1,673,992	372,358	4,009	66,933	288,576	314,849
10~12	-	1,076,201	1,525,895	352,043	4,417	64,012	291,800	318,717
3 年 1月	-	364,053	606,535	114,079	1,311	21,811	96,731	105,485
2	-	325,123	540,144	111,117	1,313	20,871	98,779	107,811
3	-	378,230	580,027	130,044	1,467	22,411	103,461	112,869
4	-	351,134	544,055	102,157	1,476	21,639	99,349	108,387
5	-	371,671	634,125	114,877	1,527	20,917	94,231	102,886
6	-	362,488	528,125	114,069	1,531	19,970	88,560	96,526
7	-	374,044	593,759	121,852	1,294	21,380	98,061	106,994
8	-	370,798	578,130	122,088	1,169	22,547	96,094	104,857
9	-	357,757	502,103	128,419	1,545	23,005	94,420	102,999
10	-	357,544	512,752	117,537	1,426	21,158	95,306	104,067
11	-	360,340	500,382	117,853	1,534	21,367	96,648	105,549
12	-	358,317	512,761	116,653	1,457	21,486	99,846	109,100

年 月	その他の鉄鋼製品(つづき) Others Iron and steel products (continued)							
	ガソリン	灯油	軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス
	Gasoline	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B-C	Hydrocarbon oil	Liquefied petroleum gas
	kl	kl	kl	kl	kl	kl	kl	t
平成 29 年	505	19,011	17,467	76,048	49,937	26,111	-	71,202
30	521	16,808	17,187	69,586	49,249	20,336	-	75,296
令和 1 年	532	16,395	18,648	62,231	41,866	20,365	-	66,367
2	481	17,008	16,477	70,757	47,891	22,865	-	60,822
3	489	18,558	17,683	63,328	37,347	25,981	-	64,718
令和 1 年度	537	16,505	19,061	66,295	45,182	21,114	-	64,110
2	467	17,170	16,163	66,603	42,863	23,740	-	61,635
3 年 1~3月	111	4,435	4,488	16,810	10,104	6,706	-	16,019
4~6	119	4,888	4,371	14,146	8,799	5,347	-	15,318
7~9	134	4,337	4,437	14,539	9,270	5,268	-	15,061
10~12	125	4,899	4,387	17,834	9,174	8,660	-	18,319
3 年 1月	36	1,652	1,502	6,402	3,277	3,125	-	5,011
2	34	1,382	1,421	4,843	3,213	1,630	-	5,484
3	41	1,401	1,565	5,564	3,614	1,950	-	5,525
4	39	1,504	1,480	4,713	2,938	1,775	-	5,153
5	38	1,642	1,417	4,650	2,834	1,816	-	5,280
6	42	1,742	1,474	4,782	3,026	1,756	-	4,885
7	46	1,498	1,539	5,125	3,041	2,084	-	3,761
8	46	1,353	1,408	4,526	3,104	1,422	-	5,515
9	42	1,485	1,490	4,888	3,125	1,763	-	5,785
10	40	1,496	1,418	6,375	3,197	3,178	-	6,142
11	41	1,670	1,449	6,051	3,141	2,910	-	6,136
12	44	1,733	1,520	5,408	2,836	2,572	-	6,041

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	石油系 炭化水素ガス Hydrocarbon gas 1000m ³	アスファルト Asphalt t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	Year, Quarter &Month
63,562	111,655	94,419	48	-	5,760,484	-	634,584	C.Y. 2017
62,381	38,540	88,461	47	-	5,872,815	-	684,057	C.Y. 2018
54,318	21,054	71,067	34	-	5,649,283	-	649,005	C.Y. 2019
53,476	25,105	60,671	32	-	4,896,718	-	630,330	C.Y. 2020
52,932	28,992	65,268	46	-	5,366,910	212	625,217	C.Y. 2021
53,687	22,523	64,582	33	-	5,568,021	-	657,543	F.Y. 2019
53,341	25,334	64,185	35	-	4,900,472	-	662,586	F.Y. 2020
13,327	6,702	17,820	11	-	1,373,651	-	189,685	Q1 2021
12,709	5,727	14,707	9	-	1,306,121	-	120,745	Q2
13,842	5,894	17,011	15	-	1,366,397	212	167,301	Q3
13,054	10,668	15,731	11	-	1,320,741	-	147,486	Q4
4,396	2,948	6,518	3	-	459,372	-	61,060	Jan. 2021
4,269	1,668	5,534	3	-	431,012	-	57,792	Feb.
4,661	2,085	5,768	5	-	483,267	-	70,833	Mar.
4,394	2,090	4,564	3	-	426,497	-	30,842	Apr.
4,116	1,854	5,042	3	-	450,003	-	43,165	May
4,199	1,783	5,100	3	-	429,621	-	46,739	Jun.
4,678	2,198	5,395	5	-	466,372	-	61,463	Jul.
4,324	1,832	5,742	5	-	457,737	-	54,546	Aug.
4,840	1,864	5,875	5	-	442,289	212	51,292	Sep.
4,326	3,449	5,590	3	-	432,805	-	42,280	Oct.
4,439	3,698	5,245	5	-	441,144	-	51,057	Nov.
4,288	3,522	4,895	3	-	446,792	-	54,150	Dec.

酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry)t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	その他の鉄鋼製品		Year, Quarter &Month
						計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	
154,886	6,497	-	-	11,928,926	679,216	3,631,068	207,682	C.Y. 2017
152,036	5,153	-	-	12,393,401	714,233	3,491,436	203,763	C.Y. 2018
146,786	5,824	-	-	12,029,323	648,881	3,399,154	185,654	C.Y. 2019
117,121	6,314	-	-	10,389,364	676,333	3,070,291	186,701	C.Y. 2020
133,201	6,021	-	-	11,612,887	649,355	3,387,836	188,364	C.Y. 2021
142,166	6,581	-	-	11,836,345	647,920	3,367,057	187,363	F.Y. 2019
117,009	6,100	-	-	10,353,215	674,389	3,097,620	186,790	F.Y. 2020
34,141	2,037	-	-	2,807,738	186,135	860,375	50,493	Q1 2021
32,771	1,035	-	-	2,935,709	147,457	835,105	43,461	Q2
34,421	1,714	-	-	2,949,327	139,195	855,737	43,076	Q3
31,868	1,235	-	-	2,920,112	176,569	836,618	51,333	Q4
11,418	739	-	-	936,739	66,941	296,289	16,222	Jan. 2021
10,796	735	-	-	881,544	58,065	266,897	14,820	Feb.
11,927	563	-	-	989,455	61,129	297,190	19,451	Mar.
10,976	-	-	-	985,558	57,108	270,082	14,450	Apr.
11,171	329	-	-	973,206	45,960	282,853	14,621	May
10,624	706	-	-	976,945	44,388	282,171	14,390	Jun.
11,956	555	-	-	997,015	49,166	291,857	13,143	Jul.
11,240	584	-	-	974,524	48,868	285,366	14,496	Aug.
11,225	575	-	-	977,788	41,161	278,513	15,437	Sep.
11,068	256	-	-	980,684	52,275	266,827	17,438	Oct.
10,673	508	-	-	978,471	62,376	271,025	17,280	Nov.
10,127	471	-	-	960,956	61,917	298,766	16,616	Dec.

オイルコークス Petroleum coke t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	Year, Quarter &Month
-	2,444,377	-	618,647	118,462	655,370	9,363,479	528,995	C.Y. 2017
-	2,339,165	-	606,229	105,077	640,606	8,468,784	509,920	C.Y. 2018
-	2,288,762	8	548,082	111,580	643,056	8,719,663	479,746	C.Y. 2019
1,437	2,060,269	645	523,915	77,821	630,450	7,136,897	466,030	C.Y. 2020
4,258	2,265,747	5,984	589,586	54,500	674,882	8,044,826	463,309	C.Y. 2021
-	2,264,057	1	558,934	114,680	637,771	8,484,218	497,796	F.Y. 2019
5,695	2,084,306	645	550,252	60,274	654,854	7,114,171	445,974	F.Y. 2020
4,258	585,297	-	169,485	12,680	177,669	1,979,792	112,513	Q1 2021
-	561,734	37	130,469	13,871	176,013	2,124,082	128,415	Q2
-	576,952	5,947	167,382	14,572	156,330	2,016,685	117,010	Q3
-	541,764	-	122,249	13,377	164,871	1,924,267	105,370	Q4
-	204,561	-	64,060	4,317	61,171	709,053	32,449	Jan. 2021
-	182,525	-	53,756	3,838	51,707	606,856	36,068	Feb.
4,258	198,212	-	51,669	4,525	64,791	663,882	43,995	Mar.
-	179,499	-	33,643	4,846	57,280	712,740	38,586	Apr.
-	189,518	-	41,545	4,332	62,558	729,311	46,575	May
-	192,718	37	55,281	4,693	56,175	682,032	43,255	Jun.
-	200,046	80	62,056	4,226	53,508	693,950	37,942	Jul.
-	191,441	-	60,290	5,299	53,864	675,573	36,410	Aug.
-	185,465	5,867	45,036	5,047	48,959	647,162	42,658	Sep.
-	165,911	-	23,307	4,328	55,781	619,803	36,743	Oct.
-	173,779	-	35,932	4,331	54,016	585,164	27,717	Nov.
-	202,074	-	63,010	4,718	55,074	719,299	40,910	Dec.

年 月	その他の鉄鋼製品(つづき) Others Iron and steel products (continued)							
	電気炉ガス	天然ガス	液化天然ガス	都市ガス(A)	都市ガス(B)	酸素	廃材	廃プラスチック
	Electric furnace gas	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Oxygen	Waste material	Waste plastic
	1000m ³	1000m ³	t	1000m ³	1000m ³	1000Nm ³	絶乾(Dry)t	t
平成 29 年	7,314	3,119	67,348	406,453	445,278	380,271	7,723	-
30	4,328	2,954	64,429	418,254	458,372	358,283	6,126	-
令和 1 年	1,924	3,043	55,221	395,390	433,311	391,224	6,950	-
2	1,782	2,551	50,257	361,841	396,390	438,002	7,500	-
3	1,999	2,513	61,357	410,980	450,447	301,670	7,152	-
令和 1 年度	1,946	3,085	54,022	382,501	419,174	400,573	7,846	-
2	1,851	2,375	52,326	369,388	404,720	413,452	7,246	-
3 年 1~3月	557	669	15,560	106,494	116,712	73,808	2,419	-
4~6	495	683	14,387	97,459	106,837	66,386	1,230	-
7~9	352	403	15,485	102,736	112,589	68,511	2,036	-
10~12	595	758	15,924	104,291	114,310	92,965	1,468	-
3 年 1月	183	187	5,429	34,862	38,191	25,956	879	-
2	170	244	4,877	35,329	38,732	20,703	873	-
3	204	237	5,254	36,303	39,789	27,149	668	-
4	194	217	4,909	32,716	35,866	20,480	-	-
5	174	218	4,700	31,576	34,615	23,265	392	-
6	127	247	4,778	33,167	36,356	22,641	837	-
7	178	144	5,287	35,856	39,311	27,228	658	-
8	131	106	5,097	31,886	34,925	19,845	696	-
9	43	154	5,101	34,994	38,353	21,438	681	-
10	186	253	4,993	34,825	38,167	24,789	305	-
11	217	260	5,270	35,817	39,270	44,932	603	-
12	192	245	5,661	33,649	36,873	23,244	560	-

年 月	コークス(つづき) Coke (continued)							
	A重油	B・C重油	炭化水素油	液化石油ガス	オイルコークス	アスファルト	再生油(石油由来)	非石油系燃料(原油換算)
	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Petroleum coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)
	kl	kl	kl	t	t	t	kl	kl
平成 29 年	9	1,580	83,267	939	382,177	-	-	30,583,868
30	8	1,300	93,751	1,307	338,169	-	-	30,271,645
令和 1 年	7	795	72,964	2,441	261,628	-	-	30,221,956
2	8	1,181	70,803	1,155	266,707	-	-	27,654,173
3	9	1,836	82,668	2,378	217,068	-	-	28,621,308
令和 1 年度	7	798	69,548	2,375	275,491	-	-	30,389,808
2	9	1,614	72,103	1,852	235,024	-	-	27,051,230
3 年 1~3月	2	616	18,457	857	54,962	-	-	7,073,017
4~6	2	366	18,500	1,025	28,702	-	-	7,112,171
7~9	2	386	22,027	321	49,438	-	-	7,165,560
10~12	2	468	23,684	175	83,966	-	-	7,270,560
3 年 1月	1	416	8,314	149	27,042	-	-	2,451,158
2	1	86	5,044	365	20,054	-	-	2,194,250
3	1	114	5,099	343	7,866	-	-	2,427,609
4	1	152	5,713	46	9,688	-	-	2,351,184
5	0	119	6,394	123	10,400	-	-	2,414,066
6	1	95	6,393	856	8,614	-	-	2,346,921
7	1	240	7,750	101	15,390	-	-	2,406,091
8	1	79	7,144	74	17,121	-	-	2,399,632
9	1	66	7,133	147	16,927	-	-	2,359,836
10	1	214	8,111	27	7,792	-	-	2,443,957
11	1	196	8,201	106	60,566	-	-	2,371,669
12	1	58	7,372	42	15,608	-	-	2,454,934

年 月	コークス(つづき) Coke (continued)					Year, Quarter & Month
	都市ガス(A)	都市ガス(B)	廃プラスチック	電力	蒸気	
	Town gas(A)	Town gas(B)	Waste plastic	Electricity	Steam	
	1000m ³	1000m ³	t	1000kWh	t	
平成 29 年	31,050	33,996	162,397	1,412,868	196,944	C.Y. 2017
30	25,424	27,836	161,671	1,480,284	224,204	C.Y. 2018
令和 1 年	19,795	21,673	167,798	1,447,779	212,342	C.Y. 2019
2	22,714	24,870	178,360	1,429,894	233,081	C.Y. 2020
3	18,934	20,730	188,212	1,419,615	235,661	C.Y. 2021
令和 1 年度	17,541	19,206	175,039	1,466,950	210,272	F.Y. 2019
2	23,309	25,521	176,272	1,415,331	236,153	F.Y. 2020
3 年 1~3月	5,214	5,708	44,738	357,817	78,163	Q1 2021
4~6	4,040	4,424	47,156	342,776	52,418	Q2
7~9	4,713	5,161	46,435	353,889	50,303	Q3
10~12	4,966	5,437	49,883	365,132	54,777	Q4
3 年 1月	1,626	1,780	15,448	126,068	24,061	Jan. 2021
2	2,209	2,419	13,020	109,953	25,303	Feb.
3	1,379	1,509	16,270	121,795	28,798	Mar.
4	1,716	1,879	15,598	111,703	21,901	Apr.
5	1,103	1,208	16,452	115,913	14,482	May
6	1,221	1,337	15,106	115,161	16,036	Jun.
7	1,836	2,011	16,040	117,664	18,104	Jul.
8	1,506	1,649	15,151	118,383	18,993	Aug.
9	1,371	1,501	15,244	117,843	13,206	Sep.
10	1,563	1,711	16,036	120,468	11,748	Oct.
11	1,920	2,102	17,052	123,464	19,305	Nov.
12	1,483	1,624	16,795	121,200	23,724	Dec.

RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	コークス Coke					Year, Quarter &Month
			計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	
-	8,959,786	2,105,574	31,117,421	388,529	25	130	1,589	C.Y. 2017
-	8,703,458	2,009,266	30,790,888	366,045	17	126	1,307	C.Y. 2018
-	8,523,941	1,906,970	30,656,711	285,400	16	183	803	C.Y. 2019
-	7,502,529	1,814,375	28,089,041	285,744	18	212	1,189	C.Y. 2020
-	8,440,049	2,149,887	29,047,222	277,568	18	261	1,845	C.Y. 2021
-	8,424,108	1,909,669	30,833,161	292,358	15	214	806	F.Y. 2019
-	7,493,333	1,873,070	27,467,168	267,956	19	204	1,622	F.Y. 2020
-	2,020,794	529,557	7,179,913	68,207	6	56	618	Q1 2021
-	2,095,584	505,943	7,193,287	45,607	4	61	369	Q2
-	2,153,042	512,528	7,268,170	66,214	3	71	388	Q3
-	2,170,630	601,859	7,405,852	97,540	5	73	470	Q4
-	660,746	203,130	2,497,073	32,525	2	18	417	Jan. 2021
-	646,083	136,731	2,229,283	23,055	2	18	87	Feb.
-	713,965	189,695	2,453,557	12,627	2	20	114	Mar.
-	682,176	183,374	2,377,575	14,487	2	19	153	Apr.
-	719,353	170,679	2,441,717	15,868	1	21	119	May
-	694,055	151,891	2,373,995	15,253	1	21	96	Jun.
-	719,813	169,398	2,439,954	21,666	1	22	241	Jul.
-	715,865	185,724	2,434,280	22,323	1	25	80	Aug.
-	717,364	157,406	2,393,936	22,224	1	24	67	Sep.
-	750,482	197,711	2,471,355	15,379	1	23	215	Oct.
-	713,246	197,019	2,445,456	60,967	2	25	197	Nov.
-	706,902	207,129	2,489,042	21,193	2	25	59	Dec.

コークス製造用炭 (原料炭) Coal for making coke (material coal) t	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	Year, Quarter &Month						
36,410,219	24,908	224,992	115,331	1,928,615	18,345,107	361,589	999	C.Y. 2017						
36,056,520	23,871	238,304	103,501	1,923,312	17,761,981	440,555	942	C.Y. 2018						
36,071,829	29,779	170,095	98,693	2,017,462	17,183,441	408,079	896	C.Y. 2019						
32,906,048	26,478	171,703	108,471	1,885,533	15,713,566	381,399	958	C.Y. 2020						
34,296,980	25,505	163,513	106,434	1,774,611	16,974,896	484,114	1,099	C.Y. 2021						
36,288,401	28,098	175,356	97,694	2,000,728	17,247,851	424,962	899	F.Y. 2019						
32,219,507	27,884	167,675	107,734	1,824,485	15,539,862	387,166	961	F.Y. 2020						
8,472,590	7,288	45,741	26,403	422,885	4,243,197	128,874	267	Q1 2021						
8,516,647	4,342	42,024	28,163	444,730	4,227,201	123,578	281	Q2						
8,595,749	6,850	39,716	25,431	444,549	4,190,589	124,901	239	Q3						
8,711,994	7,025	36,032	26,437	462,446	4,313,909	106,760	311	Q4						
2,936,094	2,241	17,812	7,834	146,613	1,479,577	42,041	93	Jan. 2021						
2,626,232	1,879	15,906	8,768	137,307	1,278,165	41,558	84	Feb.						
2,910,264	3,168	12,023	9,801	138,965	1,485,455	45,276	91	Mar.						
2,815,366	1,855	14,558	9,286	152,451	1,365,158	36,030	128	Apr.						
2,889,631	955	14,252	9,134	148,734	1,458,665	44,708	78	May						
2,811,650	1,532	13,214	9,743	143,544	1,403,379	42,840	76	Jun.						
2,885,835	3,130	12,865	8,321	156,150	1,363,586	42,633	79	Jul.						
2,877,110	1,758	14,280	8,835	144,920	1,429,627	43,937	81	Aug.						
2,832,804	1,961	12,571	8,275	143,479	1,397,377	38,331	79	Sep.						
2,931,981	2,318	13,134	7,651	150,378	1,446,727	42,881	96	Oct.						
2,838,241	2,369	12,127	9,433	157,513	1,385,885	30,725	110	Nov.						
2,941,772	2,338	10,771	9,353	154,555	1,481,297	33,154	106	Dec.						

⑧ 非鉄金属地金 Non-ferrous metals

直接投入エネルギー表 Table of direct input energy

年 月	非鉄金属地金工業 Non-ferrous metals industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	1,162,788	251,221	54	19,151	3,259	126,990	59,349	67,641
30	1,165,194	253,944	56	18,693	3,506	129,805	55,437	74,368
令和 1 年	1,149,287	238,850	59	14,460	3,823	122,016	67,149	54,867
2	1,126,167	228,651	52	13,232	3,518	118,209	50,256	67,953
3	1,135,287	231,481	52	14,998	3,426	119,693	53,053	66,640
令和 1 年度	1,145,775	237,801	57	13,700	3,878	121,508	63,235	58,273
2	1,128,759	228,302	52	13,636	3,498	118,489	50,974	67,515
3 年 1~3月	285,945	59,566	11	3,574	946	32,209	14,400	17,809
4~6	292,484	59,049	15	4,007	792	29,292	12,415	16,877
7~9	275,779	56,199	13	3,713	872	27,765	10,788	16,977
10~12	281,079	56,667	13	3,704	816	30,427	15,450	14,977
3 年 1月	98,896	20,958	5	1,231	307	11,185	4,711	6,474
2	89,130	18,493	3	1,170	315	9,854	4,628	5,226
3	97,920	20,115	3	1,173	324	11,170	5,061	6,109
4	97,778	20,079	5	1,297	256	10,067	4,518	5,549
5	97,722	18,705	5	1,253	254	9,696	4,050	5,646
6	96,983	20,265	5	1,457	282	9,529	3,847	5,682
7	92,504	20,295	5	1,440	286	9,387	3,619	5,768
8	94,215	17,233	3	1,202	289	8,673	3,343	5,330
9	89,060	18,671	5	1,071	297	9,705	3,826	5,879
10	94,352	19,335	5	975	271	10,435	4,726	5,709
11	90,690	18,272	3	1,368	278	9,572	5,624	3,948
12	96,038	19,060	5	1,361	267	10,420	5,100	5,320

年 月	非鉄金属地金工業(つづき) Non-ferrous metals industry (continued)							
	高炉ガス Blast furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity
	1000m ³	1000m ³	t	1000m ³	1000m ³	t	t	1000kWh
平成 29 年	233,796	4,726	21,637	59,357	62,476	-	-	5,514,867
30	228,383	4,253	23,022	60,446	63,672	-	-	5,582,194
令和 1 年	291,741	4,364	21,552	55,400	58,284	-	-	5,465,636
2	256,512	3,754	19,245	49,086	51,735	-	-	5,520,873
3	266,517	1,419	25,845	54,924	57,828	-	-	5,446,384
令和 1 年度	265,695	4,496	20,694	54,109	56,912	-	-	5,518,672
2	282,708	3,710	21,093	49,968	52,664	-	-	5,457,873
3 年 1~3月	75,990	1,015	6,607	13,989	14,750	-	-	1,317,465
4~6	69,074	404	6,454	13,779	14,469	-	-	1,423,721
7~9	58,401	-	6,303	13,200	13,876	-	-	1,366,586
10~12	63,052	-	6,481	13,956	14,733	-	-	1,338,612
3 年 1月	25,507	225	2,113	4,259	4,488	-	-	460,038
2	24,531	386	2,177	4,584	4,837	-	-	401,187
3	25,952	404	2,317	5,146	5,425	-	-	456,240
4	21,448	404	2,297	4,712	4,952	-	-	470,547
5	25,572	-	2,101	4,132	4,345	-	-	479,011
6	22,054	-	2,056	4,935	5,172	-	-	474,163
7	27,196	-	2,122	4,966	5,189	-	-	420,923
8	26,944	-	2,078	3,794	3,981	-	-	474,672
9	4,261	-	2,103	4,440	4,706	-	-	470,991
10	15,273	-	2,201	4,489	4,764	-	-	471,969
11	26,982	-	2,087	4,989	5,270	-	-	411,911
12	20,797	-	2,193	4,478	4,699	-	-	454,732

年 月	非鉄金属地金計(つづき) Non-ferrous metals total (continued)							
	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal
	kl	kl	t	t	t	kl	kl	t
平成 29 年	67,409	39,264	5,504	5,597	-	34,196	289,118	63,464
30	74,097	40,206	6,063	1,876	-	34,096	281,733	51,500
令和 1 年	54,620	37,480	5,715	3,981	-	35,083	292,261	50,645
2	67,892	34,574	5,608	7,713	-	29,009	270,303	54,412
3	66,504	36,477	5,271	3,790	-	32,779	288,329	53,032
令和 1 年度	58,078	37,473	5,773	4,252	-	34,136	284,145	51,859
2	67,400	34,719	5,390	7,807	-	29,291	280,128	54,658
3 年 1~3月	17,739	9,394	1,307	539	-	8,232	74,511	14,386
4~6	16,861	9,117	1,428	2,021	-	8,495	74,829	12,955
7~9	16,953	8,609	1,388	970	-	8,863	67,610	14,087
10~12	14,951	9,357	1,148	260	-	7,189	71,378	11,604
3 年 1月	6,424	3,142	493	206	-	2,973	24,848	5,434
2	5,214	3,023	369	219	-	2,603	23,762	4,311
3	6,101	3,229	445	114	-	2,656	25,902	4,641
4	5,536	3,427	474	669	-	2,602	25,023	4,304
5	5,643	2,614	482	340	-	2,705	25,608	4,629
6	5,682	3,076	472	1,012	-	3,188	24,198	4,022
7	5,760	3,189	477	740	-	3,423	24,594	4,491
8	5,320	2,526	454	71	-	2,714	24,567	4,534
9	5,873	2,894	457	159	-	2,726	18,449	5,062
10	5,709	3,256	455	63	-	2,449	22,142	3,632
11	3,940	3,191	357	87	-	2,331	25,270	3,495
12	5,302	2,910	336	110	-	2,409	23,967	4,477

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter &Month
44,891	6,238	5,597	-	34,200	293,612	63,464	169,374	C.Y. 2017
46,375	6,969	1,876	-	34,096	286,428	51,500	167,464	C.Y. 2018
42,426	6,598	3,981	-	35,083	296,507	50,645	184,223	C.Y. 2019
40,274	6,541	7,713	-	29,009	274,944	54,412	170,988	C.Y. 2020
41,798	6,260	3,790	-	32,779	292,830	53,032	177,451	C.Y. 2021
42,953	6,667	4,252	-	34,136	288,368	51,859	178,788	F.Y. 2019
39,842	6,349	7,807	-	29,291	284,860	54,658	176,118	F.Y. 2020
10,151	1,575	539	-	8,232	75,640	14,386	43,781	Q1 2021
10,692	1,665	2,021	-	8,495	75,981	12,955	47,959	Q2
10,157	1,629	970	-	8,863	68,710	14,087	40,270	Q3
10,798	1,391	260	-	7,189	72,500	11,604	45,441	Q4
3,620	584	206	-	2,973	25,197	5,434	14,917	Jan. 2021
3,188	458	219	-	2,603	24,127	4,311	13,770	Feb.
3,343	533	114	-	2,656	26,316	4,641	15,094	Mar.
3,931	559	669	-	2,602	25,430	4,304	15,479	Apr.
3,177	551	340	-	2,705	25,971	4,629	17,222	May
3,584	555	1,012	-	3,188	24,579	4,022	15,258	Jun.
3,741	560	740	-	3,423	24,986	4,491	14,597	Jul.
3,020	536	71	-	2,714	24,893	4,534	16,262	Aug.
3,396	533	159	-	2,726	18,831	5,062	9,411	Sep.
3,810	534	63	-	2,449	22,518	3,632	13,999	Oct.
3,600	441	87	-	2,331	25,645	3,495	16,351	Nov.
3,388	416	110	-	2,409	24,336	4,477	15,091	Dec.

蒸気 Steam t	非鉄金属地金計 Non-ferrous metals total							Year, Quarter &Month
	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	
1,518,241	1,011,848	222,751	54	8,059	1,319	118,097	50,688	C.Y. 2017
1,526,997	1,018,452	227,110	56	8,117	1,270	123,136	49,039	C.Y. 2018
1,526,278	1,006,433	213,168	59	4,476	1,210	114,952	60,332	C.Y. 2019
1,576,966	985,199	202,572	52	3,785	1,143	110,878	42,986	C.Y. 2020
1,509,445	990,707	205,450	52	3,735	1,238	113,256	46,752	C.Y. 2021
1,537,012	1,004,445	212,277	57	4,390	1,202	114,612	56,534	F.Y. 2019
1,560,839	987,952	202,418	52	3,618	1,154	111,218	43,818	F.Y. 2020
407,752	251,024	53,653	11	1,000	318	30,484	12,745	Q1 2021
361,894	255,470	52,253	15	1,089	311	27,665	10,804	Q2
343,531	239,318	49,869	13	890	299	26,580	9,627	Q3
396,268	244,895	49,674	13	756	310	28,527	13,576	Q4
143,896	86,779	18,724	5	331	104	10,617	4,193	Jan. 2021
132,963	77,908	16,572	3	314	106	9,236	4,022	Feb.
130,893	86,337	18,358	3	355	108	10,631	4,530	Mar.
122,927	85,300	17,792	5	315	108	9,486	3,950	Apr.
122,789	85,043	16,252	5	301	91	8,977	3,334	May
116,178	85,127	18,209	5	473	112	9,202	3,520	Jun.
116,707	80,455	18,275	5	451	110	9,152	3,392	Jul.
114,760	81,771	15,054	3	231	86	8,229	2,909	Aug.
112,064	77,092	16,540	5	208	103	9,199	3,326	Sep.
124,346	81,837	17,155	5	212	104	9,817	4,108	Oct.
122,330	79,334	15,935	3	292	101	8,959	5,019	Nov.
149,592	83,724	16,584	5	252	105	9,751	4,449	Dec.

石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
169,153	233,796	4,726	21,565	55,726	58,503	-	-	C.Y. 2017
167,077	228,383	4,253	23,022	56,663	59,529	-	-	C.Y. 2018
183,839	291,741	4,364	21,552	52,000	54,565	-	-	C.Y. 2019
170,653	256,512	3,754	19,245	45,314	47,600	-	-	C.Y. 2020
177,259	266,517	1,419	25,845	51,179	53,727	-	-	C.Y. 2021
178,393	265,695	4,496	20,694	50,736	53,221	-	-	F.Y. 2019
175,797	282,708	3,710	21,093	46,108	48,434	-	-	F.Y. 2020
43,738	75,990	1,015	6,607	13,047	13,720	-	-	Q1 2021
47,906	69,074	404	6,454	12,823	13,423	-	-	Q2
40,225	58,401	-	6,303	12,284	12,872	-	-	Q3
45,390	63,052	-	6,481	13,025	13,712	-	-	Q4
14,900	25,507	225	2,113	3,970	4,172	-	-	Jan. 2021
13,754	24,531	386	2,177	4,281	4,505	-	-	Feb.
15,084	25,952	404	2,317	4,796	5,043	-	-	Mar.
15,463	21,448	404	2,297	4,372	4,580	-	-	Apr.
17,205	25,572	-	2,101	3,831	4,016	-	-	May
15,238	22,054	-	2,056	4,620	4,827	-	-	Jun.
14,583	27,196	-	2,122	4,638	4,830	-	-	Jul.
16,247	26,944	-	2,078	3,523	3,683	-	-	Aug.
9,395	4,261	-	2,103	4,123	4,359	-	-	Sep.
13,979	15,273	-	2,201	4,179	4,423	-	-	Oct.
16,337	26,982	-	2,087	4,675	4,926	-	-	Nov.
15,074	20,797	-	2,193	4,171	4,363	-	-	Dec.

年 月	非鉄金属地金計(つづき)		銅計					Copper total	
	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油	軽油	重油計	A重油	
	Electricity 1000kWh	Steam t	kl	kl	Kerosene kl	Gas oil kl	Heavy fuel oil total kl	Heavy fuel oil A kl	
平成 29 年	4,511,658	1,161,562	342,812	71,919	513	67	53,408	8,710	
30 年	4,595,653	1,187,861	351,340	74,638	505	47	58,226	7,051	
令和 1 年	4,498,852	1,193,653	337,450	71,100	537	44	54,716	21,128	
2 年	4,582,332	1,245,061	359,214	74,803	496	48	53,792	6,066	
3 年	4,472,686	1,169,890	340,234	70,420	789	44	53,589	7,527	
令和 1 年度	4,562,324	1,209,765	343,538	72,000	515	44	54,609	17,564	
2 年	4,519,963	1,228,922	354,120	74,371	657	50	53,881	6,610	
3 年 1~3月	1,083,523	319,241	85,829	18,335	278	13	14,683	2,232	
4~6	1,174,790	276,391	87,214	18,723	255	13	13,255	1,314	
7~9	1,113,181	264,559	86,926	17,476	132	8	13,167	1,159	
10~12	1,101,192	309,699	80,264	15,885	124	10	12,484	2,822	
3 年 1月	379,696	114,114	32,024	7,184	83	5	5,677	927	
2 月	327,417	102,951	25,638	5,206	84	4	4,141	613	
3 月	376,410	102,176	28,168	5,945	111	4	4,865	692	
4 月	388,555	91,734	29,038	6,396	104	4	4,484	467	
5 月	393,818	94,730	29,933	6,105	94	5	4,516	384	
6 月	392,417	89,927	28,244	6,222	57	4	4,255	463	
7 月	337,797	89,153	29,236	6,352	74	2	4,512	410	
8 月	388,172	87,390	28,716	5,510	30	4	4,376	432	
9 月	387,212	88,016	28,974	5,615	28	2	4,279	317	
10 月	387,388	94,095	28,034	5,764	21	4	4,511	751	
11 月	340,085	93,950	22,963	4,302	72	2	3,311	1,160	
12 月	373,719	121,654	29,267	5,818	31	4	4,662	911	

年 月	銅計(つづき)		Copper total (continued)				銅(溶錬工程)	
	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	液化天然ガス Liquefied natural gas	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)
	t	t	t	t	1000kWh	t	kl	kl
平成 29 年	3,307	2,359	-	-	1,710,826	940,797	266,319	71,911
30 年	3,238	2,652	-	-	1,851,372	951,755	266,158	74,632
令和 1 年	2,870	2,499	-	-	1,761,226	936,962	256,945	71,096
2 年	4,459	2,572	-	-	1,876,869	979,691	275,441	74,798
3 年	5,294	2,653	-	-	1,772,550	905,247	258,528	70,417
令和 1 年度	3,271	2,597	-	-	1,794,944	948,323	262,944	71,995
2 年	4,435	2,585	-	-	1,839,755	956,016	270,595	74,369
3 年 1~3月	886	714	-	-	433,796	231,869	64,498	18,334
4~6	1,847	675	-	-	458,506	217,584	66,999	18,723
7~9	1,310	672	-	-	463,417	219,481	67,281	17,476
10~12	1,251	592	-	-	416,831	236,313	59,749	15,883
3 年 1月	503	216	-	-	160,665	81,751	24,497	7,184
2 月	109	265	-	-	129,464	73,911	18,894	5,205
3 月	274	233	-	-	143,667	76,207	21,107	5,945
4 月	614	230	-	-	151,176	72,108	22,253	6,396
5 月	979	226	-	-	156,204	75,269	23,071	6,105
6 月	254	219	-	-	151,126	70,207	21,674	6,222
7 月	331	217	-	-	157,323	68,971	22,601	6,352
8 月	596	237	-	-	157,495	69,624	22,025	5,510
9 月	383	218	-	-	148,599	80,886	22,655	5,615
10 月	433	173	-	-	150,844	76,797	21,316	5,764
11 月	396	180	-	-	119,901	68,340	16,411	4,302
12 月	422	239	-	-	146,086	91,176	22,023	5,817

年 月	銅(溶錬工程)(つづき)							
	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	液化天然ガス Liquefied natural gas	廃プラスチック Waste plastic	電力 Electricity
	t	kl	kl	t	t	t	t	1000kWh
平成 29 年	-	-	46,717	61,554	3,307	2,359	-	1,086,082
30 年	-	-	38,695	48,930	3,238	2,652	-	1,136,589
令和 1 年	-	-	37,750	48,253	2,870	2,499	-	1,095,678
2 年	-	-	42,100	52,831	4,459	2,572	-	1,165,397
3 年	-	-	42,354	51,358	5,294	2,653	-	1,095,905
令和 1 年度	-	-	39,016	49,493	3,271	2,597	-	1,118,815
2 年	-	-	42,528	53,268	4,435	2,585	-	1,138,104
3 年 1~3月	-	-	11,114	13,998	886	714	-	263,745
4~6	-	-	10,799	12,546	1,847	675	-	289,354
7~9	-	-	11,170	13,699	1,310	672	-	292,455
10~12	-	-	9,270	11,115	1,251	592	-	250,351
3 年 1月	-	-	4,243	5,280	503	216	-	99,075
2 月	-	-	3,280	4,187	109	265	-	77,523
3 月	-	-	3,590	4,531	274	233	-	87,147
4 月	-	-	3,595	4,166	614	230	-	95,171
5 月	-	-	4,094	4,509	979	226	-	99,082
6 月	-	-	3,111	3,871	254	219	-	95,101
7 月	-	-	3,482	4,341	331	217	-	99,243
8 月	-	-	3,743	4,391	596	237	-	98,764
9 月	-	-	3,945	4,967	383	218	-	94,448
10 月	-	-	2,929	3,500	433	173	-	95,056
11 月	-	-	2,783	3,310	396	180	-	67,755
12 月	-	-	3,557	4,305	422	239	-	87,540

B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	Year, Quarter &Month
44,698	5,722	3,258	4,791	-	-	46,717	61,554	C.Y. 2017
51,175	5,096	3,816	1,367	-	-	38,695	48,930	C.Y. 2018
33,588	4,814	3,779	3,448	-	-	37,750	48,253	C.Y. 2019
47,726	5,418	4,075	6,821	-	-	42,100	52,831	C.Y. 2020
46,062	4,701	3,918	2,770	-	-	42,354	51,358	C.Y. 2021
37,045	5,291	3,857	3,655	-	-	39,016	49,493	F.Y. 2019
47,271	4,980	3,981	6,870	-	-	42,528	53,268	F.Y. 2020
12,451	911	932	256	-	-	11,114	13,998	Q1 2021
11,941	1,348	1,082	1,694	-	-	10,799	12,546	Q2
12,008	1,127	1,066	772	-	-	11,170	13,699	Q3
9,662	1,315	838	48	-	-	9,270	11,115	Q4
4,750	459	370	99	-	-	4,243	5,280	Jan. 2021
3,528	247	248	139	-	-	3,280	4,187	Feb.
4,173	205	314	18	-	-	3,590	4,531	Mar.
4,017	528	351	564	-	-	3,595	4,166	Apr.
4,132	471	374	223	-	-	4,094	4,509	May
3,792	349	357	907	-	-	3,111	3,871	Jun.
4,102	380	362	669	-	-	3,482	4,341	Jul.
3,944	310	358	-	-	-	3,743	4,391	Aug.
3,962	437	346	103	-	-	3,945	4,967	Sep.
3,760	450	355	-	-	-	2,929	3,500	Oct.
2,151	401	254	-	-	-	2,783	3,310	Nov.
3,751	464	229	48	-	-	3,557	4,305	Dec.

Copper (Fusing and mixing process)								Year, Quarter &Month
灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	
506	66	53,408	8,710	44,698	5,722	3,258	4,791	C.Y. 2017
499	47	58,226	7,051	51,175	5,096	3,816	1,367	C.Y. 2018
532	44	54,716	21,128	33,588	4,814	3,779	3,448	C.Y. 2019
491	48	53,792	6,066	47,726	5,418	4,075	6,821	C.Y. 2020
786	44	53,589	7,527	46,062	4,701	3,918	2,770	C.Y. 2021
509	44	54,609	17,564	37,045	5,291	3,857	3,655	F.Y. 2019
655	50	53,881	6,610	47,271	4,980	3,981	6,870	F.Y. 2020
277	13	14,683	2,232	12,451	911	932	256	Q1 2021
255	13	13,255	1,314	11,941	1,348	1,082	1,694	Q2
132	8	13,167	1,159	12,008	1,127	1,066	772	Q3
122	10	12,484	2,822	9,662	1,315	838	48	Q4
83	5	5,677	927	4,750	459	370	99	Jan. 2021
83	4	4,141	613	3,528	247	248	139	Feb.
111	4	4,865	692	4,173	205	314	18	Mar.
104	4	4,484	467	4,017	528	351	564	Apr.
94	5	4,516	384	4,132	471	374	223	May
57	4	4,255	463	3,792	349	357	907	Jun.
74	2	4,512	410	4,102	380	362	669	Jul.
30	4	4,376	432	3,944	310	358	-	Aug.
28	2	4,279	317	3,962	437	346	103	Sep.
21	4	4,511	751	3,760	450	355	-	Oct.
71	2	3,311	1,160	2,151	401	254	-	Nov.
30	4	4,662	911	3,751	464	229	48	Dec.

Copper (Electrolytic process)								鉛計 Lead total	Year, Quarter &Month
蒸気 Steam t	計 (原油換算) Total (equivalent) kl	石油系燃料 (原油換算) Oil based fuels (equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	電力 Electricity 1000kWh	蒸気 Steam t	計 (原油換算) Total (Crude petroleum equivalent) kl		
675,038	76,493	8	7	1	624,744	265,759	80,031	C.Y. 2017	
681,437	85,182	6	6	-	714,783	270,318	78,998	C.Y. 2018	
668,035	80,505	5	5	-	665,548	268,927	84,285	C.Y. 2019	
725,294	83,772	5	5	-	711,472	254,397	79,072	C.Y. 2020	
633,849	81,706	3	3	-	676,645	271,398	80,443	C.Y. 2021	
692,371	80,593	6	6	-	676,129	255,952	81,480	F.Y. 2019	
691,941	83,525	2	2	-	701,651	264,075	80,312	F.Y. 2020	
152,137	21,331	1	1	-	170,051	79,732	19,764	Q1 2021	
152,765	20,215	-	-	-	169,152	64,819	20,934	Q2	
165,353	19,645	-	-	-	170,962	54,128	18,647	Q3	
163,594	20,515	2	2	-	166,480	72,719	21,099	Q4	
55,754	7,526	-	-	-	61,590	25,997	7,019	Jan. 2021	
46,261	6,744	1	1	-	51,941	27,650	6,332	Feb.	
50,122	7,061	-	-	-	56,520	26,085	6,413	Mar.	
49,331	6,784	-	-	-	56,005	22,777	6,771	Apr.	
52,879	6,861	-	-	-	57,122	22,390	7,378	May	
50,555	6,570	-	-	-	56,025	19,652	6,785	Jun.	
51,142	6,635	-	-	-	58,080	17,829	7,134	Jul.	
51,864	6,691	-	-	-	58,731	17,760	6,841	Aug.	
62,347	6,319	-	-	-	54,151	18,539	4,672	Sep.	
54,677	6,719	-	-	-	55,788	22,120	6,650	Oct.	
43,731	6,553	1	1	-	52,146	24,609	7,463	Nov.	
65,186	7,244	1	1	-	58,546	25,990	6,986	Dec.	

年 月	鉛計(つづき) Lead total (continued) →							
	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B-C	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke
	kl	kl	kl	kl	kl	kl	t	t
平成 29 年	7,974	44	-	5,514	5,238	276	12	806
30	8,004	77	-	5,639	5,352	287	12	509
令和 1 年	6,834	4	1	4,781	4,781	-	12	533
2	7,629	2	2	5,177	5,177	-	11	892
3	8,879	1	-	5,977	5,977	-	9	1,020
令和 1 年度	6,757	2	1	4,596	4,596	-	12	597
2	7,887	2	2	5,446	5,446	-	11	937
3 年 1~3月	2,131	1	-	1,460	1,460	-	3	283
4~6	2,191	-	-	1,331	1,331	-	1	327
7~9	1,996	-	-	1,192	1,192	-	2	198
10~12	2,560	-	-	1,994	1,994	-	3	212
3 年 1月	812	1	-	480	480	-	1	107
2	649	-	-	446	446	-	1	80
3	671	-	-	534	534	-	1	96
4	737	-	-	518	518	-	1	105
5	756	-	-	418	418	-	-	117
6	698	-	-	395	395	-	-	105
7	699	-	-	397	397	-	-	71
8	699	-	-	369	369	-	1	71
9	598	-	-	426	426	-	1	56
10	802	-	-	610	610	-	1	63
11	875	-	-	711	711	-	1	87
12	884	-	-	673	673	-	1	62

年 月	鉛計(つづき) Lead total (continued) 鉛(溶錬工程) Lead (Fusing and mixing process) →							
	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
	1000kWh	t	kl	kl	kl	kl	kl	kl
平成 29 年	132,106	20,840	71,948	3,929	4	-	2,377	2,101
30	136,352	24,333	71,014	3,976	5	-	2,482	2,195
令和 1 年	141,344	22,674	77,497	3,994	4	1	1,985	1,985
2	127,957	19,998	71,157	3,634	2	2	2,106	2,106
3	129,253	18,321	72,481	4,789	1	-	2,965	2,965
令和 1 年度	138,894	20,873	74,487	3,694	2	1	1,818	1,818
2	126,963	21,178	72,387	3,895	2	2	2,366	2,366
3 年 1~3月	31,811	5,649	17,810	1,108	1	-	678	678
4~6	33,826	4,787	18,928	1,174	-	-	595	595
7~9	29,824	3,918	16,735	1,016	-	-	503	503
10~12	33,792	3,967	19,008	1,471	-	-	1,189	1,189
3 年 1月	12,122	1,900	6,248	405	1	-	182	182
2	10,184	1,801	5,716	330	-	-	207	207
3	9,505	1,948	5,846	373	-	-	289	289
4	11,126	1,577	6,073	376	-	-	255	255
5	11,706	1,632	6,705	421	-	-	169	169
6	10,994	1,578	6,150	378	-	-	171	171
7	11,383	1,610	6,470	370	-	-	156	156
8	11,052	1,574	6,179	359	-	-	144	144
9	7,389	734	4,086	288	-	-	203	203
10	11,337	871	5,983	473	-	-	376	376
11	11,256	1,600	6,788	519	-	-	442	442
12	11,199	1,496	6,237	479	-	-	371	371

年 月	鉛(溶錬工程)(つづき) Lead (Fusing and mixing process) (continued)						鉛(電解工程) Lead (Electrolytic process) →		
	液化天然ガス Liquefied natural gas	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	
	t	t	t	1000kWh	t	kl	kl	kl	
平成 29 年	616	-	-	90,536	18,362	8,083	4,045	40	
30	714	-	-	95,525	22,057	7,984	4,029	72	
令和 1 年	555	-	-	99,870	21,373	6,789	2,841	-	
2	515	-	-	87,281	18,013	7,916	3,995	-	
3	525	-	-	89,005	16,763	7,962	4,110	-	
令和 1 年度	507	-	-	97,748	19,390	6,993	3,063	-	
2	538	-	-	86,112	19,263	7,925	3,993	-	
3 年 1~3月	132	-	-	22,290	5,000	1,954	1,024	-	
4~6	126	-	-	23,426	4,471	2,006	1,016	-	
7~9	126	-	-	19,934	3,757	1,912	981	-	
10~12	141	-	-	23,355	3,535	2,090	1,089	-	
3 年 1月	45	-	-	8,388	1,657	771	407	-	
2	41	-	-	7,156	1,587	616	319	-	
3	46	-	-	6,746	1,756	567	297	-	
4	44	-	-	7,602	1,450	698	361	-	
5	41	-	-	8,154	1,518	673	334	-	
6	41	-	-	7,670	1,503	635	321	-	
7	46	-	-	7,820	1,565	664	330	-	
8	54	-	-	7,635	1,520	662	341	-	
9	26	-	-	4,479	672	586	311	-	
10	56	-	-	7,784	762	667	329	-	
11	42	-	-	7,911	1,497	674	356	-	
12	43	-	-	7,660	1,276	749	405	-	

アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
-	1,639	58,328	1,703	66,558	65,420	616	-	-	C.Y. 2017
-	1,737	56,628	2,394	63,720	63,819	714	-	-	C.Y. 2018
-	1,513	62,735	2,208	70,264	80,659	555	-	-	C.Y. 2019
-	1,628	58,158	1,444	66,401	68,417	515	-	-	C.Y. 2020
-	1,907	58,274	1,527	66,759	70,205	525	-	-	C.Y. 2021
-	1,573	60,360	2,185	68,253	71,978	507	-	-	F.Y. 2019
-	1,565	59,151	1,258	67,218	74,594	538	-	-	F.Y. 2020
-	400	14,283	343	16,094	19,570	132	-	-	Q1 2021
-	549	15,265	368	17,510	18,621	126	-	-	Q2
-	602	13,605	365	15,697	15,376	126	-	-	Q3
-	356	15,120	451	17,458	16,638	141	-	-	Q4
-	226	4,948	140	5,592	6,504	45	-	-	Jan. 2021
-	126	4,611	109	5,226	6,106	41	-	-	Feb.
-	48	4,724	94	5,276	6,960	46	-	-	Mar.
-	120	4,890	125	5,639	5,610	44	-	-	Apr.
-	226	5,421	108	6,200	6,982	41	-	-	May
-	203	4,955	135	5,671	6,029	41	-	-	Jun.
-	230	5,265	137	5,933	7,171	46	-	-	Jul.
-	256	5,005	134	5,580	7,120	54	-	-	Aug.
-	116	3,336	94	4,184	1,085	26	-	-	Sep.
-	128	4,734	122	5,601	4,069	56	-	-	Oct.
-	81	5,430	172	6,131	7,157	42	-	-	Nov.
-	147	4,957	157	5,726	5,412	43	-	-	Dec.

B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
276	-	806	-	848	58,328	1,703	66,558	65,420	C.Y. 2017
287	-	509	-	1,010	56,628	2,394	63,720	63,819	C.Y. 2018
-	-	533	-	1,513	62,735	2,208	70,264	80,659	C.Y. 2019
-	-	892	-	783	58,158	1,444	66,401	68,417	C.Y. 2020
-	-	1,020	-	876	58,274	1,527	66,759	70,205	C.Y. 2021
-	-	597	-	1,341	60,360	2,185	68,253	71,978	F.Y. 2019
-	-	937	-	727	59,151	1,258	67,218	74,594	F.Y. 2020
-	-	283	-	175	14,283	343	16,094	19,570	Q1 2021
-	-	327	-	284	15,265	368	17,510	18,621	Q2
-	-	198	-	327	13,605	365	15,697	15,376	Q3
-	-	212	-	90	15,120	451	17,458	16,638	Q4
-	-	107	-	124	4,948	140	5,592	6,504	Jan. 2021
-	-	80	-	51	4,611	109	5,226	6,106	Feb.
-	-	96	-	-	4,724	94	5,276	6,960	Mar.
-	-	105	-	28	4,890	125	5,639	5,610	Apr.
-	-	117	-	145	5,421	108	6,200	6,982	May
-	-	105	-	111	4,955	135	5,671	6,029	Jun.
-	-	71	-	146	5,265	137	5,933	7,171	Jul.
-	-	71	-	147	5,005	134	5,580	7,120	Aug.
-	-	56	-	34	3,336	94	4,184	1,085	Sep.
-	-	63	-	39	4,734	122	5,601	4,069	Oct.
-	-	87	-	-	5,430	172	6,131	7,157	Nov.
-	-	62	-	51	4,957	157	5,726	5,412	Dec.

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	電力 Electricity 1000kWh	蒸気 Steam t	亜鉛計Zinc total 計 (原油換算) Total (Crude petroleum equivalent) kl	Year, Quarter &Month
3,137	3,137	-	-	12	791	41,570	2,478	273,446	C.Y. 2017
3,157	3,157	-	-	12	727	40,827	2,276	278,306	C.Y. 2018
2,796	2,796	-	-	12	-	41,474	1,301	286,888	C.Y. 2019
3,071	3,071	-	-	11	845	40,676	1,985	269,467	C.Y. 2020
3,012	3,012	-	-	9	1,031	40,248	1,558	280,092	C.Y. 2021
2,778	2,778	-	-	12	232	41,146	1,483	281,549	F.Y. 2019
3,080	3,080	-	-	11	838	40,851	1,915	275,508	F.Y. 2020
782	782	-	-	3	225	9,521	649	72,785	Q1 2021
736	736	-	-	1	265	10,400	316	73,988	Q2
689	689	-	-	2	275	9,890	161	61,401	Q3
805	805	-	-	3	266	10,437	432	71,918	Q4
298	298	-	-	1	102	3,734	243	24,857	Jan. 2021
239	239	-	-	1	75	3,028	214	22,585	Feb.
245	245	-	-	1	48	2,759	192	25,343	Mar.
263	263	-	-	1	92	3,524	127	24,409	Apr.
249	249	-	-	-	81	3,552	114	25,283	May
224	224	-	-	-	92	3,324	75	24,295	Jun.
241	241	-	-	-	84	3,563	45	17,685	Jul.
225	225	-	-	1	109	3,417	54	25,277	Aug.
223	223	-	-	1	82	2,910	62	18,439	Sep.
234	234	-	-	1	89	3,553	109	21,798	Oct.
269	269	-	-	1	81	3,345	103	25,254	Nov.
302	302	-	-	1	96	3,539	220	24,866	Dec.

年 月	亜鉛計(つづき) Zinc total (continued)								液化石油ガス Liquefied petroleum gas t
	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl		
	平成 29 年	9,487	12	68	99	6,332	2,403	3,929		32
30	10,683	12	72	96	6,995	2,777	4,218	27	
令和 1 年	11,395	15	78	92	6,053	3,054	2,999	28	
2	11,713	12	70	93	8,592	4,666	3,926	24	
3	11,854	12	68	95	8,415	5,393	3,022	20	
令和 1 年度	11,661	15	80	91	6,757	3,192	3,565	28	
2	12,021	12	63	94	9,069	5,503	3,566	23	
3 年 1~3月	3,082	3	15	25	2,356	1,680	676	7	
4~6	3,068	3	17	22	2,034	1,245	789	4	
7~9	2,725	3	17	22	1,480	790	690	4	
10~12	2,978	3	19	26	2,545	1,678	867	5	
3 年 1月	990	1	4	8	524	321	203	3	
2	986	1	5	8	771	576	195	2	
3	1,105	1	6	9	1,061	783	278	2	
4	1,038	1	4	7	902	646	256	2	
5	1,069	1	5	7	564	300	264	1	
6	962	1	8	8	568	299	269	1	
7	894	1	3	7	362	296	66	1	
8	1,148	1	7	7	599	284	315	1	
9	683	1	7	8	519	210	309	2	
10	882	1	6	8	716	440	276	1	
11	1,016	1	7	9	971	692	279	2	
12	1,080	1	6	9	858	546	312	2	

年 月	亜鉛計(つづき) Zinc total (continued)			電気亜鉛 Electrolytic zinc					軽油 Gas oil kl
	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl		
	平成 29 年	-	1,711,695	57,431	184,982	5,905	12	68		99
30	-	1,723,559	64,317	189,351	6,421	12	72	96	
令和 1 年	-	1,676,248	72,896	180,760	5,604	15	78	92	
2	-	1,609,542	86,460	178,760	6,893	12	70	93	
3	-	1,655,801	84,446	183,838	5,617	12	68	95	
令和 1 年度	-	1,668,952	77,428	182,638	6,321	15	80	91	
2	-	1,606,317	92,115	178,344	6,454	12	63	94	
3 年 1~3月	-	427,138	28,125	46,720	1,296	3	15	25	
4~6	-	438,371	17,779	49,283	1,445	3	17	22	
7~9	-	359,270	15,427	39,941	1,394	3	17	22	
10~12	-	431,022	23,115	47,894	1,482	3	19	26	
3 年 1月	-	148,681	10,643	15,879	382	1	4	8	
2	-	129,285	10,321	14,138	398	1	5	8	
3	-	149,172	7,161	16,703	516	1	6	9	
4	-	146,613	5,999	16,499	502	1	4	7	
5	-	146,877	5,182	16,536	470	1	5	7	
6	-	144,881	6,598	16,249	474	1	8	8	
7	-	78,172	6,900	8,327	294	1	3	7	
8	-	143,442	6,124	15,989	573	1	7	7	
9	-	137,656	2,403	15,625	527	1	7	8	
10	-	136,711	3,016	15,060	457	1	6	8	
11	-	144,254	9,747	15,944	466	1	7	9	
12	-	150,057	10,352	16,891	559	1	6	9	

年 月	電気亜鉛(つづき) Electrolytic zinc (continued)							蒸留亜鉛 計 (原油換算) Total (Crude petroleum equivalent) kl
	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	
	平成 29 年	4,321	676	756	-	-	1,668,598		9,192	88,464
30	5,423	652	731	-	-	1,678,534	12,603	88,955
令和 1 年	5,175	672	752	-	-	1,624,162	15,513	106,127
2	3,929	659	739	-	-	1,564,643	38,300	90,707
3	4,925	696	780	-	-	1,607,053	34,570	96,253
令和 1 年度	4,766	700	783	-	-	1,619,448	25,471	98,911
2	4,248	647	726	-	-	1,558,515	38,932	97,165
3 年 1~3月	1,158	174	195	-	-	413,895	13,685	26,065
4~6	1,226	170	191	-	-	425,747	5,090	24,705
7~9	1,264	187	209	-	-	348,924	3,780	21,460
10~12	1,277	165	185	-	-	418,487	12,015	24,024
3 年 1月	401	57	64	-	-	144,066	5,688	8,978
2	359	54	60	-	-	125,088	5,604	8,447
3	398	63	71	-	-	144,741	2,393	8,640
4	405	57	64	-	-	142,464	2,039	7,910
5	414	56	63	-	-	142,515	789	8,747
6	407	57	64	-	-	140,768	2,262	8,047
7	405	62	69	-	-	73,590	1,937	9,358
8	409	64	72	-	-	138,906	1,415	9,288
9	450	61	68	-	-	136,428	428	2,814
10	446	35	39	-	-	132,869	782	6,739
11	407	67	75	-	-	139,849	5,027	9,310
12	424	63	71	-	-	145,769	6,206	7,975

アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	液化天然ガス Liquefied natural gas 1000m ³	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
-	2,495	100,762	98,854	168,376	7,105	676	756	-	C.Y. 2017
-	2,987	102,846	99,603	164,564	8,436	652	731	-	C.Y. 2018
-	4,668	114,524	110,220	211,082	8,075	672	752	-	C.Y. 2019
-	2,454	102,052	99,467	188,095	6,471	659	739	-	C.Y. 2020
-	2,864	108,373	105,058	196,312	7,577	696	780	-	C.Y. 2021
-	4,199	109,285	106,348	193,717	7,508	700	783	-	F.Y. 2019
-	2,328	107,696	103,854	208,114	6,895	647	726	-	F.Y. 2020
-	590	28,025	26,667	56,420	1,861	174	195	-	Q1 2021
-	885	28,912	28,532	50,453	1,892	170	191	-	Q2
-	1,098	24,189	23,199	43,025	1,849	187	209	-	Q3
-	291	27,247	26,660	46,414	1,975	165	185	-	Q4
-	416	9,300	8,775	19,003	639	57	64	-	Jan. 2021
-	174	8,859	8,362	18,425	587	54	60	-	Feb.
-	-	9,866	9,530	18,992	635	63	71	-	Mar.
-	94	9,319	9,205	15,838	631	57	64	-	Apr.
-	451	10,193	10,021	18,590	638	56	63	-	May
-	340	9,400	9,306	16,025	623	57	64	-	Jun.
-	494	9,042	8,312	20,025	632	62	69	-	Jul.
-	488	10,362	10,065	19,824	647	64	72	-	Aug.
-	116	4,784	4,822	3,176	570	61	68	-	Sep.
-	121	7,991	7,939	11,204	684	35	39	-	Oct.
-	-	10,146	9,802	19,825	631	67	75	-	Nov.
-	170	9,111	8,919	15,385	660	63	71	-	Dec.

重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
5,405	2,220	3,185	32	-	-	23,223	20,779	6,111	C.Y. 2017
5,908	2,535	3,373	27	-	-	25,916	22,364	5,659	C.Y. 2018
5,120	2,121	2,999	28	-	-	22,999	18,644	8,350	C.Y. 2019
6,344	2,418	3,926	24	-	-	23,671	22,185	5,557	C.Y. 2020
5,170	2,148	3,022	20	-	-	26,339	23,821	7,575	C.Y. 2021
5,789	2,224	3,565	28	-	-	23,910	20,667	7,415	F.Y. 2019
5,947	2,381	3,566	23	-	-	24,220	22,292	6,391	F.Y. 2020
1,189	513	676	7	-	-	5,976	5,248	2,162	Q1 2021
1,334	545	789	4	-	-	7,881	7,682	2,049	Q2
1,290	600	690	4	-	-	5,828	4,910	1,520	Q3
1,357	490	867	5	-	-	6,653	5,981	1,844	Q4
349	146	203	3	-	-	1,702	1,344	648	Jan. 2021
365	170	195	2	-	-	1,717	1,447	672	Feb.
475	197	278	2	-	-	2,557	2,457	842	Mar.
466	210	256	2	-	-	2,604	2,543	626	Apr.
434	170	264	1	-	-	2,754	2,705	812	May
434	165	269	1	-	-	2,524	2,434	611	Jun.
276	210	66	1	-	-	1,054	448	782	Jul.
531	216	315	1	-	-	2,397	2,249	614	Aug.
483	174	309	2	-	-	2,378	2,213	124	Sep.
418	142	276	1	-	-	2,189	1,968	464	Oct.
424	145	279	2	-	-	2,121	1,860	783	Nov.
515	203	312	2	-	-	2,343	2,153	597	Dec.

石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter &Month
3,582	927	183	744	-	-	2,495	77,538	78,075	C.Y. 2017
4,262	1,087	242	845	-	-	2,987	76,930	77,239	C.Y. 2018
5,792	933	933	-	-	-	4,668	91,524	91,576	C.Y. 2019
4,820	2,248	2,248	-	-	-	2,454	78,381	77,282	C.Y. 2020
6,237	3,245	3,245	-	-	-	2,864	82,034	81,237	C.Y. 2021
5,340	968	968	-	-	-	4,199	85,375	85,681	F.Y. 2019
5,566	3,122	3,122	-	-	-	2,328	83,476	81,562	F.Y. 2020
1,786	1,167	1,167	-	-	-	590	22,049	21,419	Q1 2021
1,623	700	700	-	-	-	885	21,031	20,850	Q2
1,332	190	190	-	-	-	1,098	18,361	18,289	Q3
1,496	1,188	1,188	-	-	-	291	20,594	20,679	Q4
608	175	175	-	-	-	416	7,598	7,431	Jan. 2021
589	406	406	-	-	-	174	7,142	6,915	Feb.
589	586	586	-	-	-	-	7,309	7,073	Mar.
536	436	436	-	-	-	94	6,715	6,662	Apr.
599	130	130	-	-	-	451	7,439	7,316	May
488	134	134	-	-	-	340	6,877	6,872	Jun.
600	86	86	-	-	-	494	7,989	7,864	Jul.
575	68	68	-	-	-	488	7,965	7,816	Aug.
157	36	36	-	-	-	116	2,406	2,609	Sep.
425	298	298	-	-	-	121	5,802	5,971	Oct.
550	547	547	-	-	-	-	8,025	7,942	Nov.
521	343	343	-	-	-	170	6,768	6,766	Dec.

年 月	蒸留亜鉛(つづき) Distilled zinc (continued)						アルミニウム Aluminum →	
	高炉ガス	液化天然ガス	廃プラスチック	RPF	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)
	1000m ³	t	t	t	1000kWh	t	kl	kl
平成 29 年	162,265	2,784	-	-	43,097	48,239	134,479	25,561
30 年	158,905	3,013	-	-	45,025	51,714	127,456	25,497
令和 1 年	202,732	2,900	-	-	52,086	57,383	123,149	21,648
2 年	182,538	2,542	-	-	44,899	48,160	121,216	19,654
3 年	188,737	2,652	-	-	48,748	49,876	120,819	22,889
令和 1 年度	186,302	2,742	-	-	49,504	51,957	124,542	20,782
2 年	201,723	2,647	-	-	47,802	53,183	121,006	20,541
3 年 1~3月	54,258	703	-	-	13,243	14,440	27,808	6,031
4~6	48,404	666	-	-	12,624	12,689	31,369	5,539
7~9	41,505	585	-	-	10,346	11,647	32,105	5,585
10~12	44,570	698	-	-	12,535	11,100	29,538	5,735
3 年 1月	18,355	238	-	-	4,615	4,955	8,341	1,963
2 月	17,753	228	-	-	4,197	4,717	8,800	1,939
3 月	18,150	237	-	-	4,431	4,768	10,667	2,129
4 月	15,212	226	-	-	4,149	3,960	10,427	1,614
5 月	17,778	224	-	-	4,362	4,393	9,922	1,714
6 月	15,414	216	-	-	4,113	4,336	11,020	2,211
7 月	19,243	227	-	-	4,582	4,963	11,282	2,117
8 月	19,210	238	-	-	4,536	4,709	9,046	1,436
9 月	3,052	120	-	-	1,228	1,975	11,777	2,031
10 月	10,740	238	-	-	3,842	2,234	11,521	2,083
11 月	19,042	224	-	-	4,405	4,720	9,221	1,982
12 月	14,788	236	-	-	4,288	4,146	8,797	1,670

年 月	アルミニウム(つづき) Aluminum(continued) →							
	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel
	kl	kl	1000m ³	t	1000m ³	1000m ³	t	t
平成 29 年	-	41,964	4,726	3,462	26,968	29,912	-	-
30 年	-	41,810	4,253	3,330	27,461	30,443	-	-
令和 1 年	-	37,196	4,364	2,930	23,904	26,513	-	-
2 年	-	31,459	3,754	2,330	20,316	22,553	-	-
3 年	-	33,889	1,419	2,916	23,928	26,562	-	-
令和 1 年度	-	35,695	4,496	2,634	22,858	25,353	-	-
2 年	-	32,350	3,710	2,476	20,954	23,268	-	-
3 年 1~3月	-	9,430	1,015	764	6,136	6,813	-	-
4~6	-	8,417	404	762	5,853	6,494	-	-
7~9	-	7,498	-	622	5,614	6,232	-	-
10~12	-	8,544	-	768	6,325	7,023	-	-
3 年 1月	-	2,763	225	248	1,838	2,039	-	-
2 月	-	3,180	386	247	2,040	2,266	-	-
3 月	-	3,487	404	269	2,258	2,508	-	-
4 月	-	3,201	404	292	1,991	2,208	-	-
5 月	-	2,548	-	305	1,795	1,993	-	-
6 月	-	2,668	-	165	2,067	2,293	-	-
7 月	-	2,628	-	177	2,019	2,239	-	-
8 月	-	2,140	-	243	1,524	1,692	-	-
9 月	-	2,729	-	202	2,071	2,301	-	-
10 月	-	2,963	-	267	2,193	2,435	-	-
11 月	-	2,956	-	238	2,221	2,467	-	-
12 月	-	2,624	-	263	1,911	2,121	-	-

年 月	アルミニウム二次地金(つづき) Secondary aluminum ingots (continued) →							
	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
	kl	kl	t	t	kl	kl	t	1000m ³
平成 29 年	2,850	33,542	1,538	-	28,006	38,901	6,683	28,006
30 年	2,886	35,110	1,562	-	27,195	39,301	6,565	28,485
令和 1 年	2,867	32,666	1,398	-	26,090	37,711	6,245	27,346
2 年	2,675	29,156	981	-	22,865	34,348	6,102	24,273
3 年	2,632	31,776	821	-	25,769	43,012	10,654	26,495
令和 1 年度	2,913	32,182	1,385	-	25,588	37,503	6,258	27,101
2 年	2,669	29,739	864	-	23,276	36,104	7,236	24,447
3 年 1~3月	719	8,483	226	-	6,648	10,978	2,736	6,722
4~6	687	7,769	208	-	6,526	10,877	2,641	6,789
7~9	594	7,482	201	-	6,579	10,611	2,685	6,470
10~12	632	8,042	186	-	6,016	10,545	2,592	6,514
3 年 1月	225	2,683	70	-	2,149	3,363	830	2,069
2 月	237	2,776	75	-	2,154	3,591	907	2,182
3 月	257	3,024	81	-	2,345	4,025	999	2,471
4 月	236	2,899	83	-	2,188	3,813	966	2,321
5 月	196	2,143	56	-	1,880	3,184	782	1,977
6 月	255	2,727	69	-	2,458	3,880	893	2,491
7 月	231	2,809	73	-	2,506	4,032	961	2,553
8 月	188	2,216	56	-	1,753	3,114	765	1,930
9 月	175	2,457	72	-	2,320	3,465	959	1,987
10 月	224	2,806	60	-	2,024	3,346	909	1,944
11 月	204	2,790	59	-	2,102	3,740	861	2,380
12 月	204	2,446	67	-	1,890	3,459	822	2,190

ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	Year, Quarter & Month
42	5,140	184	18,326	2,670	15,656	626	-	C.Y. 2017
44	5,249	182	18,203	2,672	15,531	600	-	C.Y. 2018
44	1,974	156	17,708	2,542	15,166	454	-	C.Y. 2019
40	1,771	146	16,021	2,456	13,565	479	-	C.Y. 2020
40	2,025	184	18,979	4,191	14,788	447	-	C.Y. 2021
42	1,840	150	17,035	2,480	14,555	449	-	F.Y. 2019
40	1,770	156	16,893	2,999	13,894	474	-	F.Y. 2020
8	461	46	5,064	1,171	3,893	125	-	Q1 2021
12	578	46	4,499	1,055	3,444	122	-	Q2
10	535	42	4,600	939	3,661	102	-	Q3
10	451	50	4,816	1,026	3,790	98	-	Q4
4	167	14	1,628	382	1,246	45	-	Jan. 2021
2	146	14	1,634	380	1,254	38	-	Feb.
2	148	18	1,802	409	1,393	42	-	Mar.
4	124	18	1,348	321	1,027	34	-	Apr.
4	127	10	1,434	383	1,051	47	-	May
4	327	18	1,717	351	1,366	41	-	Jun.
4	293	14	1,665	304	1,361	37	-	Jul.
2	133	14	1,180	307	873	34	-	Aug.
4	109	14	1,755	328	1,427	31	-	Sep.
4	134	18	1,778	329	1,449	31	-	Oct.
2	160	14	1,665	359	1,306	34	-	Nov.
4	157	18	1,373	338	1,035	33	-	Dec.

電力 Electricity 1000kWh	蒸気 Steam t	アルミニウム二次地金 Secondary aluminum ingots		灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	Year, Quarter & Month
		計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl					
716,786	3,998	156,720	103,546	2,215	967	32,535	29,685	C.Y. 2017
643,588	4,068	157,507	104,017	2,141	943	32,214	29,328	C.Y. 2018
688,247	4,088	148,378	97,198	1,803	916	29,777	26,910	C.Y. 2019
750,878	3,681	131,331	84,543	1,372	852	25,351	22,676	C.Y. 2020
686,107	3,144	143,395	87,224	787	911	24,584	21,952	C.Y. 2021
728,596	4,172	147,045	96,193	1,874	915	29,765	26,852	F.Y. 2019
729,955	3,070	131,982	83,399	1,056	851	24,067	21,398	F.Y. 2020
132,218	692	37,403	23,011	228	234	6,511	5,792	Q1 2021
186,640	730	35,893	21,731	222	230	6,133	5,446	Q2
203,900	802	34,892	21,044	193	224	5,739	5,145	Q3
163,349	920	35,207	21,439	144	223	6,201	5,569	Q4
38,692	227	11,858	7,394	69	77	2,129	1,904	Jan. 2021
39,409	229	12,229	7,513	75	80	2,131	1,894	Feb.
54,117	236	13,316	8,103	84	77	2,251	1,994	Mar.
60,149	231	12,623	7,672	77	79	2,116	1,880	Apr.
60,671	244	10,466	6,277	69	69	1,879	1,683	May
65,820	255	12,803	7,782	76	82	2,138	1,883	Jun.
70,090	242	13,062	7,860	76	85	2,075	1,844	Jul.
58,593	276	10,012	5,904	57	61	1,584	1,396	Aug.
75,217	284	11,819	7,280	60	78	2,080	1,905	Sep.
69,369	302	11,702	7,279	44	74	2,057	1,833	Oct.
45,810	303	12,289	7,448	47	75	2,160	1,956	Nov.
48,170	315	11,216	6,711	53	74	1,984	1,780	Dec.

都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	その他の非鉄金属 Other Non-ferrous metals			Year, Quarter & Month	
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl		軽油 Gas oil kl
27,751	-	-	153,444	24,359	4,265	79	2	C.Y. 2017
28,285	-	-	152,529	24,845	4,271	73	2	C.Y. 2018
27,213	-	-	144,789	26,284	4,992	80	1	C.Y. 2019
24,236	-	-	133,721	24,900	4,229	74	2	C.Y. 2020
26,321	-	-	141,454	25,724	4,184	65	4	C.Y. 2021
26,999	-	-	143,506	26,292	4,884	79	1	F.Y. 2019
24,376	-	-	134,146	25,024	4,199	70	1	F.Y. 2020
6,696	-	-	36,694	7,435	1,063	17	-	Q1 2021
6,727	-	-	35,309	6,073	1,001	17	-	Q2
6,418	-	-	34,802	5,346	1,043	13	3	Q3
6,480	-	-	34,649	6,869	1,077	18	1	Q4
2,062	-	-	11,834	2,682	381	7	-	Jan. 2021
2,174	-	-	12,095	2,323	279	4	-	Feb.
2,460	-	-	12,765	2,430	404	6	-	Mar.
2,305	-	-	12,232	2,033	336	6	-	Apr.
1,957	-	-	10,812	2,060	331	6	-	May
2,465	-	-	12,265	1,980	334	5	-	Jun.
2,518	-	-	12,577	2,056	354	5	2	Jul.
1,914	-	-	10,678	1,878	356	4	-	Aug.
1,986	-	-	11,547	1,412	333	4	1	Sep.
1,941	-	-	11,575	2,131	344	7	-	Oct.
2,376	-	-	11,823	2,145	311	6	1	Nov.
2,163	-	-	11,251	2,593	422	5	-	Dec.

年 月	その他の非鉄金属(つづき) Other Non-ferrous metals (continued) →							
	重油計	A重油	炭化水素油	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭
	Heavy fuel oil total kl	Heavy fuel oil A kl	Hydrocarbon oil kl	Liquefied petroleum gas t	Asphalt t	Reproduction oil (Oil origin) kl	Non-oil based fuels (Crude petroleum equivalent) kl	Coal t
平成 29 年	1,982	1,982	-	38	-	2,056	2,447	207
30 年	1,859	1,859	-	46	-	2,177	2,453	176
令和 1 年	1,917	1,917	-	44	-	2,812	2,344	184
2 年	1,945	1,945	-	38	-	2,062	2,186	137
3 年	1,712	1,712	-	56	-	2,239	2,426	147
令和 1 年度	1,850	1,850	-	42	-	2,776	2,286	181
2 年	1,862	1,862	-	37	-	2,122	2,300	132
3 年 1~3月	410	410	-	14	-	594	681	45
4~6	413	413	-	11	-	535	558	41
7~9	402	402	-	13	-	584	537	23
10~12	487	487	-	18	-	526	651	38
3 年 1月	179	179	-	4	-	182	230	14
2	113	113	-	5	-	149	242	15
3	118	118	-	5	-	263	209	16
4	118	118	-	3	-	200	205	13
5	166	166	-	4	-	148	169	12
6	129	129	-	4	-	187	184	16
7	141	141	-	4	-	193	144	13
8	121	121	-	4	-	217	202	9
9	140	140	-	5	-	174	190	1
10	145	145	-	7	-	176	178	10
11	141	141	-	7	-	148	214	13
12	201	201	-	4	-	202	259	15

石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
434	1,340	76	84	-	-	86,801	138,496	C.Y. 2017
516	1,325	65	70	-	-	88,253	143,388	C.Y. 2018
485	1,248	78	87	-	-	86,998	157,033	C.Y. 2019
326	1,255	66	72	-	-	83,365	155,231	C.Y. 2020
148	1,520	60	64	-	-	87,521	158,732	C.Y. 2021
521	1,190	77	86	-	-	87,432	158,969	F.Y. 2019
290	1,363	60	64	-	-	82,827	156,543	F.Y. 2020
91	400	15	16	-	-	21,866	52,906	Q1 2021
17	358	11	11	-	-	22,138	35,511	Q2
19	349	13	13	-	-	21,968	24,931	Q3
21	413	21	24	-	-	21,549	45,384	Q4
30	135	6	7	-	-	7,702	19,593	Jan. 2021
57	130	5	5	-	-	6,980	16,689	Feb.
4	135	4	4	-	-	7,184	16,624	Mar.
5	134	3	3	-	-	7,259	11,819	Apr.
5	109	3	3	-	-	7,548	12,403	May
7	115	5	5	-	-	7,331	0	Jun.
7	89	4	4	-	-	8,252	11,430	Jul.
6	132	5	5	-	-	6,912	9,792	Aug.
-	128	4	4	-	-	6,804	3,709	Sep.
-	112	7	8	-	-	7,552	13,109	Oct.
-	135	7	8	-	-	7,041	13,960	Nov.
-	166	7	8	-	-	6,956	18,315	Dec.

⑧ 非鉄金属地金 Non-ferrous metals

一次投入燃料換算表 Conversion table for primary input fuel

年 月	非鉄金属地金工業 Non-ferrous metals industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	1,078,426	262,743	54	20,082	3,259	137,228	65,511	71,717
30	1,079,276	264,077	56	19,484	3,506	138,851	61,122	77,729
令和 1 年	1,067,152	248,804	59	15,096	3,823	131,063	73,300	57,764
2	1,040,701	240,950	52	14,164	3,518	129,160	56,372	72,789
3	1,056,428	240,958	52	15,666	3,426	128,308	59,175	69,133
令和 1 年度	1,062,219	248,891	57	14,454	3,878	131,536	69,900	61,636
2	1,046,139	239,864	52	14,489	3,498	128,796	56,429	72,367
3 年 1~3月	266,227	62,365	11	3,657	946	34,846	16,114	18,733
4~6	272,028	60,962	15	4,098	792	31,076	13,753	17,323
7~9	255,493	58,143	13	4,080	872	29,319	11,866	17,453
10~12	262,679	59,488	13	3,831	816	33,067	17,443	15,624
3 年 1月	91,827	22,037	5	1,271	307	12,180	5,170	7,011
2	83,022	19,358	3	1,213	315	10,661	5,246	5,415
3	91,379	20,970	3	1,173	324	12,005	5,698	6,308
4	91,151	20,745	5	1,326	256	10,690	4,988	5,702
5	90,598	19,285	5	1,315	254	10,205	4,418	5,787
6	90,279	20,932	5	1,457	282	10,181	4,347	5,834
7	85,681	20,921	5	1,483	286	9,956	4,018	5,938
8	87,738	17,957	3	1,419	289	9,179	3,709	5,470
9	82,074	19,266	5	1,178	297	10,184	4,138	6,046
10	87,963	20,078	5	1,031	271	11,110	5,235	5,874
11	85,768	19,152	3	1,368	278	10,433	6,288	4,145
12	88,948	20,258	5	1,432	267	11,524	5,919	5,604

年 月	非鉄金属地金工業(つづき) Non-ferrous metals industry (continued)							
	高炉ガス Blast furnace gas	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity
	1000m ³	1000m ³	t	1000m ³	1000m ³	t	t	1000kWh
平成 29 年	366,345	4,726	22,906	60,250	63,450	-	-	5,150,602
30	361,110	4,253	24,485	61,363	64,674	-	-	5,205,037
令和 1 年	447,733	4,364	22,671	56,205	59,162	-	-	5,109,719
2	375,316	3,754	20,462	51,153	54,025	-	-	5,158,536
3	390,682	1,419	27,123	57,354	60,527	-	-	5,092,468
令和 1 年度	409,513	4,496	21,812	54,964	57,847	-	-	5,155,590
2	409,334	3,710	22,326	52,922	55,949	-	-	5,099,478
3 年 1~3月	111,429	1,015	6,905	15,183	16,082	-	-	1,230,534
4~6	99,792	404	6,786	14,174	14,906	-	-	1,325,076
7~9	85,682	-	6,595	13,509	14,216	-	-	1,269,624
10~12	93,778	-	6,837	14,488	15,322	-	-	1,267,234
3 年 1月	37,823	225	2,225	4,714	4,997	-	-	427,881
2	36,123	386	2,261	5,079	5,389	-	-	374,993
3	37,483	404	2,419	5,390	5,696	-	-	427,660
4	30,113	404	2,424	4,894	5,155	-	-	439,160
5	37,271	-	2,191	4,249	4,474	-	-	444,116
6	32,408	-	2,171	5,031	5,278	-	-	441,800
7	40,099	-	2,213	5,089	5,326	-	-	385,596
8	39,464	-	2,170	3,890	4,086	-	-	439,959
9	6,119	-	2,212	4,530	4,805	-	-	444,069
10	22,082	-	2,329	4,606	4,893	-	-	445,544
11	40,621	-	2,166	5,192	5,495	-	-	391,069
12	31,075	-	2,342	4,690	4,935	-	-	430,621

年 月	非鉄金属地金計(つづき) Non-ferrous metals total (continued)							
	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal
	kl	kl	t	t	t	kl	kl	t
平成 29 年	70,953	39,264	5,504	5,597	-	34,196	298,147	63,464
30	77,016	40,206	6,063	1,876	-	34,096	291,259	51,500
令和 1 年	57,191	37,480	5,715	3,981	-	35,083	302,887	50,645
2	71,880	34,574	5,808	7,713	-	29,009	280,214	54,412
3	68,822	36,477	5,271	3,790	-	32,779	299,262	53,032
令和 1 年度	61,023	37,473	5,773	4,252	-	34,136	294,096	51,859
2	71,380	34,719	5,390	7,807	-	29,291	291,672	54,658
3 年 1~3月	18,544	9,394	1,307	539	-	8,232	78,198	14,386
4~6	17,307	9,117	1,428	2,021	-	8,495	77,298	12,955
7~9	17,426	8,609	1,388	970	-	8,863	69,702	14,087
10~12	15,545	9,357	1,148	260	-	7,189	74,064	11,604
3 年 1月	6,862	3,142	493	206	-	2,973	26,199	5,434
2	5,386	3,023	369	219	-	2,603	25,065	4,311
3	6,296	3,229	445	114	-	2,656	26,934	4,641
4	5,689	3,427	474	669	-	2,602	25,806	4,304
5	5,784	2,614	482	340	-	2,705	26,491	4,629
6	5,834	3,076	472	1,012	-	3,188	25,001	4,022
7	5,926	3,189	477	740	-	3,423	25,572	4,491
8	5,460	2,526	454	71	-	2,714	25,495	4,534
9	6,040	2,894	457	159	-	2,726	18,635	5,062
10	5,870	3,256	455	63	-	2,449	22,759	3,632
11	4,119	3,191	357	87	-	2,331	26,385	3,495
12	5,556	2,910	336	110	-	2,409	24,920	4,477

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter &Month
44,891	6,238	5,597	-	34,200	308,112	63,464	169,374	C.Y. 2017
46,375	6,969	1,876	-	34,096	301,251	51,500	167,464	C.Y. 2018
42,426	6,598	3,981	-	35,083	312,759	50,645	184,223	C.Y. 2019
40,274	6,541	7,713	-	29,009	289,567	54,412	170,988	C.Y. 2020
41,798	6,260	3,790	-	32,779	308,954	53,032	177,451	C.Y. 2021
42,953	6,667	4,252	-	34,136	303,607	51,859	178,788	F.Y. 2019
39,842	6,349	7,807	-	29,291	301,397	54,658	176,118	F.Y. 2020
10,151	1,575	539	-	8,232	80,743	14,386	43,781	Q1 2021
10,692	1,665	2,021	-	8,495	79,747	12,955	47,959	Q2
10,157	1,629	970	-	8,863	72,001	14,087	40,270	Q3
10,798	1,391	260	-	7,189	76,464	11,604	45,441	Q4
3,620	584	206	-	2,973	27,031	5,434	14,917	Jan. 2021
3,188	458	219	-	2,603	25,901	4,311	13,770	Feb.
3,343	533	114	-	2,656	27,811	4,641	15,094	Mar.
3,931	559	669	-	2,602	26,624	4,304	15,479	Apr.
3,177	551	340	-	2,705	27,314	4,629	17,222	May
3,584	555	1,012	-	3,188	25,809	4,022	15,258	Jun.
3,741	560	740	-	3,423	26,451	4,491	14,597	Jul.
3,020	536	71	-	2,714	26,291	4,534	16,262	Aug.
3,396	533	159	-	2,726	19,260	5,062	9,411	Sep.
3,810	534	63	-	2,449	23,465	3,632	13,999	Oct.
3,600	441	87	-	2,331	27,254	3,495	16,351	Nov.
3,388	416	110	-	2,409	25,745	4,477	15,091	Dec.

非鉄金属地金計 Non-ferrous metals total									Year, Quarter &Month
蒸気 Steam t	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl		
411,517	933,563	230,756	54	8,990	1,319	124,892	53,939	C.Y. 2017	
430,527	939,401	234,244	56	8,908	1,270	129,246	52,230	C.Y. 2018	
437,878	930,578	220,266	59	5,112	1,210	121,197	64,006	C.Y. 2019	
438,659	907,616	211,462	52	4,717	1,143	118,517	46,637	C.Y. 2020	
474,497	918,925	212,401	52	4,403	1,238	119,372	50,550	C.Y. 2021	
435,921	927,498	220,333	57	5,144	1,202	121,667	60,644	F.Y. 2019	
441,371	913,209	210,650	52	4,471	1,154	118,288	46,908	F.Y. 2020	
125,167	233,076	55,651	11	1,083	318	32,334	13,790	Q1 2021	
116,556	237,272	53,591	15	1,180	311	28,877	11,570	Q2	
104,813	220,872	51,348	13	1,257	299	27,672	10,246	Q3	
127,961	227,705	51,811	13	883	310	30,490	14,944	Q4	
42,767	80,209	19,467	5	371	104	11,286	4,424	Jan. 2021	
41,666	72,424	17,220	3	357	106	9,827	4,441	Feb.	
40,734	80,442	18,965	3	355	108	11,221	4,925	Mar.	
42,390	79,393	18,247	5	344	108	9,900	4,211	Apr.	
38,864	78,719	16,651	5	363	91	9,305	3,521	May	
35,302	79,160	18,693	5	473	112	9,673	3,839	Jun.	
35,309	74,418	18,760	5	494	110	9,582	3,656	Jul.	
37,097	75,995	15,629	3	448	86	8,587	3,127	Aug.	
32,407	70,459	16,959	5	315	103	9,503	3,463	Sep.	
43,024	76,057	17,707	5	268	104	10,301	4,431	Oct.	
43,167	74,721	16,617	3	292	101	9,624	5,505	Nov.	
41,770	76,926	17,487	5	323	105	10,564	5,008	Dec.	

石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Year, Quarter &Month
169,153	324,614	4,726	22,297	55,726	58,497	-	-	C.Y. 2017
167,077	320,482	4,253	24,023	56,663	59,528	-	-	C.Y. 2018
183,839	399,991	4,364	22,328	52,000	54,558	-	-	C.Y. 2019
170,653	338,325	3,754	20,074	46,604	49,043	-	-	C.Y. 2020
177,259	351,881	1,419	26,702	52,733	55,466	-	-	C.Y. 2021
178,393	365,130	4,496	21,466	50,826	53,316	-	-	F.Y. 2019
175,797	370,239	3,710	21,936	48,244	50,826	-	-	F.Y. 2020
43,738	100,709	1,015	6,815	13,983	14,767	-	-	Q1 2021
47,906	90,004	404	6,680	13,007	13,629	-	-	Q2
40,225	76,697	-	6,479	12,415	13,018	-	-	Q3
45,390	84,472	-	6,728	13,328	14,052	-	-	Q4
14,900	34,126	225	2,192	4,344	4,592	-	-	Jan. 2021
13,754	32,639	386	2,236	4,678	4,950	-	-	Feb.
15,084	33,944	404	2,388	4,961	5,226	-	-	Mar.
15,463	27,308	404	2,383	4,473	4,694	-	-	Apr.
17,205	33,539	-	2,162	3,883	4,073	-	-	May
15,238	29,156	-	2,135	4,651	4,862	-	-	Jun.
14,583	36,049	-	2,185	4,698	4,898	-	-	Jul.
16,247	35,520	-	2,141	3,564	3,729	-	-	Aug.
9,395	5,128	-	2,154	4,152	4,392	-	-	Sep.
13,979	19,969	-	2,289	4,228	4,479	-	-	Oct.
16,337	36,616	-	2,143	4,800	5,065	-	-	Nov.
15,074	27,887	-	2,295	4,300	4,508	-	-	Dec.

年 月	非鉄金属地金計(つづき)		銅計 Copper total					
	電力	蒸気	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A
	Electricity 1000kWh	Steam t	kl	kl	kl	kl	kl	kl
平成 29 年	4,233,616	156,761	265,037	76,947	1,430	67	57,287	9,279
30	4,304,225	195,377	272,742	78,662	1,285	47	61,272	7,235
令和 1 年	4,229,171	202,728	261,705	74,907	1,168	44	57,711	21,609
2	4,308,086	219,719	280,503	80,036	1,428	48	57,819	6,215
3	4,207,826	229,116	268,804	74,406	1,457	44	56,758	8,412
令和 1 年度	4,285,505	208,573	266,502	75,958	1,267	44	57,615	17,699
2	4,251,824	222,334	278,421	79,950	1,510	50	58,330	7,192
3 年 1~3月	1,020,223	62,526	68,411	19,746	361	13	15,951	2,714
4~6	1,100,836	57,581	68,940	19,339	346	13	13,749	1,362
7~9	1,040,436	43,944	68,351	18,399	499	8	13,705	1,225
10~12	1,046,332	65,066	63,102	16,922	251	10	13,354	3,111
3 年 1月	355,179	21,753	25,647	7,683	123	5	6,104	933
2	309,028	20,146	20,262	5,660	127	4	4,540	843
3	356,016	20,626	22,503	6,404	111	4	5,307	939
4	364,920	20,179	23,049	6,609	133	4	4,657	487
5	367,760	19,774	23,590	6,333	156	5	4,674	401
6	368,156	17,627	22,301	6,397	57	4	4,417	473
7	311,252	16,376	23,160	6,600	117	2	4,706	439
8	362,357	16,836	22,704	5,873	247	4	4,524	440
9	366,827	10,732	22,487	5,925	135	2	4,475	346
10	366,800	21,270	22,225	6,152	77	4	4,832	911
11	324,393	22,334	18,207	4,593	72	2	3,587	1,260
12	355,138	21,463	22,670	6,177	102	4	4,935	940

年 月	銅計(つづき)		Copper total (continued)			銅(溶錬工程) Copper (Fusing and mixing process)		
	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	液化天然ガス Liquefied natural gas	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene
	t	t	t	1000kWh	t	kl	kl	kl
平成 29 年	3,307	2,359	-	1,478,985	54,860	209,891	74,065	506
30	3,238	2,652	-	1,607,593	84,519	208,813	77,138	499
令和 1 年	2,870	2,499	-	1,540,795	82,728	201,375	73,284	532
2	4,459	2,572	-	1,625,891	103,023	215,180	78,127	491
3	5,294	2,653	-	1,548,642	115,518	205,590	72,944	786
令和 1 年度	3,271	2,597	-	1,564,137	87,189	205,246	74,420	509
2	4,435	2,585	-	1,596,918	106,947	213,288	77,821	655
3 年 1~3月	886	714	-	380,897	30,656	52,125	19,165	277
4~6	1,847	675	-	395,444	29,178	53,487	19,186	255
7~9	1,310	672	-	399,972	22,786	53,013	17,979	132
10~12	1,251	592	-	372,328	32,897	46,965	16,614	122
3 年 1月	503	216	-	139,695	10,496	19,876	7,536	83
2	109	265	-	114,436	9,798	15,189	5,422	83
3	274	233	-	126,767	10,363	17,061	6,206	111
4	614	230	-	130,724	9,913	17,913	6,555	104
5	979	226	-	134,095	9,964	18,358	6,255	94
6	254	219	-	130,625	9,301	17,216	6,375	57
7	331	217	-	134,843	7,724	18,009	6,533	74
8	596	237	-	135,692	6,724	17,419	5,653	30
9	383	218	-	129,438	8,338	17,585	5,793	28
10	433	173	-	133,372	10,668	16,900	6,045	21
11	396	180	-	108,096	11,205	13,065	4,525	71
12	422	239	-	130,860	11,024	17,000	6,045	30

年 月	銅(溶錬工程) (つづき) Copper (Fusing and mixing process) (continued)							
	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	液化天然ガス Liquefied natural gas	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam
	kl	kl	t	t	t	t	1000kWh	t
平成 29 年	-	46,717	61,554	3,307	2,359	-	937,219	27,851
30	-	38,695	48,930	3,238	2,652	-	978,827	30,564
令和 1 年	-	37,750	48,253	2,870	2,499	-	949,693	28,893
2	-	42,100	52,831	4,459	2,572	-	998,883	29,416
3	-	42,354	51,358	5,294	2,653	-	946,618	32,334
令和 1 年度	-	39,016	49,493	3,271	2,597	-	965,782	28,489
2	-	42,528	53,268	4,435	2,585	-	976,720	30,112
3 年 1~3月	-	11,114	13,998	886	714	-	228,975	7,906
4~6	-	10,799	12,546	1,847	675	-	247,013	7,584
7~9	-	11,170	13,699	1,310	672	-	249,948	8,856
10~12	-	9,270	11,115	1,251	592	-	220,681	7,987
3 年 1月	-	4,243	5,280	503	216	-	85,148	2,536
2	-	3,280	4,187	109	265	-	67,749	2,662
3	-	3,590	4,531	274	233	-	76,078	2,708
4	-	3,595	4,166	614	230	-	81,322	2,877
5	-	4,094	4,509	979	226	-	84,239	2,494
6	-	3,111	3,871	254	219	-	81,452	2,213
7	-	3,482	4,341	331	217	-	84,223	2,293
8	-	3,743	4,391	596	237	-	84,205	2,749
9	-	3,945	4,967	383	218	-	81,521	3,814
10	-	2,929	3,500	433	173	-	83,101	2,822
11	-	2,783	3,310	396	180	-	59,887	2,691
12	-	3,557	4,305	422	239	-	77,694	2,473

B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	Year, Quarter &Month
48,008	5,722	3,258	4,791	-	-	46,717	61,554	C.Y. 2017
54,037	5,096	3,816	1,367	-	-	38,695	48,930	C.Y. 2018
36,102	4,814	3,779	3,448	-	-	37,750	48,253	C.Y. 2019
51,604	5,418	4,075	6,821	-	-	42,100	52,831	C.Y. 2020
48,347	4,701	3,918	2,770	-	-	42,354	51,358	C.Y. 2021
39,916	5,291	3,857	3,655	-	-	39,016	49,493	F.Y. 2019
51,138	4,980	3,981	6,870	-	-	42,528	53,268	F.Y. 2020
13,236	911	932	256	-	-	11,114	13,998	Q1 2021
12,387	1,348	1,082	1,694	-	-	10,799	12,546	Q2
12,480	1,127	1,066	772	-	-	11,170	13,699	Q3
10,243	1,315	838	48	-	-	9,270	11,115	Q4
5,172	459	370	99	-	-	4,243	5,280	Jan. 2021
3,697	247	248	139	-	-	3,280	4,187	Feb.
4,368	205	314	18	-	-	3,590	4,531	Mar.
4,170	528	351	564	-	-	3,595	4,166	Apr.
4,273	471	374	223	-	-	4,094	4,509	May
3,944	349	357	907	-	-	3,111	3,871	Jun.
4,268	380	362	669	-	-	3,482	4,341	Jul.
4,084	310	358	-	-	-	3,743	4,391	Aug.
4,129	437	346	103	-	-	3,945	4,967	Sep.
3,921	450	355	-	-	-	2,929	3,500	Oct.
2,327	401	254	-	-	-	2,783	3,310	Nov.
3,995	464	229	48	-	-	3,557	4,305	Dec.

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	アスファルト Asphalt t	Year, Quarter &Month
66	55,411	8,916	46,495	5,722	3,258	4,791	-	C.Y. 2017
47	60,548	7,163	53,385	5,096	3,816	1,367	-	C.Y. 2018
44	56,747	21,272	35,475	4,814	3,779	3,448	-	C.Y. 2019
48	56,873	6,158	50,714	5,418	4,075	6,821	-	C.Y. 2020
44	55,960	7,975	47,985	4,701	3,918	2,770	-	C.Y. 2021
44	56,854	17,638	39,217	5,291	3,857	3,655	-	F.Y. 2019
50	57,085	6,818	50,267	4,980	3,981	6,870	-	F.Y. 2020
13	15,462	2,372	13,090	911	932	256	-	Q1 2021
13	13,686	1,354	12,332	1,348	1,082	1,694	-	Q2
8	13,636	1,204	12,431	1,127	1,066	772	-	Q3
10	13,177	3,045	10,132	1,315	838	48	-	Q4
5	6,004	932	5,072	459	370	99	-	Jan. 2021
4	4,347	683	3,664	247	248	139	-	Feb.
4	5,111	757	4,354	205	314	18	-	Mar.
4	4,633	482	4,150	528	351	564	-	Apr.
5	4,656	399	4,257	471	374	223	-	May
4	4,397	472	3,925	349	357	907	-	Jun.
2	4,682	433	4,249	380	362	669	-	Jul.
4	4,508	439	4,070	310	358	-	-	Aug.
2	4,445	333	4,112	437	346	103	-	Sep.
4	4,779	877	3,902	450	355	-	-	Oct.
2	3,523	1,230	2,293	401	254	-	-	Nov.
4	4,875	938	3,937	464	229	48	-	Dec.

銅(電解工程) Copper (Electrolytic process)								Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	再生油 (石油由来) Reproduction oil (Oil origin) kl	
55,146	2,882	924	1	1,876	363	1,513	-		C.Y. 2017
63,929	1,524	786	-	724	72	652	-	C.Y. 2018
60,330	1,623	636	-	964	337	628	-	C.Y. 2019
65,323	1,909	937	-	946	57	889	-	C.Y. 2020
63,214	1,462	671	-	798	437	362	-	C.Y. 2021
61,256	1,538	758	-	761	61	700	-	F.Y. 2019
65,133	2,129	855	-	1,245	374	871	-	F.Y. 2020
16,286	582	84	-	489	343	146	-	Q1 2021
15,453	153	91	-	63	8	55	-	Q2
15,338	419	367	-	69	20	49	-	Q3
16,136	308	129	-	177	66	111	-	Q4
5,771	147	40	-	101	1	100	-	Jan. 2021
5,074	237	44	-	192	160	33	-	Feb.
5,442	198	-	-	196	182	14	-	Mar.
5,136	54	29	-	25	5	20	-	Apr.
5,232	78	62	-	18	2	16	-	May
5,086	22	-	-	20	1	19	-	Jun.
5,151	67	43	-	24	6	19	-	Jul.
5,285	221	217	-	15	2	14	-	Aug.
4,902	132	107	-	30	13	17	-	Sep.
5,326	107	56	-	52	34	19	-	Oct.
5,141	68	1	-	64	30	34	-	Nov.
5,670	133	72	-	60	2	58	-	Dec.

年 月	銅(電解工程)(つづき) Copper (Electrolytic process) (continued)					鉛計 Lead total		
	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	灯油 Kerosene
	kl	t	t	1000kWh	t	kl	kl	kl
平成 29 年	-	-	-	541,766	27,008	80,584	8,303	44
30	-	-	-	630,766	53,955	79,924	8,489	77
令和 1 年	-	-	-	591,102	53,836	84,973	7,153	4
2	-	-	-	627,008	73,607	79,713	7,984	2
3	-	-	-	602,024	83,184	81,060	9,171	1
令和 1 年度	-	-	-	598,354	58,700	82,182	7,105	2
2	-	-	-	620,198	76,836	80,936	8,211	2
3 年 1~3月	-	-	-	151,922	22,750	19,920	2,213	1
4~6	-	-	-	148,431	21,594	21,088	2,271	-
7~9	-	-	-	150,024	13,930	18,798	2,050	-
10~12	-	-	-	151,647	24,911	21,255	2,637	-
3 年 1月	-	-	-	54,546	7,959	7,073	840	1
2	-	-	-	46,687	7,136	6,380	672	-
3	-	-	-	50,689	7,655	6,467	701	-
4	-	-	-	49,402	7,035	6,822	768	-
5	-	-	-	49,856	7,470	7,433	779	-
6	-	-	-	49,173	7,088	6,832	724	-
7	-	-	-	50,620	5,431	7,192	720	-
8	-	-	-	51,486	3,975	6,903	721	-
9	-	-	-	47,917	4,524	4,703	609	-
10	-	-	-	50,271	7,846	6,694	824	-
11	-	-	-	48,210	8,514	7,524	897	-
12	-	-	-	53,167	8,550	7,037	916	-

年 月	鉛計(つづき) Lead total (continued)							鉛(溶錬工程) →
	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	高炉ガス Blast furnace gas	液化天然ガス Liquefied natural gas	RPF Refuse Paper & Plastic Fuel	電力 Electricity	蒸気 Steam	計 (原油換算) Total (Crude petroleum equivalent)
	t	t	1000m ³	t	t	1000kWh	t	kl
平成 29 年	1,703	66,558	86,927	790	-	123,646	4,495	72,457
30	2,394	63,720	85,574	1,074	-	127,824	7,124	71,819
令和 1 年	2,208	70,264	105,780	735	-	132,110	4,742	78,165
2	1,444	66,401	86,825	680	-	122,778	4,258	71,698
3	1,527	66,759	89,214	716	-	121,850	3,712	73,085
令和 1 年度	2,185	68,253	94,687	683	-	130,542	4,686	75,164
2	1,258	67,218	94,222	706	-	121,412	4,222	72,915
3 年 1~3月	343	16,094	24,861	177	-	29,952	1,244	17,959
4~6	368	17,510	23,541	179	-	31,863	847	19,078
7~9	365	15,697	19,493	166	-	28,271	1,116	16,867
10~12	451	17,458	21,319	195	-	31,764	505	19,160
3 年 1月	140	5,592	8,300	61	-	11,489	386	6,301
2	109	5,226	7,795	53	-	9,607	441	5,761
3	94	5,276	8,766	62	-	8,856	417	5,897
4	125	5,639	6,940	64	-	10,584	427	6,122
5	108	6,200	8,867	56	-	10,984	247	6,760
6	135	5,671	7,735	60	-	10,294	172	6,197
7	137	5,933	9,155	60	-	10,682	145	6,528
8	134	5,580	9,061	68	-	10,334	239	6,239
9	94	4,184	1,277	37	-	7,255	732	4,101
10	122	5,601	5,108	76	-	10,741	191	6,025
11	172	6,131	9,299	54	-	10,462	128	6,848
12	157	5,726	6,911	65	-	10,561	187	6,287

年 月	鉛(溶錬工程)(つづき) Lead (Fusing and mixing process) (continued)							
	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	高炉ガス Blast furnace gas	液化天然ガス Liquefied natural gas	RPF Refuse Paper & Plastic Fuel
	t	kl	kl	t	t	1000m ³	t	t
平成 29 年	-	848	60,468	1,703	66,558	86,927	790	-
30	-	1,010	59,053	2,394	63,720	85,574	1,074	-
令和 1 年	-	1,513	65,203	2,208	70,264	105,780	735	-
2	-	783	60,013	1,444	66,401	86,825	680	-
3	-	876	60,297	1,527	66,759	89,214	716	-
令和 1 年度	-	1,341	62,609	2,185	68,253	94,687	683	-
2	-	727	61,139	1,258	67,218	94,222	706	-
3 年 1~3月	-	175	14,834	343	16,094	24,861	177	-
4~6	-	284	15,794	368	17,510	23,541	179	-
7~9	-	327	14,041	365	15,697	19,493	166	-
10~12	-	90	15,628	451	17,458	21,319	195	-
3 年 1月	-	124	5,137	140	5,592	8,300	61	-
2	-	51	4,784	109	5,226	7,795	53	-
3	-	-	4,913	94	5,276	8,766	62	-
4	-	28	5,040	125	5,639	6,940	64	-
5	-	145	5,615	108	6,200	8,867	56	-
6	-	111	5,139	135	5,671	7,735	60	-
7	-	146	5,468	137	5,933	9,155	60	-
8	-	147	5,204	134	5,580	9,061	68	-
9	-	34	3,369	94	4,184	1,277	37	-
10	-	39	4,857	122	5,601	5,108	76	-
11	-	-	5,645	172	6,131	9,299	54	-
12	-	51	5,126	157	5,726	6,911	65	-

軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	Year, Quarter & Month
-	5,840	5,564	276	12	806	1,639	60,468	C.Y. 2017
-	6,118	5,831	287	12	509	1,737	59,053	C.Y. 2018
1	5,096	5,096	-	12	533	1,513	65,203	C.Y. 2019
2	5,528	5,517	11	11	892	1,628	60,013	C.Y. 2020
-	6,268	6,268	-	9	1,020	1,907	60,297	C.Y. 2021
1	4,941	4,941	-	12	597	1,573	62,609	F.Y. 2019
2	5,766	5,755	11	11	937	1,565	61,139	F.Y. 2020
-	1,541	1,541	-	3	283	400	14,834	Q1 2021
-	1,411	1,411	-	1	327	549	15,794	Q2
-	1,245	1,245	-	2	198	602	14,041	Q3
-	2,070	2,070	-	3	212	356	15,628	Q4
-	509	509	-	1	107	226	5,137	Jan. 2021
-	468	468	-	1	80	126	4,784	Feb.
-	564	564	-	1	96	48	4,913	Mar.
-	549	549	-	1	105	120	5,040	Apr.
-	442	442	-	-	117	226	5,615	May
-	421	421	-	-	105	203	5,139	Jun.
-	418	418	-	-	71	230	5,468	Jul.
-	391	391	-	1	71	256	5,204	Aug.
-	437	437	-	1	56	116	3,369	Sep.
-	632	632	-	1	63	128	4,857	Oct.
-	732	732	-	1	87	81	5,645	Nov.
-	705	705	-	1	62	147	5,126	Dec.

Lead (Fusing and mixing process)								Year, Quarter & Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	
4,203	4	-	2,648	2,372	276	-	806	C.Y. 2017
4,406	5	-	2,908	2,621	287	-	509	C.Y. 2018
4,299	4	1	2,287	2,287	-	-	533	C.Y. 2019
3,918	2	2	2,387	2,376	11	-	892	C.Y. 2020
5,043	1	-	3,238	3,238	-	-	1,020	C.Y. 2021
4,006	2	1	2,127	2,127	-	-	597	F.Y. 2019
4,162	2	2	2,630	2,620	11	-	937	F.Y. 2020
1,180	1	-	750	750	-	-	283	Q1 2021
1,252	-	-	672	672	-	-	327	Q2
1,069	-	-	556	556	-	-	198	Q3
1,542	-	-	1,260	1,260	-	-	212	Q4
429	1	-	206	206	-	-	107	Jan. 2021
350	-	-	227	227	-	-	80	Feb.
401	-	-	316	316	-	-	96	Mar.
405	-	-	284	284	-	-	105	Apr.
444	-	-	192	192	-	-	117	May
403	-	-	197	197	-	-	105	Jun.
391	-	-	177	177	-	-	71	Jul.
380	-	-	166	166	-	-	71	Aug.
298	-	-	214	214	-	-	56	Sep.
495	-	-	398	398	-	-	63	Oct.
540	-	-	463	463	-	-	87	Nov.
506	-	-	398	398	-	-	62	Dec.

鉛(電解工程) Lead (Electrolytic process)								Year, Quarter & Month
電力 Electricity 1000kWh	蒸気 Steam t	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	灯油 Kerosene kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	
82,076	2,177	8,127	4,100	40	3,192	3,192	-	C.Y. 2017
86,997	3,866	8,106	4,083	72	3,210	3,210	-	C.Y. 2018
90,636	3,354	6,808	2,854	-	2,809	2,809	-	C.Y. 2019
81,454	2,744	8,015	4,066	-	3,141	3,141	-	C.Y. 2020
81,602	1,934	7,995	4,128	-	3,030	3,030	-	C.Y. 2021
89,396	3,377	7,017	3,099	-	2,814	2,814	-	F.Y. 2019
79,913	2,603	8,021	4,049	-	3,136	3,136	-	F.Y. 2020
20,431	647	1,960	1,033	-	792	792	-	Q1 2021
21,463	519	2,009	1,019	-	739	739	-	Q2
18,381	687	1,930	981	-	689	689	-	Q3
21,327	82	2,095	1,095	-	810	810	-	Q4
7,755	184	772	411	-	302	302	-	Jan. 2021
6,579	227	619	322	-	242	242	-	Feb.
6,097	236	569	300	-	248	248	-	Mar.
7,060	299	700	363	-	265	265	-	Apr.
7,432	125	674	335	-	250	250	-	May
6,970	95	635	321	-	224	224	-	Jun.
7,119	98	664	330	-	241	241	-	Jul.
6,917	160	664	341	-	225	225	-	Aug.
4,345	429	602	311	-	223	223	-	Sep.
7,188	57	669	329	-	234	234	-	Oct.
7,117	7	676	356	-	269	269	-	Nov.
7,022	18	751	410	-	307	307	-	Dec.

年 月	鉛(電解工程)(つづき) Lead (Electrolytic process)(continued)							
	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	廃プラスチック	RPF	電力	蒸気
	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Steam
	t	t	kl	kl	t	t	1000kWh	t
平成 29 年	12	-	791	-	-	-	41,570	2,319
30	12	-	727	-	-	-	40,827	3,259
令和 1 年	12	-	-	-	-	-	41,474	1,388
2	11	-	845	-	-	-	41,324	1,514
3	9	-	1,031	-	-	-	40,248	1,778
令和 1 年度	12	-	232	-	-	-	41,146	1,309
2	11	-	838	-	-	-	41,499	1,619
3 年 1~3月	3	-	225	-	-	-	9,521	598
4~6	1	-	265	-	-	-	10,400	328
7~9	2	-	275	-	-	-	9,890	429
10~12	3	-	266	-	-	-	10,437	423
3 年 1月	1	-	102	-	-	-	3,734	203
2	1	-	75	-	-	-	3,028	214
3	1	-	48	-	-	-	2,759	182
4	1	-	92	-	-	-	3,524	128
5	-	-	81	-	-	-	3,552	123
6	-	-	92	-	-	-	3,324	77
7	-	-	84	-	-	-	3,563	47
8	1	-	109	-	-	-	3,417	80
9	1	-	82	-	-	-	2,910	302
10	1	-	89	-	-	-	3,553	134
11	1	-	81	-	-	-	3,345	121
12	1	-	96	-	-	-	3,539	169

年 月	亜鉛計(つづき) Zinc total (continued)							
	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭コークス (ピッチコークスを含む)	高炉ガス	液化天然ガス	都市ガス (A)
	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal coke (including pitch coke)	Blast furnace gas	Liquefied natural gas	Town gas(A)
	t	t	kl	kl	t	1000m ³	t	1000m ³
平成 29 年	32	-	2,495	107,069	98,854	231,886	7,609	676
30	27	-	2,987	109,304	99,603	229,031	8,988	652
令和 1 年	28	-	4,668	122,115	110,220	288,371	8,629	672
2	24	-	2,454	109,540	99,467	246,507	7,079	1,907
3	20	-	2,864	116,715	105,058	257,997	8,195	2,191
令和 1 年度	28	-	4,199	116,436	106,348	264,911	8,056	787
2	23	-	2,328	116,626	103,854	270,914	7,518	2,703
3 年 1~3月	7	-	590	30,901	26,667	73,817	2,007	1,069
4~6	4	-	885	30,791	28,532	65,958	2,060	349
7~9	4	-	1,098	25,803	23,199	56,840	1,982	315
10~12	5	-	291	29,219	26,660	61,382	2,147	458
3 年 1月	3	-	416	10,361	8,775	25,050	694	415
2	2	-	174	9,899	8,362	24,165	629	433
3	2	-	-	10,641	9,530	24,602	685	221
4	2	-	94	9,929	9,205	20,217	695	154
5	1	-	451	10,860	10,021	24,477	683	107
6	1	-	340	10,001	9,306	21,264	681	87
7	1	-	494	9,798	8,312	26,719	679	121
8	1	-	488	11,074	10,065	26,297	695	104
9	2	-	116	4,932	4,822	3,823	608	90
10	1	-	121	8,434	7,939	14,450	745	83
11	2	-	-	10,971	9,802	26,607	670	188
12	2	-	170	9,815	8,919	20,325	731	187

年 月	電気亜鉛(つづき) Electrolytic zinc(continued)							
	重油計	A重油	B・C重油	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭コークス (ピッチコークスを含む)
	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal coke (including pitch coke)
	kl	kl	kl	t	t	kl	kl	t
平成 29 年	6,183	2,998	3,185	32	-	-	23,267	20,779
30	6,877	3,504	3,373	27	-	-	25,963	22,364
令和 1 年	6,348	3,349	2,999	28	-	-	23,048	18,644
2	7,834	3,908	3,926	24	-	-	25,195	22,185
3	6,065	3,043	3,022	20	-	-	28,163	23,821
令和 1 年度	7,714	4,149	3,565	28	-	-	24,056	20,667
2	6,547	2,981	3,566	23	-	-	26,709	22,292
3 年 1~3月	1,224	548	676	7	-	-	7,052	5,248
4~6	1,512	723	789	4	-	-	8,106	7,682
7~9	1,435	745	690	4	-	-	5,992	4,910
10~12	1,895	1,028	867	5	-	-	7,013	5,981
3 年 1月	381	178	203	3	-	-	2,132	1,344
2	367	172	195	2	-	-	2,173	1,447
3	476	198	278	2	-	-	2,748	2,457
4	511	255	256	2	-	-	2,723	2,543
5	435	171	264	1	-	-	2,819	2,705
6	567	298	269	1	-	-	2,564	2,434
7	356	290	66	1	-	-	1,129	448
8	593	278	315	1	-	-	2,449	2,249
9	486	177	309	2	-	-	2,414	2,213
10	420	144	276	1	-	-	2,249	1,968
11	648	369	279	2	-	-	2,269	1,860
12	827	515	312	2	-	-	2,495	2,153

亜鉛計		Zinc total							Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl		
274,706	11,073	12	68	99	7,901	3,972	3,929	C.Y. 2017	
279,328	12,531	12	72	96	8,823	4,605	4,218	C.Y. 2018	
288,678	13,568	15	78	92	8,204	5,205	2,999	C.Y. 2019	
272,526	14,168	12	70	93	11,022	7,096	3,926	C.Y. 2020	
282,147	13,635	12	68	95	10,188	7,166	3,022	C.Y. 2021	
283,528	14,553	15	80	91	9,620	6,055	3,565	F.Y. 2019	
278,577	13,556	12	63	94	10,590	7,024	3,566	F.Y. 2020	
73,418	3,351	3	15	25	2,624	1,948	676	Q1 2021	
74,485	3,491	3	17	22	2,455	1,666	789	Q2	
61,788	3,049	3	17	22	1,802	1,112	690	Q3	
72,456	3,744	3	19	26	3,307	2,440	867	Q4	
25,098	1,104	1	4	8	637	434	203	Jan. 2021	
22,798	1,056	1	5	8	840	645	195	Feb.	
25,521	1,191	1	6	9	1,146	868	278	Mar.	
24,578	1,176	1	4	7	1,040	784	256	Apr.	
25,455	1,141	1	5	7	636	372	264	May	
24,452	1,174	1	8	8	779	510	269	Jun.	
17,896	1,046	1	3	7	514	448	66	Jul.	
25,476	1,282	1	7	7	732	417	315	Aug.	
18,416	721	1	7	8	557	248	309	Sep.	
21,931	953	1	6	8	787	511	276	Oct.	
25,464	1,309	1	7	9	1,262	983	279	Nov.	
25,061	1,483	1	6	9	1,258	946	312	Dec.	

都市ガス (B) Town gas(B) 1000m ³		RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	電気亜鉛 Electrolytic zinc				Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl				
757	-	1,683,070	184,829	6,691	12	68	99		C.Y. 2017
730	-	1,693,054	188,944	7,400	12	72	96	C.Y. 2018
752	-	1,644,692	180,663	6,845	15	78	92	C.Y. 2019
2,136	-	1,599,786	180,319	8,398	12	70	93	C.Y. 2020
2,453	-	1,631,817	184,151	6,516	12	68	95	C.Y. 2021
881	-	1,639,792	182,674	8,266	15	80	91	F.Y. 2019
3,028	-	1,595,246	179,926	7,060	12	63	94	F.Y. 2020
1,197	-	421,031	46,880	1,331	3	15	25	Q1 2021
390	-	432,183	49,329	1,624	3	17	22	Q2
353	-	354,058	39,984	1,539	3	17	22	Q3
513	-	424,545	47,959	2,022	3	19	26	Q4
465	-	146,552	15,946	414	1	4	8	Jan. 2021
485	-	127,324	14,207	400	1	5	8	Feb.
247	-	147,155	16,727	517	1	6	9	Mar.
173	-	144,829	16,521	547	1	4	7	Apr.
120	-	144,623	16,544	470	1	5	7	May
98	-	142,731	16,263	607	1	8	8	Jun.
135	-	75,805	8,347	375	1	3	7	Jul.
117	-	141,048	16,003	635	1	7	7	Aug.
100	-	137,205	15,633	529	1	7	8	Sep.
93	-	134,850	15,066	458	1	6	8	Oct.
211	-	141,740	15,968	692	1	7	9	Nov.
210	-	147,955	16,925	872	1	6	9	Dec.

高炉ガス Blast furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸留亜鉛 Distilled zinc		Year, Quarter &Month
計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl							
6,550	4,324	676	757	-	1,664,854	89,878	4,382		C.Y. 2017
6,142	5,427	652	730	-	1,672,493	90,384	5,131	C.Y. 2018
8,850	5,179	672	752	-	1,620,775	108,016	6,724	C.Y. 2019
5,942	3,933	1,907	2,136	-	1,577,307	92,207	5,770	C.Y. 2020
8,016	4,930	2,191	2,453	-	1,606,821	97,996	7,119	C.Y. 2021
7,844	4,769	787	881	-	1,616,278	100,854	6,287	F.Y. 2019
6,823	4,252	2,703	3,028	-	1,571,184	98,651	6,496	F.Y. 2020
2,277	1,159	1,069	1,197	-	413,841	26,538	2,020	Q1 2021
2,170	1,227	349	390	-	425,683	25,156	1,867	Q2
1,620	1,265	315	353	-	348,868	21,804	1,510	Q3
1,948	1,278	458	513	-	418,429	24,497	1,722	Q4
688	401	415	465	-	144,047	9,153	690	Jan. 2021
710	359	433	485	-	125,070	8,591	656	Feb.
879	398	221	247	-	144,723	8,794	674	Mar.
660	406	154	173	-	142,446	8,057	630	Apr.
858	414	107	120	-	142,492	8,910	671	May
652	407	87	98	-	140,746	8,189	567	Jun.
826	405	121	135	-	73,569	9,548	671	Jul.
659	409	104	117	-	138,884	9,473	647	Aug.
135	451	90	100	-	136,415	2,783	192	Sep.
490	446	83	93	-	132,852	6,865	495	Oct.
823	407	188	211	-	139,830	9,496	617	Nov.
636	425	187	210	-	145,748	8,136	610	Dec.

年 月	蒸留亜鉛(つづき) Distilled zinc (continued)							
	重油計	A重油	B・C重油	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)	石炭コークス (ピッチコークスを含む)
	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)	Coal coke (including pitch coke)
	kl	kl	kl	t	t	kl	kl	t
平成 29 年	1,718	974	744	-	-	2,495	83,802	78,075
30	1,947	1,102	845	-	-	2,987	83,341	77,239
令和 1 年	1,856	1,856	-	-	-	4,668	99,067	91,576
2	3,188	3,188	-	-	-	2,454	84,346	77,282
3	4,123	4,123	-	-	-	2,864	88,551	81,237
令和 1 年度	1,906	1,906	-	-	-	4,199	92,380	85,681
2	4,043	4,043	-	-	-	2,328	89,917	81,562
3 年 1~3月	1,400	1,400	-	-	-	590	23,849	21,419
4~6	943	943	-	-	-	885	22,685	20,850
7~9	367	367	-	-	-	1,098	19,812	18,289
10~12	1,413	1,413	-	-	-	291	22,206	20,679
3 年 1月	257	257	-	-	-	416	8,230	7,431
2	472	472	-	-	-	174	7,726	6,915
3	671	671	-	-	-	-	7,893	7,073
4	529	529	-	-	-	94	7,206	6,662
5	201	201	-	-	-	451	8,041	7,316
6	212	212	-	-	-	340	7,438	6,872
7	157	157	-	-	-	494	8,669	7,864
8	139	139	-	-	-	488	8,625	7,816
9	71	71	-	-	-	116	2,517	2,609
10	367	367	-	-	-	121	6,184	5,971
11	614	614	-	-	-	-	8,702	7,942
12	432	432	-	-	-	170	7,320	6,766

年 月	アルミニウム(つづき) Aluminum (continued)							
	軽油	重油計	A重油	B・C重油	液化石油ガス	アスファルト	再生油 (石油由来)	非石油系燃料 (原油換算)
	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Liquefied petroleum gas	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels (Crude petroleum equivalent)
	kl	kl	kl	kl	t	t	kl	kl
平成 29 年	184	18,326	2,670	15,656	626	-	-	41,960
30	182	18,203	2,672	15,531	600	-	-	41,811
令和 1 年	156	17,708	2,542	15,166	454	-	-	37,195
2	146	16,021	2,456	13,565	479	-	-	31,460
3	184	18,979	4,191	14,788	447	-	-	33,886
令和 1 年度	150	17,035	2,480	14,555	449	-	-	35,695
2	156	16,893	2,999	13,894	474	-	-	32,351
3 年 1~3月	46	5,064	1,171	3,893	125	-	-	9,429
4~6	46	4,499	1,055	3,444	122	-	-	8,416
7~9	42	4,600	939	3,661	102	-	-	7,496
10~12	50	4,816	1,026	3,790	98	-	-	8,545
3 年 1月	14	1,628	382	1,246	45	-	-	2,764
2	14	1,634	380	1,254	38	-	-	3,178
3	18	1,802	409	1,393	42	-	-	3,487
4	18	1,348	321	1,027	34	-	-	3,201
5	10	1,434	383	1,051	47	-	-	2,546
6	18	1,717	351	1,366	41	-	-	2,669
7	14	1,665	304	1,361	37	-	-	2,628
8	14	1,180	307	873	34	-	-	2,140
9	14	1,755	328	1,427	31	-	-	2,729
10	18	1,778	329	1,449	31	-	-	2,964
11	14	1,665	359	1,306	34	-	-	2,957
12	18	1,373	338	1,035	33	-	-	2,625

年 月	アルミニウム二次地金 Secondary aluminum ingots							
	計 (原油換算)	石油系燃料 (原油換算)	灯油	軽油	重油計	A重油	B・C重油	炭化水素油
	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	156,717	103,546	2,215	967	32,535	29,685	2,850	33,542
30	157,506	104,017	2,141	943	32,214	29,328	2,886	35,110
令和 1 年	148,374	97,198	1,803	916	29,777	26,910	2,867	32,666
2	131,329	84,543	1,372	852	25,351	22,676	2,675	29,156
3	143,395	87,224	787	911	24,584	21,952	2,632	31,776
令和 1 年度	147,040	96,193	1,874	915	29,765	26,852	2,913	32,182
2	131,980	83,399	1,056	851	24,067	21,398	2,669	29,739
3 年 1~3月	37,402	23,011	228	234	6,511	5,792	719	8,483
4~6	35,893	21,731	222	230	6,133	5,446	687	7,769
7~9	34,892	21,044	193	224	5,739	5,145	594	7,482
10~12	35,208	21,439	144	223	6,201	5,569	632	8,042
3 年 1月	11,858	7,394	69	77	2,129	1,904	225	2,683
2	12,229	7,513	75	80	2,131	1,894	237	2,776
3	13,315	8,103	84	77	2,251	1,994	257	3,024
4	12,624	7,672	77	79	2,116	1,880	236	2,899
5	10,467	6,277	69	69	1,879	1,683	196	2,143
6	12,802	7,782	76	82	2,138	1,883	255	2,727
7	13,061	7,860	76	85	2,075	1,844	231	2,809
8	10,012	5,904	57	61	1,584	1,396	188	2,216
9	11,818	7,280	60	78	2,080	1,905	175	2,457
10	11,703	7,279	44	74	2,057	1,833	224	2,806
11	12,288	7,448	47	75	2,160	1,956	204	2,790
12	11,217	6,711	53	74	1,984	1,780	204	2,446

高炉ガス Blast furnace gas 1000m ³	液化天然ガス Liquefied natural gas t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	アルミニウム Aluminum				Year, Quarter &Month
				計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	
225,336	3,284	-	18,217	134,618	25,561	42	5,140	C.Y. 2017
222,889	3,561	-	20,561	127,604	25,497	44	5,249	C.Y. 2018
279,522	3,450	-	23,917	123,291	21,648	44	1,974	C.Y. 2019
240,565	3,146	-	22,479	121,347	19,654	40	1,771	C.Y. 2020
249,982	3,266	-	24,995	120,961	22,889	40	2,025	C.Y. 2021
257,068	3,287	-	23,515	124,680	20,782	42	1,840	F.Y. 2019
264,092	3,266	-	24,062	121,134	20,541	40	1,770	F.Y. 2020
71,540	848	-	7,190	27,838	6,031	8	461	Q1 2021
63,788	832	-	6,499	31,401	5,539	12	578	Q2
55,219	717	-	5,191	32,141	5,585	10	535	Q3
59,434	868	-	6,116	29,581	5,735	10	451	Q4
24,362	293	-	2,504	8,352	1,963	4	167	Jan. 2021
23,455	269	-	2,254	8,809	1,939	2	146	Feb.
23,724	286	-	2,432	10,677	2,129	2	148	Mar.
19,556	290	-	2,383	10,436	1,614	4	124	Apr.
23,620	269	-	2,131	9,932	1,714	4	127	May
20,612	273	-	1,986	11,032	2,211	4	327	Jun.
25,893	274	-	2,236	11,293	2,117	4	293	Jul.
25,638	285	-	2,164	9,058	1,436	2	133	Aug.
3,688	157	-	790	11,789	2,031	4	109	Sep.
13,961	299	-	1,998	11,535	2,083	4	134	Oct.
25,784	263	-	1,911	9,235	1,982	2	160	Nov.
19,689	307	-	2,207	8,812	1,670	4	157	Dec.

天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kWh	蒸気 Steam t	Year, Quarter &Month
4,726	3,462	26,968	29,909	-	-	716,786	6,063	C.Y. 2017
4,253	3,330	27,461	30,444	-	-	643,588	6,187	C.Y. 2018
4,364	2,930	23,904	26,511	-	-	688,247	6,166	C.Y. 2019
3,754	2,330	20,316	22,555	-	-	750,878	5,553	C.Y. 2020
1,419	2,916	23,928	26,559	-	-	686,107	5,240	C.Y. 2021
4,496	2,634	22,858	25,353	-	-	728,596	6,170	F.Y. 2019
3,710	2,476	20,954	23,268	-	-	729,955	4,924	F.Y. 2020
1,015	764	6,136	6,812	-	-	132,218	1,154	Q1 2021
404	762	5,853	6,492	-	-	186,640	1,217	Q2
-	622	5,614	6,231	-	-	203,900	1,336	Q3
-	768	6,325	7,024	-	-	163,349	1,533	Q4
225	248	1,838	2,040	-	-	38,692	379	Jan. 2021
386	247	2,040	2,265	-	-	39,409	382	Feb.
404	269	2,258	2,507	-	-	54,117	393	Mar.
404	292	1,991	2,207	-	-	60,149	385	Apr.
-	305	1,795	1,992	-	-	60,671	407	May
-	165	2,067	2,294	-	-	65,820	425	Jun.
-	177	2,019	2,239	-	-	70,090	403	Jul.
-	243	1,524	1,691	-	-	58,593	460	Aug.
-	202	2,071	2,301	-	-	75,217	473	Sep.
-	267	2,193	2,436	-	-	69,369	503	Oct.
-	238	2,221	2,467	-	-	45,810	505	Nov.
-	263	1,911	2,122	-	-	48,170	525	Dec.

液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
1,538	-	28,006	38,898	6,683	28,006	27,748	-	C.Y. 2017
1,562	-	27,195	39,300	6,565	28,485	28,284	-	C.Y. 2018
1,398	-	26,090	37,708	6,245	27,346	27,209	-	C.Y. 2019
981	-	22,865	34,346	6,102	24,273	24,234	-	C.Y. 2020
821	-	25,769	43,012	10,654	26,495	26,321	-	C.Y. 2021
1,385	-	25,588	37,498	6,258	27,101	26,995	-	F.Y. 2019
864	-	23,276	36,102	7,236	24,447	24,375	-	F.Y. 2020
226	-	6,648	10,978	2,736	6,722	6,696	-	Q1 2021
208	-	6,526	10,878	2,641	6,789	6,728	-	Q2
201	-	6,579	10,610	2,685	6,470	6,417	-	Q3
186	-	6,016	10,546	2,592	6,514	6,481	-	Q4
70	-	2,149	3,363	830	2,069	2,062	-	Jan. 2021
75	-	2,154	3,590	907	2,182	2,174	-	Feb.
81	-	2,345	4,024	999	2,471	2,460	-	Mar.
83	-	2,188	3,814	966	2,321	2,306	-	Apr.
56	-	1,880	3,184	782	1,977	1,957	-	May
69	-	2,458	3,879	893	2,491	2,464	-	Jun.
73	-	2,506	4,032	961	2,553	2,517	-	Jul.
56	-	1,753	3,114	765	1,930	1,914	-	Aug.
72	-	2,320	3,464	959	1,987	1,986	-	Sep.
60	-	2,024	3,347	909	1,944	1,942	-	Oct.
59	-	2,102	3,740	861	2,380	2,375	-	Nov.
67	-	1,890	3,460	822	2,190	2,164	-	Dec.

年 月	アルミニウム二次地金 (つづき)		その他の非鉄金属					Other Non-ferrous metals		→
	RPF	電力	計	石油系燃料	灯油	軽油	重油計	A重油		
	Refuse Paper & Plastic Fuel	Electricity	(原油換算) Total (Crude petroleum equivalent)	(原油換算) Oil based fuels (Crude petroleum equivalent)	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A		
t	1000kWh	kl	kl	kl	kl	kl	kl	kl		
平成 29 年	-	153,444	21,900	5,326	93	2	3,002	2,769		
30	-	152,529	22,297	5,049	84	2	2,615	2,558		
令和 1 年	-	144,789	23,555	5,793	85	1	2,700	2,643		
2	-	133,721	22,197	5,076	74	2	2,776	2,677		
3	-	141,454	22,557	5,075	65	4	2,595	2,562		
令和 1 年度	-	143,506	23,567	5,742	81	1	2,692	2,618		
2	-	134,146	22,160	4,993	70	1	2,641	2,539		
3 年 1~3月	-	36,694	6,086	1,299	17	-	643	623		
4~6	-	35,309	5,465	1,220	17	-	630	630		
7~9	-	34,802	4,903	1,222	13	3	580	580		
10~12	-	34,649	6,103	1,334	18	1	741	728		
3 年 1月	-	11,834	2,181	482	7	-	279	262		
2	-	12,095	1,945	381	4	-	214	211		
3	-	12,765	1,959	437	6	-	151	150		
4	-	12,232	1,883	408	6	-	189	189		
5	-	10,812	1,842	406	6	-	241	241		
6	-	12,265	1,740	406	5	-	201	201		
7	-	12,577	1,816	417	5	2	204	203		
8	-	10,678	1,842	412	4	-	177	177		
9	-	11,547	1,245	393	4	1	200	200		
10	-	11,575	1,969	415	7	-	216	215		
11	-	11,823	2,005	389	6	1	218	215		
12	-	11,251	2,129	530	5	-	308	298		

年 月	その他の非鉄金属 (つづき)						Year, Quarter & Month
	液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック	電力	蒸気	
	Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic	Electricity	Steam	
t	1000m ³	1000m ³	t	1000kWh	t		
平成 29 年	1,394	76	83	-	77,685	91,343	C.Y. 2017
30	1,414	65	71	-	79,637	97,547	C.Y. 2018
令和 1 年	1,290	78	85	-	78,538	109,092	C.Y. 2019
2	1,311	107	119	-	75,033	106,885	C.Y. 2020
3	1,568	119	132	-	77,957	104,646	C.Y. 2021
令和 1 年度	1,237	80	88	-	78,932	110,528	F.Y. 2019
2	1,415	139	155	-	74,146	106,240	F.Y. 2020
3 年 1~3月	417	56	63	-	19,431	29,471	Q1 2021
4~6	363	17	18	-	19,398	26,340	Q2
7~9	353	16	17	-	19,432	18,705	Q3
10~12	434	30	34	-	19,696	30,131	Q4
3 年 1月	142	22	25	-	6,917	10,493	Jan. 2021
2	135	23	26	-	6,157	9,525	Feb.
3	140	11	12	-	6,356	9,453	Mar.
4	136	6	7	-	6,402	9,454	Apr.
5	111	4	5	-	6,575	9,156	May
6	117	6	7	-	6,420	7,729	Jun.
7	90	5	6	-	7,255	8,103	Jul.
8	133	6	6	-	6,013	9,413	Aug.
9	130	5	5	-	6,165	1,189	Sep.
10	120	8	9	-	6,894	9,908	Oct.
11	139	11	12	-	6,461	10,495	Nov.
12	175	12	13	-	6,341	9,727	Dec.

Ｂ・Ｃ重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	高炉ガス Blast furnace gas 1000m ³	Year, Quarter &Month
234	-	38	2,056	3,034	207	434	5,802	C.Y. 2017
57	-	46	2,177	3,097	176	516	5,877	C.Y. 2018
57	-	44	2,812	2,916	184	485	5,840	C.Y. 2019
99	-	38	2,062	2,754	137	326	4,992	C.Y. 2020
34	-	56	2,239	2,997	147	148	4,670	C.Y. 2021
74	-	42	2,776	2,843	181	521	5,532	F.Y. 2019
102	-	37	2,122	2,927	132	290	5,102	F.Y. 2020
20	-	14	594	942	45	91	2,031	Q1 2021
-	-	11	535	620	41	17	504	Q2
0	-	13	584	581	23	19	365	Q3
13	-	18	526	854	38	21	1,771	Q4
16	-	4	182	330	14	30	776	Jan. 2021
3	-	5	149	334	15	57	679	Feb.
1	-	5	263	278	16	4	576	Mar.
-	-	3	200	227	13	5	152	Apr.
-	-	4	148	191	12	5	195	May
-	-	4	187	203	16	7	157	Jun.
0	-	4	193	164	13	7	175	Jul.
0	-	4	217	221	9	6	162	Aug.
-	-	5	174	196	1	6	28	Sep.
1	-	7	176	228	10	6	410	Oct.
3	-	7	148	289	13	8	710	Nov.
10	-	4	202	337	15	7	651	Dec.

⑨ 機械器具製品

Machinery products

直接投入エネルギー表

Table of direct input energy

年 月	機械工業 Machinery industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	3,513,578	267,705	58,975	40,225	34,204	44,709	43,987	722
30	3,579,157	248,196	57,199	34,725	29,911	40,158	39,590	568
令和 1 年	3,592,592	235,439	56,287	33,568	28,740	35,285	34,755	530
2	3,357,528	207,339	47,105	24,930	25,212	34,136	34,038	98
3	3,427,215	201,439	44,553	26,118	26,492	30,601	30,594	7
令和 1 年度	3,576,055	230,391	55,214	31,273	28,851	34,111	33,581	530
2	3,353,703	205,212	45,933	25,449	24,704	33,790	33,772	18
3 年 1~3月	894,607	62,176	12,174	8,376	6,811	12,020	12,020	-
4~6	809,523	45,712	11,192	5,613	6,834	5,809	5,802	7
7~9	876,827	43,562	9,766	5,968	6,455	5,565	5,565	-
10~12	846,259	49,989	11,421	6,161	6,392	7,207	7,207	-
3 年 1月	300,650	21,864	3,751	3,387	1,977	4,974	4,974	-
2	289,805	20,448	3,771	2,626	2,446	3,916	3,916	-
3	304,151	19,863	4,652	2,363	2,388	3,130	3,130	-
4	272,955	16,884	4,092	1,968	2,407	2,213	2,213	-
5	244,332	12,666	2,782	1,712	1,891	1,627	1,627	-
6	292,236	16,163	4,318	1,933	2,536	1,969	1,962	7
7	316,333	16,762	4,348	2,107	2,382	2,157	2,157	-
8	283,063	12,950	2,831	1,796	1,995	1,428	1,428	-
9	277,431	13,851	2,587	2,065	2,078	1,980	1,980	-
10	270,093	14,101	3,131	1,827	2,016	1,720	1,720	-
11	284,535	17,164	4,281	1,947	2,346	2,358	2,358	-
12	291,631	18,724	4,009	2,387	2,030	3,129	3,129	-

年 月	機械工業(つづき) Machinery industry (continued)						機械器具製品計(1~6)	
	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	計 (原油換算) Oil based fuels (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)
	t	1000m ³	1000m ³	t	t	1000kwh	kl	kl
平成 29 年	44,003	562,717	614,486	-	-	26,889,657	2,556,227	154,410
30	44,020	568,251	620,637	-	-	27,769,727	2,597,160	148,319
令和 1 年	45,820	595,542	651,170	-	-	27,720,652	2,577,575	139,658
2	41,713	511,040	558,052	-	-	26,653,278	2,443,250	125,502
3	39,550	518,392	566,154	-	-	27,424,184	2,511,467	120,044
令和 1 年度	45,692	592,869	648,517	-	-	27,635,960	2,562,390	137,805
2	40,244	505,836	552,095	-	-	26,728,762	2,454,602	123,260
3 年 1~3月	10,260	162,436	177,101	-	-	6,703,958	658,238	35,989
4~6	9,486	109,517	119,718	-	-	6,658,073	597,394	27,568
7~9	9,716	114,608	125,363	-	-	7,347,931	633,778	26,430
10~12	10,088	131,831	143,973	-	-	6,714,222	622,057	30,057
3 年 1月	3,525	55,520	60,433	-	-	2,231,863	220,267	12,230
2	3,384	54,543	59,473	-	-	2,141,138	212,217	11,867
3	3,351	52,373	57,195	-	-	2,330,957	225,755	11,893
4	3,165	40,030	43,729	-	-	2,182,342	202,398	10,225
5	2,997	29,921	32,729	-	-	2,062,931	179,915	7,541
6	3,324	39,566	43,260	-	-	2,412,800	215,082	9,803
7	3,303	41,774	45,665	-	-	2,636,969	231,789	10,408
8	3,174	37,023	40,507	-	-	2,384,877	202,588	7,692
9	3,239	35,811	39,191	-	-	2,326,085	199,400	8,330
10	2,972	35,612	38,947	-	-	2,252,604	196,925	8,727
11	3,652	46,104	50,371	-	-	2,222,855	210,021	10,337
12	3,464	50,115	54,654	-	-	2,238,763	215,111	10,994

年 月	機械器具製品計(1~6)(つづき) Machinery products total (continued)							
	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃プラスチック Waste plastic
	kl	t	t	1000m ³	t	1000m ³	1000m ³	t
平成 29 年	486,028	-	29,648	6,504	16,571	373,710	407,541	-
30	473,254	-	18,908	10,765	14,449	368,062	401,505	-
令和 1 年	467,571	-	12,865	11,125	16,402	364,430	397,501	-
2	414,514	-	9,979	10,410	14,463	323,648	352,920	-
3	425,472	-	9,429	9,523	13,528	335,408	366,122	-
令和 1 年度	460,203	-	12,274	10,988	16,251	358,715	391,331	-
2	417,337	-	9,523	10,526	14,008	326,948	356,500	-
3 年 1~3月	138,618	-	2,021	4,286	3,849	109,725	119,542	-
4~6	90,840	-	3,009	1,502	3,115	71,138	77,713	-
7~9	85,217	-	1,699	1,451	3,126	67,079	73,381	-
10~12	110,797	-	2,700	2,284	3,438	87,466	95,485	-
3 年 1月	47,288	-	541	1,459	1,236	37,696	40,991	-
2	46,391	-	688	1,568	1,298	36,563	39,848	-
3	44,939	-	792	1,259	1,315	35,466	38,704	-
4	34,510	-	1,656	826	1,105	26,574	29,002	-
5	24,135	-	555	323	843	19,096	20,878	-
6	32,194	-	798	353	1,167	25,468	27,833	-
7	32,909	-	708	525	1,196	25,936	28,353	-
8	26,039	-	374	436	960	20,586	22,526	-
9	26,269	-	617	490	970	20,557	22,502	-
10	28,098	-	435	508	958	22,265	24,350	-
11	39,446	-	1,579	687	1,230	30,850	33,681	-
12	43,254	-	686	1,089	1,250	34,351	37,454	-

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	Year, Quarter &Month
12	74,870	-	-	744,509	-	29,648	6,504	C.Y. 2017
10	71,890	-	-	747,731	-	18,952	10,765	C.Y. 2018
12	68,248	-	-	778,488	-	12,880	11,125	C.Y. 2019
12	62,862	-	-	670,815	-	9,980	10,410	C.Y. 2020
8	62,993	-	-	674,690	-	9,429	9,523	C.Y. 2021
12	67,613	-	-	774,877	-	12,274	10,988	F.Y. 2019
11	62,898	-	-	662,095	-	9,524	10,526	F.Y. 2020
2	19,300	-	-	208,807	-	2,021	4,286	Q1 2021
2	14,060	-	-	144,455	-	3,009	1,502	Q2
1	13,570	-	-	149,736	-	1,699	1,451	Q3
3	16,063	-	-	171,692	-	2,700	2,284	Q4
-	6,553	-	-	71,171	-	541	1,459	Jan. 2021
1	6,470	-	-	70,182	-	688	1,568	Feb.
1	6,277	-	-	67,454	-	792	1,259	Mar.
1	5,334	-	-	53,062	-	1,656	826	Apr.
-	3,983	-	-	39,766	-	555	323	May
1	4,743	-	-	51,627	-	798	353	Jun.
-	5,031	-	-	54,272	-	708	525	Jul.
-	4,184	-	-	48,264	-	374	436	Aug.
1	4,355	-	-	47,200	-	617	490	Sep.
1	4,608	-	-	46,447	-	435	508	Oct.
1	5,374	-	-	60,594	-	1,579	687	Nov.
1	6,081	-	-	64,650	-	686	1,089	Dec.

Machinery products total

ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	Year, Quarter &Month
32,914	20,435	7,594	25,195	25,133	62	55,420	-	C.Y. 2017
33,253	17,253	7,148	25,151	25,143	8	53,216	-	C.Y. 2018
32,320	15,376	6,757	22,512	22,512	-	50,931	-	C.Y. 2019
27,066	11,938	6,041	22,598	22,580	18	46,673	-	C.Y. 2020
25,636	13,410	6,137	19,211	19,204	7	46,283	-	C.Y. 2021
31,731	14,495	6,765	22,489	22,489	-	50,569	-	F.Y. 2019
26,505	12,762	5,927	21,345	21,327	18	46,190	-	F.Y. 2020
7,233	4,430	1,553	5,788	5,788	-	14,072	-	Q1 2021
6,664	2,809	1,550	4,399	4,392	7	10,212	-	Q2
5,386	3,108	1,484	4,434	4,434	-	9,990	-	Q3
6,353	3,063	1,550	4,590	4,590	-	12,009	-	Q4
2,261	1,934	449	1,802	1,802	-	4,786	-	Jan. 2021
2,227	1,335	559	2,074	2,074	-	4,674	-	Feb.
2,745	1,161	545	1,912	1,912	-	4,612	-	Mar.
2,449	1,026	571	1,516	1,516	-	3,907	-	Apr.
1,662	807	430	1,262	1,262	-	2,822	-	May
2,553	976	549	1,621	1,614	7	3,483	-	Jun.
2,516	1,110	536	1,761	1,761	-	3,779	-	Jul.
1,583	916	438	1,051	1,051	-	3,070	-	Aug.
1,287	1,082	510	1,622	1,622	-	3,141	-	Sep.
1,667	970	511	1,357	1,357	-	3,481	-	Oct.
2,398	978	538	1,643	1,643	-	3,989	-	Nov.
2,288	1,115	501	1,590	1,590	-	4,539	-	Dec.

土木建設機械(1)

Civil engineering machinery

RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	Year, Quarter &Month
-	20,594,736	48,405	6,112	-	174	2,539	25	C.Y. 2017
-	21,237,559	49,716	6,237	-	201	2,641	20	C.Y. 2018
-	21,181,223	45,742	6,030	-	287	2,550	14	C.Y. 2019
-	20,459,769	40,960	5,735	6	184	2,526	20	C.Y. 2020
-	21,133,984	45,447	6,690	-	148	3,006	23	C.Y. 2021
-	21,117,103	43,997	5,882	-	248	2,521	13	F.Y. 2019
-	20,575,555	41,126	5,902	6	150	2,581	20	F.Y. 2020
-	5,199,041	11,769	1,730	-	31	706	3	Q1 2021
-	5,149,107	10,477	1,671	-	33	783	2	Q2
-	5,612,909	11,653	1,510	-	22	748	8	Q3
-	5,172,927	11,547	1,779	-	62	769	10	Q4
-	1,728,054	3,694	501	-	8	207	2	Jan. 2021
-	1,655,065	4,064	621	-	8	253	1	Feb.
-	1,815,922	4,012	608	-	15	246	-	Mar.
-	1,694,876	3,473	608	-	21	275	1	Apr.
-	1,593,569	3,043	484	-	11	218	1	May
-	1,860,662	3,961	578	-	1	290	-	Jun.
-	2,026,081	4,024	525	-	11	259	5	Jul.
-	1,815,209	3,585	448	-	1	224	2	Aug.
-	1,771,619	4,044	537	-	10	265	1	Sep.
-	1,721,079	3,679	580	-	21	269	3	Oct.
-	1,722,560	3,710	604	-	24	267	3	Nov.
-	1,729,288	4,158	596	-	17	233	4	Dec.

年 月		土木建設機械(1)(つづき) Civil engineering machinery (continued)							
		A重油	液化石油ガス	アスファルト	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック
		Heavy fuel oil A	Liquefied petroleum gas	Asphalt		Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic
		kl	t	t	kl	t	1000m ³	1000m ³	t
平成	29 年	25	2,627	-	11,358	-	9,722	10,695	-
	30 年	20	2,631	-	11,327	-	9,697	10,665	-
令和	1 年	14	2,483	-	10,925	-	9,365	10,287	-
	2 年	20	2,342	-	9,847	-	8,438	9,272	-
	3 年	23	2,762	-	10,907	-	9,341	10,270	-
令和	1 年度	13	2,421	-	10,664	-	9,141	10,041	-
	2 年	20	2,460	-	9,943	-	8,517	9,363	-
	3 年								
	1~3月	3	776	-	3,384	-	2,895	3,186	-
	4~6	2	671	-	2,066	-	1,770	1,946	-
	7~9	8	577	-	2,748	-	2,358	2,588	-
	10~12	10	738	-	2,709	-	2,318	2,551	-
3 年	1月	2	223	-	1,115	-	953	1,050	-
	2 月	1	281	-	1,171	-	1,002	1,103	-
	3 月	-	272	-	1,098	-	940	1,034	-
	4 月	1	245	-	694	-	594	654	-
	5 月	1	200	-	575	-	493	542	-
	6 月	-	226	-	797	-	683	750	-
	7 月	5	197	-	953	-	817	897	-
	8 月	2	174	-	862	-	740	811	-
	9 月	1	206	-	934	-	801	879	-
	10 月	3	226	-	759	-	651	715	-
	11 月	3	244	-	807	-	691	760	-
	12 月	4	268	-	1,142	-	976	1,075	-

年 月		金属工作機械及び金属加工機械(2)(つづき) Metal working machinery and metal processing machinery (continued)							
		A重油	液化石油ガス	アスファルト	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	液化天然ガス	都市ガス (A)
		Heavy fuel oil A	Liquefied petroleum gas	Asphalt		Coal		Liquefied natural gas	Town gas(A)
		kl	t	t	kl	t	t	t	1000m ³
平成	29 年	14,748	827	-	6,554	-	202	96	5,413
	30 年	16,125	714	-	7,155	-	162	773	5,112
令和	1 年	14,498	639	-	8,364	-	123	1,683	5,062
	2 年	15,690	654	-	7,232	-	56	1,481	4,361
	3 年	12,374	467	-	7,492	-	4	1,304	4,847
令和	1 年度	15,293	639	-	8,166	-	147	1,650	4,916
	2 年	14,221	647	-	7,181	-	-	1,416	4,432
	3 年								
	1~3月	3,293	166	-	2,132	-	-	349	1,408
	4~6	3,114	91	-	1,673	-	-	325	1,043
	7~9	2,951	81	-	1,916	-	-	311	1,265
	10~12	3,016	129	-	1,770	-	4	319	1,131
3 年	1月	962	60	-	679	-	-	114	445
	2 月	1,252	56	-	739	-	-	114	496
	3 月	1,079	50	-	714	-	-	121	467
	4 月	1,075	39	-	578	-	-	115	357
	5 月	874	21	-	486	-	-	98	299
	6 月	1,165	31	-	609	-	-	112	387
	7 月	1,199	33	-	724	-	-	102	497
	8 月	605	20	-	625	-	-	96	419
	9 月	1,147	28	-	567	-	-	113	349
	10 月	922	60	-	582	-	4	86	393
	11 月	1,130	38	-	574	-	-	121	346
	12 月	964	31	-	615	-	-	112	392

年 月		電子部品(3)(つづき) Parts for electronic equipment (continued)							
		軽油	重油計	A重油	液化石油ガス	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	天然ガス	液化天然ガス
		Gas oil	Heavy fuel oil total	Heavy fuel oil A	Liquefied petroleum gas			Natural gas	Liquefied natural gas
		kl	kl	kl	t	t	kl	1000m ³	t
平成	29 年	31	617	617	870	-	10,945	-	614
	30 年	25	654	654	1,076	-	10,217	-	158
令和	1 年	19	500	500	960	-	9,510	-	298
	2 年	39	556	556	1,615	-	9,066	-	80
	3 年	24	558	558	1,567	-	11,988	-	141
令和	1 年度	19	504	504	1,408	-	9,333	-	195
	2 年	38	589	589	1,570	-	10,186	-	106
	3 年								
	1~3月	3	223	223	745	-	3,699	-	85
	4~6	8	83	83	181	-	3,046	-	15
	7~9	7	129	129	140	-	2,572	-	14
	10~12	6	123	123	501	-	2,671	-	27
3 年	1月	1	83	83	298	-	948	-	41
	2 月	1	76	76	223	-	1,416	-	44
	3 月	1	64	64	224	-	1,336	-	-
	4 月	1	43	43	99	-	1,095	-	-
	5 月	6	18	18	55	-	983	-	12
	6 月	1	22	22	27	-	968	-	3
	7 月	2	50	50	42	-	923	-	-
	8 月	1	45	45	53	-	913	-	14
	9 月	4	34	34	45	-	736	-	-
	10 月	3	23	23	75	-	713	-	20
	11 月	1	41	41	142	-	938	-	-
	12 月	2	59	59	284	-	1,020	-	7

		金属工作機械及び金属加工機械(2) Metal working machinery and metal processing machinery							Year, Quarter &Month
RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl		
-	332,554	73,670	18,191	24	2,276	26	14,748	C.Y. 2017	
-	345,635	75,937	19,310	24	2,145	26	16,125	C.Y. 2018	
-	309,463	75,011	17,553	26	2,120	34	14,498	C.Y. 2019	
-	272,815	67,752	18,348	22	1,671	34	15,690	C.Y. 2020	
-	299,384	67,407	15,004	22	2,019	39	12,374	C.Y. 2021	
-	295,098	74,550	18,321	25	2,085	33	15,293	F.Y. 2019	
-	271,767	65,746	16,782	22	1,617	36	14,221	F.Y. 2020	
-	71,546	17,177	4,031	6	522	9	3,293	Q1 2021	
-	72,455	16,129	3,677	6	439	10	3,114	Q2	
-	79,497	17,557	3,545	5	489	9	2,951	Q3	
-	75,886	16,545	3,750	5	569	11	3,016	Q4	
-	22,330	5,467	1,224	2	185	3	962	Jan. 2021	
-	24,423	5,891	1,495	2	169	3	1,252	Feb.	
-	24,793	5,819	1,312	2	168	3	1,079	Mar.	
-	23,339	5,123	1,258	2	129	4	1,075	Apr.	
-	21,319	5,066	1,038	2	135	3	874	May	
-	27,797	5,940	1,381	2	175	3	1,165	Jun.	
-	27,380	6,480	1,410	1	168	3	1,199	Jul.	
-	24,460	5,178	787	2	157	3	605	Aug.	
-	27,657	5,899	1,348	2	164	3	1,147	Sep.	
-	25,161	5,383	1,154	2	153	4	922	Oct.	
-	24,707	5,580	1,387	1	209	4	1,130	Nov.	
-	26,018	5,582	1,209	2	207	3	964	Dec.	

		電子部品(3) Parts for electronic equipment							Year, Quarter &Month
都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl		
5,899	-	-	525,948	255,651	2,265	-	495	C.Y. 2017	
5,594	-	-	531,833	261,272	2,615	-	546	C.Y. 2018	
5,552	-	-	527,759	253,630	2,290	-	534	C.Y. 2019	
4,783	-	-	453,345	269,885	3,231	9	531	C.Y. 2020	
5,316	-	-	482,798	287,635	3,139	14	545	C.Y. 2021	
5,392	-	-	516,674	257,010	2,900	-	553	F.Y. 2019	
4,860	-	-	449,157	274,350	3,199	10	540	F.Y. 2020	
1,543	-	-	118,393	69,150	1,304	1	118	Q1 2021	
1,143	-	-	115,869	69,182	424	3	102	Q2	
1,390	-	-	130,028	77,579	510	3	201	Q3	
1,240	-	-	118,508	71,724	901	7	124	Q4	
488	-	-	38,310	22,440	524	-	57	Jan. 2021	
544	-	-	39,315	22,373	407	-	43	Feb.	
512	-	-	40,768	24,337	373	1	18	Mar.	
391	-	-	35,335	22,621	189	1	17	Apr.	
327	-	-	38,074	21,847	131	1	37	May	
424	-	-	42,460	24,714	104	1	48	Jun.	
546	-	-	46,720	26,649	177	1	74	Jul.	
461	-	-	40,487	25,568	182	1	70	Aug.	
383	-	-	42,821	25,362	151	1	57	Sep.	
431	-	-	39,202	24,893	165	2	43	Oct.	
379	-	-	38,911	23,307	261	2	35	Nov.	
430	-	-	40,395	23,524	475	3	46	Dec.	

		電子管・半導体素子・集積回路(4)							Year, Quarter &Month
都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl		
8,628	9,490	-	-	2,606,241	599,570	6,536	14	C.Y. 2017	
8,550	9,411	-	-	2,670,729	644,484	6,073	17	C.Y. 2018	
7,777	8,558	-	-	2,599,678	679,866	5,953	25	C.Y. 2019	
7,642	8,430	-	-	2,769,077	706,207	6,411	22	C.Y. 2020	
10,026	11,100	-	-	2,929,461	737,146	6,071	36	C.Y. 2021	
7,741	8,529	-	-	2,631,354	684,987	5,918	25	F.Y. 2019	
8,557	9,450	-	-	2,805,380	714,559	6,482	24	F.Y. 2020	
3,045	3,370	-	-	689,578	175,901	1,634	8	Q1 2021	
2,568	2,848	-	-	706,404	182,734	1,428	7	Q2	
2,168	2,404	-	-	800,840	193,886	1,427	9	Q3	
2,245	2,479	-	-	732,639	184,624	1,582	12	Q4	
760	838	-	-	225,404	60,028	576	3	Jan. 2021	
1,150	1,274	-	-	220,920	55,163	471	2	Feb.	
1,135	1,258	-	-	243,254	60,710	586	3	Mar.	
930	1,031	-	-	229,371	59,115	440	2	Apr.	
820	910	-	-	222,880	61,773	519	2	May	
818	907	-	-	254,153	61,846	468	3	Jun.	
784	870	-	-	274,642	65,995	491	3	Jul.	
757	841	-	-	263,090	65,291	462	3	Aug.	
627	693	-	-	263,108	62,599	474	3	Sep.	
582	644	-	-	258,164	62,950	518	4	Oct.	
802	884	-	-	237,662	60,027	516	4	Nov.	
861	951	-	-	236,813	61,647	547	4	Dec.	

年 月		電子管・半導体素子・集積回路(4)(つづき) Electron tubes,semiconductors,integrated circuits (continued)							天然ガス Natural gas 1000m ³		
		灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	非石油系燃料 (原油換算) (Crude petroleum equivalent) kl			
		平成 29 年	42	4	1,796	1,796	3,554	-		15,454	86
		30 年	24	-	1,505	1,505	3,439	-		14,095	91
令和 1 年	35	-	1,415	1,415	3,404	-	14,102	75			
2 年	33	-	1,643	1,643	3,581	-	14,447	86			
3 年	12	1	1,688	1,688	3,345	-	16,440	25			
令和 1 年度	35	-	1,388	1,388	3,398	-	13,983	89			
2 年	23	-	1,701	1,701	3,610	-	14,638	74			
3 年 1~3月	12	-	519	519	845	-	3,784	18			
4~6	-	-	406	406	783	-	3,750	2			
7~9	-	1	346	346	827	-	4,335	3			
10~12	-	-	417	417	890	-	4,571	2			
3 年 1月	8	-	186	186	293	-	1,336	4			
2 月	4	-	166	166	231	-	1,190	6			
3 月	-	-	167	167	321	-	1,258	8			
4 月	-	-	131	131	237	-	1,171	-			
5 月	-	-	153	153	281	-	1,279	1			
6 月	-	-	122	122	265	-	1,300	1			
7 月	-	1	126	126	279	-	1,463	1			
8 月	-	-	109	109	270	-	1,472	1			
9 月	-	-	111	111	278	-	1,400	1			
10 月	-	-	113	113	310	-	1,350	1			
11 月	-	-	139	139	288	-	1,350	1			
12 月	-	-	165	165	292	-	1,871	-			

年 月		電子計算機・情報端末・電子応用装置(5)(つづき) Computers and information terminals, associated electronic equipment (continued)							再生油 (石油由来) Reproduction oil (Oil origin) t		
		ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t			
		平成 29 年	6	85	-	235	235	268		-	-
		30 年	9	85	4	193	193	246		-	-
令和 1 年	1	56	14	206	206	243	-	-			
2 年	1	46	5	151	151	230	-	-			
3 年	-	31	12	136	136	230	-	-			
令和 1 年度	2	44	10	171	171	228	-	-			
2 年	-	39	11	143	143	240	-	-			
3 年 1~3月	-	18	6	116	116	79	-	-			
4~6	-	3	-	3	3	37	-	-			
7~9	-	-	3	-	-	61	-	-			
10~12	-	10	3	17	17	53	-	-			
3 年 1月	-	-	6	34	34	30	-	-			
2 月	-	10	-	50	50	27	-	-			
3 月	-	8	-	32	32	22	-	-			
4 月	-	3	-	3	3	12	-	-			
5 月	-	-	-	-	-	9	-	-			
6 月	-	-	-	-	-	16	-	-			
7 月	-	-	-	-	-	21	-	-			
8 月	-	-	3	-	-	21	-	-			
9 月	-	-	-	-	-	19	-	-			
10 月	-	-	-	-	-	13	-	-			
11 月	-	4	-	1	1	14	-	-			
12 月	-	6	3	16	16	26	-	-			

年 月		自動車及び部品(二輪自動車を含む)(6)(つづき) Automobiles (including motorcycles) and parts (continued)							アスファルト Asphalt t		
		ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t			
		平成 29 年	32,870	17,363	4,994	7,774	7,712	62		47,274	-
		30 年	33,203	14,252	4,452	6,654	6,646	8		45,110	-
令和 1 年	32,268	12,344	4,140	5,879	5,879	-	43,202	-			
2 年	27,006	9,473	3,437	4,538	4,520	18	38,251	-			
3 年	25,564	10,655	3,055	4,432	4,425	7	37,912	-			
令和 1 年度	31,679	11,530	4,182	5,120	5,120	-	42,475	-			
2 年	26,443	10,393	3,261	4,671	4,653	18	37,663	-			
3 年 1~3月	7,218	3,729	829	1,634	1,634	-	11,461	-			
4~6	6,648	2,232	749	791	784	7	8,449	-			
7~9	5,369	2,396	716	1,000	1,000	-	8,304	-			
10~12	6,329	2,298	761	1,007	1,007	-	9,698	-			
3 年 1月	2,256	1,676	232	535	535	-	3,882	-			
2 月	2,223	1,101	302	529	529	-	3,856	-			
3 月	2,739	952	295	570	570	-	3,723	-			
4 月	2,444	856	291	263	263	-	3,275	-			
5 月	1,657	624	203	216	216	-	2,256	-			
6 月	2,547	752	255	312	305	7	2,918	-			
7 月	2,511	857	271	381	381	-	3,207	-			
8 月	1,577	688	207	290	290	-	2,532	-			
9 月	1,281	851	238	329	329	-	2,565	-			
10 月	1,659	753	235	296	296	-	2,797	-			
11 月	2,391	706	266	329	329	-	3,263	-			
12 月	2,279	839	260	382	382	-	3,638	-			

液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	電子計算機・情報端末・電子応用装置(5)		Year, Quarter &Month
						計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	
-	13,080	14,461	-	-	6,208,982	54,217	675	C.Y. 2017
-	11,931	13,176	-	-	6,711,402	52,383	610	C.Y. 2018
-	11,959	13,199	-	-	7,092,970	50,812	595	C.Y. 2019
-	12,252	13,513	-	-	7,367,492	48,473	504	C.Y. 2020
-	14,018	15,454	-	-	7,682,326	54,144	475	C.Y. 2021
-	11,845	13,072	-	-	7,149,681	50,643	525	F.Y. 2019
-	12,428	13,705	-	-	7,454,470	48,720	505	F.Y. 2020
-	3,216	3,544	-	-	1,832,697	12,613	242	Q1 2021
-	3,198	3,529	-	-	1,908,728	13,204	54	Q2
-	3,701	4,078	-	-	2,022,332	14,731	82	Q3
-	3,903	4,302	-	-	1,918,569	13,595	98	Q4
-	1,139	1,254	-	-	624,740	4,036	79	Jan. 2021
-	1,011	1,114	-	-	575,139	3,895	95	Feb.
-	1,066	1,176	-	-	632,818	4,682	68	Mar.
-	998	1,102	-	-	618,171	4,218	21	Apr.
-	1,091	1,204	-	-	644,722	4,286	12	May
-	1,109	1,223	-	-	645,835	4,700	21	Jun.
-	1,249	1,377	-	-	688,440	5,097	27	Jul.
-	1,257	1,385	-	-	681,097	4,873	30	Aug.
-	1,195	1,317	-	-	652,795	4,762	25	Sep.
-	1,151	1,270	-	-	656,633	4,590	17	Oct.
-	1,152	1,270	-	-	625,233	4,423	23	Nov.
-	1,600	1,762	-	-	636,703	4,582	58	Dec.

非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	自動車及び部品(二輪自動車を含む)(6)		Year, Quarter &Month
						計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	
2,219	1,898	2,089	-	-	551,726	1,524,714	120,631	C.Y. 2017
2,002	1,713	1,885	-	-	535,027	1,513,367	113,474	C.Y. 2018
2,138	1,828	2,014	-	-	516,849	1,472,513	107,237	C.Y. 2019
1,922	1,643	1,810	-	-	495,001	1,309,973	91,272	C.Y. 2020
1,908	1,631	1,797	-	-	556,416	1,319,689	88,665	C.Y. 2021
2,089	1,785	1,967	-	-	516,317	1,451,202	104,258	C.Y. 2019
1,919	1,640	1,807	-	-	497,682	1,310,102	90,389	C.Y. 2020
587	503	553	-	-	126,683	371,628	27,048	Q1 2021
386	329	363	-	-	137,222	305,668	20,315	Q2
442	377	416	-	-	152,732	318,371	19,355	Q3
494	422	465	-	-	139,779	324,022	21,947	Q4
198	170	187	-	-	40,408	124,602	9,325	Jan. 2021
198	170	186	-	-	38,726	120,832	8,778	Feb.
190	163	179	-	-	47,549	126,194	8,945	Mar.
139	119	131	-	-	43,621	107,847	7,707	Apr.
119	101	112	-	-	44,673	83,900	5,357	May
128	109	120	-	-	48,928	113,922	7,251	Jun.
143	122	134	-	-	52,965	123,543	7,777	Jul.
142	121	133	-	-	50,537	98,093	5,784	Aug.
157	134	148	-	-	49,230	96,735	5,794	Sep.
115	98	108	-	-	47,926	95,429	6,292	Oct.
203	173	191	-	-	45,114	112,974	7,547	Nov.
176	151	166	-	-	46,739	115,619	8,108	Dec.

再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	電力 Electricity 1000kwh	Year, Quarter &Month				
-	439,498	29,446	6,418	15,861	334,969	364,907	10,369,285	C.Y. 2017				
-	428,458	18,746	10,674	13,518	331,059	360,773	10,442,933	C.Y. 2018				
-	422,532	12,742	11,050	14,421	328,439	357,890	10,134,504	C.Y. 2019				
-	371,999	9,923	10,324	12,902	289,312	315,112	9,102,039	C.Y. 2020				
-	376,736	9,425	9,498	12,083	295,545	322,184	9,183,599	C.Y. 2021				
-	415,969	12,127	10,899	14,406	323,287	352,331	10,007,979	F.Y. 2019				
-	373,471	9,523	10,452	12,486	291,374	317,316	9,097,099	F.Y. 2020				
-	125,031	2,021	4,268	3,415	98,658	107,346	2,360,144	Q1 2021				
-	79,919	3,009	1,500	2,775	62,230	67,884	2,208,429	Q2				
-	73,204	1,699	1,448	2,801	57,210	62,505	2,427,480	Q3				
-	98,582	2,696	2,282	3,092	77,447	84,449	2,187,546	Q4				
-	43,011	541	1,455	1,081	34,229	37,174	776,862	Jan. 2021				
-	41,678	688	1,562	1,140	32,734	35,626	756,542	Feb.				
-	40,343	792	1,251	1,194	31,695	34,545	826,740	Mar.				
-	30,833	1,656	826	990	23,576	25,693	745,039	Apr.				
-	20,692	555	322	733	16,292	17,784	621,901	May				
-	28,393	798	352	1,052	22,362	24,408	841,489	Jun.				
-	28,703	708	524	1,094	22,467	24,529	935,934	Jul.				
-	22,026	374	435	850	17,292	18,895	755,538	Aug.				
-	22,475	617	489	857	17,451	19,081	736,008	Sep.				
-	24,580	431	507	852	19,390	21,182	693,993	Oct.				
-	35,573	1,579	686	1,109	27,686	30,196	750,933	Nov.				
-	38,430	686	1,089	1,131	30,371	33,071	742,620	Dec.				

⑨ 機械器具製品

Machinery products

一次投入燃料換算表

Conversion table for primary input fuel

年 月	機械工業 Machinery industry							
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C
	kl	kl	kl	kl	kl	kl	kl	kl
平成 29 年	4,244,103	298,655	58,975	41,492	34,637	65,916	65,194	722
30	4,260,258	275,817	57,200	35,730	30,317	56,475	55,907	568
令和 1 年	4,242,871	263,590	56,287	34,528	29,150	50,664	50,134	530
2	3,973,994	234,670	47,105	25,285	25,554	47,585	47,487	98
3	4,010,337	227,403	44,553	26,566	26,859	40,571	40,564	7
令和 1 年度	4,220,337	258,204	55,214	31,767	29,251	48,568	48,038	530
2	3,973,488	234,253	45,933	25,807	25,057	48,132	48,114	18
3 年 1~3月	1,073,678	73,058	12,174	8,587	6,913	17,207	17,207	-
4~6	941,993	50,390	11,192	5,636	6,921	7,135	7,128	7
7~9	1,009,992	47,905	9,766	6,059	6,548	7,550	7,550	-
10~12	984,674	56,049	11,421	6,284	6,477	8,680	8,680	-
3 年 1月	361,269	27,078	3,751	3,471	2,011	8,130	8,130	-
2	347,980	23,815	3,771	2,706	2,477	5,355	5,355	-
3	364,429	22,165	4,652	2,410	2,425	3,722	3,722	-
4	320,139	18,582	4,092	1,983	2,436	2,706	2,706	-
5	282,082	14,170	2,782	1,715	1,914	2,022	2,022	-
6	339,773	17,639	4,318	1,938	2,571	2,407	2,400	7
7	365,514	18,649	4,348	2,137	2,419	3,148	3,148	-
8	325,464	14,438	2,831	1,843	2,023	2,041	2,041	-
9	319,014	14,818	2,587	2,079	2,106	2,361	2,361	-
10	310,309	15,517	3,131	1,848	2,041	2,187	2,187	-
11	331,213	19,281	4,281	1,974	2,373	2,729	2,729	-
12	343,152	21,251	4,009	2,462	2,063	3,764	3,764	-

年 月	機械工業(つづき) Machinery industry (continued)							機械器具
	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)	都市ガス (B) Town gas(B)	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	電力 Electricity	計 (原油換算) Total (Crude petroleum equivalent)
	t	1000m ³	1000m ³	t	t	t	1000kwh	kl
平成 29 年	105,699	1,345,267	1,468,329	-	-	-	23,610,721	3,157,981
30	100,371	1,301,101	1,422,461	-	-	-	24,593,720	3,166,512
令和 1 年	102,459	1,300,042	1,422,652	-	-	-	24,548,554	3,124,082
2	97,287	1,176,939	1,286,354	-	-	-	23,542,991	2,956,924
3	92,789	1,145,834	1,252,360	-	-	-	24,448,874	2,994,655
令和 1 年度	102,600	1,291,502	1,413,656	-	-	-	24,477,195	3,104,628
2	96,454	1,174,663	1,283,250	-	-	-	23,557,600	2,968,999
3 年 1~3月	25,749	349,649	381,779	-	-	-	5,851,738	807,312
4~6	22,107	254,524	278,294	-	-	-	5,957,471	708,412
7~9	21,991	263,014	287,710	-	-	-	6,603,636	743,121
10~12	22,942	278,647	304,578	-	-	-	6,036,029	735,811
3 年 1月	8,528	118,542	129,335	-	-	-	1,936,240	270,838
2	8,402	114,304	124,811	-	-	-	1,879,472	260,681
3	8,819	116,803	127,632	-	-	-	2,036,026	275,793
4	7,619	90,955	99,433	-	-	-	1,940,574	241,894
5	6,524	71,268	77,935	-	-	-	1,860,251	211,736
6	7,964	92,301	100,925	-	-	-	2,156,646	254,782
7	7,899	96,052	104,986	-	-	-	2,363,194	272,740
8	6,945	83,757	91,620	-	-	-	2,153,882	237,566
9	7,147	83,206	91,104	-	-	-	2,086,560	232,815
10	6,887	79,818	87,321	-	-	-	2,038,492	229,538
11	8,124	95,540	104,453	-	-	-	1,993,297	248,598
12	7,931	103,289	112,804	-	-	-	2,004,240	257,675

年 月	機械器具製品計(1~6)(つづき) Machinery products total (continued)							
	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent)	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	天然ガス Natural gas	液化天然ガス Liquefied natural gas	都市ガス (A) Town gas(A)
	t	t	kl	t	t	1000m ³	t	1000m ³
平成 29 年	-	-	1,309,955	-	29,648	16,031	62,059	1,020,559
30	-	-	1,262,727	-	18,908	26,566	57,243	980,550
令和 1 年	-	-	1,233,525	-	12,865	27,012	59,773	955,441
2	-	-	1,143,400	31	9,979	33,975	57,377	876,589
3	-	-	1,112,901	-	9,429	36,673	53,836	852,965
令和 1 年度	-	-	1,221,942	-	12,274	26,401	59,657	946,458
2	-	-	1,149,093	31	9,523	37,200	57,944	878,554
3 年 1~3月	-	-	342,862	-	2,021	11,712	16,013	263,952
4~6	-	-	251,832	-	3,009	7,606	12,781	192,311
7~9	-	-	247,779	-	1,699	8,989	12,189	188,934
10~12	-	-	270,429	-	2,700	8,367	12,853	207,768
3 年 1月	-	-	115,763	-	541	3,863	5,093	89,755
2	-	-	111,767	-	688	3,980	5,213	85,870
3	-	-	115,332	-	792	3,868	5,707	88,327
4	-	-	91,119	-	1,656	3,117	4,598	68,927
5	-	-	70,402	-	555	2,236	3,448	53,983
6	-	-	90,311	-	798	2,252	4,735	69,401
7	-	-	93,217	-	708	3,492	4,676	70,883
8	-	-	77,487	-	374	2,970	3,781	59,067
9	-	-	77,075	-	617	2,527	3,732	58,984
10	-	-	75,583	-	435	2,152	3,731	58,218
11	-	-	93,500	-	1,579	2,646	4,491	71,594
12	-	-	101,345	-	686	3,569	4,631	77,955

炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	天然ガス Natural gas 1000m ³	Year, Quarter & Month
12	80,888	-	-	1,749,102	-	29,648	16,071	C.Y. 2017
10	79,345	-	-	1,696,653	-	18,952	26,664	C.Y. 2018
12	76,859	-	-	1,695,694	-	12,880	27,113	C.Y. 2019
12	72,822	-	-	1,549,278	31	9,980	34,065	C.Y. 2020
8	74,703	-	-	1,508,621	-	9,429	36,767	C.Y. 2021
12	77,020	-	-	1,685,185	-	12,274	26,495	F.Y. 2019
11	73,540	-	-	1,547,831	31	9,524	37,293	F.Y. 2020
2	23,448	-	-	456,272	-	2,021	11,754	Q1 2021
2	16,561	-	-	337,420	-	3,009	7,618	Q2
1	15,247	-	-	347,795	-	1,699	9,003	Q3
3	19,447	-	-	367,133	-	2,700	8,392	Q4
-	8,043	-	-	154,075	-	541	3,879	Jan. 2021
1	7,872	-	-	149,330	-	688	3,995	Feb.
1	7,533	-	-	152,867	-	792	3,880	Mar.
1	6,230	-	-	121,038	-	1,656	3,122	Apr.
-	4,818	-	-	94,865	-	555	2,240	May
1	5,513	-	-	121,516	-	798	2,256	Jun.
-	5,670	-	-	127,033	-	708	3,497	Jul.
-	4,802	-	-	110,665	-	374	2,975	Aug.
1	4,775	-	-	110,097	-	617	2,531	Sep.
1	5,305	-	-	105,164	-	435	2,156	Oct.
1	6,681	-	-	126,509	-	1,579	2,652	Nov.
1	7,461	-	-	135,460	-	686	3,584	Dec.

製品計(1~6) Machinery products total								Year, Quarter & Month
石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	重油計 Heavy fuel oil total kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	
182,885	32,914	21,359	7,982	44,549	44,487	62	61,261	C.Y. 2017
174,051	33,254	17,978	7,514	40,189	40,181	8	60,449	C.Y. 2018
166,315	32,320	16,108	7,124	36,780	36,780	-	59,456	C.Y. 2019
151,468	27,066	12,265	6,342	34,816	34,798	18	56,591	C.Y. 2020
145,049	25,636	13,816	6,458	28,389	28,382	7	57,933	C.Y. 2021
164,245	31,731	14,917	7,122	35,760	35,760	-	59,927	F.Y. 2019
150,750	26,505	13,084	6,237	34,311	34,293	18	56,766	F.Y. 2020
46,290	7,233	4,614	1,642	10,476	10,476	-	18,188	Q1 2021
32,158	6,664	2,831	1,626	5,656	5,649	7	12,708	Q2
30,621	5,386	3,192	1,566	6,300	6,300	-	11,656	Q3
35,980	6,353	3,179	1,625	5,957	5,957	-	15,382	Q4
17,085	2,261	2,000	479	4,638	4,638	-	6,264	Jan. 2021
15,082	2,227	1,409	586	3,386	3,386	-	6,065	Feb.
14,123	2,745	1,205	577	2,452	2,452	-	5,859	Mar.
11,872	2,449	1,040	596	1,963	1,963	-	4,803	Apr.
9,030	1,662	810	450	1,649	1,649	-	3,655	May
11,255	2,553	981	580	2,044	2,037	7	4,250	Jun.
12,235	2,516	1,138	569	2,702	2,702	-	4,415	Jul.
9,122	1,583	959	463	1,617	1,617	-	3,685	Aug.
9,264	1,287	1,095	534	1,980	1,980	-	3,557	Sep.
10,078	1,667	990	533	1,767	1,767	-	4,175	Oct.
12,436	2,398	1,004	562	2,005	2,005	-	5,293	Nov.
13,465	2,288	1,185	530	2,185	2,185	-	5,914	Dec.

				土木建設機械(1) Civil engineering machinery				Year, Quarter & Month
都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力 Electricity 1000kwh	計 (原油換算) Total (Crude petroleum equivalent) kl	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent) kl	ガソリン Gasoline kl	灯油 Kerosene kl	
1,112,843	-	-	17,900,271	49,192	6,828	-	174	C.Y. 2017
1,071,303	-	-	18,594,641	50,406	7,085	-	201	C.Y. 2018
1,044,296	-	-	18,535,595	46,766	6,647	-	287	C.Y. 2019
957,292	-	-	17,867,108	41,870	6,085	6	184	C.Y. 2020
931,689	-	-	18,669,579	46,628	6,895	-	148	C.Y. 2021
1,034,613	-	-	18,473,238	44,935	6,288	-	248	F.Y. 2019
959,078	-	-	17,943,426	42,309	6,366	6	150	F.Y. 2020
287,993	-	-	4,495,215	12,298	1,927	-	31	Q1 2021
210,128	-	-	4,562,535	10,654	1,673	-	33	Q2
206,593	-	-	4,995,752	11,922	1,513	-	22	Q3
226,975	-	-	4,616,077	11,754	1,782	-	62	Q4
97,849	-	-	1,483,381	3,942	567	-	8	Jan. 2021
93,701	-	-	1,438,698	4,223	699	-	8	Feb.
96,443	-	-	1,573,135	4,134	662	-	15	Mar.
75,287	-	-	1,493,205	3,535	609	-	21	Apr.
58,998	-	-	1,422,261	3,094	485	-	11	May
75,843	-	-	1,647,070	4,024	579	-	1	Jun.
77,440	-	-	1,798,351	4,114	526	-	11	Jul.
64,594	-	-	1,622,786	3,667	449	-	1	Aug.
64,559	-	-	1,574,615	4,141	538	-	10	Sep.
63,672	-	-	1,546,681	3,736	580	-	21	Oct.
78,214	-	-	1,533,603	3,781	605	-	24	Nov.
85,089	-	-	1,535,793	4,236	597	-	17	Dec.

年 月		土木建設機械(1)(つづき) Civil engineering machinery (continued)							都市ガス (A) Town gas(A) 1000m ³
		軽油	重油計	A重油	液化石油ガス	アスファルト	非石油系燃料 (原油換算)	液化天然ガス	
		Gas oil	Heavy fuel oil total	Heavy fuel oil A	Liquefied petroleum gas	Asphalt	Non-oil based fuels (Crude petroleum equivalent)	Liquefied natural gas	
		kl	kl	kl	t	t	kl	t	
平成	29年	2,539	667	667	2,678	-	12,765	-	10,933
	30年	2,641	748	748	2,717	-	12,426	-	10,641
令和	1年	2,550	488	488	2,588	-	12,448	-	10,660
	2年	2,526	267	267	2,419	-	11,260	-	9,638
	3年	3,006	97	97	2,863	-	12,913	-	11,047
令和	1年度	2,521	313	313	2,499	-	12,239	-	10,480
	2年	2,581	250	250	2,638	-	11,574	-	9,903
3年	1~3月	706	70	70	877	-	4,008	-	3,425
	4~6	783	5	5	671	-	2,445	-	2,091
	7~9	748	11	11	577	-	3,327	-	2,853
	10~12	769	13	13	738	-	3,133	-	2,678
3年	1月	207	29	29	253	-	1,441	-	1,231
	2月	253	32	32	317	-	1,330	-	1,137
	3月	246	9	9	307	-	1,236	-	1,057
	4月	275	2	2	245	-	820	-	701
	5月	218	2	2	200	-	684	-	585
	6月	290	1	1	226	-	941	-	805
	7月	259	6	6	197	-	1,146	-	982
	8月	224	3	3	174	-	1,032	-	886
	9月	265	2	2	206	-	1,149	-	985
	10月	269	4	4	226	-	885	-	758
	11月	267	4	4	244	-	951	-	813
	12月	233	5	5	268	-	1,297	-	1,107

年 月		金属工作機械及び金属加工機械(2)(つづき) Metal working machinery and metal processing machinery (continued)							石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)
		軽油	重油計	A重油	液化石油ガス	アスファルト	非石油系燃料 (原油換算)			
		Gas oil	Heavy fuel oil total	Heavy fuel oil A	Liquefied petroleum gas	Asphalt	Non-oil based fuels (Crude petroleum equivalent)			
		kl	kl	kl	t	t	kl	t		
平成	29年	26	17,048	17,048	827	-	18,486	-	202	
	30年	26	17,639	17,639	714	-	13,311	-	162	
令和	1年	34	16,018	16,018	639	-	19,597	-	123	
	2年	34	16,377	16,377	654	-	16,999	31	56	
	3年	39	12,905	12,905	467	-	17,456	-	4	
令和	1年度	33	16,719	16,719	639	-	19,315	-	147	
	2年	36	14,906	14,906	647	-	16,728	31	-	
3年	1~3月	9	3,492	3,492	166	-	5,351	-	-	
	4~6	10	3,230	3,230	91	-	3,851	-	-	
	7~9	9	3,167	3,167	81	-	3,909	-	-	
	10~12	11	3,017	3,017	129	-	4,345	-	4	
3年	1月	3	1,030	1,030	60	-	1,629	-	-	
	2月	3	1,314	1,314	56	-	1,883	-	-	
	3月	3	1,147	1,147	50	-	1,839	-	-	
	4月	4	1,090	1,090	39	-	1,430	-	-	
	5月	3	902	902	21	-	1,001	-	-	
	6月	3	1,238	1,238	31	-	1,420	-	-	
	7月	3	1,306	1,306	33	-	1,424	-	-	
	8月	3	714	714	20	-	1,274	-	-	
	9月	3	1,147	1,147	28	-	1,211	-	-	
	10月	4	922	922	60	-	1,238	-	4	
	11月	4	1,130	1,130	38	-	1,413	-	-	
	12月	3	964	964	31	-	1,694	-	-	

年 月		電子部品(3)(つづき) Parts for electronic equipment (continued)							再生油 (石油由来) Reproduction oil (Oil origin)
		ガソリン	灯油	軽油	重油計	A重油	液化石油ガス	アスファルト	
		Gasoline	Kerosene	Gas oil	Heavy fuel oil total	Heavy fuel oil A	Liquefied petroleum gas	Asphalt	
		kl	kl	kl	kl	kl	t	t	
平成	29年	-	495	64	825	825	4,137	-	-
	30年	-	546	62	894	894	5,185	-	-
令和	1年	-	534	53	828	828	5,170	-	-
	2年	9	582	71	1,010	1,010	6,513	-	-
	3年	14	617	59	791	791	7,932	-	-
令和	1年度	-	566	54	945	945	5,781	-	-
	2年	10	602	69	881	881	7,190	-	-
3年	1~3月	1	142	11	341	341	3,238	-	-
	4~6	3	110	17	121	121	1,470	-	-
	7~9	3	206	15	192	192	876	-	-
	10~12	7	159	16	137	137	2,348	-	-
3年	1月	-	66	3	135	135	1,177	-	-
	2月	-	48	4	126	126	1,089	-	-
	3月	1	28	4	80	80	972	-	-
	4月	1	23	3	59	59	653	-	-
	5月	1	38	10	28	28	461	-	-
	6月	1	49	4	34	34	356	-	-
	7月	1	76	4	68	68	279	-	-
	8月	1	73	5	86	86	304	-	-
	9月	1	57	6	38	38	293	-	-
	10月	2	56	6	24	24	380	-	-
	11月	2	43	5	42	42	913	-	-
	12月	3	60	5	71	71	1,055	-	-

金属工作機械及び金属加工機械(2)								Year, Quarter &Month
都市ガス (B)	廃プラスチック	RPF	電力	計 (原油換算)	石油系燃料 (原油換算)	ガソリン	灯油	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	Gasoline	Kerosene	
1000m ³	t	t	1000kwh	kl	kl	kl	kl	
12,020	-	-	318,187	84,916	20,827	24	2,605	C.Y. 2017
11,701	-	-	332,122	82,160	21,019	24	2,334	C.Y. 2018
11,721	-	-	297,466	84,482	19,394	26	2,441	C.Y. 2019
10,602	-	-	263,643	75,589	19,304	22	1,947	C.Y. 2020
12,159	-	-	288,316	75,144	15,852	22	2,353	C.Y. 2021
11,525	-	-	283,878	83,806	20,073	25	2,413	F.Y. 2019
10,898	-	-	261,966	73,364	17,719	22	1,877	F.Y. 2020
3,774	-	-	68,402	19,925	4,381	6	682	Q1 2021
2,303	-	-	70,253	17,701	3,807	6	453	Q2
3,133	-	-	76,136	19,060	3,837	5	568	Q3
2,950	-	-	73,525	18,458	3,827	5	650	Q4
1,357	-	-	20,788	6,287	1,346	2	242	Jan. 2021
1,253	-	-	23,583	6,888	1,622	2	238	Feb.
1,164	-	-	24,030	6,750	1,413	2	202	Mar.
773	-	-	22,637	5,750	1,281	2	137	Apr.
644	-	-	20,696	5,416	1,068	2	137	May
886	-	-	26,920	6,534	1,458	2	179	Jun.
1,079	-	-	26,260	7,011	1,542	1	194	Jul.
972	-	-	23,491	5,715	934	2	197	Aug.
1,082	-	-	26,384	6,334	1,361	2	177	Sep.
833	-	-	24,415	5,802	1,162	2	160	Oct.
895	-	-	23,926	6,185	1,404	1	227	Nov.
1,221	-	-	25,184	6,471	1,262	2	263	Dec.

電子部品(3)								Year, Quarter &Month
液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック	RPF	電力	計 (原油換算)	石油系燃料 (原油換算)	
Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	Total (Crude petroleum equivalent)	Oil based fuels (Crude petroleum equivalent)	
t	1000m ³	1000m ³	t	t	1000kwh	kl	kl	
829	14,784	16,160	-	-	490,241	326,571	6,795	C.Y. 2017
1,505	9,518	10,419	-	-	514,170	335,550	8,288	C.Y. 2018
2,466	13,772	15,089	-	-	489,027	324,495	8,181	C.Y. 2019
2,225	11,858	12,991	-	-	422,317	348,301	10,199	C.Y. 2020
2,023	12,542	13,742	-	-	449,728	358,309	11,715	C.Y. 2021
2,404	13,590	14,889	-	-	477,492	330,600	9,133	F.Y. 2019
2,208	11,680	12,797	-	-	418,358	354,900	10,914	F.Y. 2020
536	3,949	4,326	-	-	109,564	92,433	4,680	Q1 2021
490	2,716	2,975	-	-	107,957	86,607	2,148	Q2
508	2,739	3,004	-	-	121,625	91,346	1,539	Q3
489	3,138	3,437	-	-	110,582	87,923	3,349	Q4
187	1,173	1,285	-	-	35,607	30,256	1,725	Jan. 2021
174	1,407	1,541	-	-	36,360	29,832	1,586	Feb.
175	1,369	1,499	-	-	37,597	32,346	1,370	Mar.
155	1,042	1,141	-	-	32,667	28,970	930	Apr.
156	672	736	-	-	35,983	27,205	671	May
180	1,002	1,098	-	-	39,307	30,433	546	Jun.
172	1,014	1,113	-	-	43,489	31,487	506	Jul.
158	902	989	-	-	37,694	30,054	555	Aug.
179	823	902	-	-	40,442	29,805	478	Sep.
141	890	975	-	-	36,580	29,319	577	Oct.
177	1,000	1,095	-	-	36,214	28,777	1,271	Nov.
171	1,248	1,367	-	-	37,788	29,826	1,501	Dec.

非石油系燃料 (原油換算)	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック	RPF	電力	Year, Quarter &Month
Non-oil based fuels (Crude petroleum equivalent)	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	
kl	1000m ³	t	1000m ³	1000m ³	t	t	1000kwh	
101,863	-	2,802	84,444	92,192	-	-	2,342,565	C.Y. 2017
105,778	-	2,365	88,059	96,460	-	-	2,380,948	C.Y. 2018
101,028	-	2,284	84,088	92,094	-	-	2,314,321	C.Y. 2019
107,008	8,045	2,218	82,229	89,298	-	-	2,484,259	C.Y. 2020
98,375	11,861	2,236	72,011	77,390	-	-	2,668,350	C.Y. 2021
103,606	-	2,320	86,207	94,474	-	-	2,342,007	F.Y. 2019
109,783	10,756	2,192	82,449	89,140	-	-	2,517,692	F.Y. 2020
30,679	2,711	596	23,408	25,291	-	-	613,549	Q1 2021
25,466	2,675	512	19,083	20,531	-	-	634,184	Q2
20,566	3,810	563	13,717	14,676	-	-	744,349	Q3
21,665	2,665	565	15,803	16,892	-	-	676,267	Q4
9,782	886	180	7,464	8,055	-	-	201,549	Jan. 2021
9,935	879	220	7,537	8,153	-	-	196,843	Feb.
10,961	946	196	8,407	9,082	-	-	215,157	Mar.
8,986	918	179	6,750	7,274	-	-	204,830	Apr.
7,851	852	162	5,861	6,296	-	-	200,834	May
8,629	905	171	6,471	6,962	-	-	228,519	Jun.
7,278	1,350	183	4,873	5,213	-	-	254,811	Jul.
6,806	1,363	195	4,426	4,740	-	-	243,955	Aug.
6,482	1,097	185	4,418	4,723	-	-	245,584	Sep.
6,366	851	196	4,546	4,854	-	-	240,542	Oct.
7,054	906	174	5,114	5,474	-	-	219,860	Nov.
8,245	908	195	6,143	6,565	-	-	215,865	Dec.

年 月	電子管・半導体素子・集積回路(4) Electron tubes,semiconductors,integrated circuits →								
	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total	A重油 Heavy fuel oil A	液化石油ガス Liquefied petroleum gas	
	kl	kl	kl	kl	kl	kl	kl	t	
平成 29 年	739,315	11,902	14	141	4	5,965	5,965	4,361	
30	780,407	11,012	17	123	-	4,490	4,490	4,833	
令和 1 年	815,697	11,516	25	134	-	3,579	3,579	5,904	
2	838,872	13,876	22	33	-	4,489	4,489	7,077	
3	869,763	14,226	36	12	1	5,770	5,770	6,475	
令和 1 年度	820,205	12,252	25	109	-	3,300	3,300	6,698	
2	846,933	14,339	24	23	-	5,273	5,273	6,865	
3 年 1~3月	209,472	4,171	8	12	-	1,795	1,795	1,814	
4~6	215,161	3,452	7	-	-	1,338	1,338	1,623	
7~9	226,966	2,837	9	-	1	1,162	1,162	1,282	
10~12	218,164	3,766	12	-	-	1,474	1,474	1,756	
3 年 1月	72,130	1,767	3	8	-	885	885	670	
2	65,763	1,322	2	4	-	620	620	536	
3	71,579	1,082	3	-	-	291	291	608	
4	69,747	1,219	2	-	-	476	476	571	
5	72,634	1,165	2	-	-	467	467	536	
6	72,780	1,068	3	-	-	396	396	516	
7	77,298	1,073	3	-	1	409	409	509	
8	76,613	1,022	3	-	-	377	377	495	
9	73,055	741	3	-	-	377	377	278	
10	74,005	1,110	4	-	-	416	416	532	
11	70,889	1,223	4	-	-	452	452	591	
12	73,270	1,433	4	-	-	607	607	633	

年 月	電子管・半導体素子・集積回路(4)(つづき) 電子計算機・情報端末・電子応用装置(5) Computers and information terminals, associated electronic equipment →							
	RPF Refuse Paper & Plastic Fuel	電力 Electricity	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total
	t	1000kwh	kl	kl	kl	kl	kl	kl
平成 29 年	-	5,467,910	54,213	675	6	85	-	235
30	-	5,988,057	52,346	610	9	85	4	193
令和 1 年	-	6,370,457	50,803	595	1	56	14	206
2	-	6,643,192	48,685	504	1	46	5	151
3	-	6,934,109	54,316	475	-	31	12	136
令和 1 年度	-	6,431,174	50,730	525	2	44	10	171
2	-	6,725,735	48,917	505	-	39	11	143
3 年 1~3月	-	1,649,366	12,657	242	-	18	6	116
4~6	-	1,725,469	13,249	54	-	3	-	3
7~9	-	1,829,583	14,773	82	-	-	3	-
10~12	-	1,729,692	13,637	98	-	10	3	17
3 年 1月	-	560,017	4,050	79	-	-	6	34
2	-	518,355	3,912	95	-	10	-	50
3	-	570,994	4,695	68	-	8	-	32
4	-	559,347	4,235	21	-	3	-	3
5	-	583,169	4,302	12	-	-	-	-
6	-	582,954	4,712	21	-	-	-	-
7	-	623,186	5,109	27	-	-	-	-
8	-	615,670	4,884	30	-	-	3	-
9	-	590,726	4,779	25	-	-	-	-
10	-	592,705	4,602	17	-	-	-	-
11	-	563,817	4,436	23	-	4	-	1
12	-	573,170	4,599	58	-	6	3	16

年 月	電子計算機・情報端末・電子応用装置(5)(つづき) 自動車及び部品(二輪自動車を含む)(6) Automobiles (including motorcycles) and parts →							
	RPF Refuse Paper & Plastic Fuel	電力 Electricity	計 (原油換算) Total (Crude petroleum equivalent)	石油系燃料 (原油換算) Oil based fuels (Crude petroleum equivalent)	ガソリン Gasoline	灯油 Kerosene	軽油 Gas oil	重油計 Heavy fuel oil total
	t	1000kwh	kl	kl	kl	kl	kl	kl
平成 29 年	-	551,211	1,903,774	135,858	32,870	17,859	5,349	19,808
30	-	534,187	1,865,643	126,036	33,204	14,689	4,781	16,224
令和 1 年	-	515,084	1,801,839	119,983	32,268	12,655	4,473	15,660
2	-	493,336	1,603,607	101,500	27,006	9,473	3,706	12,523
3	-	554,745	1,590,495	95,886	25,564	10,655	3,341	8,690
令和 1 年度	-	514,635	1,774,351	115,974	31,679	11,536	4,504	14,312
2	-	495,999	1,602,575	100,906	26,443	10,393	3,540	12,858
3 年 1~3月	-	126,242	460,527	30,888	7,218	3,729	910	4,663
4~6	-	136,837	365,040	21,025	6,648	2,232	816	960
7~9	-	152,318	379,054	20,814	5,369	2,396	790	1,768
10~12	-	139,348	385,875	23,158	6,329	2,298	826	1,300
3 年 1月	-	40,236	154,174	11,603	2,256	1,676	260	2,526
2	-	38,597	150,064	9,759	2,223	1,101	326	1,244
3	-	47,409	156,289	9,527	2,739	952	324	893
4	-	43,476	129,656	7,812	2,444	856	314	334
5	-	44,549	99,085	5,630	1,657	624	219	251
6	-	48,812	136,300	7,583	2,547	752	283	375
7	-	52,812	147,721	8,561	2,511	857	302	913
8	-	50,410	116,632	6,132	1,577	688	228	438
9	-	49,096	114,700	6,121	1,281	851	260	417
10	-	47,798	112,074	6,633	1,659	753	254	401
11	-	44,959	134,528	7,911	2,391	706	286	376
12	-	46,591	139,273	8,614	2,279	839	286	522

アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	天然ガス Natural gas 1000m ³	液化天然ガス Liquefied natural gas t	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
-	-	218,771	86	-	188,248	205,905	-	C.Y. 2017
-	-	212,367	91	-	181,759	199,869	-	C.Y. 2018
-	-	211,581	75	-	181,117	199,146	-	C.Y. 2019
-	-	207,025	86	-	177,357	194,845	-	C.Y. 2020
-	-	210,504	25	-	180,413	198,186	-	C.Y. 2021
-	-	209,704	89	-	179,531	197,364	-	C.Y. 2019
-	-	206,944	74	-	177,314	194,782	-	C.Y. 2020
-	-	51,871	18	-	44,448	48,824	-	Q1 2021
-	-	51,200	2	-	43,893	48,208	-	Q2
-	-	53,936	3	-	46,227	50,783	-	Q3
-	-	53,497	2	-	45,844	50,371	-	Q4
-	-	18,268	4	-	15,653	17,197	-	Jan. 2021
-	-	16,221	6	-	13,899	15,268	-	Feb.
-	-	17,382	8	-	14,897	16,358	-	Mar.
-	-	16,496	-	-	14,144	15,533	-	Apr.
-	-	17,221	1	-	14,765	16,214	-	May
-	-	17,483	1	-	14,984	16,461	-	Jun.
-	-	18,253	1	-	15,645	17,186	-	Jul.
-	-	18,319	1	-	15,702	17,249	-	Aug.
-	-	17,363	1	-	14,879	16,348	-	Sep.
-	-	17,760	1	-	15,217	16,722	-	Oct.
-	-	17,219	1	-	14,757	16,212	-	Nov.
-	-	18,519	-	-	15,870	17,438	-	Dec.

A重油 Heavy fuel oil A kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	都市ガス (A) Town gas(A) 1000m ³	都市ガス (B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	Year, Quarter &Month
235	268	-	-	2,262	1,935	2,130	-	C.Y. 2017
193	246	-	-	2,044	1,748	1,924	-	C.Y. 2018
206	243	-	-	2,294	1,961	2,160	-	C.Y. 2019
151	230	-	-	2,290	1,958	2,156	-	C.Y. 2020
136	230	-	-	2,237	1,913	2,106	-	C.Y. 2021
171	228	-	-	2,332	1,994	2,195	-	F.Y. 2019
143	240	-	-	2,273	1,944	2,140	-	F.Y. 2020
116	79	-	-	672	576	633	-	Q1 2021
3	37	-	-	466	398	439	-	Q2
-	61	-	-	522	446	491	-	Q3
17	53	-	-	576	493	543	-	Q4
34	30	-	-	228	195	215	-	Jan. 2021
50	27	-	-	227	195	214	-	Feb.
32	22	-	-	216	185	204	-	Mar.
3	12	-	-	170	145	160	-	Apr.
-	9	-	-	146	125	137	-	May
-	16	-	-	151	129	142	-	Jun.
-	21	-	-	169	145	159	-	Jul.
-	21	-	-	165	141	155	-	Aug.
-	19	-	-	188	160	177	-	Sep.
-	13	-	-	139	119	131	-	Oct.
1	14	-	-	231	197	217	-	Nov.
16	26	-	-	206	177	194	-	Dec.

A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) t	非石油系燃料 (原油換算) Non-oil based fuels (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	Year, Quarter &Month
19,746	62	48,991	-	-	955,808	-	29,446	C.Y. 2017
16,216	8	46,754	-	-	916,801	-	18,746	C.Y. 2018
15,660	-	44,912	-	-	886,577	-	12,742	C.Y. 2019
12,505	18	39,698	-	-	798,817	-	9,923	C.Y. 2020
8,683	7	39,967	-	-	771,416	-	9,425	C.Y. 2021
14,312	-	44,082	-	-	874,745	-	12,127	C.Y. 2019
12,840	18	39,186	-	-	801,792	-	9,523	C.Y. 2020
4,663	-	12,014	-	-	250,281	-	2,021	Q1 2021
953	7	8,816	-	-	168,403	-	3,009	Q2
1,768	-	8,779	-	-	165,519	-	1,699	Q3
1,300	-	10,358	-	-	187,213	-	2,696	Q4
2,526	-	4,075	-	-	84,414	-	541	Jan. 2021
1,244	-	4,040	-	-	82,170	-	688	Feb.
893	-	3,900	-	-	83,697	-	792	Mar.
334	-	3,283	-	-	63,217	-	1,656	Apr.
251	-	2,428	-	-	43,499	-	555	May
368	7	3,105	-	-	61,688	-	798	Jun.
913	-	3,376	-	-	64,947	-	708	Jul.
438	-	2,671	-	-	49,890	-	374	Aug.
417	-	2,733	-	-	50,683	-	617	Sep.
401	-	2,964	-	-	49,195	-	431	Oct.
376	-	3,493	-	-	66,633	-	1,579	Nov.
522	-	3,901	-	-	71,384	-	686	Dec.

年 月	自動車及び部品(二輪自動車を含む)(6)(つづき) Automobiles (including motorcycles) and parts (continued)							Year, Quarter &Month
	天然ガス	液化天然ガス	都市ガス (A)	都市ガス (B)	廃プラスチック	RPF	電力	
	Natural gas	Liquefied natural gas	Town gas(A)	Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel	Electricity	
	1000m ³	t	1000m ³	1000m ³	t	t	1000kwh	
平成 29 年	15,945	58,427	720,215	784,436	-	-	8,730,157	C.Y. 2017
30	26,475	53,373	688,825	750,930	-	-	8,845,157	C.Y. 2018
令和 1 年	26,937	55,023	663,843	724,085	-	-	8,549,240	C.Y. 2019
2	25,844	52,933	593,550	647,399	-	-	7,560,362	C.Y. 2020
3	24,787	49,577	575,039	628,107	-	-	7,774,331	C.Y. 2021
令和 1 年度	26,312	54,933	654,656	714,166	-	-	8,424,051	F.Y. 2019
2	26,370	53,543	595,264	649,321	-	-	7,523,677	F.Y. 2020
3 年 1~3月	8,983	14,881	188,145	205,147	-	-	1,928,092	Q1 2021
4~6	4,929	11,779	124,130	135,673	-	-	1,887,836	Q2
7~9	5,176	11,118	122,953	134,506	-	-	2,071,742	Q3
10~12	5,700	11,798	139,812	152,782	-	-	1,886,662	Q4
3 年 1月	2,973	4,726	64,039	69,739	-	-	625,184	Jan. 2021
2	3,095	4,819	61,695	67,272	-	-	624,960	Feb.
3	2,914	5,336	62,411	68,135	-	-	677,948	Mar.
4	2,199	4,264	46,145	50,408	-	-	630,248	Apr.
5	1,383	3,130	31,975	34,970	-	-	537,029	May
6	1,346	4,385	46,010	50,295	-	-	720,558	Jun.
7	2,141	4,321	48,224	52,690	-	-	797,792	Jul.
8	1,606	3,428	37,010	40,489	-	-	651,566	Aug.
9	1,429	3,368	37,719	41,327	-	-	622,383	Sep.
10	1,300	3,394	36,688	40,157	-	-	604,640	Oct.
11	1,739	4,139	49,714	54,321	-	-	644,826	Nov.
12	2,661	4,265	53,410	58,304	-	-	637,196	Dec.

(3) 指定生産品目別燃料在庫量の推移

Trends of fuel inventory by specified products

			① 化学工業製品 Chemical products							
			石油化学 Petro-chemicals							
年 月	NGL・コンデンサート		ガソリン	ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	
	Natural gas liquids Condensate									Gasoline	Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C
			kl	kl	kl	kl	kl	kl	kl	
平成	29	年	2,094	-	563,710	4,473	5,636	21,269	584	19,994
	30		-	-	769,075	5,336	6,888	21,809	1,029	21,789
令和	1	年	-	-	640,244	10,869	6,173	8,913	833	22,799
	2		-	-	550,275	4,881	4,555	8,485	1,425	14,575
	3		181	-	514,564	3,436	5,281	8,555	613	23,629
令和	1	年度	-	-	648,351	14,040	227	-	1,001	14,890
	2		-	-	500,914	7,760	3,652	9,272	904	21,319
	3	年	-	-	500,914	7,760	3,652	9,272	904	21,319
		1~3月	-	-	568,451	13,169	5,518	9,479	851	23,732
		4~6	-	-	600,127	5,792	5,470	5,679	1,097	15,649
		7~9	31,169	-	514,564	3,436	5,281	8,555	613	23,629
		10~12	181	-	-	-	-	-	-	-
	3	年	-	-	625,037	9,202	4,963	8,177	417	22,964
		1月	-	-	679,870	12,011	4,652	7,180	729	16,350
		2	-	-	500,914	7,760	3,652	9,272	904	21,319
		3	-	-	591,566	4,254	3,523	8,018	1,281	14,944
		4	-	-	574,678	11,146	5,408	10,587	899	21,739
		5	-	-	568,451	13,169	5,518	9,479	851	23,732
		6	-	-	634,950	6,239	5,452	9,934	617	21,065
		7	-	-	721,887	8,262	5,397	6,125	1,120	22,841
		8	-	-	600,127	5,792	5,470	5,679	1,097	15,649
		9	31,169	-	552,048	7,379	5,228	-	1,246	13,656
		10	26,080	-	648,105	4,238	5,237	10,020	1,331	23,460
		11	13,643	-	514,564	3,436	5,281	8,555	613	23,629
		12	181	-	-	-	-	-	-	-

			アンモニア及びアンモニア誘導品(つづき) Ammonia and ammonia-derived products (continued)					ソーダ工業製品 Soda products		
年 月	A重油		B・C重油	液化石油ガス	オイルコークス	石炭	NGL・コンデンサート		灯油	A重油
	Heavy fuel oil A						Natural gas liquids Condensate	Kerosene			Heavy fuel oil A
			kl	kl	t	t	t	kl	kl	kl
平成	29	年	75	2,164	538	63,385	23,017	89	4	156
	30		162	2,041	367	114,173	10,782	90	2	1,545
令和	1	年	19	1,494	537	92,664	28,520	102	4	1,050
	2		24	1,983	442	127,448	40,605	101	7	1,641
	3		106	1,430	227	75,060	15,428	-	5	756
令和	1	年度	125	1,255	502	67,168	21,034	85	7	1,503
	2		11	1,625	6	103,489	20,260	-	3	850
	3	年	-	-	-	-	-	-	-	-
		1~3月	11	1,625	6	103,489	20,260	-	3	850
		4~6	125	2,042	454	43,562	20,217	-	5	1,049
		7~9	31	1,304	427	88,820	11,896	-	7	1,851
		10~12	106	1,430	227	75,060	15,428	-	5	756
	3	年	-	-	-	-	-	-	-	-
		1月	113	1,385	382	94,674	31,612	28	7	160
		2	125	1,549	268	145,877	29,110	-	7	888
		3	11	1,625	6	103,489	20,260	-	3	850
		4	83	1,621	475	76,457	16,310	-	4	1,288
		5	114	1,496	471	82,666	28,438	-	4	1,541
		6	125	2,042	454	43,562	20,217	-	5	1,049
		7	160	2,568	441	118,802	28,119	-	3	1,069
		8	123	1,630	426	77,157	20,782	-	4	1,334
		9	31	1,304	427	88,820	11,896	-	7	1,851
		10	-	952	414	88,264	20,751	-	7	1,401
		11	122	591	409	97,286	20,931	-	5	848
		12	106	1,430	227	75,060	15,428	-	5	756

			Ceramics, clay and stone products							
			セメント(つづき) Cement(continued)							
年 月	軽油		A重油	B・C重油	炭化水素油	液化石油ガス	オイルコークス	石炭	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	
	Gas oil									Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	Petroleum coke	Coal	Coal coke (including pitch coke)
			kl	kl	kl	kl	t	t	t	
平成	29	年	24	1,750	15,184	2,329	-	159,234	570,705	-
	30		15	1,997	11,345	2,350	-	153,988	623,263	-
令和	1	年	15	786	13,313	2,345	-	162,917	628,556	-
	2		18	1,524	16,035	1,998	-	126,554	607,218	548
	3		14	2,181	13,035	1,918	-	135,620	554,098	92
令和	1	年度	8	1,558	13,453	1,642	-	151,694	597,548	54
	2		11	2,056	12,814	2,345	-	151,071	580,290	273
	3	年	-	-	-	-	-	-	-	-
		1~3月	11	2,056	12,814	2,345	-	151,071	580,290	273
		4~6	18	2,199	10,831	2,254	-	167,256	455,152	434
		7~9	15	2,042	12,987	2,451	-	155,704	577,486	154
		10~12	14	2,181	13,035	1,918	-	135,620	554,098	92
	3	年	-	-	-	-	-	-	-	-
		1月	13	1,601	14,692	2,483	-	135,055	557,737	498
		2	9	1,653	14,116	2,531	-	119,738	496,131	334
		3	11	2,056	12,814	2,345	-	151,071	580,290	273
		4	16	2,004	12,469	2,165	-	157,086	473,573	-
		5	10	1,421	12,660	2,585	-	130,207	489,228	173
		6	18	2,199	10,831	2,254	-	167,256	455,152	434
		7	14	1,227	14,332	2,310	-	128,158	536,646	134
		8	15	1,936	13,383	2,245	-	112,335	458,889	339
		9	15	2,042	12,987	2,451	-	155,704	577,486	154
		10	13	1,842	14,029	1,621	-	143,532	595,827	370
		11	14	2,176	11,966	2,080	-	121,439	612,211	220
		12	14	2,181	13,035	1,918	-	135,620	554,098	92

液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	石炭 Coal t	タール Tar t	廃タイヤ Used tires t	アンモニア及びアンモニア誘導品			Year, Quarter & Month
					NGL・コンデンサート Natural gas liquids・Condensate kl	ナフサ Naphtha kl	軽油 Gas oil kl	
60,591	28,563	58,349	-	3,345	-	-	-	C.Y. 2017
53,196	25,746	59,692	-	2,671	-	-	-	C.Y. 2018
55,561	18,843	65,679	-	3,058	-	-	-	C.Y. 2019
65,437	21,109	61,835	-	1,769	-	-	-	C.Y. 2020
80,639	37,664	80,008	-	2,327	-	-	-	C.Y. 2021
47,399	18,510	56,218	-	2,314	-	-	-	F.Y. 2019
74,252	49,345	61,161	-	1,611	-	-	-	F.Y. 2020
74,252	49,345	61,161	-	1,611	-	-	-	Q1 2021
74,968	34,523	51,854	-	2,421	-	-	-	Q2
69,376	14,398	57,967	-	2,011	-	-	-	Q3
80,639	37,664	80,008	-	2,327	-	-	-	Q4
73,914	16,786	58,017	-	953	-	-	-	Jan. 2021
68,065	11,587	53,889	-	1,138	-	-	-	Feb.
74,252	49,345	61,161	-	1,611	-	-	-	Mar.
69,616	44,450	57,018	-	2,612	-	-	-	Apr.
87,695	47,805	56,675	-	1,605	-	-	-	May
74,968	34,523	51,854	-	2,421	-	-	-	Jun.
78,991	18,586	43,733	-	2,893	-	-	-	Jul.
79,244	28,641	55,756	-	1,492	-	-	-	Aug.
69,376	14,398	57,967	-	2,011	-	-	-	Sep.
68,097	35,295	66,628	-	893	-	-	-	Oct.
82,061	22,733	65,662	-	1,624	-	-	-	Nov.
80,639	37,664	80,008	-	2,327	-	-	-	Dec.

② 窯業・土石製品

B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	廃タイヤ Used tires t	セメント Cement		Year, Quarter & Month
						ガソリン Gasoline kl	灯油 Kerosene kl	
1,840	19	23,864	244,758	1,152	790	-	57	C.Y. 2017
1,556	22	23,449	276,042	1,240	625	-	21	C.Y. 2018
1,816	15	12,907	272,663	895	349	-	33	C.Y. 2019
1,621	23	15,977	266,173	1,136	455	-	32	C.Y. 2020
1,320	18	24,303	303,229	1,410	263	-	51	C.Y. 2021
1,563	19	15,139	241,968	1,328	392	-	45	F.Y. 2019
1,405	20	4,968	262,759	1,279	-	-	40	F.Y. 2020
1,405	20	4,968	262,759	1,279	-	-	40	Q1 2021
2,296	17	22,277	221,556	802	-	-	52	Q2
985	15	8,257	238,064	1,008	370	-	38	Q3
1,320	18	24,303	303,229	1,410	263	-	51	Q4
1,520	20	17,006	263,217	998	184	-	28	Jan. 2021
1,885	19	9,729	253,161	1,037	162	-	42	Feb.
1,405	20	4,968	262,759	1,279	-	-	40	Mar.
989	14	31,181	184,075	1,103	-	-	59	Apr.
1,653	18	31,963	191,966	922	-	-	42	May
2,296	17	22,277	221,556	802	-	-	52	Jun.
1,575	14	11,123	160,287	1,317	-	-	48	Jul.
1,191	18	17,397	218,936	884	-	-	50	Aug.
985	15	8,257	238,064	1,008	370	-	38	Sep.
770	7	22,110	280,404	898	263	-	47	Oct.
1,688	13	13,852	276,863	1,187	234	-	43	Nov.
1,320	18	24,303	303,229	1,410	263	-	51	Dec.

廃タイヤ Used tires t	板ガラス Sheet glass				石灰 Lime				Year, Quarter & Month
	灯油 Kerosene kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	灯油 Kerosene kl	軽油 Gas oil kl	A重油 Heavy fuel oil A kl		
3,782	43	79	13,874	92	248	23	856	C.Y. 2017	
3,757	-	102	14,052	99	265	27	1,275	C.Y. 2018	
4,538	24	69	14,721	105	297	27	1,190	C.Y. 2019	
4,660	34	101	15,164	106	303	31	1,400	C.Y. 2020	
5,497	22	91	12,614	112	242	28	888	C.Y. 2021	
2,889	33	65	14,825	74	308	14	1,304	F.Y. 2019	
3,159	15	47	15,452	87	251	28	1,272	F.Y. 2020	
3,159	15	47	15,452	87	251	28	1,272	Q1 2021	
6,333	44	85	15,337	61	289	29	1,291	Q2	
5,106	-	112	13,359	91	166	23	1,226	Q3	
5,497	22	91	12,614	112	242	28	888	Q4	
4,022	22	95	16,866	90	180	25	1,348	Jan. 2021	
3,198	29	94	14,864	84	248	26	1,341	Feb.	
3,159	15	47	15,452	87	251	28	1,272	Mar.	
3,645	25	89	13,351	110	292	28	1,349	Apr.	
2,320	23	85	14,295	99	222	28	1,274	May	
6,333	44	85	15,337	61	289	29	1,291	Jun.	
3,965	4	77	13,125	115	263	34	1,280	Jul.	
5,053	-	96	14,267	92	216	26	948	Aug.	
5,106	-	112	13,359	91	166	23	1,226	Sep.	
4,798	29	78	11,570	89	179	23	1,151	Oct.	
4,913	30	81	14,109	93	191	20	1,161	Nov.	
5,497	22	91	12,614	112	242	28	888	Dec.	

③ 非鉄金属地金

年 月	石灰(つづき) Lime (continued)								銅 Copper →
	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	廃タイヤ Used tires	灯油 Kerosene	
	kl	kl	t	t	t	t	t	kl	
平成 29 年	4,853	752	-	2,844	23,852	6,900	5	117	
30	5,281	877	-	1,324	19,969	9,966	4	120	
令和 1 年	5,887	867	-	1,408	22,110	7,985	2	114	
2	5,362	785	-	3,386	21,033	8,187	3	91	
3	5,106	463	-	5,376	18,446	10,262	1	121	
令和 1 年度	5,183	871	-	1,596	22,654	8,625	3	68	
2	5,253	498	-	5,903	24,429	7,429	-	-	
3 年 1~3月	5,253	498	-	5,903	24,429	7,429	-	-	
4~6	5,799	644	-	6,400	21,020	6,967	-	-	
7~9	5,334	592	-	5,771	17,279	8,079	3	132	
10~12	5,106	463	-	5,376	18,446	10,262	1	121	
3 年 1月	5,043	516	-	3,905	22,879	7,035	1	115	
2	4,413	565	-	4,838	21,871	7,842	1	75	
3	5,253	498	-	5,903	24,429	7,429	-	-	
4	5,750	628	-	6,037	21,955	7,259	-	136	
5	5,121	653	-	6,074	21,623	7,827	-	149	
6	5,799	644	-	6,400	21,020	6,967	-	-	
7	5,023	621	-	6,015	18,382	9,236	-	115	
8	5,022	464	-	5,860	15,223	7,954	-	92	
9	5,334	592	-	5,771	17,279	8,079	3	132	
10	5,187	713	-	5,767	17,330	8,030	2	107	
11	5,126	535	-	5,823	14,508	8,559	1	-	
12	5,106	463	-	5,376	18,446	10,262	1	121	

年 月	鉛 Lead						亜鉛 Zinc →	
	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	液化石油ガス Liquefied petroleum gas	オイルコークス Petroleum coke	石炭 Coal	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	ガソリン Gasoline	灯油 Kerosene
	kl	kl	t	t	t	t	kl	kl
平成 29 年	268	-	-	35	32	4,864	1	-
30	306	-	-	52	86	6,416	1	-
令和 1 年	186	-	-	-	74	5,900	1	-
2	230	-	-	63	57	4,699	1	-
3	296	-	-	51	68	3,011	1	-
令和 1 年度	192	-	-	57	49	4,884	1	-
2	231	-	-	40	33	4,313	1	-
3 年 1~3月	231	-	-	40	33	4,313	1	-
4~6	314	-	-	45	39	4,497	1	-
7~9	280	-	-	23	29	3,605	1	-
10~12	296	-	-	51	68	3,011	1	-
3 年 1月	237	-	-	35	27	4,510	1	-
2	259	-	-	51	45	3,424	1	-
3	231	-	-	40	33	4,313	1	-
4	273	-	-	59	34	3,892	1	-
5	222	-	-	63	31	3,551	1	-
6	314	-	-	45	39	4,497	1	-
7	314	-	-	60	62	3,193	1	-
8	243	-	-	55	55	3,553	1	-
9	280	-	-	23	29	3,605	1	-
10	234	-	-	45	49	3,668	1	-
11	270	-	-	39	42	2,067	1	-
12	296	-	-	51	68	3,011	1	-

年 月	アルミニウム (つづき) Aluminum (continued)					アルミニウム二次地金 Secondary aluminum ingots →		
	A重油 Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス Liquefied petroleum gas	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke)	灯油 Kerosene	軽油 Gas oil	A重油 Heavy fuel oil A
	kl	kl	kl	t	t	kl	kl	kl
平成 29 年	134	215	-	8	-	76	13	275
30	143	214	-	8	-	85	9	316
令和 1 年	146	210	-	7	-	76	10	356
2	75	190	-	8	-	36	12	275
3	79	210	-	7	-	30	8	302
令和 1 年度	122	170	-	7	-	66	15	335
2	64	94	-	7	-	31	14	256
3 年 1~3月	64	94	-	7	-	31	14	256
4~6	92	153	-	7	-	37	19	230
7~9	83	104	-	7	-	47	13	237
10~12	79	210	-	7	-	30	8	302
3 年 1月	71	83	-	7	-	32	10	244
2	65	87	-	6	-	28	19	230
3	64	94	-	7	-	31	14	256
4	110	216	-	8	-	55	10	273
5	82	129	-	8	-	40	10	246
6	92	153	-	7	-	37	19	230
7	74	145	-	7	-	65	15	339
8	80	114	-	7	-	71	16	277
9	83	104	-	7	-	47	13	237
10	79	106	-	7	-	42	13	256
11	72	129	-	6	-	28	9	203
12	79	210	-	7	-	30	8	302

Non-ferrous metals

軽油 Gas oil kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	オイルコークス Petroleum coke t	781	石炭 Coal t	石炭コークス (ピッチコークスを含む) Coal coke (including) t	716	Year, Quarter &Month
-	610	2,464	22	48	-	781	26,145	716	C.Y. 2017	
-	784	2,951	428	43	-	-	37,886	51	C.Y. 2018	
-	914	2,472	329	44	-	-	17,054	33	C.Y. 2019	
-	937	2,740	328	41	-	-	25,534	44	C.Y. 2020	
-	829	2,571	286	45	-	-	24,003	45	C.Y. 2021	
-	928	2,752	345	42	-	-	19,940	33	F.Y. 2019	
-	862	3,235	478	51	-	-	15,436	21	F.Y. 2020	
-	862	3,235	478	51	-	-	15,436	21	Q1 2021	
-	881	3,858	224	44	-	-	20,902	46	Q2	
-	549	2,588	289	50	-	-	8,513	32	Q3	
-	829	2,571	286	45	-	-	24,003	45	Q4	
-	818	2,247	294	22	-	-	20,254	30	Jan. 2021	
-	706	2,649	420	31	-	-	18,867	25	Feb.	
-	862	3,235	478	51	-	-	15,436	21	Mar.	
-	792	3,895	317	51	-	-	13,206	44	Apr.	
-	663	3,227	222	43	-	-	9,288	37	May	
-	881	3,858	224	44	-	-	20,902	46	Jun.	
-	839	3,382	225	43	-	-	17,161	21	Jul.	
-	640	3,487	253	55	-	-	13,371	31	Aug.	
-	549	2,588	289	50	-	-	8,513	32	Sep.	
-	630	3,243	234	42	-	-	5,619	30	Oct.	
-	480	2,466	305	36	-	-	2,308	25	Nov.	
-	829	2,571	286	45	-	-	24,003	45	Dec.	

軽油 Gas oil kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	液化石油ガス Liquefied petroleum gas t	石炭コークス (ピッチコークスを含む) Coal coke (including pitch coke) t	アルミニウム Aluminum			Year, Quarter &Month
					ガソリン Gasoline kl	灯油 Kerosene kl	軽油 Gas oil kl	
1	315	117	2	7,987	1	405	1	C.Y. 2017
1	315	111	2	11,595	1	365	1	C.Y. 2018
1	389	96	1	11,296	1	231	1	C.Y. 2019
1	361	133	0	7,991	1	210	1	C.Y. 2020
1	424	133	0	4,059	1	208	1	C.Y. 2021
1	389	97	1	6,265	1	241	1	F.Y. 2019
-	447	120	0	5,942	1	194	1	F.Y. 2020
-	447	120	0	5,942	1	194	1	Q1 2021
1	383	118	0	6,226	1	244	1	Q2
1	371	118	-	6,354	1	193	1	Q3
1	424	133	0	4,059	1	208	1	Q4
1	325	133	0	6,318	1	209	1	Jan. 2021
1	396	144	0	3,609	1	176	1	Feb.
-	447	120	0	5,942	1	194	1	Mar.
1	454	140	0	8,281	1	222	1	Apr.
1	433	135	0	5,469	1	266	1	May
1	383	118	0	6,226	1	244	1	Jun.
1	274	130	0	5,376	1	233	1	Jul.
1	350	110	-	3,958	1	190	1	Aug.
1	371	118	-	6,354	1	193	1	Sep.
1	387	133	-	5,554	1	188	1	Oct.
1	418	111	0	3,542	1	193	1	Nov.
1	424	133	0	4,059	1	208	1	Dec.

B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	Year, Quarter &Month
33	430	10	C.Y. 2017
59	468	9	C.Y. 2018
55	437	9	C.Y. 2019
86	413	10	C.Y. 2020
96	386	9	C.Y. 2021
58	391	9	F.Y. 2019
45	371	10	F.Y. 2020
45	371	10	Q1 2021
68	418	9	Q2
114	443	9	Q3
96	386	9	Q4
75	389	9	Jan. 2021
50	347	9	Feb.
45	371	10	Mar.
63	331	10	Apr.
81	374	9	May
68	418	9	Jun.
65	385	7	Jul.
61	331	8	Aug.
114	443	9	Sep.
132	261	9	Oct.
100	302	8	Nov.
96	386	9	Dec.

4. 地域別統計

Regional statistics

(1) 経済産業局別エネルギー消費(令和3年)

Energy consumption in each region of the Bureau of Economy, Trade and Industry, by fuels (C.Y.2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

経済産業局 Bureau of Economy, Trade and Industry	合計(注2) Total		燃料計 (原油換算) (Crude petroleum equivalent) kl	Fuel total	
	(原油換算) (Crude petroleum equivalent) kl	うち指定生産品目分 Specified products (原油換算) (Crude petroleum equivalent) kl		石油系燃料計 (原油換算) (Crude petroleum equivalent) kl	Oil based fuels total ガソリン Gasoline kl
1 合計 Total (注1)	197,612,260	145,862,347	185,104,319	74,324,947	45,784
ネット Net	154,578,591		142,070,644		
2 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry	6,112,807 4,620,039	4,118,852	5,865,941 4,373,172	823,922	33
3 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry	4,670,970 4,670,970	4,208,211	4,214,614 4,214,614	1,507,170	30
4 関東経済産業局管内 Kanto Bureau of Economy, Trade and Industry	66,654,663 54,699,045	52,870,549	62,733,325 50,777,706	34,211,710	11,290
5 中部経済産業局管内 Chubu Bureau of Economy, Trade and Industry	20,902,090 17,598,057	16,375,130	18,807,610 15,503,576	8,126,935	16,888
6 近畿経済産業局管内 Kansai Bureau of Economy, Trade and Industry	22,923,042 17,502,916	16,966,725	21,530,194 16,110,068	6,412,420	5,190
7 中国経済産業局管内 Chugoku Bureau of Economy, Trade and Industry	43,446,191 33,270,191	31,217,078	41,301,807 31,125,806	15,370,354	1,137
8 四国経済産業局管内 Sikoku Bureau of Economy, Trade and Industry	9,102,409 6,213,915	4,729,901	8,462,557 5,574,062	2,578,705	185
9 九州経済産業局管内 Kyushu(Okinawa) Bureau of Economy, Trade and Industry	23,800,088 16,003,458	15,375,901	22,188,271 14,391,640	5,293,731	11,031

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

1 合計 Total	7,647,594,695	5,644,872,925	7,163,537,274	2,876,375,641	1,529,208
ネット Net	5,982,191,585		5,498,134,161		
2 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry	236,565,648 178,795,503	159,399,561	227,011,904 169,241,759	31,885,794	1,102
3 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry	180,766,548 180,766,548	162,857,766	163,105,587 163,105,587	58,327,490	1,002
4 関東経済産業局管内 Kanto Bureau of Economy, Trade and Industry	2,579,535,553 2,116,853,115	2,046,090,305	2,427,779,759 1,965,097,321	1,323,993,267	377,109
5 中部経済産業局管内 Chubu Bureau of Economy, Trade and Industry	808,910,942 681,044,837	633,717,551	727,854,548 599,988,442	314,512,432	564,059
6 近畿経済産業局管内 Kansai Bureau of Economy, Trade and Industry	887,121,740 677,362,875	656,612,281	833,218,529 623,459,665	248,160,704	173,346
7 中国経済産業局管内 Chugoku Bureau of Economy, Trade and Industry	1,681,367,605 1,287,556,394	1,208,100,911	1,598,379,929 1,204,568,717	594,832,701	37,976
8 四国経済産業局管内 Sikoku Bureau of Economy, Trade and Industry	352,263,244 240,478,508	183,047,171	327,500,953 215,716,216	99,795,880	6,179
9 九州経済産業局管内 Kyushu(Okinawa) Bureau of Economy, Trade and Industry	921,063,415 619,333,805	595,047,379	858,686,065 556,956,454	204,867,373	368,435

注1. 合計及び各経済産業局管内の合計及び燃料計欄については、ネットの数値(下段)を表示。

2. 合計(原油換算)の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。

なお、合計欄の下段「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl	軽油 Gas oil kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas t	
31,023,551	15,101,547	948,272	227,186	599,076	3,850,243	1,609,584	5,221,355	1
28,625	-	1,725	1,094	38,477	158,744	4,425	55,564	2
20,355	713,521	14,969	2,328	63,207	133,144	18,982	77,802	3
17,294,603	4,773,769	369,177	184,181	95,240	945,437	655,239	3,143,949	4
2,417,213	2,040,925	57,836	12,412	160,992	483,802	282,811	513,624	5
2,057,208	1,697,422	16,660	11,452	36,357	676,408	158,132	446,899	6
5,848,764	3,607,064	447,141	7,191	123,140	958,015	381,898	664,685	7
8,152	1,642,902	17,662	3,490	35,654	272,187	38,133	99,567	8
3,348,631	625,944	23,102	5,038	46,009	222,506	69,964	219,265	9

								単位 Unit: GJ	
1,033,084,249	508,922,134	34,612,246	8,633,031	23,305,117	160,941,473	64,384,014	261,593,321	1	
953,213	-	62,963	41,572	1,496,755	6,635,499	177,000	2,783,756	2	
677,822	24,045,658	546,370	88,464	2,458,781	5,565,455	759,934	3,897,880	3	
575,910,280	160,876,015	13,475,082	6,998,877	3,704,850	39,519,271	26,209,560	157,511,974	4	
80,493,193	68,779,173	2,111,016	471,631	6,262,865	20,222,924	11,312,440	25,734,150	5	
68,505,026	57,203,121	608,090	435,176	1,414,287	28,273,856	6,325,280	22,389,931	6	
194,763,841	121,558,057	16,320,839	273,247	4,790,243	40,045,051	15,275,920	33,300,719	7	
271,462	55,365,797	644,663	132,620	1,387,586	11,377,417	1,525,320	4,988,315	8	
111,509,412	21,094,313	843,223	191,444	1,789,750	9,302,000	2,798,560	10,986,596	9	

Notes1. The total net numerical value was also published in the lower line.

2. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

1) 固有単位表(事業所ベース)(つづき)

Table of original unit (establishment basis) (continued)

経済産業局 Bureau of Economy, Trade and Industry	燃料計(つづき) Fuel total (continued)				
	石油系燃料計(つづき) Oil based fuels total(continued)				非石油系燃料計 (原油換算) (Crude petroleum equivalent) kl
	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	
1 合計 Total ネット Net	12,289,031	3,562,542	350,543	389,967	110,779,369
2 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry	333,579	78,090	-	2,721	5,042,018
3 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry	359,898	44,861	-	10,882	2,707,444
4 関東経済産業局管内 Kanto Bureau of Economy, Trade and Industry	5,952,387	642,269	245,322	115,375	28,521,614
5 中部経済産業局管内 Chubu Bureau of Economy, Trade and Industry	1,357,642	670,991	48,207	125,596	10,680,675
6 近畿経済産業局管内 Kansai Bureau of Economy, Trade and Industry	1,165,823	55,962	-	37,614	15,117,773
7 中国経済産業局管内 Chugoku Bureau of Economy, Trade and Industry	2,486,677	1,230,422	-	16,747	25,931,453
8 四国経済産業局管内 Sikoku Bureau of Economy, Trade and Industry	382,179	133,802	-	3,726	5,883,852
9 九州経済産業局管内 Kyushu(Okinawa) Bureau of Economy, Trade and Industry	250,846	706,145	57,014	77,306	16,894,540

2) 熱量単位表(事業所ベース)(つづき)

Table of energy unit (establishment basis) (continued)

1 合計 Total ネット Net	626,740,581	118,632,650	14,021,720	15,676,672	4,287,161,632
2 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry	17,012,529	2,600,397	-	109,384	195,126,110
3 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry	18,354,798	1,493,871	-	437,456	104,778,097
4 関東経済産業局管内 Kanto Bureau of Economy, Trade and Industry	303,571,737	21,387,558	9,812,880	4,638,075	1,103,786,491
5 中部経済産業局管内 Chubu Bureau of Economy, Trade and Industry	69,239,742	22,344,000	1,928,280	5,048,959	413,342,116
6 近畿経済産業局管内 Kansai Bureau of Economy, Trade and Industry	59,456,973	1,863,535	-	1,512,083	585,057,825
7 中国経済産業局管内 Chugoku Bureau of Economy, Trade and Industry	126,820,527	40,973,053	-	673,229	1,003,547,228
8 四国経済産業局管内 Sikoku Bureau of Economy, Trade and Industry	19,491,129	4,455,607	-	149,785	227,705,073
9 九州経済産業局管内 Kyushu(Okinawa) Bureau of Economy, Trade and Industry	12,793,146	23,514,629	2,280,560	3,107,701	653,818,692

注3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

Non-oil based fuels total					電力 Electricity 1000kWh	うち購入分 among those purchased 1000kWh	蒸気 Steam t	うち受入分 among those accepted t	
(注3) 石炭 Coal t	(注4) 石炭コークス Coal coke t	都市ガス (B) Town gas (B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t					
81,190,032	28,682,013	5,760,739	728,206	708,180	177,149,551	103,880,434	477,015,247	38,200,662	1
4,274,838	915,642	623	61,036	18,855	5,853,577	1,553,799	32,402,841	1,129,930	2
2,160,066	127,636	15,084	50,403	112,613	8,775,461	4,458,283	27,684,274	404,731	3
16,850,783	8,865,400	2,252,158	277,188	267,759	47,231,223	28,745,764	130,612,207	16,292,165	4
5,918,887	2,642,188	1,143,337	97,295	99,152	29,301,828	20,022,837	51,573,642	2,953,767	5
10,638,233	3,435,234	1,711,201	7,929	7,558	22,159,554	12,426,355	43,877,263	3,425,885	6
20,748,210	7,791,295	490,303	35,907	105,043	35,207,651	18,712,528	109,292,090	5,840,215	7
6,522,165	146,376	14,526	456	97,200	10,761,416	4,786,669	47,691,870	2,815,059	8
14,076,850	4,758,242	133,507	197,992	-	17,858,841	13,174,199	33,881,060	5,338,910	9

単位 Unit: GJ									
2,225,942,160	831,778,603	236,766,383	21,336,437	19,054,320	637,738,385	373,969,561	1,276,015,811	102,186,777	1
117,083,406	26,553,618	25,605	1,788,355	507,200	21,072,877	5,593,676	86,677,601	3,022,563	2
56,368,797	3,701,444	619,937	1,476,808	3,033,567	31,591,660	16,049,819	74,055,435	1,082,656	3
478,282,703	257,096,600	92,563,692	8,121,608	7,202,717	170,032,403	103,484,750	349,387,662	43,581,544	4
163,229,193	76,623,452	46,991,169	2,850,744	2,667,189	105,486,581	72,082,213	137,959,496	7,901,327	5
283,318,891	99,621,786	70,330,353	232,320	203,310	79,774,394	44,734,878	117,371,682	9,164,243	6
573,708,054	225,947,555	20,151,455	1,052,075	2,825,657	126,747,544	67,365,101	292,356,344	15,622,576	7
170,228,507	4,244,904	597,019	13,361	2,614,680	38,741,098	17,232,008	127,575,754	7,530,283	8
383,722,609	137,989,244	5,487,153	5,801,166	-	64,291,828	47,427,116	90,631,837	14,281,585	9

Notes 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(2) 経済産業局別エネルギー消費量の推移

Energy consumption in each region of the Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内

Hokkaido Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)				ガソリン Gasoline		
	Total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	うち指定 生產品目分 (原油換算) Specified products (Crude petroleum equivalent) kl	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	石油系燃料計 (原油換算) Oil based fuels total (Crude petroleum equivalent) kl				
									石油系燃料計 (原油換算)	
平成 29 年	8,129,434	6,903,191	6,411,343	7,869,453	6,643,210	2,756,573	84			
30	7,824,477	6,682,998	6,122,488	7,561,759	6,420,280	2,521,392	65			
令和 1 年	6,674,354	5,406,464	4,933,528	6,422,996	5,155,106	1,257,944	39			
2	5,206,049	4,058,399	3,473,596	5,000,489	3,852,839	666,299	31			
3	6,112,807	4,620,039	4,118,852	5,865,941	4,373,172	823,922	33			
令和 1 年度	6,451,177	5,107,156	4,627,112	6,207,106	4,863,085	916,805	31			
2	5,069,871	3,927,260	3,356,001	4,860,341	3,717,730	665,333	34			
3 年 1~3月	1,610,895	1,250,038	1,094,106	1,545,811	1,184,954	227,019	12			
4~6	1,473,206	1,098,154	1,010,727	1,411,979	1,036,926	204,314	7			
7~9	1,561,488	1,186,458	1,054,201	1,504,539	1,129,510	211,424	6			
10~12	1,467,219	1,085,389	959,818	1,403,612	1,021,782	181,166	8			
3 年 1月	550,652	425,335	373,193	529,011	403,694	73,472	4			
2	508,584	398,878	345,847	488,734	379,028	76,249	3			
3	551,659	425,825	375,065	528,065	402,232	77,298	5			
4	468,401	347,622	319,059	446,547	325,768	67,501	3			
5	507,542	377,574	354,337	487,014	357,045	72,465	2			
6	497,263	372,958	337,331	478,418	354,113	64,347	2			
7	534,826	412,274	366,821	515,994	393,442	73,745	2			
8	529,253	404,496	355,639	510,307	385,550	75,461	2			
9	497,409	369,688	331,741	478,238	350,518	62,218	2			
10	488,201	361,199	316,348	468,176	341,174	50,443	2			
11	455,359	328,754	293,146	434,443	307,839	53,696	2			
12	523,658	395,436	350,324	500,992	372,770	77,028	4			

年 月	燃料計(つづき) Fuel total (continued)							
	石油系燃料計(つづき) Oil based fuels total (continued)				非石油系燃料計 (原油換算)		主要燃料	
	石油系炭化 水素ガス Hydrocarbon gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	Non-oil based fuels total (Crude petroleum equivalent) kl	石炭 Coal	石炭コークス Coal coke	
	1000m ³	t	t	kl	kl	t	t	
平成 29 年	644,660	135,343	123,569	5,117	5,112,881	4,354,080	902,422	
30	568,234	82,983	135,584	4,188	5,040,366	4,266,546	948,493	
令和 1 年	473,769	76,848	25,313	3,474	5,165,051	4,368,422	926,337	
2	257,758	56,638	-	4,051	4,334,190	3,920,951	534,160	
3	333,579	78,090	-	2,721	5,042,018	4,274,838	915,642	
令和 1 年度	413,052	88,877	-	3,986	5,290,301	4,407,219	910,948	
2	248,679	38,729	-	4,203	4,195,008	3,881,393	546,538	
3 年 1~3月	96,334	11,459	-	1,236	1,318,792	1,144,981	236,659	
4~6	94,386	20,145	-	538	1,207,665	1,007,696	214,853	
7~9	76,009	33,019	-	492	1,293,115	1,104,316	236,259	
10~12	66,850	13,467	-	455	1,222,445	1,017,845	227,871	
3 年 1月	26,395	7,299	-	615	455,540	390,553	83,928	
2	34,171	2,983	-	397	412,485	362,484	71,931	
3	35,768	1,177	-	224	450,768	391,944	80,800	
4	35,793	2,423	-	150	379,045	303,515	70,972	
5	34,613	8,072	-	229	414,549	346,328	75,922	
6	23,980	9,650	-	159	414,071	357,853	67,959	
7	26,515	10,117	-	104	442,249	393,893	77,733	
8	24,035	16,491	-	130	434,846	372,174	76,162	
9	25,459	6,411	-	258	416,020	338,249	82,364	
10	20,136	3,996	-	118	417,734	345,667	76,568	
11	18,276	2,877	-	122	380,748	318,645	72,551	
12	28,438	6,594	-	215	423,964	353,533	78,752	

ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	Year, Quarter &Month
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
21,409	1,453,663	1,526	1,001	64,419	237,436	-	78,432	C.Y. 2017
12,279	1,327,033	1,636	1,024	77,520	238,475	-	71,371	C.Y. 2018
7,918	246,308	1,589	1,014	56,670	217,099	918	68,260	C.Y. 2019
16,571	-	1,901	828	58,821	160,066	3,088	48,106	C.Y. 2020
28,625	-	1,725	1,094	38,477	158,744	4,425	55,564	C.Y. 2021
9,877	-	1,511	1,002	42,628	198,272	1,255	69,892	F.Y. 2019
21,750	-	2,093	848	63,749	161,164	3,317	46,027	F.Y. 2020
7,138	-	575	294	14,162	40,705	566	17,674	Q1 2021
1,271	-	243	264	7,311	29,422	1,052	15,629	Q2
11,481	-	250	263	7,985	38,843	1,363	15,887	Q3
8,735	-	657	273	9,019	49,774	1,444	6,374	Q4
7,138	-	221	96	3,841	13,800	162	4,722	Jan. 2021
-	-	193	94	4,206	12,198	148	8,038	Feb.
-	-	161	104	6,115	14,707	256	4,914	Mar.
-	-	76	91	2,893	6,800	229	5,746	Apr.
-	-	117	92	1,992	8,639	297	6,044	May
1,271	-	50	81	2,426	13,983	526	3,839	Jun.
2,122	-	115	96	3,494	14,960	378	6,101	Jul.
5,401	-	88	76	2,620	14,475	513	4,524	Aug.
3,958	-	47	91	1,871	9,408	472	5,262	Sep.
1,076	-	67	92	2,784	13,688	540	868	Oct.
-	-	257	79	2,833	19,689	418	1,654	Nov.
7,659	-	333	102	3,402	16,397	486	3,852	Dec.

Main fuel			電力	うち購入分	蒸気	うち受入分	Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF					
Town gas(B) 1000m ³	Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	among those purchased 1000kWh	Steam t	among those accepted t	
1,733	56,678	18,616	7,128,981	1,690,062	40,380,134	1,130,739	C.Y. 2017
1,693	59,028	21,799	6,945,129	1,786,124	40,435,596	1,008,527	C.Y. 2018
1,613	61,155	22,514	6,659,025	1,643,126	37,914,338	1,080,872	C.Y. 2019
1,629	67,518	23,504	5,568,151	1,306,341	31,059,931	871,835	C.Y. 2020
623	61,036	18,855	5,853,577	1,553,799	32,402,841	1,129,930	C.Y. 2021
1,601	64,936	24,389	6,452,952	1,569,092	36,391,470	1,081,017	F.Y. 2019
1,618	60,161	20,886	5,526,119	1,339,547	30,538,522	883,431	F.Y. 2020
623	11,609	5,000	1,541,488	398,485	8,833,750	326,886	Q1 2021
-	15,007	5,069	1,459,470	388,917	7,468,243	264,895	Q2
-	18,023	3,997	1,495,540	367,371	8,261,987	246,643	Q3
-	16,397	4,789	1,357,079	399,026	7,838,861	291,506	Q4
224	3,301	1,920	526,217	130,620	3,083,091	111,460	Jan. 2021
199	3,280	1,429	481,648	120,994	2,812,582	101,018	Feb.
199	5,028	1,651	533,623	146,871	2,938,077	114,408	Mar.
-	1,846	1,370	463,354	143,055	2,283,031	92,368	Apr.
-	6,073	1,860	502,041	131,258	2,450,792	88,342	May
-	7,088	1,839	494,075	114,604	2,734,420	84,185	Jun.
-	6,820	1,500	511,944	132,729	2,803,771	63,333	Jul.
-	6,136	1,368	501,810	116,351	2,814,453	90,884	Aug.
-	5,067	1,129	481,786	118,291	2,643,763	92,426	Sep.
-	4,970	1,842	461,536	127,585	2,748,402	89,824	Oct.
-	4,750	1,273	421,496	131,575	2,405,140	94,197	Nov.
-	6,677	1,674	474,047	139,866	2,685,319	107,485	Dec.

2) 東北経済産業局管内

Tohoku Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)				ガソリン Gasoline		
	Total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	うち指定 生産品目分 (原油換算) Specified products (Crude petroleum equivalent) kl	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	石油系燃料計 (原油換算) Oil based fuels total (Crude petroleum equivalent) kl				
									石油系燃料計 (原油換算)	
平成 29 年	5,472,015	5,472,015	5,035,118	4,982,895	4,982,895	2,047,991	67			
30	5,628,191	5,628,191	5,161,720	5,136,175	5,136,175	2,205,864	59			
令和 1 年	5,230,465	5,230,465	4,771,346	4,747,228	4,747,228	1,831,985	57			
2	4,665,501	4,665,501	4,194,899	4,248,934	4,248,934	1,599,075	32			
3	4,670,970	4,670,970	4,208,211	4,214,614	4,214,614	1,507,170	30			
令和 1 年度	5,169,332	5,169,332	4,704,992	4,692,554	4,692,554	1,791,274	50			
2	4,372,258	4,372,258	3,894,920	3,963,425	3,963,425	1,382,412	28			
3 年 1~3月	1,046,922	1,046,922	917,419	939,886	939,886	249,053	7			
4~6	972,720	972,720	882,574	860,591	860,591	266,738	6			
7~9	1,283,287	1,283,287	1,159,193	1,170,014	1,170,014	443,300	9			
10~12	1,368,040	1,368,040	1,249,024	1,244,123	1,244,123	548,078	8			
3 年 1月	431,591	431,591	380,218	394,588	394,588	140,782	2			
2	322,390	322,390	283,236	288,506	288,506	77,035	2			
3	292,942	292,942	253,965	256,793	256,793	31,237	3			
4	322,086	322,086	299,101	284,808	284,808	92,087	2			
5	359,081	359,081	327,738	320,130	320,130	98,369	2			
6	291,554	291,554	255,734	255,653	255,653	76,282	2			
7	342,352	342,352	302,138	307,641	307,641	72,088	4			
8	483,432	483,432	437,601	443,915	443,915	184,906	3			
9	457,503	457,503	419,454	418,458	418,458	186,306	2			
10	446,257	446,257	414,431	404,520	404,520	196,667	2			
11	459,635	459,635	415,704	418,102	418,102	186,438	2			
12	462,148	462,148	418,890	421,501	421,501	164,973	4			

年 月	燃料計(つづき) Fuel total (continued)						
	石油系燃料計(つづき) Oil based fuels total (continued)				非石油系燃料計 (原油換算)		主要燃料
	石油系炭化 水素ガス Hydrocarbon gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス Coal coke t
	1000m ³	t	t	kl	kl	t	t
平成 29 年	489,941	73,746	-	13,069	2,934,904	2,430,159	127,511
30	525,665	81,239	-	12,682	2,930,310	2,410,299	126,516
令和 1 年	460,906	64,678	-	13,273	2,915,243	2,345,965	143,702
2	424,460	59,944	-	9,940	2,649,859	2,201,828	120,624
3	359,898	44,861	-	10,882	2,707,444	2,160,066	127,636
令和 1 年度	453,991	62,192	-	13,125	2,901,279	2,352,996	135,358
2	359,502	56,220	-	10,113	2,581,013	2,134,198	125,530
3 年 1~3月	58,192	13,069	-	2,827	690,833	544,651	33,432
4~6	63,751	10,130	-	2,709	593,853	470,023	32,174
7~9	103,653	9,116	-	3,216	726,714	575,882	29,778
10~12	134,302	12,546	-	2,130	696,045	569,510	32,252
3 年 1月	39,287	3,041	-	1,396	253,806	199,915	11,075
2	17,208	4,738	-	727	211,471	173,098	10,784
3	1,697	5,290	-	704	225,556	171,638	11,573
4	22,859	4,110	-	783	192,721	144,377	10,761
5	24,818	2,166	-	1,025	221,761	181,547	11,038
6	16,074	3,854	-	901	179,370	144,099	10,375
7	18,149	2,481	-	1,341	235,553	185,956	12,111
8	42,728	4,531	-	1,262	259,009	209,294	12,140
9	42,776	2,104	-	613	232,151	180,632	5,527
10	46,039	4,978	-	872	207,853	166,451	9,590
11	45,560	2,964	-	562	231,664	189,484	12,396
12	42,703	4,604	-	696	256,527	213,575	10,266

ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	Year, Quarter &Month
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
19,160	1,022,839	16,203	2,188	77,659	160,793	15,090	135,782	C.Y. 2017
17,918	1,106,274	16,188	2,447	76,299	161,407	16,652	162,621	C.Y. 2018
24,110	858,836	15,299	2,823	70,588	137,544	16,088	136,091	C.Y. 2019
46,877	699,320	13,552	2,558	59,451	112,593	18,294	120,261	C.Y. 2020
20,355	713,521	14,969	2,328	63,207	133,144	18,982	77,802	C.Y. 2021
34,921	829,010	15,005	2,873	65,938	138,112	16,934	128,820	F.Y. 2019
34,016	567,022	14,588	2,524	59,959	119,746	17,801	102,776	F.Y. 2020
9,290	78,177	5,331	636	17,226	37,957	3,952	10,845	Q1 2021
-	123,998	3,253	522	16,809	33,628	4,493	1,367	Q2
414	237,492	3,026	603	12,046	28,676	4,537	28,681	Q3
10,651	273,854	3,359	567	17,126	32,883	6,000	36,909	Q4
6,232	54,093	2,298	196	5,310	13,033	1,433	7,106	Jan. 2021
3,058	24,084	1,614	208	5,774	12,080	1,143	3,214	Feb.
-	-	1,419	232	6,142	12,844	1,376	525	Mar.
-	45,830	1,182	157	4,764	8,505	1,693	547	Apr.
-	49,141	1,041	167	5,848	10,267	1,207	448	May
-	29,027	1,030	198	6,197	14,856	1,593	372	Jun.
-	27,170	1,095	201	4,102	11,584	1,599	1,129	Jul.
-	102,545	972	205	4,101	8,959	1,200	13,852	Aug.
414	107,777	959	197	3,843	8,133	1,738	13,700	Sep.
6,726	104,442	950	181	6,897	10,936	1,400	9,890	Oct.
3,925	96,111	1,126	201	5,257	11,682	3,087	10,690	Nov.
-	73,301	1,283	185	4,972	10,265	1,513	16,329	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分	Steam	うち受入分	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel		among those purchased		among those accepted	
1000m ³	t	t	1000kWh	1000kWh	t	t	
13,894	36,209	105,403	9,826,885	4,775,482	31,540,145	431,756	C.Y. 2017
13,860	40,262	105,828	9,796,612	4,822,143	31,113,419	436,510	C.Y. 2018
14,127	50,610	108,458	9,669,802	4,758,434	30,466,814	397,368	C.Y. 2019
14,194	45,224	105,597	8,578,153	4,061,712	28,681,564	360,457	C.Y. 2020
15,084	50,403	112,613	8,775,461	4,458,283	27,684,274	404,731	C.Y. 2021
14,347	49,927	107,244	9,573,522	4,685,923	30,224,811	396,131	F.Y. 2019
15,684	43,589	105,941	8,302,522	4,001,426	27,683,774	329,926	F.Y. 2020
5,987	10,556	29,900	2,119,241	1,056,824	6,987,848	76,632	Q1 2021
3,048	11,244	25,396	2,080,163	1,095,350	6,326,713	82,204	Q2
2,370	13,168	31,809	2,280,925	1,099,730	7,321,207	117,809	Q3
3,679	15,435	25,508	2,295,132	1,206,379	7,048,506	128,086	Q4
2,145	2,845	11,149	775,717	363,951	2,737,625	32,964	Jan. 2021
2,096	4,372	7,969	650,862	334,811	2,055,755	24,356	Feb.
1,746	3,339	10,782	692,662	358,062	2,194,468	19,312	Mar.
1,259	4,602	9,545	689,332	360,492	2,232,461	30,811	Apr.
1,018	4,321	7,711	747,999	379,624	2,366,275	29,522	May
771	2,321	8,140	642,832	355,234	1,727,977	21,871	Jun.
865	2,134	11,414	723,950	339,589	2,429,854	27,895	Jul.
783	5,964	11,578	797,261	378,789	2,550,125	45,043	Aug.
721	5,070	8,817	759,714	381,352	2,341,228	44,871	Sep.
800	4,334	5,054	737,670	404,421	2,192,981	46,707	Oct.
1,256	6,136	10,034	763,424	404,225	2,306,816	43,938	Nov.
1,623	4,965	10,420	794,038	397,733	2,548,709	37,441	Dec.

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)				ガソリン Gasoline
	Total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	うち指定 生産品目分 (原油換算) Specified products (Crude petroleum equivalent) kl	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算) Net (Crude petroleum equivalent) kl	石油系燃料計 (原油換算)		
						Oil based fuels total (Crude petroleum equivalent) kl	Gasoline kl	
平成 29 年	70,273,701	58,242,743	55,955,855	66,075,003	54,044,044	37,035,669	17,193	
30	68,106,002	55,767,745	53,693,770	63,985,111	51,646,854	34,011,448	15,180	
令和 1 年	68,164,479	55,615,390	53,481,640	64,116,390	51,567,301	35,032,904	14,552	
2	59,746,924	49,236,630	47,171,863	56,061,701	45,551,407	31,260,833	11,805	
3	66,654,663	54,699,045	52,870,549	62,733,325	50,777,706	34,211,710	11,290	
令和 1 年度	67,242,094	54,699,094	52,689,093	63,203,143	50,660,142	34,227,540	14,440	
2	59,794,196	49,433,438	47,280,933	56,153,100	45,792,342	31,533,451	11,283	
3 年 1~3月	16,539,765	13,549,247	13,041,062	15,584,128	12,593,609	8,454,544	2,902	
4~6	16,204,488	13,187,028	12,839,923	15,245,059	12,227,599	8,182,366	2,675	
7~9	16,513,342	13,551,800	13,085,646	15,505,148	12,543,606	8,430,069	2,625	
10~12	17,397,068	14,410,970	13,903,919	16,398,991	13,412,893	9,144,732	3,088	
3 年 1月	5,652,921	4,641,653	4,431,445	5,323,201	4,311,933	2,914,485	845	
2	5,069,419	4,133,692	3,981,994	4,765,536	3,829,809	2,526,760	922	
3	5,817,426	4,773,902	4,627,624	5,495,391	4,451,868	3,013,299	1,135	
4	5,495,490	4,511,798	4,382,905	5,173,640	4,189,947	2,836,753	946	
5	5,504,028	4,464,034	4,363,694	5,191,355	4,151,360	2,769,128	691	
6	5,204,969	4,211,196	4,093,323	4,880,064	3,886,291	2,576,485	1,038	
7	5,283,183	4,319,786	4,130,639	4,947,543	3,984,146	2,644,933	1,061	
8	5,548,594	4,551,925	4,404,370	5,211,227	4,214,558	2,846,545	835	
9	5,681,565	4,680,090	4,550,637	5,346,377	4,344,902	2,938,592	729	
10	5,749,389	4,766,977	4,592,588	5,410,492	4,428,081	3,009,901	941	
11	5,647,804	4,670,169	4,513,182	5,324,502	4,346,867	2,967,114	1,142	
12	5,999,875	4,973,823	4,798,149	5,663,997	4,637,945	3,167,717	1,005	

年 月	燃料計(つづき) Fuel total (continued)						
	石油系燃料計(つづき) Oil based fuels total (continued)				非石油系燃料計 (原油換算)		主要燃料
	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (Crude petroleum equivalent) kl	石炭 Coal t	石炭コークス Coal coke t
平成 29 年	7,276,841	651,052	454,464	105,136	29,039,333	17,286,334	8,829,774
30	6,343,301	625,382	352,606	99,728	29,973,664	17,934,432	9,000,649
令和 1 年	6,287,355	691,183	466,379	102,826	29,083,486	17,646,529	8,577,909
2	5,488,484	603,260	88,143	96,627	24,800,868	14,601,664	7,076,467
3	5,952,387	642,269	245,322	115,375	28,521,614	16,850,783	8,865,400
令和 1 年度	6,090,116	668,612	366,687	103,554	28,975,602	17,788,971	8,402,836
2	5,524,975	601,824	121,278	98,744	24,619,649	14,198,784	7,305,486
3 年 1~3月	1,455,335	155,093	79,068	27,116	7,129,584	4,108,685	2,262,882
4~6	1,395,759	142,641	42,313	26,732	7,062,693	4,241,347	2,193,659
7~9	1,515,163	175,935	65,347	29,806	7,075,079	4,189,995	2,214,179
10~12	1,586,130	168,600	58,594	31,721	7,254,258	4,310,756	2,194,680
3 年 1月	519,757	58,345	21,174	8,528	2,408,716	1,425,060	728,322
2	426,795	50,955	20,953	9,704	2,238,776	1,261,945	730,016
3	508,783	45,793	36,941	8,884	2,482,092	1,421,680	804,544
4	485,061	50,230	-	8,849	2,336,887	1,378,370	725,134
5	478,894	56,053	-	8,312	2,422,227	1,467,298	755,271
6	431,804	36,358	42,313	9,571	2,303,579	1,395,679	713,254
7	471,865	58,071	34,779	10,699	2,302,610	1,356,967	720,424
8	513,704	60,920	25,086	9,373	2,364,683	1,399,470	748,494
9	529,594	56,944	5,482	9,734	2,407,786	1,433,558	745,261
10	513,086	58,158	22,024	10,338	2,400,591	1,425,622	730,731
11	524,367	58,217	-	10,972	2,357,387	1,403,554	707,934
12	548,677	52,225	36,570	10,411	2,496,280	1,481,580	756,015

ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	Year, Quarter &Month
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
17,872,473	5,643,384	405,490	204,314	103,578	946,201	672,446	3,358,696	C.Y. 2017
16,113,390	5,651,477	392,217	183,428	88,375	937,142	672,911	3,184,470	C.Y. 2018
17,317,333	5,309,574	366,473	204,713	89,444	995,892	681,074	3,266,438	C.Y. 2019
16,247,636	4,936,802	373,048	147,500	86,508	881,375	658,433	2,580,151	C.Y. 2020
17,294,603	4,773,769	369,177	184,181	95,240	945,437	655,239	3,143,949	C.Y. 2021
17,199,327	5,227,031	327,954	178,647	90,051	935,627	674,022	3,157,595	F.Y. 2019
16,253,230	4,731,675	418,018	172,660	89,504	953,483	647,335	2,652,273	F.Y. 2020
4,244,704	1,118,251	101,053	54,528	29,203	291,361	157,170	779,607	Q1 2021
4,381,441	996,850	57,183	54,274	26,217	205,692	137,583	780,457	Q2
4,018,617	1,248,563	118,501	43,821	16,893	218,899	167,456	814,763	Q3
4,649,841	1,410,105	92,440	31,558	22,927	229,485	193,030	769,122	Q4
1,355,664	438,085	49,398	18,960	9,261	107,337	56,196	271,386	Jan. 2021
1,300,333	278,536	39,400	17,234	11,368	99,164	50,399	233,119	Feb.
1,588,707	401,630	12,255	18,334	8,574	84,860	50,575	275,102	Mar.
1,526,151	358,554	4,064	18,342	9,437	79,950	46,662	272,641	Apr.
1,484,429	324,327	20,546	18,776	8,469	70,665	48,240	269,068	May
1,370,861	313,969	32,573	17,156	8,311	55,077	42,681	238,748	Jun.
1,262,226	361,309	40,600	18,740	5,653	74,027	49,319	255,770	Jul.
1,345,677	422,601	42,370	18,620	6,036	72,544	57,062	272,839	Aug.
1,410,714	464,653	35,531	6,461	5,204	72,328	61,075	286,154	Sep.
1,532,214	436,759	43,290	2,563	8,870	76,083	64,337	270,127	Oct.
1,509,655	481,886	22,882	10,894	7,945	74,570	62,972	238,754	Nov.
1,607,972	491,460	26,268	18,101	6,112	78,832	65,721	260,241	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分	Steam	うち受入分	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel		among those purchased		among those accepted	
1000m ³	t	t	1000kWh	1000kWh	t	t	
2,260,120	250,406	275,852	49,842,026	31,307,864	133,017,490	16,727,165	C.Y. 2017
2,317,909	271,331	281,867	49,800,675	30,964,027	134,152,086	16,227,518	C.Y. 2018
2,205,993	266,842	274,896	48,532,558	29,984,730	133,290,627	16,457,163	C.Y. 2019
2,077,352	251,803	268,692	43,660,481	26,250,566	127,284,267	16,142,066	C.Y. 2020
2,252,158	277,188	267,759	47,231,223	28,745,764	130,612,207	16,292,165	C.Y. 2021
2,144,360	268,226	274,423	48,059,705	29,629,529	130,989,465	16,694,578	F.Y. 2019
2,110,737	250,044	264,563	43,420,300	26,000,470	128,944,437	15,914,175	F.Y. 2020
589,152	59,505	63,652	11,397,004	6,874,212	33,977,401	4,248,762	Q1 2021
517,267	68,720	70,082	11,518,207	7,078,479	30,603,967	3,834,525	Q2
552,823	72,696	63,759	12,263,088	7,474,035	32,267,173	4,033,088	Q3
592,916	76,267	70,266	12,052,924	7,319,038	33,763,666	4,175,790	Q4
200,627	22,948	17,507	3,869,391	2,324,045	11,934,891	1,550,747	Jan. 2021
196,156	17,493	20,435	3,595,413	2,220,896	10,522,326	1,314,557	Feb.
192,369	19,064	25,710	3,932,200	2,329,271	11,520,184	1,383,458	Mar.
182,832	21,392	24,128	3,820,845	2,338,530	10,600,345	1,337,196	Apr.
166,497	24,357	24,811	3,791,854	2,314,366	10,293,118	1,235,368	May
167,938	22,971	21,143	3,905,508	2,425,583	9,710,504	1,261,961	Jun.
192,830	24,422	19,349	4,095,464	2,514,762	10,274,566	1,301,653	Jul.
178,014	25,859	20,422	4,102,324	2,501,101	11,052,647	1,361,628	Aug.
181,979	22,415	23,988	4,065,300	2,458,172	10,939,960	1,369,807	Sep.
188,122	24,533	23,990	4,086,241	2,473,197	11,330,013	1,411,296	Oct.
202,570	26,090	23,743	3,902,256	2,405,546	10,916,344	1,324,669	Nov.
202,224	25,644	22,533	4,064,427	2,440,295	11,517,309	1,439,825	Dec.

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)			
	Total (Crude petroleum equivalent) kl	うちネット (原油換算)	うち指定 生産品目分 (原油換算)	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算)	石油系燃料計 (原油換算)	ガソリン Gasoline kl
		Net (Crude petroleum equivalent) kl	Specified products (Crude petroleum equivalent) kl		Net (Crude petroleum equivalent) kl	Oil based fuels total (Crude petroleum equivalent) kl	
平成 29 年	21,975,267	18,551,857	17,191,895	19,923,533	16,500,123	9,215,553	22,069
30	21,946,075	18,567,763	17,300,558	19,805,867	16,427,554	9,118,003	21,650
令和 1 年	22,117,839	18,738,315	17,357,688	19,975,553	16,596,028	9,444,975	22,040
2	20,092,501	16,921,748	15,529,750	18,091,858	14,921,105	8,261,382	18,690
3	20,902,090	17,598,057	16,375,130	18,807,610	15,503,576	8,126,935	16,888
令和 1 年度	21,749,274	18,398,937	17,014,121	19,620,440	16,270,103	9,177,436	21,576
2	20,265,996	17,099,291	15,790,005	18,261,365	15,094,660	8,317,592	17,740
3 年 1~3月	5,394,910	4,580,983	4,266,442	4,879,258	4,065,331	2,174,962	4,275
4~6	5,111,582	4,329,666	4,062,774	4,572,900	3,790,984	1,987,689	4,326
7~9	5,257,176	4,415,635	4,087,532	4,730,287	3,888,746	2,028,696	3,776
10~12	5,138,422	4,271,773	3,958,382	4,625,165	3,758,516	1,935,589	4,511
3 年 1月	1,869,892	1,588,948	1,483,119	1,699,877	1,418,933	780,979	1,317
2	1,734,334	1,475,915	1,361,355	1,567,127	1,308,708	711,133	1,313
3	1,790,684	1,516,120	1,421,968	1,612,254	1,337,690	682,849	1,645
4	1,716,923	1,467,744	1,375,058	1,543,692	1,294,513	698,547	1,534
5	1,728,259	1,463,040	1,382,283	1,548,425	1,283,205	677,050	1,030
6	1,666,399	1,398,882	1,305,432	1,480,789	1,213,266	612,092	1,762
7	1,779,850	1,488,483	1,385,255	1,597,183	1,305,816	653,758	1,754
8	1,798,666	1,516,603	1,404,400	1,625,581	1,343,518	724,101	1,000
9	1,678,660	1,410,550	1,297,877	1,507,522	1,239,412	650,836	1,022
10	1,682,128	1,389,464	1,298,411	1,511,148	1,218,485	616,529	1,198
11	1,703,492	1,417,355	1,308,031	1,533,360	1,247,223	652,357	1,717
12	1,752,802	1,464,954	1,351,940	1,580,656	1,292,808	666,702	1,596

年 月	燃料計(つづき) Fuel total (continued)							
	石油系燃料計(つづき) Oil based fuels total (continued)				非石油系燃料計 (原油換算)		主要燃料	
	石油系炭化 水素ガス	オイルコークス	アスファルト	再生油 (石油由来)	Non-oil based fuels total (Crude petroleum equivalent) kl	石炭 Coal	石炭コークス Coal coke	
	Hydrocarbon gas	Petroleum coke	Asphalt	Reproduction oil (Oil origin) kl				
1000m ³	t	t	kl	kl	t	t		
平成 29 年	1,567,132	927,082	310,427	94,401	10,707,980	5,806,133	2,602,761	
30	1,532,984	887,602	164,555	100,606	10,687,864	5,691,511	2,611,584	
令和 1 年	1,586,823	754,823	299,728	108,358	10,530,577	5,606,437	2,614,704	
2	1,466,056	763,280	223,182	109,841	9,830,476	5,337,084	2,505,620	
3	1,357,642	670,991	48,207	125,596	10,680,675	5,918,887	2,642,188	
令和 1 年度	1,578,071	736,558	279,022	112,008	10,443,004	5,593,196	2,599,314	
2	1,461,552	735,698	142,055	112,395	9,943,773	5,465,572	2,511,991	
3 年 1~3月	364,198	154,752	27,272	33,706	2,704,297	1,488,404	649,471	
4~6	351,557	129,803	4,954	27,073	2,585,211	1,407,055	653,643	
7~9	354,035	168,859	10,033	31,406	2,701,591	1,533,534	662,793	
10~12	287,852	217,577	5,948	33,411	2,689,576	1,489,894	676,281	
3 年 1月	126,176	64,047	2,585	10,841	918,898	509,109	225,536	
2	114,507	58,742	14,622	10,490	855,994	464,638	204,925	
3	123,515	31,963	10,065	12,375	929,405	514,657	219,010	
4	128,140	27,569	1,360	11,924	845,146	461,536	208,733	
5	119,344	49,040	-	4,985	871,374	467,891	225,469	
6	104,073	53,194	3,594	10,164	868,691	477,628	219,441	
7	112,876	57,658	4,733	11,024	943,424	540,474	228,831	
8	138,208	54,884	2,782	8,327	901,480	517,108	226,124	
9	102,951	56,317	2,518	12,055	856,686	475,952	207,838	
10	86,945	53,839	1,141	11,666	894,619	507,562	225,744	
11	88,774	104,630	2,617	10,771	881,003	458,315	225,194	
12	112,133	59,108	2,190	10,974	913,954	524,017	225,343	

								Year, Quarter &Month
ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
2,372,524	2,441,742	64,882	13,295	87,467	671,382	288,532	577,920	C.Y. 2017
2,085,307	2,894,666	61,701	13,357	72,765	661,957	270,822	582,817	C.Y. 2018
2,336,037	2,949,754	56,846	12,551	59,225	648,550	267,620	571,570	C.Y. 2019
2,112,714	2,312,725	50,115	10,545	76,623	582,177	255,131	480,263	C.Y. 2020
2,417,213	2,040,925	57,836	12,412	160,992	483,802	282,811	513,624	C.Y. 2021
2,222,970	2,891,659	53,819	12,224	56,254	614,612	259,621	554,571	F.Y. 2019
2,275,732	2,267,260	51,734	10,397	92,388	582,297	264,844	481,505	F.Y. 2020
581,388	640,132	14,659	2,815	31,169	169,171	65,155	107,582	Q1 2021
587,250	513,734	14,881	4,050	24,349	128,816	67,955	132,237	Q2
625,572	452,311	13,491	2,740	49,087	94,960	74,732	149,746	Q3
623,003	434,748	14,805	2,807	56,387	90,855	74,969	124,059	Q4
210,396	224,311	5,063	884	12,225	57,362	25,849	47,539	Jan. 2021
199,677	197,278	4,548	936	9,491	53,578	19,584	35,591	Feb.
171,315	218,543	5,048	995	9,453	58,231	19,722	24,452	Mar.
174,125	230,637	4,751	2,179	6,728	52,580	23,872	35,009	Apr.
214,349	163,750	5,036	888	8,445	41,298	21,912	48,749	May
198,776	119,347	5,094	983	9,176	34,938	22,171	48,479	Jun.
211,217	129,702	4,773	977	11,886	31,737	23,715	51,480	Jul.
210,825	178,344	3,827	865	17,526	31,861	24,599	49,225	Aug.
203,530	144,265	4,891	898	19,675	31,362	26,418	49,041	Sep.
210,244	141,045	5,060	877	18,086	32,807	24,660	40,803	Oct.
203,574	142,747	5,006	983	22,380	26,599	24,302	37,430	Nov.
209,185	150,956	4,739	947	15,921	31,449	26,007	45,826	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分	Steam	うち受入分	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel		among those purchased		among those accepted	
1000m ³	t	t	1000kWh	1000kWh	t	t	
1,230,617	82,127	90,081	29,138,699	19,465,186	54,022,094	3,223,852	C.Y. 2017
1,233,997	84,118	96,080	30,021,117	20,354,111	54,762,469	3,212,972	C.Y. 2018
1,255,009	83,687	94,372	30,048,888	20,399,929	56,831,224	3,108,943	C.Y. 2019
1,081,686	94,677	101,066	28,088,203	19,023,776	51,593,330	2,940,351	C.Y. 2020
1,143,337	97,295	99,152	29,301,828	20,022,837	51,573,642	2,953,767	C.Y. 2021
1,242,753	87,563	94,863	29,734,827	20,243,634	55,747,742	3,094,279	F.Y. 2019
1,072,228	95,835	98,814	28,211,156	19,034,386	50,974,980	3,006,081	F.Y. 2020
316,612	26,286	24,514	7,290,137	4,867,757	13,913,154	831,538	Q1 2021
273,056	23,597	23,834	7,319,915	5,111,106	12,447,002	792,059	Q2
272,095	22,057	25,880	7,487,985	5,063,576	13,331,508	691,676	Q3
281,574	25,355	24,924	7,203,791	4,980,398	11,881,978	638,494	Q4
104,157	8,695	7,665	2,421,528	1,581,301	4,764,850	313,056	Jan. 2021
102,704	8,292	6,462	2,350,362	1,581,212	4,495,987	272,210	Feb.
109,752	9,299	10,387	2,518,247	1,705,244	4,652,317	246,272	Mar.
92,698	9,069	9,772	2,378,740	1,632,188	4,195,330	266,897	Apr.
83,202	6,245	8,778	2,413,837	1,696,046	4,050,504	275,446	May
97,156	8,283	5,284	2,527,338	1,782,872	4,201,168	249,716	Jun.
97,189	6,502	7,363	2,582,711	1,741,581	4,674,734	258,088	Jul.
85,189	7,124	8,622	2,477,975	1,653,834	4,668,962	239,272	Aug.
89,717	8,431	9,895	2,427,299	1,668,161	3,987,812	194,316	Sep.
84,172	9,337	7,076	2,389,400	1,687,256	3,610,653	173,957	Oct.
98,608	8,841	9,417	2,414,521	1,661,185	4,021,141	202,864	Nov.
98,794	7,177	8,431	2,399,870	1,631,957	4,250,184	261,673	Dec.

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)			
	Total (Crude petroleum equivalent)	うちネット (原油換算)	うち指定 生産品目分 (原油換算)	Fuel total total (Crude petroleum equivalent)	うちネット (原油換算)	石油系燃料計 (原油換算)	ガソリン Gasoline
		Net	Specified products		Net	Oil based fuels total	
		(Crude petroleum equivalent)	(Crude petroleum equivalent)		(Crude petroleum equivalent)	(Crude petroleum equivalent)	
kl	kl	kl	kl	kl	kl	kl	
平成 29 年	26,531,992	19,960,558	19,794,153	24,973,120	18,401,686	7,353,991	6,888
30	25,448,153	19,149,931	18,820,752	23,901,129	17,602,906	6,820,246	6,995
令和 1 年	25,116,335	18,912,779	18,606,018	23,614,701	17,411,145	7,052,175	6,456
2	22,758,813	17,291,501	16,499,688	21,439,618	15,972,306	6,547,123	5,091
3	22,923,042	17,502,916	16,966,725	21,530,194	16,110,068	6,412,420	5,190
令和 1 年度	25,231,183	19,001,045	18,592,948	23,770,577	17,540,439	7,141,342	6,384
2	22,361,127	17,070,358	16,273,081	21,054,621	15,763,853	6,468,887	5,044
3 年 1~3月	5,949,921	4,579,221	4,364,633	5,622,577	4,251,878	1,728,160	1,572
4~6	5,405,198	4,063,185	3,985,288	5,056,612	3,714,598	1,341,505	1,234
7~9	5,883,164	4,532,877	4,384,705	5,529,692	4,179,406	1,726,455	979
10~12	5,684,759	4,327,632	4,232,098	5,321,313	3,964,186	1,616,301	1,405
3 年 1月	2,033,307	1,569,066	1,495,420	1,925,304	1,461,064	596,265	479
2	1,872,149	1,432,989	1,355,184	1,769,043	1,329,882	542,810	488
3	2,044,465	1,577,167	1,514,029	1,928,230	1,460,932	589,085	605
4	1,835,324	1,386,493	1,356,563	1,717,736	1,268,905	467,912	442
5	1,806,209	1,348,050	1,326,006	1,691,363	1,233,204	432,312	342
6	1,763,665	1,328,642	1,302,718	1,647,512	1,212,489	441,281	450
7	2,006,467	1,551,023	1,514,433	1,886,454	1,431,010	598,027	441
8	2,025,550	1,570,238	1,517,305	1,906,378	1,451,066	623,483	304
9	1,851,146	1,411,616	1,352,967	1,736,860	1,297,330	504,945	234
10	1,854,781	1,396,502	1,367,812	1,727,530	1,269,251	491,717	342
11	1,819,034	1,373,186	1,347,718	1,702,019	1,256,171	510,618	540
12	2,010,944	1,557,943	1,516,568	1,891,764	1,438,764	613,966	523

年 月	燃料計(つづき) Fuel total (continued)						
	石油系燃料計(つづき) Oil based fuels total (continued)				非石油系燃料計 (原油換算)		
	石油系炭化 水素ガス Hydrocarbon gas	オイルコークス Petroleum coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	Non-oil based fuels total (Crude petroleum equivalent)	石炭 Coal	主要燃料 石炭コークス Coal coke
	1000m ³	t	t	kl	kl	t	t
平成 29 年	1,404,099	134,581	-	35,470	17,619,129	12,030,903	4,603,313
30	1,406,758	72,479	-	33,377	17,080,883	12,035,278	4,204,646
令和 1 年	1,389,450	120,647	14,629	34,237	16,562,526	11,591,954	4,233,130
2	1,400,344	88,230	104,511	34,512	14,892,495	10,617,227	3,585,142
3	1,165,823	55,962	-	37,614	15,117,773	10,638,233	3,435,234
令和 1 年度	1,419,545	137,727	72,760	34,184	16,629,235	11,746,270	4,221,207
2	1,338,684	68,946	46,380	35,696	14,585,734	10,392,319	3,398,270
3 年 1~3月	321,565	19,363	-	8,919	3,894,416	2,792,826	839,411
4~6	241,175	13,039	-	9,699	3,715,107	2,563,902	864,135
7~9	306,441	13,687	-	9,094	3,803,238	2,665,452	873,377
10~12	296,642	9,873	-	9,902	3,705,012	2,616,053	858,311
3 年 1月	111,496	7,015	-	1,803	1,329,039	953,548	289,387
2	102,065	4,224	-	3,404	1,226,232	880,934	264,608
3	108,004	8,124	-	3,712	1,339,145	958,344	285,416
4	75,916	8,001	-	3,414	1,249,825	858,792	281,734
5	84,079	899	-	2,657	1,259,051	878,186	295,923
6	81,180	4,139	-	3,628	1,206,231	826,924	286,478
7	112,588	5,438	-	3,494	1,288,427	894,429	299,757
8	117,743	5,510	-	2,379	1,282,896	895,196	295,299
9	76,110	2,739	-	3,221	1,231,915	875,827	278,321
10	83,115	4,207	-	3,540	1,235,813	864,440	287,884
11	93,731	1,436	-	3,167	1,191,401	839,249	280,789
12	119,796	4,230	-	3,195	1,277,798	912,364	289,638

ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	Year, Quarter &Month
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
1,939,279	2,277,348	13,842	11,567	44,324	840,504	173,040	504,487	C.Y. 2017
1,563,449	2,283,065	29,344	12,337	46,927	695,060	173,108	484,422	C.Y. 2018
1,910,587	2,115,958	20,781	9,717	43,462	751,252	180,321	480,321	C.Y. 2019
2,260,471	1,215,453	20,441	7,775	39,588	737,049	160,459	456,912	C.Y. 2020
2,057,208	1,697,422	16,660	11,452	36,357	676,408	158,132	446,899	C.Y. 2021
2,050,792	1,973,659	19,055	9,564	39,570	744,518	178,317	482,037	F.Y. 2019
2,206,613	1,393,849	22,063	7,893	38,745	690,120	151,356	447,214	F.Y. 2020
549,250	492,471	3,656	2,302	9,329	164,610	35,693	112,685	Q1 2021
483,356	293,393	6,315	4,372	9,736	117,286	40,018	109,564	Q2
470,259	545,857	3,521	2,328	8,249	196,014	41,303	117,621	Q3
554,343	365,701	3,168	2,450	9,043	198,498	41,118	107,029	Q4
195,173	162,488	2,151	669	3,691	58,978	12,327	37,646	Jan. 2021
160,926	169,832	828	855	2,757	49,454	12,085	34,030	Feb.
193,151	160,151	677	778	2,881	56,178	11,281	41,009	Mar.
167,169	96,349	671	734	2,924	52,330	16,405	39,812	Apr.
155,485	86,672	4,017	1,436	2,621	41,234	9,064	36,057	May
160,702	110,372	1,627	2,202	4,191	23,722	14,549	33,695	Jun.
168,044	195,820	2,633	828	2,707	51,525	14,416	38,066	Jul.
149,608	206,547	455	738	3,065	71,832	14,048	43,186	Aug.
152,607	143,490	433	762	2,477	72,657	12,839	36,369	Sep.
180,010	89,450	512	697	3,380	71,535	14,286	34,924	Oct.
187,022	101,215	539	876	2,737	66,922	12,034	34,143	Nov.
187,311	175,036	2,117	877	2,926	60,041	14,798	37,962	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分	Steam	うち受入分	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel						among those purchased	among those accepted
1000m ³	t	t	1000kWh	1000kWh	t	t	
1,873,735	4,915	21,366	24,374,935	13,797,577	51,012,755	3,982,306	C.Y. 2017
1,835,159	5,437	21,149	23,889,907	13,770,989	48,365,107	3,847,070	C.Y. 2018
1,742,163	5,687	21,613	22,987,819	13,248,279	47,897,944	3,894,086	C.Y. 2019
1,603,601	5,097	17,171	21,239,807	11,562,547	47,659,253	3,522,880	C.Y. 2020
1,711,201	7,929	7,558	22,159,554	12,426,355	43,877,263	3,425,885	C.Y. 2021
1,711,318	5,639	21,193	22,648,790	12,844,200	49,226,616	3,843,948	F.Y. 2019
1,620,158	5,601	13,380	21,180,186	11,420,474	46,195,389	3,530,517	F.Y. 2020
447,394	1,490	1,775	5,496,172	2,886,471	11,783,480	850,779	Q1 2021
428,203	2,237	2,057	5,363,463	3,130,612	10,595,589	829,551	Q2
420,365	1,727	2,052	5,667,183	3,161,352	10,973,770	858,819	Q3
415,238	2,475	1,674	5,632,736	3,247,920	10,524,424	886,736	Q4
152,251	169	416	1,849,555	924,660	4,004,928	317,975	Jan. 2021
140,344	616	677	1,746,193	940,740	3,624,414	225,521	Feb.
154,800	705	682	1,900,424	1,021,071	4,154,138	307,283	Mar.
149,483	738	691	1,802,778	1,042,290	3,716,450	298,378	Apr.
140,819	589	697	1,772,342	1,024,356	3,649,240	282,809	May
137,900	910	669	1,788,343	1,063,966	3,229,899	248,364	Jun.
139,541	798	677	1,937,716	1,069,753	3,697,129	296,443	Jul.
141,542	296	685	1,905,116	1,059,000	3,795,235	298,801	Aug.
139,282	633	690	1,824,351	1,032,599	3,481,406	263,575	Sep.
137,996	788	539	1,920,438	1,148,921	3,434,669	294,629	Oct.
134,059	855	764	1,796,424	1,039,316	3,366,430	294,062	Nov.
143,183	832	371	1,915,874	1,059,683	3,723,325	298,045	Dec.

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)			
	Total (Crude petroleum equivalent) kl	うちネット (原油換算)	うち指定 生産品目分 (原油換算)	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算)	石油系燃料計 (原油換算)	ガソリン Gasoline kl
		Net	Specified products		Net	Oil based fuels total	
		(Crude petroleum equivalent) kl	(Crude petroleum equivalent) kl		(Crude petroleum equivalent) kl	(Crude petroleum equivalent) kl	
平成 29 年	47,524,287	35,900,046	34,646,366	45,350,055	33,725,814	16,308,691	1,414
30	47,250,916	36,067,973	34,544,847	44,979,237	33,796,293	16,600,092	1,530
令和 1 年	45,194,513	34,414,759	32,937,226	43,058,545	32,278,791	15,580,794	1,421
2	41,103,622	31,439,344	29,411,200	39,056,675	29,392,397	14,444,864	1,213
3	43,446,191	33,270,191	31,217,078	41,301,807	31,125,806	15,370,354	1,137
令和 1 年度	44,888,664	34,084,733	32,619,684	42,759,497	31,955,565	15,134,222	1,398
2	40,818,352	31,319,291	29,236,852	38,778,580	29,279,519	14,606,579	1,138
3 年 1~3月	10,807,413	8,298,191	7,808,522	10,276,886	7,767,664	3,800,881	260
4~6	10,249,989	7,720,232	7,284,005	9,748,216	7,218,459	3,351,055	235
7~9	11,314,639	8,713,864	8,193,151	10,753,981	8,153,206	4,042,598	297
10~12	11,074,150	8,537,903	7,931,401	10,522,724	7,986,477	4,175,819	345
3 年 1月	3,849,022	2,978,295	2,791,425	3,667,135	2,796,408	1,425,376	99
2	3,314,917	2,544,648	2,390,340	3,150,254	2,379,986	1,172,862	82
3	3,643,475	2,775,248	2,626,757	3,459,497	2,591,270	1,202,643	79
4	3,500,879	2,678,244	2,485,082	3,326,180	2,503,545	1,184,425	97
5	3,459,565	2,587,649	2,460,274	3,293,530	2,421,614	1,118,626	61
6	3,289,545	2,454,339	2,338,648	3,128,506	2,293,299	1,048,004	77
7	3,649,415	2,766,000	2,607,876	3,465,123	2,581,708	1,237,509	106
8	3,890,089	3,014,016	2,824,195	3,702,948	2,826,875	1,415,706	77
9	3,775,135	2,933,849	2,761,079	3,585,910	2,744,623	1,389,383	114
10	3,708,979	2,853,931	2,667,826	3,525,131	2,670,083	1,390,486	115
11	3,555,108	2,728,333	2,527,730	3,371,445	2,544,670	1,333,438	104
12	3,810,064	2,955,639	2,735,845	3,626,149	2,771,724	1,451,895	126

年 月	燃料計(つづき)Fuel total (continued)						
	石油系燃料計(つづき)Oil based fuels total (continued)				非石油系燃料計		
	石油系炭化 水素ガス	オイルコークス	アスファルト	再生油 (石油由来)	(原油換算) Non-oil based fuels total (Crude petroleum equivalent)	石炭	石炭コークス
	Hydrocarbon gas 1000m ³	Petroleum coke t	Asphalt t	Reproduction oil (Oil origin) kl	(Crude petroleum equivalent) kl	Coal t	Coal coke t
平成 29 年	2,746,691	1,219,422	-	387	29,041,364	22,432,345	9,536,028
30	2,761,231	1,301,546	-	3,297	28,379,144	21,897,781	9,342,348
令和 1 年	2,572,737	1,426,585	-	5,222	27,477,752	20,972,755	9,180,823
2	2,329,612	1,145,239	-	10,635	24,611,810	19,396,881	7,712,273
3	2,486,677	1,230,422	-	16,747	25,931,453	20,748,210	7,791,295
令和 1 年度	2,440,346	1,282,595	-	5,417	27,625,275	21,250,258	9,144,084
2	2,381,932	1,185,677	-	12,838	24,172,001	19,107,468	7,462,979
3 年 1~3月	603,840	268,066	-	3,674	6,476,005	5,099,396	1,990,979
4~6	540,258	287,459	-	5,177	6,397,160	5,027,805	1,976,364
7~9	657,056	360,861	-	4,076	6,711,383	5,374,539	2,023,258
10~12	685,523	314,036	-	3,820	6,346,905	5,246,470	1,800,694
3 年 1月	216,912	109,527	-	892	2,241,759	1,753,569	695,284
2	192,858	81,881	-	1,325	1,977,393	1,576,493	603,551
3	194,070	76,658	-	1,457	2,256,854	1,769,334	692,144
4	193,636	70,757	-	1,817	2,141,754	1,729,124	647,279
5	181,698	101,481	-	1,975	2,174,904	1,702,644	673,545
6	164,924	115,221	-	1,385	2,080,502	1,596,037	655,540
7	206,168	105,892	-	1,372	2,227,614	1,758,013	690,355
8	232,542	135,082	-	1,369	2,287,241	1,829,503	685,502
9	218,346	119,887	-	1,335	2,196,527	1,787,023	647,401
10	222,936	84,416	-	1,656	2,134,645	1,815,360	577,744
11	224,477	115,223	-	1,188	2,038,007	1,678,715	587,733
12	238,110	114,397	-	976	2,174,254	1,752,395	635,217

ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	Year, Quarter &Month
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
6,307,268	3,753,044	587,196	9,808	157,050	1,114,002	389,230	720,330	C.Y. 2017
6,520,927	4,056,620	488,088	7,660	147,761	1,002,607	396,055	694,274	C.Y. 2018
6,218,729	3,304,469	630,463	7,426	119,497	927,174	362,675	737,712	C.Y. 2019
5,580,429	3,329,332	587,892	7,539	137,055	974,032	411,804	591,680	C.Y. 2020
5,848,764	3,607,064	447,141	7,191	123,140	958,015	381,898	664,685	C.Y. 2021
6,285,949	3,095,362	550,146	7,777	120,636	994,110	365,021	698,899	F.Y. 2019
5,584,691	3,374,348	591,968	7,203	135,040	917,491	414,262	600,494	F.Y. 2020
1,615,092	790,185	101,925	1,809	31,403	234,368	101,109	158,720	Q1 2021
1,207,563	832,702	71,550	1,968	32,388	230,259	69,378	154,175	Q2
1,497,428	971,802	151,112	1,760	29,920	222,482	96,478	164,249	Q3
1,528,681	1,012,375	122,554	1,654	29,429	270,906	114,933	187,541	Q4
574,975	305,869	61,022	596	10,399	91,996	35,571	60,597	Jan. 2021
509,646	234,206	37,369	644	9,731	60,862	31,049	46,994	Feb.
530,471	250,110	3,534	569	11,273	81,510	34,489	51,129	Mar.
515,042	263,995	3,475	671	12,574	79,384	31,763	44,941	Apr.
386,625	287,080	18,954	586	9,337	78,775	23,434	54,028	May
305,896	281,627	49,121	711	10,477	72,100	14,181	55,206	Jun.
416,228	320,636	32,478	553	9,619	88,015	27,621	55,125	Jul.
539,660	320,639	59,875	686	9,251	66,082	35,594	56,662	Aug.
541,540	330,527	58,759	521	11,050	68,385	33,263	52,462	Sep.
541,630	334,205	52,111	518	9,202	81,526	34,496	63,758	Oct.
459,478	337,655	14,403	553	10,773	95,789	39,444	60,687	Nov.
527,573	340,515	56,040	583	9,454	93,591	40,993	63,096	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分 among those purchased	Steam	うち受入分 among those accepted	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel						1000kWh	1000kWh	t	t
341,552	26,382	8,804	36,962,635	18,307,365	120,561,773	6,817,291	C.Y. 2017
436,643	27,342	12,744	36,137,139	19,089,351	118,544,644	7,174,703	C.Y. 2018
472,848	26,920	9,800	35,643,386	18,559,606	118,170,129	5,924,247	C.Y. 2019
438,006	25,511	49,024	33,684,790	17,538,615	111,946,336	6,010,409	C.Y. 2020
490,303	35,907	105,043	35,207,651	18,712,528	109,292,090	5,840,215	C.Y. 2021
481,066	30,460	7,298	35,516,301	18,595,459	118,035,328	5,777,620	F.Y. 2019
438,608	27,554	80,088	33,542,670	17,460,548	110,063,183	6,011,655	F.Y. 2020
127,589	9,750	32,449	8,706,572	4,490,172	27,972,366	1,632,443	Q1 2021
126,585	9,499	19,330	8,285,669	4,605,722	24,925,960	1,060,944	Q2
121,713	9,635	30,027	9,324,164	4,937,860	28,608,343	1,465,854	Q3
114,416	7,023	23,237	8,891,246	4,678,774	27,785,421	1,680,974	Q4
44,272	3,137	10,921	3,022,869	1,533,642	10,092,427	567,446	Jan. 2021
38,539	3,008	11,189	2,715,957	1,389,873	8,664,618	511,734	Feb.
44,778	3,605	10,339	2,967,746	1,566,657	9,215,321	553,263	Mar.
42,205	3,524	2,246	2,863,804	1,520,716	8,756,304	480,849	Apr.
43,255	3,173	6,367	2,730,837	1,535,054	8,296,572	336,204	May
41,125	2,802	10,717	2,691,028	1,549,952	7,873,084	243,891	Jun.
41,288	3,455	9,289	3,042,364	1,646,685	9,144,123	450,102	Jul.
40,718	2,726	11,957	3,189,389	1,635,883	10,072,504	505,859	Aug.
39,707	3,454	8,781	3,092,411	1,655,292	9,391,716	509,893	Sep.
35,978	3,381	4,925	2,940,817	1,577,893	8,827,152	536,258	Oct.
37,060	2,029	7,832	2,909,596	1,570,835	8,959,456	543,088	Nov.
41,378	1,613	10,480	3,040,833	1,530,046	9,998,813	601,628	Dec.

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)			
	Total (Crude petroleum equivalent) kl	うちネット (原油換算)	うち指定 生産品目分 (原油換算)	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算)	石油系燃料計 (原油換算)	ガソリン Gasoline kl
		Net (Crude petroleum equivalent) kl	Specified products (Crude petroleum equivalent) kl		Net (Crude petroleum equivalent) kl	Oil based fuels total (Crude petroleum equivalent) kl	
平成 29 年	9,930,717	6,326,322	4,981,613	9,285,373	5,680,978	2,752,459	120
30	9,667,913	5,975,775	4,543,883	9,001,381	5,309,242	2,292,530	146
令和 1 年	9,923,060	6,232,381	4,842,346	9,266,255	5,575,575	2,760,390	169
2	8,818,260	5,854,824	4,542,198	8,187,405	5,223,969	2,550,212	139
3	9,102,409	6,213,915	4,729,901	8,462,557	5,574,062	2,578,705	185
令和 1 年度	9,790,568	6,251,061	4,863,112	9,135,516	5,596,009	2,784,229	182
2	8,791,015	5,848,803	4,517,121	8,167,517	5,225,305	2,520,019	169
3 年 1~3月	2,322,196	1,565,621	1,191,344	2,166,031	1,409,456	653,181	68
4~6	2,327,482	1,533,803	1,170,902	2,162,252	1,368,572	623,377	46
7~9	2,233,556	1,543,811	1,172,571	2,078,736	1,388,991	639,952	32
10~12	2,219,175	1,570,680	1,195,084	2,055,537	1,407,042	662,196	39
3 年 1月	801,162	541,946	406,987	745,040	485,825	228,233	23
2	734,945	498,856	378,639	684,232	448,144	206,738	22
3	786,090	524,819	405,717	736,759	475,488	218,210	23
4	764,072	499,835	381,542	709,819	445,582	214,265	9
5	831,057	556,190	426,582	774,521	499,654	234,096	27
6	732,354	477,778	362,778	677,912	423,336	175,016	10
7	729,285	490,294	375,812	676,170	437,179	190,082	11
8	768,383	534,496	407,403	716,052	482,164	235,928	10
9	735,887	519,022	389,356	686,514	469,648	213,942	11
10	734,036	511,129	388,091	680,613	457,707	220,638	10
11	734,598	521,399	395,709	681,131	467,932	218,120	9
12	750,542	538,151	411,284	693,794	481,403	223,438	20

年 月	燃料計(つづき)Fuel total (continued)						
	石油系燃料計(つづき)Oil based fuels total (continued)				非石油系燃料計 (原油換算)		
	石油系炭化 水素ガス	オイルコークス	アスファルト	再生油 (石油由来)	Non-oil based fuels total (Crude petroleum equivalent)	石炭	石炭コークス
	Hydrocarbon gas 1000m ³	Petroleum coke t	Asphalt t	Reproduction oil (Oil origin) kl	kl	Coal t	Coal coke t
平成 29 年	447,409	148,474	-	2,033	6,532,914	7,549,672	140,912
30	321,020	137,522	-	2,854	6,708,851	7,728,046	148,308
令和 1 年	409,368	160,899	-	4,043	6,505,865	7,584,542	133,808
2	377,679	155,025	-	3,338	5,637,193	6,424,813	152,594
3	382,179	133,802	-	3,726	5,883,852	6,522,165	146,376
令和 1 年度	413,271	173,713	-	4,306	6,351,287	7,367,039	132,009
2	371,086	140,844	-	3,182	5,647,498	6,404,052	155,264
3 年 1~3月	92,875	29,132	-	784	1,512,850	1,699,171	37,285
4~6	93,646	34,859	-	1,150	1,538,875	1,707,716	37,353
7~9	94,012	36,670	-	831	1,438,784	1,627,438	25,979
10~12	101,646	33,141	-	961	1,393,342	1,487,840	45,759
3 年 1月	32,567	6,215	-	212	516,807	581,008	13,148
2	28,972	10,814	-	280	477,494	529,483	12,151
3	31,336	12,103	-	292	518,549	588,680	11,986
4	32,059	9,303	-	412	495,554	540,000	12,213
5	35,869	11,018	-	360	540,425	600,561	12,818
6	25,718	14,538	-	378	502,896	567,155	12,322
7	25,954	11,848	-	267	486,088	563,780	11,327
8	34,947	11,391	-	254	480,124	541,108	8,418
9	33,111	13,431	-	310	472,572	522,550	6,234
10	34,308	13,207	-	364	459,975	488,983	14,917
11	33,153	9,959	-	328	463,011	498,596	15,430
12	34,185	9,975	-	269	470,356	500,261	15,412

ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl	軽油 Gas oil kl	A重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス Liquefied petroleum gas kl	Year, Quarter &Month
3,446	1,772,673	17,077	3,081	37,570	279,333	31,183	85,574	C.Y. 2017
7,852	1,416,988	28,036	3,284	35,315	282,883	33,766	84,138	C.Y. 2018
5,154	1,755,982	16,602	3,300	51,009	305,037	31,550	95,038	C.Y. 2019
4,841	1,606,954	18,296	3,220	36,287	285,322	30,182	97,700	C.Y. 2020
8,152	1,642,902	17,662	3,490	35,654	272,187	38,133	99,567	C.Y. 2021
5,272	1,778,694	15,327	3,350	47,198	296,473	31,958	96,764	F.Y. 2019
4,517	1,587,164	18,826	3,393	36,705	289,409	30,471	97,865	F.Y. 2020
498	424,845	3,128	946	9,897	72,428	7,447	26,808	Q1 2021
3,976	395,380	3,407	849	8,214	63,102	10,059	23,296	Q2
3,142	405,837	7,803	839	7,710	65,293	11,428	22,584	Q3
536	416,840	3,324	856	9,833	71,364	9,199	26,879	Q4
207	147,240	1,255	312	3,219	28,686	3,012	9,662	Jan. 2021
-	135,267	1,046	301	3,143	22,760	1,923	7,832	Feb.
291	142,338	827	333	3,535	20,982	2,512	9,314	Mar.
124	142,032	1,133	268	2,979	19,350	2,931	8,907	Apr.
1,176	152,847	1,289	305	2,535	22,144	3,552	8,639	May
2,676	100,501	985	276	2,700	21,608	3,576	5,750	Jun.
1,967	118,279	4,570	285	2,500	19,626	3,386	6,879	Jul.
679	152,043	1,344	280	2,569	25,465	3,741	8,743	Aug.
496	135,515	1,889	274	2,641	20,202	4,301	6,962	Sep.
31	136,885	885	263	2,918	23,709	3,053	9,005	Oct.
262	135,575	1,187	251	3,711	25,573	2,578	9,149	Nov.
243	144,380	1,252	342	3,204	22,082	3,568	8,725	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B) Town gas(B) 1000m ³	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
16,633	2,251	85,933	11,043,071	4,807,892	48,695,551	2,865,955	C.Y. 2017
15,367	2,076	89,400	11,017,524	5,016,006	48,292,996	2,892,403	C.Y. 2018
18,863	1,430	75,335	10,945,056	4,875,434	47,749,260	2,940,865	C.Y. 2019
17,089	1,147	69,039	10,433,462	4,802,298	45,458,256	2,663,852	C.Y. 2020
14,526	456	97,200	10,761,416	4,786,669	47,691,870	2,815,059	C.Y. 2021
19,147	1,510	70,892	10,949,282	4,891,521	47,874,637	2,893,841	F.Y. 2019
15,297	851	73,057	10,361,255	4,727,936	45,388,407	2,657,493	F.Y. 2020
2,890	115	21,177	2,630,832	1,147,563	12,075,682	714,900	Q1 2021
4,580	118	23,170	2,726,639	1,268,385	11,465,722	683,449	Q2
3,351	83	27,487	2,713,859	1,161,997	12,284,643	676,012	Q3
3,705	140	25,366	2,690,086	1,208,724	11,865,823	740,698	Q4
1,079	34	5,268	901,374	403,716	4,162,690	268,608	Jan. 2021
807	25	7,126	841,385	367,452	3,874,940	239,155	Feb.
1,004	56	8,783	888,073	376,395	4,038,052	207,137	Mar.
1,118	31	7,680	880,596	423,260	3,672,057	215,272	Apr.
1,793	61	8,581	942,918	426,929	3,974,853	243,360	May
1,669	26	6,909	903,125	418,196	3,818,812	224,817	Jun.
1,146	20	8,393	924,445	403,771	4,131,601	225,039	Jul.
1,178	48	9,347	907,446	392,916	4,114,957	228,306	Aug.
1,027	15	9,747	881,968	365,310	4,038,085	222,667	Sep.
1,287	45	7,960	913,121	401,287	4,047,648	232,829	Oct.
1,198	33	9,303	882,587	389,967	3,909,039	248,707	Nov.
1,220	62	8,103	894,378	417,470	3,909,136	259,162	Dec.

8)九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

年 月	合計 (原油換算)			燃料計 (原油換算)			
	Total (Crude petroleum equivalent) kl	うちネット (原油換算)	うち指定 生産品目分 (原油換算)	Fuel total (Crude petroleum equivalent) kl	うちネット (原油換算)	石油系燃料計 (原油換算)	ガソリン Gasoline kl
		Net	Specified products		Net	Oil based fuels total	
		(Crude petroleum equivalent) kl	(Crude petroleum equivalent) kl		(Crude petroleum equivalent) kl	(Crude petroleum equivalent) kl	
平成 29 年	26,158,969	17,597,516	16,840,812	24,458,858	15,897,406	6,532,188	12,533
30	25,389,105	16,857,562	16,160,767	23,665,064	15,133,521	5,769,413	12,932
令和 1 年	25,711,676	17,445,968	16,859,969	24,079,946	15,814,238	6,419,160	12,911
2	23,135,931	15,181,515	14,577,479	21,579,945	13,625,529	5,204,845	11,313
3	23,800,088	16,003,458	15,375,901	22,188,271	14,391,640	5,293,731	11,031
令和 1 年度	25,470,638	17,233,671	16,632,297	23,846,673	15,609,706	6,372,570	12,504
2	22,737,551	14,887,749	14,303,965	21,189,200	13,339,398	4,892,303	11,702
3 年 1~3月	5,877,133	3,907,042	3,744,792	5,485,131	3,515,041	1,216,068	3,387
4~6	5,859,294	3,877,270	3,750,968	5,468,166	3,486,141	1,187,203	2,967
7~9	5,855,531	3,943,612	3,797,646	5,453,538	3,541,618	1,315,088	2,349
10~12	6,208,130	4,275,533	4,082,495	5,781,436	3,848,839	1,575,372	2,328
3 年 1月	2,021,475	1,327,704	1,278,653	1,884,946	1,191,175	409,883	1,082
2	1,859,970	1,246,973	1,178,550	1,737,859	1,124,862	389,065	1,038
3	1,995,688	1,332,366	1,287,589	1,862,326	1,199,004	417,121	1,267
4	1,941,838	1,291,364	1,239,904	1,815,263	1,164,789	401,281	1,159
5	2,000,810	1,326,937	1,287,914	1,870,273	1,196,401	416,645	736
6	1,916,646	1,258,968	1,223,150	1,782,629	1,124,951	369,277	1,072
7	1,966,545	1,303,021	1,257,712	1,833,814	1,170,289	397,515	1,079
8	1,895,243	1,269,835	1,228,598	1,762,951	1,137,543	403,801	701
9	1,993,744	1,370,757	1,311,336	1,856,773	1,233,787	513,772	569
10	2,043,491	1,399,986	1,354,318	1,901,351	1,257,846	511,217	623
11	2,029,080	1,382,357	1,333,466	1,887,527	1,240,805	518,768	858
12	2,135,560	1,493,190	1,394,710	1,992,558	1,350,188	545,387	847

年 月	燃料計(つづき)Fuel total (continued)							
	石油系燃料計(つづき)Oil based fuels total (continued)				非石油系燃料計		主要燃料	
	石油系炭化 水素ガス	オイルコークス	アスファルト	再生油 (石油由来)	Non-oil based fuels total (原油換算)	石炭	石炭コークス	
	Hydrocarbon gas 1000m ³	Petroleum coke t	Asphalt t	Reproduction oil (Oil origin) kl	Non-oil based fuels total (Crude petroleum equivalent) kl	Coal t	Coal coke t	
平成 29 年	470,221	915,804	219,570	70,432	17,926,670	15,132,234	5,001,319	
30	379,335	923,581	172,930	74,254	17,895,651	14,901,435	5,141,399	
令和 1 年	449,589	908,513	161,654	74,483	17,660,786	14,451,297	5,155,647	
2	239,272	925,453	62,526	76,672	16,375,100	13,701,366	4,668,836	
3	250,846	706,145	57,014	77,306	16,894,540	14,076,850	4,758,242	
令和 1 年度	448,183	967,404	176,749	74,461	17,474,103	14,383,827	5,077,521	
2	176,745	800,006	22,144	77,223	16,296,896	13,688,668	4,607,680	
3 年 1~3月	45,365	140,576	6,838	18,390	4,269,063	3,610,280	1,172,549	
4~6	41,231	137,863	-	18,205	4,280,963	3,558,586	1,203,919	
7~9	57,260	199,523	7,807	17,882	4,138,450	3,397,109	1,182,568	
10~12	106,990	228,183	42,369	22,829	4,206,064	3,510,875	1,199,206	
3 年 1月	16,299	34,988	3,507	5,825	1,475,064	1,249,753	406,752	
2	15,045	43,054	3,331	6,382	1,348,794	1,149,373	370,714	
3	14,021	62,534	-	6,183	1,445,205	1,211,154	395,083	
4	13,438	57,707	-	6,632	1,413,982	1,168,898	395,314	
5	15,161	54,348	-	6,334	1,453,628	1,194,807	424,576	
6	12,632	25,808	-	5,239	1,413,352	1,194,881	384,029	
7	11,439	50,776	-	6,172	1,436,299	1,185,052	406,130	
8	14,246	66,678	-	6,645	1,359,150	1,111,496	389,710	
9	31,575	82,069	7,807	5,065	1,343,001	1,100,561	386,728	
10	34,015	69,956	8,989	7,676	1,390,134	1,155,134	406,952	
11	34,735	79,055	12,990	7,721	1,368,759	1,128,861	407,829	
12	38,240	79,172	20,390	7,432	1,447,171	1,226,880	384,425	

ナフサ								Year, Quarter &Month
ナフサ	改質生成油	灯油	軽油	A重油	B・C重油	炭化水素油	液化石油ガス	
Naphtha	Oil produced by conversion	Kerosene	Gas oil	Heavy fuel oil A	Heavy fuel oil B・C	Hydrocarbon oil	Liquefied petroleum gas	
kl	kl	kl	kl	kl	kl	kl	t	
2,965,386	1,324,307	31,640	5,305	53,690	240,217	45,163	390,012	C.Y. 2017
2,523,216	1,073,329	31,454	5,332	61,217	245,111	48,764	408,931	C.Y. 2018
3,102,311	1,331,702	27,459	5,888	49,634	225,883	64,150	441,720	C.Y. 2019
3,177,378	561,870	23,754	5,578	50,509	222,928	64,596	303,029	C.Y. 2020
3,348,631	625,944	23,102	5,038	46,009	222,506	69,964	219,265	C.Y. 2021
3,043,845	1,294,417	26,246	6,087	50,897	225,823	71,099	424,450	F.Y. 2019
3,357,429	348,253	22,450	5,354	48,937	219,665	62,786	255,340	F.Y. 2020
912,797	84,802	5,279	1,360	11,020	51,817	16,432	43,717	Q1 2021
863,190	84,205	5,773	1,267	10,666	55,153	15,335	64,771	Q2
844,596	153,859	5,492	1,278	11,311	58,551	18,318	56,610	Q3
728,048	303,078	6,558	1,133	13,012	56,985	19,879	54,167	Q4
319,841	27,314	2,064	458	4,554	17,926	6,286	12,245	Jan. 2021
292,068	28,274	1,592	442	3,025	16,473	5,085	13,331	Feb.
300,888	29,214	1,623	460	3,441	17,418	5,061	18,141	Mar.
281,979	27,946	1,579	416	3,421	20,410	4,831	20,608	Apr.
297,855	30,895	1,992	388	3,753	16,860	5,647	22,713	May
283,356	25,364	2,202	463	3,492	17,883	4,857	21,450	Jun.
289,362	23,349	2,076	502	4,177	16,851	5,524	24,350	Jul.
279,940	24,032	1,800	386	3,582	22,439	7,053	16,322	Aug.
275,294	106,478	1,616	390	3,552	19,261	5,741	15,938	Sep.
226,042	94,758	1,908	383	4,066	21,120	6,204	19,411	Oct.
228,478	103,189	2,230	358	5,081	17,397	6,573	15,845	Nov.
273,528	105,131	2,420	392	3,865	18,468	7,102	18,911	Dec.

Main fuel			電力		蒸気		Year, Quarter &Month
都市ガス(B)	廃プラスチック	RPF	Electricity	うち購入分	Steam	うち受入分	
Town gas(B)	Waste plastic	Refuse Paper & Plastic Fuel						among those purchased	among those accepted
1000m ³	t	t	1000kWh	1000kWh	t	t	
112,304	173,679	-	18,517,301	13,683,810	39,983,141	5,786,655	C.Y. 2017
114,305	190,593	-	18,749,830	13,794,445	39,295,576	5,954,900	C.Y. 2018
116,105	200,322	-	18,509,753	13,249,661	38,376,874	5,397,285	C.Y. 2019
112,782	205,575	-	17,350,856	12,799,102	33,706,956	5,005,384	C.Y. 2020
133,507	197,992	-	17,858,841	13,174,199	33,881,060	5,338,910	C.Y. 2021
113,309	207,830	-	18,396,289	13,229,978	38,446,364	5,335,365	F.Y. 2019
113,815	201,440	-	17,195,487	12,787,620	32,455,840	4,925,337	F.Y. 2020
33,040	50,340	-	4,305,611	3,180,759	8,437,720	1,344,247	Q1 2021
31,784	47,035	-	4,365,570	3,206,505	7,696,313	1,283,935	Q2
33,251	49,305	-	4,622,762	3,350,051	8,622,284	1,217,549	Q3
35,433	51,312	-	4,564,898	3,436,884	9,124,743	1,493,179	Q4
12,290	16,104	-	1,480,349	1,094,462	2,848,737	486,949	Jan. 2021
10,444	16,106	-	1,312,983	976,279	2,618,014	440,521	Feb.
10,305	18,130	-	1,512,279	1,110,018	2,970,969	416,777	Mar.
10,178	17,108	-	1,467,687	1,056,008	2,744,249	393,847	Apr.
10,028	17,216	-	1,445,694	1,058,259	2,522,167	445,784	May
11,577	12,711	-	1,452,189	1,092,238	2,429,897	444,304	Jun.
12,374	16,253	-	1,588,890	1,140,725	2,838,920	355,327	Jul.
10,713	15,651	-	1,534,280	1,104,952	2,807,086	394,972	Aug.
10,163	17,401	-	1,499,592	1,104,374	2,976,278	467,250	Sep.
10,208	17,362	-	1,547,524	1,162,311	3,049,960	471,750	Oct.
11,688	16,292	-	1,472,628	1,145,177	2,767,799	489,092	Nov.
13,538	17,658	-	1,544,746	1,129,396	3,306,984	532,337	Dec.

都道府県別エネルギー消費量

都道府県		エネルギー消費量 (原油換算千kl)					
		平成2年			平成3年		
		合計	燃料	電力	合計	燃料	電力
全国計		185,522	173,666	9,709	197,612	185,106	10,374
北海道		5,206	5,000	139	6,113	5,866	156
青森県		930	849	85	1,005	910	97
岩手県		578	542	41	587	549	43
宮城県		2,314	2,242	65	2,208	2,116	79
秋田県		405	279	107	409	278	111
山形県		47	12	29	52	14	33
福島県		390	325	72	409	346	71
茨城県		10,215	9,269	626	12,744	11,674	721
栃木県		406	292	114	416	295	121
群馬県		254	121	134	268	127	141
埼玉県		846	713	145	817	673	158
千葉県		29,145	27,959	848	30,770	29,546	931
東京都		160	115	45	167	122	45
神奈川県		15,304	14,709	326	17,907	17,300	334
新潟県		1,684	1,513	159	1,824	1,626	220
富山県		534	405	124	587	452	133
石川県		51	22	29	53	22	31
福井県		327	269	58	340	278	62
山梨県		42	18	23	44	18	26
長野県		144	102	42	149	104	45
岐阜県		787	625	123	801	634	125
静岡県		1,545	1,250	190	1,548	1,250	197
愛知県		11,171	10,174	966	11,545	10,486	1,033
三重県		7,550	6,866	550	7,916	7,214	564
滋賀県		363	276	78	353	252	91
京都府		321	272	48	344	291	53
大阪府		5,697	5,319	378	5,628	5,251	378
兵庫県		10,777	10,191	502	11,549	10,883	602
奈良県		2	0	2	2	0	2
和歌山県		5,271	5,112	130	4,708	4,576	107
鳥取県		363	345	18	475	456	18
島根県		158	77	82	176	84	92
岡山県		17,440	16,536	636	16,910	16,001	663
広島県		12,123	11,535	603	13,434	12,787	662
山口県		11,019	10,564	375	12,452	11,974	392
徳島県		217	122	95	223	123	100
香川県		3,271	3,173	72	3,291	3,193	71
愛媛県		4,827	4,410	273	5,056	4,637	264
高知県		503	483	25	532	509	27
福岡県		7,894	7,393	535	7,814	7,284	560
佐賀県		95	80	15	92	77	15
長崎県		58	5	52	65	6	58
熊本県		444	376	70	476	406	72
大分県		13,625	12,991	519	14,257	13,613	507
宮崎県		729	525	81	785	571	84
鹿児島県		208	154	54	240	184	56
沖縄県		82	56	26	71	48	23

注1:合計、燃料はグロスである。
 2:合計には受入れ蒸気を含む。
 3:電力は(購入+水力)である。

参考 調査票様式

Reference Questionnaire

提出用
(経済産業省)



経済産業省特定業種石油等消費統計調査

石油等消費動態統計調査票 第1号 (パルプ・紙・板紙)

(2021年 月 分)

基 幹 統 計	経済産業省特定業種石油等消費統計
提出先	経済産業大臣
提出期日	翌月15日
提出部数	1部

1. 燃 料			受 入	消 費			払 出 (企業内他事務所、 他企業向け)	月 末 在 庫		
種 別	単 位	番 号		ボイラ用 〔 暖房等専用 のものを除く〕	コージェネ レーション用	ボイラ用及びコージェネレーション用以外				
			A	B	C	直接加熱用	その他用	計(D+E)	F	G	H
石油系燃料	灯油	kl	01 14							
	軽油	kl	01 15							
	A重油	kl	01 16							
	B・C重油	kl	01 18							
	液化石油ガス(LPG)	t	01 20							
非石油系燃料	石炭	t	01 31							
	石炭コークス(ピッチコークスを含む)	t	01 32							
	都市ガス	1000m ³	01 52							
	回収黒液	絶乾 t	01 60							
	廃材	絶乾 t	01 62							
			01							
都市ガス1m ³ 当たりの発熱量	kJ	01 53		← 都市ガスの消費がある場合に記入してください。						

2-1. 電 力			購 入 (買電)	自 家 発 電			消 費	販 売 (売電)		
種 別	単 位	番 号		火 力	コージェネ レーション	水 力			そ の 他	計(B~E)	F	G	H
			A	B	C	D	E	F	G	H
電 力	1000kWh	02 88								

2-2. 蒸 気			受 入	蒸 気 発 生			消 費			払 出 (企業内他事務所、 他企業向け)		
種 別	単 位	番 号		一 次 蒸 気	一 次 蒸 気 以 外		計(B~D)	生 産 工 程 用	自 家 発 電 用		そ の 他 用	計(F~H)	I	J
			A	B	コージェネ レーション	そ の 他		C	D	E	F	G	H	I	J
蒸 気	t	02 89										

3. 部 門 別 消 費 内 訳			パ ル プ ・ 紙 ・ 板 紙 部 門				そ の 他 の 部 門	計
種 別	単 位	番 号	パ ル プ 部 門	紙 部 門	板 紙 部 門	そ の 他 部 門	そ の 他 の 部 門	F
			A	B	C	D	E	F
電 力	1000kWh	03 88						
蒸 気	t	03 89						
石油系燃料	灯油	kl	03 14					
	軽油	kl	03 15					
	A重油	kl	03 16					
	B・C重油	kl	03 18					
	液化石油ガス(LPG)	t	03 20					
非石油系燃料	石炭	t	03 31					
	石炭コークス(ピッチコークスを含む)	t	03 32					
	都市ガス	1000m ³	03 52					
	回収黒液	絶乾 t	03 60					
	廃材	絶乾 t	03 62					
		03						

備考

企 業 名	本 社 又 は 本 店 所 在 地	(〒 - -) (電話 - -)
事 業 所 名	事 業 所 所 在 地	(〒 - -)
報 告 者 の 氏 名	作 成 者 の 所 属 部 署 名 及 び 氏 名	(電話 - -)

(年 月 日作成)

統計調査番号	調査票番号	年 月 分	事 業 所 番 号
A0804102021			都道府県 整理番号

この欄の電力は電力欄のG、蒸気は蒸気欄のF、燃料は燃料欄のFと同じ数値を記入してください。



経済産業省特定業種石油等消費統計調査
石油等消費動態統計調査票 第2号 (化学工業製品)

基幹統計
経済産業省特定業種石油等消費統計
提出先 経済産業大臣
提出期日 翌月15日
提出部数 1部

(2021年 月分)

1. 原・燃 料
Table with columns: 項目, 単位, 番号, 受入, 発生・回収又は生産, 消費 (ボイラ用, コージェネレーション用, ボイラ用及びコージェネレーション用以外), 払出, 月末在庫.

都市ガス1m³当たりの発熱量 kJ 01 53 ← 都市ガスの消費がある場合に記入してください。

2-1. 電 力
Table with columns: 項目, 単位, 番号, 購入 (買電), 自家発電 (火力, コージェネレーション, 水力, その他), 消費, 販売 (売電).

2-2. 蒸 気
Table with columns: 項目, 単位, 番号, 受入, 蒸気発生 (一次蒸気, 一次蒸気以外), 消費 (生産工程用, 自家発電用, その他), 払出.

3. 部門別消費内訳
Table with columns: 項目, 単位, 番号, 石油化学製品 (原料用, 動力・燃料用), アンモニア及びアンモニア誘導品 (原料用, 動力・燃料用), ソーダ工業製品, その他の部門, 計.

この欄の燃料は燃料欄のH、電力は電力欄のG、蒸気は蒸気欄のF、と同じ数値を記入してください。

備考
企業名, 事業所名, 報告者の氏名, 本社又は本店所在地, 事業所所在地, 作成者の所属部署名及び氏名.

(年 月 日作成)

統計調査番号 調査票番号 年 月分 事業所番号
A0806102021 都道府県 整理番号

基 幹 統 計	
経済産業省特定業種石油等消費統計	
提出先	経済産業大臣
提出期日	翌 月 1 5 日
提出部数	1 部

経済産業省特定業種石油等消費統計調査

石油等消費動態統計調査票 第3号 (化学繊維)

(2021 年 月分)



1. 燃 料			受 入	消 費			払 出 <small>(企業内他事務所、 他企業向け)</small>	月末在庫			
種 別	単 位	番 号		ボイラ用 <small>(暖房等専用 のものを除く)</small>					ボイラ用及びコージェネレーション用以外		
				直接加熱用	その他用	計(D+E)					
			A	B	C	D	E	F	G	H	
石油系燃料	灯油	kl	01	14							
	軽油	kl	01	15							
	A重油	kl	01	16							
	B・C重油	kl	01	18							
	液化石油ガス(LPG)	t	01	20							
			01								
			01								
非石油系燃料	石炭	t	01	31							
	液化天然ガス(LNG)	t	01	51							
	都市ガス	1000m ³	01	52							
			01								

都市ガス1m³当たりの発熱量 kJ 01 53 ← 都市ガスの消費がある場合に記入してください。

2-1. 電 力			購 入 (買電)	自 家 発 電				消 費	販 売 (売電)		
種 別	単 位	番 号		火 力	コージェネレーション	水 力	そ の 他			計(B~E)	
						A	B	C	D	E	F	G	H
電 力	1000kWh	02	88								

2-2. 蒸 気			受 入	蒸 気 発 生			消 費			払 出 <small>(企業内他事業所、 他企業向け)</small>		
種 別	単 位	番 号		一次蒸気	一次蒸気以外		計(B~D)	生 産 工 程 用	自 家 発 電 用		そ の 他 用	計(F~H)
					コージェネレーション	そ の 他						
			A	B	C	D	E	F	G	H	I	J
蒸 気	t	02	89									

3. 部 門 別 消 費 内 訳			織 維 部 門				そ の 他 の 部 門	計
種 別	単 位	番 号	化 学 織 維 部 門		そ の 他 の 織 維 部 門			
						A	B	C	D
電 力	1000kWh	03	88					
蒸 気	t	03	89					
石油系燃料	灯油	kl	03	14				
	軽油	kl	03	15				
	A重油	kl	03	16				
	B・C重油	kl	03	18				
	液化石油ガス(LPG)	t	03	20				
		03						
		03						
非石油系燃料	石炭	t	03	31				
	液化天然ガス(LNG)	t	03	51				
	都市ガス	1000m ³	03	52				
		03						

この欄の電力は電力欄のG、蒸気は蒸気欄のF、燃料は燃料欄のF、と同じ数値を記入してください。

備考

企 業 名	本 社 又 は 本 店 所 在 地	(〒 - -) (電話 - -)
事 業 所 名	事 業 所 所 在 地	(〒 - -)
報 告 者 の 氏 名	作 成 者 の 所 属 部 署 名 及 び 氏 名	(電話 - -)

(年 月 日作成)

統計調査番号	調査票番号	年 月 分	事 業 所 番 号
A 0 8 0 3 1 0 2 0 2 1			都道府県 整 理 番 号

提出用
(経済産業省)



経済産業省特定業種石油等消費統計調査

石油等消費動態統計調査票 第4号(石油製品)

(2021年 月分)

基幹統計	経済産業省特定業種石油等消費統計
提出先	経済産業大臣
提出期日	翌月15日
提出部数	1部

1. 燃料				消費						
種別	項目	単位	番号	受入 A	ボイラ用 (暖房等専用 のものを除く)	コージェネ レーション用	ボイラ用及びコージェネレーション用以外			計(D~F) G
					B	C	原料用 D	直接加熱用 E	その他用 F	
石油系燃料	ガソリン	kl	01 11							
	ナフサ	kl	01 12							
	灯油	kl	01 14							
	軽油	kl	01 15							
	A重油	kl	01 16							
	B・C重油	kl	01 18							
	液化石油ガス(LPG)	t	01 20							
	石油系炭化水素ガス(副生ガス)	1000m ³	01 21							
			01							
			01							

都市ガス1m³当たりの発熱量 kJ 01 53 ← 都市ガスの消費がある場合に記入してください。

2-1. 電力				購入				自家発電			消費 F	販売 (売電) G
種別	項目	単位	番号	(買電)		計(B~D)						
				A	B	火力	コージェネレーション	その他	E			
電力		1000kWh	02 88									

2-2. 蒸気				蒸気発生				消費			払出 (企業内他事業所、 他企業向け) J		
種別	項目	単位	番号	受入 A	一次蒸気	一次蒸気以外		計(B~D) E	生産 工費用 F	自家発電用 G		その他用 H	計(F~H) I
					B	コージェネレーション	その他				D		
蒸気		t	02 89										

3. 部門別消費内訳				消費		
種別	項目	単位	番号	石油精製部門	その他の部門	計
				A	B	C
電力		1000kWh	03 88			
蒸気		t	03 89			
石油系燃料	ガソリン	kl	03 11			
	ナフサ	kl	03 12			
	灯油	kl	03 14			
	軽油	kl	03 15			
	A重油	kl	03 16			
	B・C重油	kl	03 18			
	液化石油ガス(LPG)	t	03 20			
	石油系炭化水素ガス(副生ガス)	1000m ³	03 21			
			03			
			03			

この欄の電力は電力欄のF、蒸気は蒸気欄のF、燃料は燃料欄のGと同じ数値を記入してください。

備考

企業名	本社又は本店所在地	(〒 -) (電話 - -)
事業所名	事業所所在地	(〒 -)
報告者の氏名	作成者の所属部署名及び氏名	(電話 - -)

(年 月 日作成)

統計調査番号	調査票番号	年 月分	事業所番号
A080850	2021	都道府県	整理番号

提出用
(経済産業省)



経済産業省特定業種石油等消費統計調査
石油等消費動態統計調査票 第5号 (窯業・土石製品)

基 幹 統 計
経済産業省特定業種石油等消費統計
提出先 経済産業大臣
提出期日 翌月15日
提出部数 1部

(2021年 月分)

Table 1: Fuel Consumption (1. 原・燃料). Columns include Item, Unit, Serial No., Receipt, Production/Recovery, and various consumption fees (Boiler, Cogeneration, etc.). Rows list various fuels like Gasoline, Oil, and Natural Gas.

都市ガス1m³当たりの発熱量 kJ 01 53 ← 都市ガスの消費がある場合に記入してください。

Table 2-1: Electricity (2-1. 電力). Columns include Item, Unit, Serial No., Purchase (Buyer), and various electricity generation and consumption categories.

Table 2-2: Steam (2-2. 蒸気). Columns include Item, Unit, Serial No., Receipt, and various steam generation and consumption categories.

Table 3: Departmental Consumption (3. 部門別消費内訳). Columns include Item, Unit, Serial No., and various production departments (Cement, Glass, etc.) and other departments.

この欄の燃料は燃料欄のH、電力は電力欄のG、蒸気は蒸気欄のF、と同じ数値を記入してください。

備考

Enterprise Information Form: Company Name, Business Name, Reporter's Name, Address, and Contact Information.

(年 月 日作成)

Survey Identification Form: Statistical Survey No., Survey Form No., Year/Month, and Office/Department No.

基 幹 統 計	
経済産業省特定業種石油等消費統計	
提出先	経済産業大臣
提出期日	翌月15日
提出部数	1部

提出用
(経済産業省)



経済産業省特定業種石油等消費統計調査
石油等消費動態統計調査票 第6号 (ガラス製品)

(2021年 月分)

1. 燃 料			受 入	消 費			払 出 <small>(企業内他事務所、 他企業向け)</small>	月末在庫				
項 目 種 別	単 位	番 号		ボイラ用 <small>(暖房等専用 のものを除く)</small>	コージェネ レーション用	ボイラ用及びコージェネレーション用以外						
				A	B	C			直接加熱用 D	その他用 E	計(D+E) F	G	H
石油系燃料	灯油	kl	01	14								
	軽油	kl	01	15								
	A重油	kl	01	16								
	B・C重油	kl	01	18								
	液化石油ガス(LPG)	t	01	20								
			01									
非石油系燃料	石炭	t	01	31								
	石炭コークス(ピッチコークスを含む)	t	01	32								
	液化天然ガス(LNG)	t	01	51								
	都市ガス	1000m ³	01	52								
			01									

都市ガス1m³当たりの発熱量 kJ 01 53 ← 都市ガスの消費がある場合に記入してください。

2-1. 電 力			購 入 (買電)	自 家 発 電			消 費	販 売 (売電)				
項 目 種 別	単 位	番 号		火 力	コージェネ レーション	水 力			そ の 他	計(B~E)	G	H
電 力	1000kWh	02	88									

2-2. 蒸 気			受 入	蒸 気 発 生			消 費			払 出 <small>(企業内他事務所、 他企業向け)</small>		
項 目 種 別	単 位	番 号		一次蒸気	一次蒸気以外		計(B~D)	生 産 工 程 用	自 家 発 電 用		そ の 他 用	計(F~H)
					C	コージェネ レーション							そ の 他	D	E	F	G	H	I	J
蒸 気	t	02	89									

3. 部 門 別 消 費 内 訳			ガラス製品以外の品目を生産している部門です。		
項 目 種 別	単 位	番 号	ガ ラ ス 製 品 部 門	そ の 他 の 部 門	計
			A	B	C(A+B)
電 力	1000kWh	03	88		
蒸 気	t	03	89		
石油系燃料	灯油	kl	03	14	
	軽油	kl	03	15	
	A重油	kl	03	16	
	B・C重油	kl	03	18	
	液化石油ガス(LPG)	t	03	20	
			03		
非石油系燃料	石炭	t	03	31	
	石炭コークス(ピッチコークスを含む)	t	03	32	
	液化天然ガス(LNG)	t	03	51	
	都市ガス	1000m ³	03	52	
			03		

この欄の電力は電力欄のG、蒸気は蒸気欄のF、燃料は燃料欄のF、と同じ数値を記入してください。

備 考

企 業 名		本 社 又 は 本 店 所 在 地	(〒 -) (電話 - -)
事 業 所 名		事 業 所 所 在 地	(〒 -)
報 告 者 の 氏 名		作 成 者 の 所 属 部 署 名 及 び 氏 名	(電話 - -)

(年 月 日作成)

統計調査番号	調査票番号	年 月分	事 業 所 番 号
A080520	2021	都道府県	整 理 番 号



秘

経済産業省特定業種石油等消費統計調査 石油等消費動態統計調査票 第7号 (鉄鋼)

(2021年 月分)

提出用 (経済産業省) 統計 特定業種石油等消費統計 提出票 提出日 2021年 月 15日 提出部 数 1部

Table 1: Fuel and Energy Consumption. Columns include Item, Unit, and various consumption categories (A-K). Rows list items like oil, gas, and electricity.

※都市ガスの消費がある場合に記入してください。

都市ガスの消費量 t 単位 番号 01 53 A

Table 2-1: Electricity. Columns include Item, Unit, and consumption categories (A-H). Rows list electricity consumption.

2-2. 蒸気

Table 2-2: Steam. Columns include Item, Unit, and consumption categories (A-H). Rows list steam consumption.

Table 3: Departmental Consumption Details. Columns include Item, Unit, and detailed consumption categories (A-K). Rows list departmental consumption.

この欄の燃料は原則として燃料のI、電力は電力欄のH、蒸気は蒸気欄のIと同じ数値を記入してください。

Form for company information including name, address, telephone, and survey details.

平成28.1改正 () 年 月 日作成

提出用
(経済産業省)



経済産業省特定業種石油等消費統計調査

石油等消費動態統計調査票 第8号 (非鉄金属地金)

(2021年 月分)

基幹統計 経済産業省特定業種石油等消費統計	
提出先	経済産業大臣
提出期日	翌月15日
提出部数	1部

1. 燃料

項目 種別	単位	番号	受入	消費					月末在庫
				ボイラ用 <small>(暖房等専用 のものを除く)</small>	コージェネ レーション用	ボイラ用及びコージェネレーション用以外			
						直接加熱用	その他用	計(D+E)	
A	B	C	D	E	F	G			
石油系燃料									
灯油	油	kl	01 14						
軽油	油	kl	01 15						
A重油	油	kl	01 16						
B・C重油	油	kl	01 18						
液化石油ガス(LPG)	t	01 20							
非石油系燃料									
石炭	t	01 31							
石炭コークス(ピッチコークスを含む)	t	01 32							
都市ガス	1000m ³	01 52							

備考

都市ガス1m ³ 当たりの発熱量	単位	番号	A
	kJ	01 53	

↑都市ガスの消費がある場合に記入してください。

2-1. 電力

項目 種別	単位	番号	購入 (買電)	自家発電					消費	販売 (売電)
				火力	コージェネ レーション	水力	その他	計(B~E)		
A	B	C	D	E	F	G	H			
電力	1000kWh	02 88								

2-2. 蒸気

項目 種別	単位	番号	受入	蒸気発生				消費				払出 <small>(企業内他事業所 他企業向け)</small>
				一次蒸気	一次蒸気以外		生産 工費用	自家発電用	その他用	計(F~H)		
					コージェネ レーション	その他					B		C	D	E	F	G	H	I
A	B	C	D	E	F	G	H	I	J			
蒸気	t	02 89										

3. 部門別消費内訳

項目 種別	単位	番号	非鉄金属製錬部門									その他の 部門	合計	
			銅		鉛		亜鉛		アルミ ニウム	アルニウム 二次地金	その他の非鉄 金属地金			
			溶練 工程	電解 工程	溶練 工程	電解 工程	電気亜鉛 <small>(精留亜鉛を含む)</small>	蒸留 亜鉛						G	H	I	J
A	B	C	D	E	F	G	H	I	J	K				
電力	1000kWh	03 88												
蒸気	t	03 89												
石油系燃料														
灯油	油	kl	03 14											
軽油	油	kl	03 15											
A重油	油	kl	03 16											
B・C重油	油	kl	03 18											
液化石油ガス(LPG)	t	03 20												
非石油系燃料														
石炭	t	03 31												
石炭コークス(ピッチコークスを含む)	t	03 32												
都市ガス	1000m ³	03 52												

この欄の電力は電力欄のG、蒸気は蒸気欄のF、燃料は燃料欄のF、と同じ数値を記入してください。

企業名	本社又は本店所在地	(〒 - -) (電話 - - -)
事業所名	事業所所在地	(〒 - -)
報告者の氏名	作成者の所属部署名及び氏名	(電話 - - -)

(年 月 日作成)

統計調査番号	調査票番号	年 月 分	事業所番号
A 0 8	0 9 3 0	2 0 2 1	都道府県 整理番号

経済産業省特定業種石油等消費統計調査

基 幹 統 計	
経済産業省特定業種石油等消費統計	
提出先	経済産業大臣
提出期日	翌月15日
提出部数	1部

石油等消費動態統計調査票 第9号 (機械器具)

(2021年 月分)

1. 燃 料			受 入 A	消 費					月末在庫 G
項 目 種 別	単 位	番 号		ボイラ用 〔暖厨房等専用 のものを除く〕 B	コージェネ レーション用 C	ボイラ用及びコージェネレーション用以外			
						直接加熱用 D	その他用 E	計(D+E) F	
石油系燃料	ガソリン	kl	01	11					
	灯油	kl	01	14					
	軽油	kl	01	15					
	A重油	kl	01	16					
	B・C重油	kl	01	18					
	液化石油ガス(LPG)	t	01	20					
非石油系燃料	石炭	t	01	31					
	石炭コークス(ピッチコークスを含む)	t	01	32					
	液化天然ガス(LNG)	t	01	51					
	都市ガス	1000m ³	01	52					
			01						
		01							
都市ガス1m ³ 当たりの発熱量			KJ	01	53	← 都市ガスの消費がある場合に記入してください。			

単位未満の数字は四捨五入して記入してください。

2. 電 力			購 入 (買電) A	自 家 発 電				消 費 F	販 売 (売電) G
項 目 種 別	単 位	番 号		火 力 B	コージェネレーション C	そ の 他 D	計(B~D) E		
電	力	1000kWh	02	88					

3. 部 門 別 消 費 内 訳			指 定 生 産 品 目 部 門						合 計 (A~G) H
項 目 種 別	単 位	番 号	土木建設機械 A	金属工作機械及び 金属加工機械 B	電 子 部 品 C	電子管、半導体素子 及び集積回路 D	電子計算機及び情報 端末、電子応用装置 E	自動車及び部品 (二輪自動車を含む) F		その他の 部 門 G
電	力	1000kWh	03	88					
石油系燃料	ガソリン	kl	03	11					
	灯油	kl	03	14					
	軽油	kl	03	15					
	A重油	kl	03	16					
	B・C重油	kl	03	18					
	液化石油ガス(LPG)	t	03	20					
非石油系燃料	石炭	t	03	31					
	石炭コークス(ピッチコークスを含む)	t	03	32					
	液化天然ガス(LNG)	t	03	51					
	都市ガス	1000m ³	03	52					
			03						

この欄の電力は電力欄のF、燃料は燃料欄のF、と同じ数値を記入してください。

備考(大きな変動があった場合その理由を記入してください。)

企 業 名	本社又は本店所在地	(〒 - -) (電話 - -)
事 業 所 名	事業所所在地	(〒 - -)
報 告 者 の 氏 名	作成者の所属部署名及び氏名	(電話 - -)

統計調査番号	調査票番号	年 月 分	事 業 所 番 号
A 0 8 0 2 0 0	2 0 2 1	都道府県	整 理 番 号

(年 月 日作成)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和2年 年間補正号
Annual revision for 2020

令和3年1月分
January, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

1) 固有単位表 20

2) 熱量単位表 20

(2) 燃料受払

1) 燃料種別表 24

① 固有単位表 24

② 熱量単位表 24

2) 業種別表

① パルプ・紙・板紙工業 26

② 化学繊維工業 26

③ 石油製品工業 28

④ ガラス製品工業 28

⑤ 化学工業 30

⑥ 窯業・土石製品工業 30

⑦ 鉄鋼業 32

⑧ 非鉄金属地金工業 34

⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

1) 直接投入エネルギー表 38

2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

経済産業局別業種別エネルギー消費

1) 北海道経済産業局管内 52

2) 東 北 " 52

3) 関 東 " 54

4) 中 部 " 54

5) 近 畿 " 56

6) 中 国 " 56

7) 四 国 " 58

8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

1) Table of original units 20

2) Table of energy units 20

(2) Fuel input/output

1) Table for type kind of energy 24

① Table of original unit 24

② Table of energy unit 24

2) Tables for individual industry

① Pulp,paper,paper board industry 26

② Chemical fiber industry 26

③ Petroleum products industry 28

④ Glass products industry 28

⑤ Chemical industry 30

⑥ Ceramic, stone and clay product industry 30

⑦ Iron and steel industry 32

⑧ Non-ferrous metals industry 34

⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

1) Hokkaido Bureau of Economy, Trade and Industry 52

2) Tohoku Bureau of Economy, Trade and Industry 52

3) Kanto Bureau of Economy, Trade and Industry 54

4) Chubu Bureau of Economy, Trade and Industry 54

5) Kansai Bureau of Economy, Trade and Industry 56

6) Chugoku Bureau of Economy, Trade and Industry 56

7) Shikoku Bureau of Economy, Trade and Industry 58

8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. 平成20年1月分より単位当たりの発熱量の改訂を行います。

した(9ページ 第2表 「単位当たりの発熱量」を参照。)

5. この月報に掲載された統計を他に転載するときは、必ず「石油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号

経済産業省資源エネルギー庁

長官官房総務課戦略企画室

電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
都市ガス（注3）				
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
RPF	t	26.9MJ/kg		
電蒸	力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。
	気	t	2.675MJ/kg	

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

- ② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

- ③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

- 3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

- III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. From January 2008, calorific value per unit has been revised. (Please refer to the calorific value per unit by different energy types shown in Table2. Energy categories, units and definitions)

5. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10⁶kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

重油計									非石油系燃料計	Year,quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,754,534	598,930	4,155,604	1,623,710	5,648,649	13,769,495	4,184,979	893,615	333,967	117,933,182	F.Y. 2018
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
1,248,264	129,716	1,118,548	428,686	1,449,930	3,402,170	1,048,511	134,061	92,446	28,259,194	Q4 2019
1,217,808	133,224	1,084,584	397,339	1,252,246	3,158,214	960,635	259,683	87,874	29,086,259	Q1 2020
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
420,598	41,956	378,642	136,284	464,845	1,144,771	341,257	25,470	30,913	9,178,874	Nov. 2019
419,845	43,558	376,287	145,884	484,116	1,185,098	338,046	63,995	29,976	9,601,088	Dec.
406,852	45,904	360,948	133,057	457,960	1,121,495	330,547	118,026	26,082	9,974,891	Jan. 2020
391,874	44,340	347,534	134,289	425,969	1,025,893	349,497	71,968	30,407	9,328,701	Feb.
419,082	42,980	376,102	129,993	368,317	1,010,826	280,591	69,689	31,385	9,782,666	Mar.
406,831	46,912	359,919	125,831	362,063	1,001,842	301,064	49,600	28,095	8,405,234	Apr.
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
8.5	14.6	7.8	5.5	13.5	▲ 2.9	▲ 12.1	▲ 76.9	15.5	▲ 3.8	R・S

回収黒液						電力		蒸気		Year,quarter and Month
Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,348,529	10,836,468	2,605,484	492,164	681,684	638,746	186,003,463	109,226,719	514,487,750	40,337,402	F.Y. 2018
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
2,869,229	2,399,384	586,646	103,150	186,240	149,101	45,104,448	26,097,121	126,603,253	10,025,685	Q4 2019
3,330,844	2,554,158	649,762	130,558	181,128	155,831	44,351,265	25,474,793	129,126,762	10,284,806	Q1 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
923,070	766,305	192,912	32,553	62,476	49,974	14,818,117	8,533,103	41,583,218	3,337,907	Nov. 2019
955,755	792,763	211,588	43,807	62,270	52,430	15,110,530	8,523,177	44,260,607	3,478,469	Dec.
1,035,627	875,696	205,259	43,382	61,431	47,964	15,103,981	8,581,952	44,748,832	3,609,752	Jan. 2020
961,585	839,684	214,169	42,315	58,337	50,233	14,428,157	8,384,812	41,398,447	3,344,020	Feb.
1,333,632	838,778	230,334	44,861	61,360	57,634	14,819,127	8,508,029	42,979,483	3,331,034	Mar.
891,755	609,805	196,616	37,159	53,894	49,481	13,641,706	7,880,720	39,644,297	3,144,950	Apr.
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
▲ 7.5	▲ 1.4	▲ 10.2	4.0	▲ 6.8	14.3	▲ 1.7	▲ 2.6	▲ 2.7	1.1	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total	うち指定生産品目分 Specified Products	燃料計 (注1) Fuel total (原油換算) Crude petroleum equivalent	Fuel total					
	(原油換算) Crude petroleum equivalent kl	(原油換算) Crude petroleum equivalent kl		石油系燃料計 (原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	17,298,425	12,730,342	16,257,532	6,658,280	304	3,858	2,669,626	1,359,400	123,406
重複事業所分補正量 Duplication adjustment	361,602	-	337,251	9,063	-	98	-	-	881
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	1,120,560	986,036	1,082,783	183,158	...	7	-	-	620
化学工業 Chemical industry	6,568,875	5,242,837	6,245,098	4,945,664	304	15	2,647,980	1,359,400	83,695
化学繊維工業 Chemical fibers industry	186,434	44,404	162,386	39,009	...	4	-	-	202
石油製品工業 Petroleum products industry	1,294,238	1,131,551	1,252,746	1,202,768	...	11	21,646	-	25,202
窯業・土石製品工業 Ceramics, clay and stone products industry	791,531	514,097	756,436	124,494	...	36	-	-	1,844
ガラス製品工業 Glass products industry	39,349	38,101	31,509	3,482	...	-	-	-	20
鉄鋼業 Iron and steel industry	7,179,081	4,422,572	6,807,750	116,004	...	120	-	-	7,027
非鉄金属地金工業 Non-ferrous metals industry	4,081,620	80,194	3,710,289	22,169	...	5	-	-	1,272
機械工業 Machinery industry	93,211	270,548	49,393	30,597	...	3,758	-	-	4,405

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	669,449,042	492,664,223	629,166,484	257,675,426	10,579	128,960	88,898,546	45,811,780	4,504,566
重複事業所分補正量 Duplication adjustment	526,046,843	-	485,764,285	350,749	-	3,273	-	-	32,157
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	13,993,995	38,159,582	41,903,686	7,088,202	...	234	-	-	22,631
化学工業 Chemical industry	43,365,677	202,897,802	241,685,310	191,397,189	10,579	501	88,177,734	45,811,780	3,054,868
化学繊維工業 Chemical fibers industry	230,685,023	1,718,450	6,284,338	1,509,646	...	134	-	-	7,373
石油製品工業 Petroleum products industry	7,215,006	43,791,038	48,481,290	46,547,113	...	367	720,812	-	919,873
窯業・土石製品工業 Ceramics, clay and stone products industry	50,086,995	19,895,570	29,274,075	4,817,904	...	1,202	-	-	67,306
ガラス製品工業 Glass products industry	30,632,246	1,474,497	1,219,391	134,745	...	-	-	-	730
鉄鋼業 Iron and steel industry	1,522,817	171,153,539	263,459,938	4,489,336	...	4,008	-	-	256,511
非鉄金属地金工業 Non-ferrous metals industry	157,958,679	3,103,514	1,911,493	857,944	...	167	-	-	46,428
機械工業 Machinery industry	3,607,264	10,470,231	7,998,594	1,184,096	...	125,620	-	-	161,003

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年1月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
22,170	441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252
307	4,329	529	3,800	-	505	-	2,971	-	-	328,188
326	69,057	5,490	63,567	3,790	71,128	-	11,342	-	2,206	899,625
16,830	100,383	4,495	95,888	93,865	389,248	435,199	120,084	-	1,892	1,299,435
13	16,551	1,354	15,197	38	329	-	23,896	-	-	123,377
30	168,359	8,601	159,758	13,158	27,019	653,792	47,401	27,266	-	49,979
982	36,586	3,500	33,086	17,574	1,710	-	44,993	-	22,536	631,942
7	2,808	513	2,295	-	42	-	-	-	392	28,027
1,972	30,264	14,338	15,926	8,314	21,492	3	45,526	-	113	6,691,747
307	12,304	5,206	7,098	3,620	584	-	206	-	2,973	27,223
2,010	9,652	9,652	-	-	8,887	-	-	-	-	176,085

単位 Unit: GJ										
842,451	18,308,243	2,047,081	16,261,162	5,615,143	26,049,421	55,531,710	9,672,884	1,090,640	1,210,502	371,491,058
11,666	179,418	20,578	158,840	-	25,301	-	98,934	-	-	12,700,884
12,388	2,870,812	213,622	2,657,190	152,254	3,563,513	-	377,689	-	88,681	34,815,484
639,540	4,183,113	174,856	4,008,257	3,754,729	19,501,325	22,188,165	3,998,797	-	76,058	50,288,121
494	687,905	52,671	635,235	1,520	16,483	-	795,737	-	-	4,774,692
1,140	7,012,463	334,579	6,677,884	526,320	1,353,652	33,343,392	1,578,453	1,090,640	-	1,934,178
37,316	1,519,235	136,150	1,383,085	702,960	85,671	-	1,498,267	-	905,947	24,456,171
266	115,887	19,956	95,931	-	2,104	-	-	-	15,758	1,084,646
74,936	1,223,481	557,757	665,724	332,560	1,077,129	153	1,516,016	-	4,543	258,970,602
11,664	499,252	202,556	296,696	144,800	29,258	-	6,860	-	119,515	1,053,549
76,373	375,513	375,513	-	-	445,586	-	-	-	-	6,814,498

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(January, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal	石炭コークス (注4) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然ガス LNG
	t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t
合計 Total	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461
重複事業所分補正量 Duplication adjustment	433,787	6,771	-	-	-	-	-	9,597	2,008
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	494,959	370	...	-	-	-	-	7,523	8,884
化学工業 Chemical industry	1,452,944	11,811	35,550	105,920	109,776	-	-	45,282	67,883
化学繊維工業 Chemical fibers industry	109,005	-	...	-	-	-	-	-	1,201
石油製品工業 Petroleum products industry	22,189	-	...	-	-	-	-	7,396	18,690
窯業・土石製品工業 Ceramics, clay and stone products industry	816,889	16,994	...	23,023	2,382	19,701	824	10,857	56
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	6,345
鉄鋼業 Iron and steel industry	4,595,020	2,415,570	7,834	809,154	6,574,270	368,696	6,448	1,803	32,098
非鉄金属地金工業 Non-ferrous metals industry	5,434	14,917	...	-	39,662	-	-	225	2,242
機械工業 Machinery industry	-	541	...	-	-	-	-	4,554	9,070

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	193,396,624	71,149,547	1,618,223	19,043,506	24,012,124	3,235,365	60,576	2,891,828	7,902,017
重複事業所分補正量 Duplication adjustment	11,321,841	196,359	-	-	-	-	-	407,873	109,838
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	12,909,504	10,730	...	-	-	-	-	319,728	485,955
化学工業 Chemical industry	37,921,838	342,519	1,326,015	2,150,176	391,900	-	-	1,924,485	3,713,200
化学繊維工業 Chemical fibers industry	2,845,031	-	...	-	-	-	-	-	65,695
石油製品工業 Petroleum products industry	579,133	-	...	-	-	-	-	314,330	1,022,343
窯業・土石製品工業 Ceramics, clay and stone products industry	21,320,803	492,845	...	467,504	8,487	164,128	6,864	461,423	3,063
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	347,072
鉄鋼業 Iron and steel industry	129,000,328	70,051,530	292,208	16,425,826	23,470,144	3,071,238	53,712	76,628	1,755,761
非鉄金属地金工業 Non-ferrous metals industry	141,827	432,593	...	-	141,593	-	-	9,563	122,637
機械工業 Machinery industry	-	15,689	...	-	-	-	-	193,545	496,129

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年1月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
516,563	957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001
13,047	-	-	-	2,381	1,696	-	1,030,103	217,456	3,449,244	39,419
68,424	957,475	...	180,770	21,308	4,306	50,238	2,035,050	344,212	12,941,698	57,462
40,208	...	...	-	17,713	7,992	1,606	3,121,633	1,459,344	13,295,363	2,667,147
45,352	...	...	-	-	-	-	452,381	174,726	1,826,271	112,768
447	...	...	-	-	-	-	953,263	172,740	7,300,530	367,791
8,836	...	...	51	7,949	28,067	3,002	1,364,197	354,220	4,357,712	10,805
17,946	...	...	-	-	-	-	91,703	79,967	9,704	-
194,760	...	863,224	3,541	541	18,564	-	5,165,903	3,672,424	6,945,020	429,680
4,996	...	...	-	-	-	-	459,997	380,388	317,162	42,767
148,641	...	...	-	-	-	-	2,230,324	1,935,705	...	...

単位 Unit: GJ

21,230,723	13,005,299	6,146,155	3,144,195	1,498,316	1,676,927	1,479,634	53,439,653	30,082,572	116,480,780	9,761,078
536,232	-	-	-	79,049	49,693	-	3,708,371	782,842	9,226,728	105,446
2,812,226	13,005,299	...	3,082,772	707,426	126,166	1,355,679	7,326,180	1,239,163	34,619,043	153,711
1,652,549	...	...	-	588,072	234,166	43,201	11,237,879	5,253,638	35,565,096	7,134,618
1,863,967	...	...	-	-	-	-	1,628,572	629,014	4,885,275	301,654
18,372	...	...	-	-	-	-	3,431,747	621,864	19,528,918	983,841
363,160	...	...	872	263,907	822,363	80,754	4,911,109	1,275,192	11,656,880	28,903
737,574	...	...	-	-	-	-	330,131	287,881	25,958	-
8,004,636	...	6,146,155	60,551	17,961	543,925	-	18,597,251	13,220,726	18,577,929	1,149,394
205,336	...	...	-	-	-	-	1,655,989	1,369,397	848,408	114,402
6,109,135	...	...	-	-	-	-	8,029,166	6,968,538	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(January, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種別	単位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計 (原油換算)	kl	11,233,081	3,716,605	16,257,532	2,877,454	472,068
(ネット)	"	"	"	12,552,048	"	"
石油系燃料 (原油換算)	"	4,893,896	-	6,658,280	841,502	244,736
原油 (注1)	"	226	...	304	304	-
ガソリン	"	3,797	...	3,858	...	...
ナフサ	"	2,723,177	...	2,669,626	-	146
改質生成油	"	1,375,152	...	1,359,400	-	-
灯油	"	97,881	...	123,406	1,855	25,353
軽油	"	21,811	...	22,170	3	56
重油計	"	253,309	...	441,635	272,457	10,526
A重油	"	43,124	...	52,620	18,981	5,700
B・C重油	"	210,185	...	389,015	253,476	4,826
炭化水素油	"	50,427	...	140,359	72,720	-
炭液系炭化水素ガス	t	543,827	...	519,934	80,317	16,647
石油系炭化水素ガス	1000m ³	20,067	...	1,088,994	157,041	126,166
オイルコーク	t	177,877	...	290,477	176,848	-
アスファルト	"	-	...	27,266	6,092	21,174
再生油 (石油由来)	kl	28,803	-	30,112	1,969	-
非石油系燃料 (原油換算)	kl	6,339,184	3,716,605	9,599,252	2,035,952	227,332
石炭 (注2)	t	6,071,919	...	7,062,653	1,550,874	-
石炭コークス (注3)	"	590,003	2,655,457	2,453,432	-	-
タール	"	28,718	70,761	43,384	-	-
コークス	1000m ³	171,829	1,143,522	938,097	148,244	-
高炉ガス	"	228,278	9,656,721	6,726,090	2,344,804	-
転炉ガス	"	22,792	550,038	388,397	119,069	-
電炉ガス	"	824	6,448	7,272	6,448	-
天然ガス	"	56,259	5,250	68,043	22,323	17,079
液化天然ガス	t	149,781	...	144,461	22,886	34,325
都市ガス (A)	1000m ³	476,335	...	476,335	105,624	139,478
都市ガス (B)	"	516,571	...	516,563	114,331	150,709
回収黒液	絶乾(Dry)t	957,062	...	957,475	957,475	-
酸素材	1000N ^m	703,158	200,989	863,224	-	-
廃材	絶乾(Dry)t	185,124	-	184,362	183,776	-
廃ヤク	t	42,029	-	45,130	39,021	-
廃プラスチック	"	55,741	7,075	57,233	4,306	-
RPF	"	49,233	-	54,846	53,217	7

② 熱量単位表

Table of energy unit

種別	単位	受入	発生・回収	合計	ボイラ用	コージェネレーション用
合計 (原油換算)	GJ	434,720,235	143,832,621	629,166,484	111,357,458	18,269,018
(ネット)	"	"	"	485,764,285	"	"
石油系燃料 (原油換算)	"	189,393,798	-	257,675,426	32,566,118	9,471,272
原油 (注1)	"	7,865	...	10,579	10,579	-
ガソリン	"	126,918	...	128,960	...	...
ナフサ	"	90,681,794	...	88,898,546	-	4,862
改質生成油	"	46,342,622	...	45,811,780	-	-
灯油	"	3,572,917	...	4,504,566	67,811	925,385
軽油	"	828,809	...	842,451	114	2,128
重油計	"	10,463,802	...	18,308,243	11,333,940	423,457
A重油	"	1,677,686	...	2,047,081	738,458	221,730
B・C重油	"	8,786,116	...	16,261,162	10,595,482	201,727
炭化水素油	"	2,018,009	...	5,615,143	2,908,800	-
炭液系炭化水素ガス	"	27,246,459	...	26,049,421	4,023,911	834,015
石油系炭化水素ガス	"	1,023,417	...	55,531,710	8,009,091	6,434,466
オイルコーク	"	5,923,304	...	9,672,884	5,889,038	-
アスファルト	"	-	...	1,090,640	243,680	846,960
再生油 (石油由来)	"	1,157,881	-	1,210,502	79,154	-
非石油系燃料 (原油換算)	"	245,326,437	143,832,621	371,491,058	78,791,340	8,797,746
石炭 (注2)	"	165,310,806	...	193,396,624	40,468,886	-
石炭コークス (注3)	"	17,110,105	77,008,253	71,149,547	-	-
タール	"	1,071,181	2,639,385	1,618,223	-	-
コークス	"	3,488,266	23,213,497	19,043,506	3,009,353	-
高炉ガス	"	814,935	34,474,494	24,012,124	8,370,950	-
転炉ガス	"	189,876	4,581,817	3,235,365	991,845	-
電炉ガス	"	6,864	53,712	60,576	53,712	-
天然ガス	"	2,391,008	223,125	2,891,828	948,728	725,858
液化天然ガス	"	8,193,021	...	7,902,017	1,251,864	1,877,578
都市ガス (A)	"	21,231,056	...	21,230,723	4,699,017	6,194,123
都市ガス (B)	"	12,999,727	...	13,005,299	13,005,299	-
回収黒液	"	5,006,485	1,431,042	6,146,155	...	-
酸素材	"	3,156,056	-	3,144,195	3,134,209	-
廃材	"	1,395,363	-	1,498,316	1,295,497	-
廃ヤク	"	1,633,211	207,298	1,676,927	126,166	-
廃プラスチック	"	1,328,479	-	1,479,634	1,435,814	188

注1. 原油にはNGL・コンデンセートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年1月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,908,010	7,136,889	5,522,513	248,608	1,615,153	8,724,078	Total (Crude petroleum equivalent) (Net)
5,572,042	4,189,927	1,266,845	115,271	77,167	1,541,710	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,507	348	Crude petroleum
3,858	...	5	3,853	3	1,740	Gasoline
2,669,480	2,667,552	1,928	-	578	632,725	Naphtha
1,359,400	1,359,400	-	-	10,801	9,202	Oil produced by conversion
96,198	80,924	11,327	3,947	103	16,853	Kerosene
22,111	16,632	262	5,217	28	9,844	Gas oils
158,652	35,311	109,265	14,076	6,881	240,649	Heavy Fuel oil total
27,939	-	19,774	8,165	693	55,587	Heavy Fuel oil A
130,713	35,311	89,491	5,911	6,188	185,062	Heavy Fuel oil B・C
67,639	34,009	33,069	561	328	13,335	Hydrocarbon oil
422,970	348,625	43,188	31,157	37,137	122,139	Liquefied petroleum gas
805,787	29,632	741,702	34,453	...	...	Hydrocarbon gas
113,629	63,347	49,974	308	10,560	610,498	Petroleum coke
-	-	-	-	-	-	Asphalt
28,143	-	26,293	1,850	-	8,523	Reproduction oil (Oil origin)
7,335,968	2,946,963	4,255,668	133,337	1,537,986	7,182,367	Non-oil based fuels (Crude petroleum equivalent)
5,511,779	3,868,059	1,643,084	636	504,504	7,931,318	Coal
2,453,432	41,769	2,405,678	5,985	797,360	1,880,752	Coal coke
43,384	43,384	-	-	54,141	46,812	Tar
789,853	638	754,074	35,141	353,106	...	Coke oven gas
4,381,286	-	4,013,744	367,542	3,075,789	...	Blast furnace gas
269,328	-	253,882	15,446	158,723	...	Converter furnace gas
824	-	824	-	-	...	Electric furnaces gas
28,641	8,204	18,109	2,328	956	7	Natural gas
87,250	20,039	62,746	4,465	14,581	48,764	Liquefied natural gas
231,233	-	190,640	40,593	...	...	Town gas(A)
251,523	-	207,365	44,158	...	...	Town gas(B)
-	-	-	-	-	2,994	Black liquor
863,224	-	780,037	83,187	26,559	1,331	Oxygen
586	-	543	43	231	48,374	Waste material
6,109	541	5,568	-	-	25,561	Used tires
52,927	19,277	31,439	2,211	3,698	33,949	Waste plastic
1,622	-	1,622	-	-	14,628	Refuse Paper & Plastic Fuel
499,540,008	276,197,622	213,721,255	9,621,130	62,506,418	337,621,813	Total (Crude petroleum equivalent) (Net)
215,638,036	162,150,163	49,026,891	4,460,981	2,986,374	59,664,195	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	87,244	12,845	Crude petroleum
128,960	...	167	128,793	100	58,324	Gasoline
88,893,684	88,829,482	64,202	-	19,247	21,069,743	Naphtha
45,811,780	45,811,780	-	-	363,994	310,107	Oil produced by conversion
3,511,371	2,953,726	413,577	144,068	3,773	615,336	Kerosene
840,209	632,016	9,956	198,238	1,064	374,068	Gas oils
6,550,847	1,476,000	4,510,034	564,813	285,616	9,898,596	Heavy Fuel oil total
1,086,894	-	769,270	317,624	26,958	2,162,470	Heavy Fuel oil A
5,463,953	1,476,000	3,740,764	247,189	258,658	7,736,126	Heavy Fuel oil B・C
2,706,343	1,360,360	1,323,414	22,569	13,120	533,676	Hydrocarbon oil
21,191,495	17,466,113	2,164,142	1,561,241	1,860,568	6,119,293	Liquefied petroleum gas
41,088,153	1,511,232	37,820,287	1,756,633	...	...	Hydrocarbon gas
3,783,846	2,109,455	1,664,134	10,256	351,648	20,329,583	Petroleum coke
-	-	-	-	-	-	Asphalt
1,131,349	-	1,056,979	74,370	-	342,625	Reproduction oil (Oil origin)
283,901,972	114,047,459	164,694,364	5,160,149	59,520,044	277,957,618	Non-oil based fuels (Crude petroleum equivalent)
152,927,738	109,177,403	43,733,735	16,600	13,766,752	215,891,685	Coal
71,149,547	1,211,301	69,764,681	173,565	23,123,440	54,541,824	Coal coke
1,618,223	1,618,223	-	-	2,019,459	1,746,088	Tar
16,034,153	12,951	15,307,839	713,362	7,168,052	...	Coke oven gas
15,641,174	-	14,329,049	1,312,125	10,980,567	...	Blast furnace gas
2,243,521	-	2,114,855	128,665	1,322,163	...	Converter furnace gas
6,864	-	6,864	-	-	...	Electric furnaces gas
1,217,243	348,670	769,633	98,940	40,630	298	Natural gas
4,772,575	1,096,133	3,432,206	244,236	797,581	2,667,391	Liquefied natural gas
10,337,583	-	8,522,701	1,814,882	...	...	Town gas
-	-	-	-	-	40,263	Black liquor
6,146,155	-	5,553,863	592,291	189,100	9,477	Oxygen
9,986	-	9,285	701	3,950	822,210	Waste material
202,819	17,961	184,858	-	-	848,625	Used tires
1,550,761	564,816	921,163	64,782	108,351	994,706	Waste plastic
43,632	-	43,632	-	-	395,053	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(January, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	1,077,060	1,082,783	999,603	46,807
石 油 系 燃 料 (原 油 換 算)	〃	182,010	183,158	153,723	193
ガ ソ リ ン	〃	6	7	...	...
灯 油	〃	599	620	276	-
軽 油	〃	328	326	3	17
重 油 計	〃	58,040	69,057	48,698	175
A 重 油	〃	5,279	5,490	4,868	175
B・C 重 油	〃	52,761	63,567	43,830	-
炭 化 水 素 油	〃	3,423	3,790	2,790	-
液 化 石 油 ガ ス	t	80,254	71,128	69,624	-
オ イ ル コ ー ク ス	〃	10,503	11,342	9,245	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,239	2,206	241	-
非 石 油 系 燃 料 (原 油 換 算)	kl	895,050	899,625	845,880	46,615
石 炭	t	494,184	494,959	494,959	-
炭 コ ー ク ス	〃	1,500	370	-	-
天 然 ガ ス	1000m ³	7,523	7,523	1,324	5,784
液 化 天 然 ガ ス	t	8,771	8,884	4,856	3,515
都 市 ガ ス (A)	1000m ³	63,467	63,467	28,175	30,604
都 市 ガ ス (B)	〃	68,426	68,424	30,076	33,229
回 収 黒 液 材	絶乾(Dry)t	957,062	957,475	957,475	-
廃 タ イ ヤ	t	181,532	180,770	180,235	-
廃 プ ラ ス チ ッ ク	t	20,460	21,308	21,308	-
廃 R P F	〃	4,312	4,306	4,306	-
R P F	〃	44,689	50,238	50,231	7

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	130,573	162,386	112,342	38,566
石 油 系 燃 料 (原 油 換 算)	〃	30,518	39,009	34,310	428
ガ ソ リ ン	〃	4	4	...	...
灯 油	〃	209	202	32	-
軽 油	〃	14	13	-	5
重 油 計	〃	14,927	16,551	12,651	421
A 重 油	〃	1,655	1,354	522	421
B・C 重 油	〃	13,272	15,197	12,129	-
炭 化 水 素 油	〃	38	38	38	-
液 化 石 油 ガ ス	t	328	329	41	-
オ イ ル コ ー ク ス	〃	16,086	23,896	23,896	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	100,055	123,377	78,033	38,138
石 炭	t	74,609	109,005	109,005	-
液 化 天 然 ガ ス	〃	1,111	1,201	1,061	55
都 市 ガ ス (A)	1000m ³	41,686	41,686	2,795	32,754
都 市 ガ ス (B)	〃	45,354	45,352	2,842	35,838
廃 プ ラ ス チ ッ ク	t	-	-	-	-
廃 R P F	〃	-	-	-	-

(令和3年1月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
36,372	31,898	4,474	16,072	481,692	Total (Crude petroleum equivalent)
29,242	25,838	3,404	6,354	78,406	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	1	Gasoline
344	278	66	21	958	Kerosene
306	1	305	13	17	Gas oils
20,184	19,012	1,172	5,857	55,042	Heavy Fuel oil total
447	410	37	58	6,475	Heavy Fuel oil A
19,737	18,602	1,135	5,799	48,567	Heavy Fuel oil B・C
1,000	985	15	-	2,127	Hydrocarbon oil
1,504	859	645	-	9,375	Liquefied petroleum gas
2,097	1,895	202	-	2,555	Petroleum coke
-	-	-	-	-	Asphalt
1,965	1,244	721	-	1,893	Reproduction oil (Oil origin)
7,130	6,060	1,070	9,718	403,286	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	14,258	525,708	Coal
370	-	370	-	1,511	Coal coke
415	403	12	-	...	Natural gas
513	387	126	-	501	Liquefied natural gas
4,688	4,184	504	...	...	Town gas(A)
5,119	4,570	549	...	...	Town gas(B)
-	-	-	-	2,994	Black liquor
535	492	43	231	48,374	Waste material
-	-	-	-	17,618	Used tires
-	-	-	-	28	Waste plastic
-	-	-	-	14,347	Refuse Paper & Plastic Fuel
11,477	6,531	4,946	-	124,207	Total (Crude petroleum equivalent)
4,271	2,217	2,054	-	78,146	Oil based fuels (Crude petroleum equivalent)
4	...	4	-	-	Gasoline
170	8	162	-	70	Kerosene
8	-	8	-	10	Gas oils
3,479	1,941	1,538	-	24,405	Heavy Fuel oil total
411	111	300	-	7,040	Heavy Fuel oil A
3,068	1,830	1,238	-	17,365	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
288	94	194	-	95	Liquefied petroleum gas
-	-	-	-	60,566	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,206	4,314	2,892	-	46,061	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	67,824	Coal
85	85	-	-	226	Liquefied natural gas
6,137	3,656	2,481	...	...	Town gas(A)
6,672	3,949	2,723	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(January, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	26,892	1,252,746	362,742	185,689
石 油 系 燃 料 (原 油 換 算)	"	-	1,202,768	344,512	177,905
ガ ソ リ ン	"	...	11	...	...
ナ フ サ	"	...	21,646	-	146
灯 油	"	...	25,202	84	25,012
軽 油	"	...	30	-	-
重 油 計	"	...	168,359	138,190	3,517
A 重 油	"	...	8,601	2,651	2,632
B・C 重 油	"	...	159,758	135,539	885
炭 化 水 素 油	"	...	13,158	13,158	-
液 化 石 油 ガ ス	t	...	27,019	509	8,868
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	653,792	101,705	88,951
オ イ ル コ ー ク ス	t	...	47,401	47,401	-
ア ス フ ァ ル ト	"	...	27,266	6,092	21,174
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	26,892	49,979	18,230	7,784
石 炭	t	-	22,189	22,189	-
天 然 ガ ス	1000m ³	-	7,396	247	-
液 化 天 然 ガ ス	t	18,690	18,690	1,789	5,507
都 市 ガ ス (A)	1000m ³	408	408	400	-
都 市 ガ ス (B)	"	447	447	438	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	31,567	31,509	422	2,388
石 油 系 燃 料 (原 油 換 算)	"	3,550	3,482	2	147
ガ ソ リ ン	"	-	-	...	...
灯 油	"	33	20	2	-
軽 油	"	8	7	-	-
重 油 計	"	2,881	2,808	-	146
A 重 油	"	556	513	-	146
B・C 重 油	"	2,325	2,295	-	-
液 化 石 油 ガ ス	t	42	42	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	372	392	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	28,017	28,027	420	2,241
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	6,338	6,345	28	210
都 市 ガ ス (A)	1000m ³	16,538	16,538	329	1,672
都 市 ガ ス (B)	"	17,946	17,946	358	1,831
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年1月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
704,316	81,738	586,843	35,734	Total (Crude petroleum equivalent)
680,350	71,279	574,492	34,579	Oil based fuels (Crude petroleum equivalent)
11	...	...	11	Gasoline
21,500	19,572	1,928	-	Naphtha
106	-	99	7	Kerosene
30	-	-	30	Gas oils
26,652	-	24,854	1,798	Heavy Fuel oil total
3,318	-	2,887	431	Heavy Fuel oil A
23,334	-	21,967	1,367	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
17,642	14,001	3,641	-	Liquefied petroleum gas
463,136	27,555	410,825	24,756	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
23,965	10,459	12,352	1,155	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
7,149	3,334	3,485	330	Natural gas
11,394	4,809	6,031	554	Liquefied natural gas
8	-	-	8	Town gas(A)
9	-	-	9	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
28,699	27,988	711	130	3,321	Total (Crude petroleum equivalent)
3,333	3,172	161	130	3,298	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
18	8	10	16	67	Kerosene
7	6	1	1	-	Gas oils
2,662	2,513	149	113	2,897	Heavy Fuel oil total
367	218	149	113	906	Heavy Fuel oil A
2,295	2,295	-	-	1,991	Heavy Fuel oil B・C
42	41	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
392	392	-	-	150	Reproduction oil (Oil origin)
25,366	24,817	549	-	23	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
6,107	6,107	-	-	16	Liquefied natural gas
14,537	14,062	475	...	...	Town gas(A)
15,757	15,240	517	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(January, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計(原油換算)(注1) (ネット)	kl "	5,471,656	617,257	6,245,098 5,637,076	682,830	118,161
石油系燃料(原油換算)	"	4,421,788	-	4,945,664	266,165	60,278
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	226	...	304	304	-
ガ ソ ー リ ン	"	18	...	15	...	...
ナ フ サ	"	2,723,177	...	2,647,980	-	-
改 質 生 成 油	"	1,375,152	...	1,359,400	...	...
灯 油	"	83,596	...	83,695	101	341
軽 油	"	16,536	...	16,830	-	-
重 油	"	97,625	...	100,383	52,550	837
A 重 油	"	4,379	...	4,495	2,055	821
B・C 重 油	"	93,246	...	95,888	50,495	16
炭 化 水 素 油	"	16,207	...	93,865	56,734	-
液 化 石 油 ガ ス	t	435,339	...	389,248	2,817	7,779
石油系炭化水素ガス(注2)	1000m ³	20,064	...	435,199	55,336	37,215
オ イ ル コ ー ク ス	t	83,616	...	120,084	83,893	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 (石 油 由 来)	kl	1,892	-	1,892	1,724	-
非石油系燃料(原油換算)	kl	1,049,869	617,257	1,299,435	416,665	57,883
石 炭	t	1,172,623	-	1,452,944	524,954	-
石 炭 コ ー ク ス	"	7,895	622,941	11,811	...	-
タ ー ク ス	"	22,261	12,908	35,550	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,144	245,502	105,920	3,671	-
高 炉 ガ ス	"	109,776	-	109,776	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	40,902	5,250	45,282	19,535	9,188
液 化 天 然 ガ ス	t	80,390	...	67,883	11,159	19,136
都 市 ガ ス (A)	1000m ³	38,898	...	38,898	6,297	19,443
都 市 ガ ス (B)	"	40,210	...	40,208	6,745	19,534
廃 タ イ ヤ	t	16,132	-	17,713	17,713	-
廃 プ ラ ス チ ック	"	3,473	4,583	7,992	-	-
R P F	"	1,606	-	1,606	1,606	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計(原油換算)(注1) (ネット)	kl "	748,884	-	756,436 756,436	319,163	6,663
石油系燃料(原油換算)	"	134,778	-	124,494	12,063	1,472
ガ ソ ー リ ン	"	35	...	36	...	...
灯 油	"	1,663	...	1,844	184	-
軽 油	"	974	...	982	-	-
重 油	"	38,026	...	36,586	1,174	1,363
A 重 油	"	3,536	...	3,500	848	-
B・C 重 油	"	34,490	...	33,086	326	1,363
炭 化 水 素 油	"	18,118	...	17,574	-	-
液 化 石 油 ガ ス	t	1,688	...	1,710	-	-
オ イ ル コ ー ク ス	"	56,142	...	44,993	12,413	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 (石 油 由 来)	kl	21,365	-	22,536	4	-
非石油系燃料(原油換算)	kl	614,106	-	631,942	307,100	5,191
石 炭	t	795,114	...	816,889	442,495	-
石 炭 コ ー ク ス	"	13,974	-	16,994	-	-
コ ー ク ス 炉 ガ ス	1000m ³	23,023	-	23,023	-	-
高 炉 ガ ス	"	2,382	-	2,382	-	-
転 炉 ガ ス	"	19,701	-	19,701	-	-
電 気 炉 ガ ス	"	824	-	824	-	-
天 然 ガ ス	"	10,857	-	10,857	4,756	4,727
液 化 天 然 ガ ス	t	56	-	56	-	-
都 市 ガ ス (A)	1000m ³	8,170	...	8,170	428	-
都 市 ガ ス (B)	"	8,834	...	8,836	422	-
廃 材	絶乾(Dry)t	51	-	51	-	-
廃 タ イ ヤ	t	6,580	-	7,949	2,381	-
廃 プ ラ ス チ ック	"	28,507	-	28,067	-	-
R P F	"	2,938	-	3,002	1,380	-

注1. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

(令和3年1月)

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,444,107	4,752,698	643,027	48,383	613,232	2,511,109	Total (Crude petroleum equivalent) (Net)
4,619,221	4,086,597	489,692	42,932	60,010	1,002,971	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,507	138	NGL・condensate
15	...	...	15	-	4	Gasoline
2,647,980	2,647,980	-	-	578	632,725	Naphtha
1,359,400	1,359,400	...	...	10,801	9,202	Oil produced by conversion
83,253	80,924	1,924	405	-	6,715	Kerosene
16,830	16,632	-	198	-	8,202	Gas oils
46,996	35,311	9,264	2,421	112	59,007	Heavy Fuel oil total
1,619	-	737	882	112	6,750	Heavy Fuel oil A
45,377	35,311	8,527	1,539	-	52,257	Heavy Fuel oil B・C
37,131	25,695	11,368	68	...	...	Hydrocarbon oil
378,652	334,624	23,278	20,750	36,877	83,649	Liquefied petroleum gas
342,648	2,077	330,874	9,697	...	...	Hydrocarbon gas
36,191	36,086	-	105	-	307,135	Petroleum coke
-	-	-	-	-	-	Asphalt
168	-	168	-	-	-	Reproduction oil (Oil origin)
824,886	666,101	153,334	5,451	553,222	1,508,138	Non-oil based fuels (Crude petroleum equivalent)
927,990	880,465	47,525	-	18,278	1,852,776	Coal
11,811	8,413	3,398	-	594,816	308,518	Coal coke
35,550	35,550	-	-	594	26,329	Tar
102,249	170	101,444	635	144,722	...	Coke oven gas
109,776	-	109,776	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
16,559	4,870	9,873	1,816	956	...	Natural gas
37,588	15,230	22,337	21	12,474	189	Liquefied natural gas
13,158	...	10,464	2,694	...	...	Town gas(A)
13,929	...	11,016	2,913	...	...	Town gas(B)
-	-	-	-	-	1,447	Used tires
7,992	6,296	1,696	-	-	683	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
430,610	5,900	415,444	9,265	1,529	922,694	Total (Crude petroleum equivalent) (Net)
110,958	2,745	103,031	5,183	1,491	186,411	Oil based fuels (Crude petroleum equivalent)
36	...	...	36	-	-	Gasoline
1,660	-	1,526	134	-	495	Kerosene
982	-	228	754	2	110	Gas oils
34,049	-	31,168	2,881	-	47,744	Heavy Fuel oil total
2,652	-	1,527	1,125	-	4,955	Heavy Fuel oil A
31,397	-	29,641	1,756	-	42,789	Heavy Fuel oil B・C
17,574	-	17,574	-	328	3,018	Hydrocarbon oil
1,710	-	1,538	172	-	169	Liquefied petroleum gas
32,580	3,190	29,389	1	1,337	146,306	Petroleum coke
-	-	-	-	-	-	Asphalt
22,532	-	21,539	993	-	5,207	Reproduction oil (Oil origin)
319,651	3,155	312,414	4,083	37	736,283	Non-oil based fuels (Crude petroleum equivalent)
374,394	825	372,933	636	43	1,058,469	Coal
16,994	3,468	13,526	-	11	14,756	Coal coke
23,023	-	23,018	5	-	...	Coke oven gas
2,382	-	2,362	20	-	...	Blast furnace gas
19,701	-	19,701	-	-	...	Converter furnace gas
824	-	824	-	-	...	Electric furnaces gas
1,374	-	1,374	-	-	...	Natural gas
56	-	13	43	-	-	Liquefied natural gas
7,742	...	4,584	3,158	...	...	Town gas(A)
8,414	...	5,060	3,354	...	...	Town gas(B)
51	-	51	-	-	-	Waste material
5,568	-	5,568	-	-	4,529	Used tires
28,067	-	28,032	35	-	9,633	Waste plastic
1,622	-	1,622	-	-	281	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(January, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	3,810,242	3,099,348	6,807,750	624,919	11,108
（ネット）	〃	-	-	3,710,289	-	-
石油系燃料（原油換算）	〃	78,223	-	116,004	22,948	2,378
ガソリン	〃	122	…	120	…	…
灯油	〃	6,929	…	7,027	159	-
軽油	〃	1,961	…	1,972	-	-
重油計	〃	24,600	…	30,264	15,532	2,209
A重油	〃	12,997	…	14,338	4,278	106
B・C重油	〃	11,603	…	15,926	11,254	2,103
炭化水素油	〃	9,095	…	8,314	-	-
液化石油ガス	t	17,258	…	21,492	4,899	-
石油系炭化水素ガス	1000m ³	3	…	3	-	-
オイルコークス	t	14,142	…	45,526	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	129	-	113	-	-
非石油系燃料（原油換算）	kl	3,732,020	3,099,348	6,691,747	601,971	8,730
コークス製造用炭（原料炭）	t	2,448,220	…	3,239,395	-	-
石炭	〃	1,484,244	…	1,355,625	343,353	-
石炭コークス	〃	557,982	2,032,516	2,415,570	…	-
ターナル	〃	6,457	57,853	7,834	-	-
コークス炉ガス	1000m ³	143,662	898,020	809,154	144,573	-
高炉ガス	〃	116,120	9,656,721	6,574,270	2,330,649	-
転炉ガス	〃	3,091	550,038	368,696	119,069	-
電気炉ガス	〃	-	6,448	6,448	6,448	-
天然ガス	〃	1,795	-	1,803	229	-
液化天然ガス	t	25,135	…	32,098	2,766	2,043
都市ガス（A）	1000m ³	178,368	…	178,368	40,347	5,051
都市ガス（B）	〃	194,763	…	194,760	44,097	5,501
酸素	1000Nm ³	703,158	200,989	863,224	…	-
廃材	絶乾(Dry)t	3,541	-	3,541	3,541	-
廃タイヤ	t	406	-	541	-	-
廃プラスチック	〃	21,209	2,492	18,564	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年1月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,171,723	2,301,617	3,768,265	101,841	984,191	5,071,266	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
90,678	31,862	46,039	12,776	9,182	177,624	Oil based fuels (Crude petroleum equivalent)
120	...	5	115	3	20	Gasoline
6,868	...	5,306	1,562	66	3,415	Kerosene
1,972	...	19	1,953	12	134	Gas oils
12,523	-	11,756	767	799	45,548	Heavy Fuel oil total
9,954	...	9,286	668	410	20,089	Heavy Fuel oil A
2,569	-	2,470	99	389	25,459	Heavy Fuel oil B・C
8,314	8,314	-	-	-	7,201	Hydrocarbon oil
16,593	-	10,023	6,570	260	27,460	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
45,526	27,042	18,484	-	9,223	96,406	Petroleum coke
-	-	-	-	-	-	Asphalt
113	-	113	-	-	592	Reproduction oil (Oil origin)
6,081,046	2,269,755	3,722,226	89,065	975,008	4,893,642	Non-oil based fuels (Crude petroleum equivalent)
3,239,395	2,936,094	303,301	-	213,999	3,180,367	Coal for making coke (material coal)
1,012,272	50,856	961,416	-	257,926	1,850,328	Coal
2,415,570	33,071	2,378,288	4,211	202,533	1,552,343	Coal coke
7,834	7,834	-	-	53,547	20,483	Tar
664,581	468	629,612	34,501	208,384	...	Coke oven gas
4,243,621	-	3,876,099	367,522	3,075,789	...	Blast furnace gas
249,627	-	234,181	15,446	158,723	...	Converter furnace gas
-	-	-	-	-	...	Electric furnaces gas
1,574	-	1,545	29	-	7	Natural gas
27,289	-	24,271	3,018	2,107	47,369	Liquefied natural gas
132,970	...	124,937	8,033	...	...	Town gas(A)
145,162	...	136,373	8,789	...	...	Town gas(B)
863,224	-	780,037	83,187	26,559	1,331	Oxygen
-	-	-	-	-	-	Waste material
541	541	-	-	-	2,510	Used tires
18,564	12,981	3,407	2,176	3,698	24,288	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(January, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	39,609	49,393	2,748	502
石 油 系 燃 料 (原 油 換 算)	"	21,033	22,169	720	502
ガソリン	"	5	5	...	...
灯油	"	1,243	1,272	41	-
軽油	"	306	307	-	-
重油計	"	11,540	12,304	666	465
A重油	"	4,917	5,206	501	6
B・C重油	"	6,623	7,098	165	459
炭化水素油	"	3,546	3,620	-	-
液化石油ガス	t	561	584	-	-
オイルコークス	"	178	206	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	2,806	2,973	-	-
非石油系燃料 (原油換算)	kl	18,576	27,223	2,028	-
石炭	t	125	5,434	-	-
石炭	"	13,096	14,917	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	39,662	14,155	-
転炉ガス	"	-	-	-	-
天然ガス	"	225	225	-	-
液化天然ガス	t	2,211	2,242	129	-
都市ガス (A)	1000m³	4,714	4,714	455	-
都市ガス (B)	"	4,996	4,996	508	-
廃プラ	t	-	-	-	-
廃ラップ	"	-	-	-	-
R P	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	207,258	206,682	41,577	72,121
石 油 系 燃 料 (原 油 換 算)	"	31,148	30,597	7,375	1,445
ガソリン	"	3,705	3,758	...	...
灯油	"	4,457	4,405	1,007	-
軽油	"	1,999	2,010	-	34
重油計	"	10,247	9,652	3,262	1,404
A重油	"	10,247	9,652	3,262	1,404
B・C重油	"	-	-	-	-
炭化水素油	"	-	-	-	-
液化石油ガス	t	8,857	8,887	2,427	-
石油系炭化水素ガス	1000m³	-	-	-	-
オイルコークス	t	-	-	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	-	-	-	-
非石油系燃料 (原油換算)	kl	176,109	176,085	34,202	70,677
石炭	t	-	-	-	-
石炭	"	541	541	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	-	-	-
転炉ガス	"	-	-	-	-
天然ガス	"	4,554	4,554	988	2,107
液化天然ガス	t	9,087	9,070	1,291	4,254
都市ガス (A)	1000m³	136,162	136,162	26,964	53,647
都市ガス (B)	"	148,641	148,641	29,465	58,709
廃プラ	t	-	-	-	-
廃ラップ	"	-	-	-	-
R P	"	-	-	-	-

(令和3年1月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
46,143	42,858	3,285	29,406	Total (Crude petroleum equivalent)
20,947	19,019	1,927	7,392	Oil based fuels (Crude petroleum equivalent)
5	...	5	2	Gasoline
1,231	809	422	444	Kerosene
307	4	303	17	Gas oils
11,173	10,742	431	4,916	Heavy Fuel oil total
4,699	4,318	381	2,275	Heavy Fuel oil A
6,474	6,424	50	2,641	Heavy Fuel oil B・C
3,620	3,142	478	989	Hydrocarbon oil
584	464	120	43	Liquefied petroleum gas
206	206	-	35	Petroleum coke
-	-	-	-	Asphalt
2,973	2,837	136	681	Reproduction oil (Oil origin)
25,196	23,838	1,357	22,014	Non-oil based fuels (Crude petroleum equivalent)
5,434	5,434	-	20,284	Coal
14,917	13,513	1,404	10,939	Coal coke
-	-	-	...	Coke oven gas
25,507	25,507	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
225	225	-	...	Natural gas
2,113	1,897	216	97	Liquefied natural gas
4,259	4,259	-	...	Town gas(A)
4,488	4,488	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
92,984	48,590	44,394	20,333	Total (Crude petroleum equivalent)
21,777	7,282	14,495	19,779	Oil based fuels (Crude petroleum equivalent)
3,758	...	3,758	1,729	Gasoline
3,398	2,146	1,252	5,183	Kerosene
1,976	4	1,972	1,390	Gas oils
4,986	665	4,321	10,222	Heavy Fuel oil total
4,986	665	4,321	10,086	Heavy Fuel oil A
-	-	-	136	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
6,460	3,537	2,923	1,340	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
71,207	41,308	29,899	554	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
541	541	-	49	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
1,459	1,318	141	...	Natural gas
3,525	2,853	672	366	Liquefied natural gas
55,551	30,647	24,904	...	Town gas(A)
60,467	33,354	27,112	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(January, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,643,816	8,356,270	9,287,546	6,932,447	1,589,630
事業所重複分補正量	1,162,439	217,456	944,983	894,150	32,480
パルプ・紙・板紙工業	2,331,509	344,212	1,987,297	1,815,607	148,040
化学工業	3,669,230	1,459,344	2,209,886	1,751,068	329,145
化学繊維工業	543,089	174,726	368,363	243,847	124,087
石油製品工業	1,630,787	172,740	1,458,047	774,989	661,513
窯業・土石製品工業	1,599,136	354,220	1,244,916	1,144,120	21,484
ガラス製品工業	91,779	79,967	11,812	-	7,487
鉄鋼業(注2)	6,228,015	3,672,424	2,555,591	2,087,929	47,374
非鉄金属地金工業	473,161	380,388	92,773	2,589	2,140
機械工業	2,239,549	1,935,705	303,844	6,448	280,840

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	45,815,074	3,649,001	42,166,073	34,192,268	2,377,745
事業所重複分補正量	3,536,339	39,419	3,496,920	3,428,934	50,511
パルプ・紙・板紙工業	13,009,155	57,462	12,951,693	12,600,679	307,452
化学工業	14,791,566	2,667,147	12,124,419	9,385,184	696,172
化学繊維工業	1,856,760	112,768	1,743,992	1,519,124	217,279
石油製品工業	7,660,608	367,791	7,292,817	5,345,676	1,133,364
窯業・土石製品工業	4,451,629	10,805	4,440,824	4,161,100	36,721
ガラス製品工業	9,704	-	9,704	4,810	4,894
鉄鋼業	7,247,063	429,680	6,817,383	4,571,031	31,399
非鉄金属地金工業	324,928	42,767	282,161	33,598	975

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年1月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
121,919	643,550	14,844,348	2,799,468	Total
15,021	3,332	1,030,103	132,336	Duplication adjustment
19,199	4,451	2,035,050	296,459	Pulp,Paper,Paperboard industry
39,418	90,255	3,121,633	547,597	Chemical products industry
-	429	452,381	90,708	Chemical fibers products industry
...	21,545	953,263	677,524	Petroleum products industry
15,021	64,291	1,364,197	234,939	Ceramics,clay and stone products industry
4,318	7	91,703	76	Glass products industry
103	420,185	5,165,903	1,062,112	Iron and steel products industry
	(炉頂圧) 234,418			
58,881	29,163	459,997	13,164	Non-ferrous metals products industry
...	16,556	2,230,324	9,225	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工 程用	自家発 電用	その他 用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,596,060	43,544,216	20,820,067	19,760,973	2,963,176	2,270,858	Total
17,475	3,449,244	986,616	2,461,347	1,281	87,095	Duplication adjustment
43,562	12,941,698	5,781,022	6,748,794	411,882	67,457	Pulp,Paper,Paperboard industry
2,043,063	13,295,363	8,095,245	4,647,540	552,578	1,496,203	Chemical products industry
7,589	1,826,271	911,374	869,982	44,915	30,489	Chemical fibers products industry
813,777	7,300,530	4,144,112	2,701,058	455,360	360,078	Petroleum products industry
243,003	4,357,712	848,401	3,474,090	35,221	93,917	Ceramics,clay and stone products industry
-	9,704	9,105	-	599	-	Glass products industry
2,214,953	6,945,020	1,873,528	3,750,916	1,320,576	302,043	Iron and steel products industry
247,588	317,162	143,896	29,940	143,326	7,766	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(January, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	625,272	614,593	210,623	267,395	136,575	2,622	8,057	116,554
石 油 系 燃 料 (原 油 換 算)	〃	29,242	28,560	25,286	3,045	229	490	192	4,271
ガ ソ リ ン	〃	7	5	2	3	-	-	2	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	344	288	29	255	4	39	17	170
軽 油	〃	306	277	157	72	48	6	23	8
重 油 計	〃	20,184	19,629	18,926	581	122	411	144	3,479
A 重 油	〃	447	302	28	155	119	1	144	411
B・C 重 油	〃	19,737	19,327	18,898	426	3	410	-	3,068
炭 化 水 素 油	〃	1,000	1,000	1,000	-	-	-	-	-
液 化 石 油 ガ ス	t	1,504	1,496	9	1,470	17	3	5	288
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,097	2,097	1,995	102	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,965	1,965	1,813	120	32	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,130	6,970	514	5,599	857	65	96	7,205
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	370	370	370	-	-	-	-	-
天 然 ガ ス	1000m ³	415	415	-	415	-	-	-	-
液 化 天 然 ガ ス	t	513	513	-	289	224	-	-	85
都 市 ガ ス (A)	1000m ³	4,688	4,545	1	4,083	461	56	87	6,137
都 市 ガ ス (B) (注 2)	〃	5,118	4,968	1	4,458	509	61	90	6,671
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	535	535	535	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,035,050	1,958,992	559,437	948,978	450,577	9,954	66,104	452,381
蒸 気	t	5,781,022	5,741,071	1,921,002	2,466,292	1,353,777	16,505	23,446	911,374

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	1,006,685	986,036	313,872	489,692	182,472	3,034	17,616	164,707
石 油 系 燃 料 (原 油 換 算)	〃	176,584	173,497	42,922	117,863	12,712	582	2,504	35,488
ガ ソ リ ン	〃	7	5	2	3	-	-	2	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	556	495	67	301	127	42	19	202
軽 油	〃	321	280	157	72	51	6	35	13
重 油 計	〃	64,806	62,237	31,092	19,552	11,593	453	2,116	13,932
A 重 油	〃	5,377	4,715	562	3,287	866	30	632	1,102
B・C 重 油	〃	59,429	57,522	30,530	16,265	10,727	423	1,484	12,830
炭 化 水 素 油	〃	3,533	3,344	2,053	1,291	-	-	189	34
液 化 石 油 ガ ス	t	71,128	71,085	9	71,059	17	38	5	329
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	9,424	9,424	5,836	3,588	-	-	-	23,075
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,198	2,187	1,915	210	62	-	10	-
非 石 油 系 燃 料 (原 油 換 算)	kl	792,496	776,915	266,536	351,047	159,332	1,510	14,072	105,171
石 炭	t	426,096	425,156	146,764	191,622	86,770	321	618	97,182
石 炭 コ ー ク ス	〃	370	370	370	-	-	-	-	-
天 然 ガ ス	1000m ³	7,323	7,322	1,920	5,154	248	-	-	-
液 化 天 然 ガ ス	t	7,368	7,146	-	1,039	6,107	221	-	1,124
都 市 ガ ス (A)	1000m ³	58,576	53,992	637	18,577	34,778	840	3,744	32,977
都 市 ガ ス (B) (注 2)	〃	63,100	58,166	697	19,667	37,802	848	4,086	35,819
回 収 黒 液	絶乾(Dry)t	876,902	858,498	377,220	438,709	42,569	-	18,404	-
廃 材	〃	141,169	137,645	38,464	45,160	54,021	171	3,352	-
廃 タ イ ヤ	t	18,574	18,058	7,058	6,927	4,073	-	516	-
廃 プ ラ ス チ ッ ク	〃	4,250	4,244	1,549	2,664	31	-	6	-
R P F	〃	43,503	42,063	11,519	17,000	13,544	7	1,432	-
電 力	1000kWh	361,561	343,601	47,449	187,886	108,266	6,784	11,176	174,726
蒸 気	t	57,462	52,965	-	47,809	5,156	4,497	-	112,768

注1. 原油換算値は38.2MJ/lである。

注2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年1月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
36,465	704	79,385	1,079,438	1,073,452	5,986	37,859	36,736	1,123	Total (Crude petroleum equivalent)
1,258	13	3,001	680,350	680,296	54	3,333	3,133	200	Oil based fuels (Crude petroleum equivalent)
1	-	3	11	7	4	-	-	-	Gasoline
-	-	-	21,500	21,500	-	-	-	-	Naphtha
58	-	112	106	99	7	18	16	2	Kerosene
2	-	6	30	17	13	7	7	-	Gas oils
1,103	-	2,376	26,652	26,652	-	2,662	2,465	197	Heavy Fuel oil total
4	-	407	3,318	3,318	-	367	170	197	Heavy Fuel oil A
1,099	-	1,969	23,334	23,334	-	2,295	2,295	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
7	10	271	17,642	17,642	-	42	42	-	Liquefied petroleum gas
-	-	-	463,136	463,112	24	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	392	392	-	Reproduction oil (Oil origin)
658	12	6,536	23,965	23,965	-	25,366	25,215	151	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	7,149	7,149	-	-	-	-	Natural gas
85	-	-	11,394	11,394	-	6,107	6,107	-	Liquefied natural gas
469	10	5,658	8	8	-	14,537	14,407	130	Town gas(A)
506	11	6,154	9	9	-	15,757	15,615	142	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
116,456	3,651	332,274	953,263	897,862	55,401	91,703	83,401	8,302	Electricity
343,118	4,914	563,342	4,144,112	4,132,856	11,256	9,105	9,105	-	Steam
44,404	819	119,484	1,144,140	1,131,551	12,589	39,224	38,101	1,123	Total (Crude petroleum equivalent)
10,800	245	24,443	1,054,953	1,043,566	11,387	3,482	3,282	200	Oil based fuels (Crude petroleum equivalent)
1	-	3	11	7	4	-	-	-	Gasoline
-	-	-	21,591	21,581	10	-	-	-	Naphtha
58	-	144	17,294	15,875	1,419	20	18	2	Kerosene
2	-	10	30	17	13	7	7	-	Gas oils
4,384	119	9,430	134,378	132,080	2,298	2,808	2,611	197	Heavy Fuel oil total
113	99	890	8,267	8,175	92	513	316	197	Heavy Fuel oil A
4,270	20	8,539	126,111	123,905	2,206	2,295	2,295	-	Heavy Fuel oil B・C
29	-	5	11,004	11,004	-	-	-	-	Hydrocarbon oil
7	10	312	23,720	23,136	584	42	42	-	Liquefied petroleum gas
-	-	-	601,784	598,581	3,203	-	-	-	Hydrocarbon gas
6,945	129	16,000	27,206	26,043	1,162	-	-	-	Petroleum coke
-	-	-	16,412	14,892	1,520	-	-	-	Asphalt
-	-	-	-	-	-	392	392	-	Reproduction oil (Oil origin)
20,163	97	84,910	47,696	47,470	227	27,909	27,758	151	Non-oil based fuels (Crude petroleum equivalent)
19,286	-	77,896	21,929	21,786	143	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	7,387	7,387	-	-	-	-	Natural gas
898	-	226	17,207	17,207	-	6,288	6,288	-	Liquefied natural gas
5,092	85	27,799	408	296	112	16,506	16,376	130	Town gas(A)
5,543	92	30,185	447	324	123	17,910	17,768	142	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
73,096	3,089	98,541	172,740	168,399	4,341	84,209	75,907	8,302	Electricity
96,097	2,730	13,941	367,791	359,519	8,272	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(January, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry		Petrochemical products	
			化学工業製品	石油化学製品	原料用 as Materials	動力・燃料用等 For driving power, fuels.
合 計 (原 油 換 算)	kl	6,294,049	5,245,700	5,057,838	4,048,220	1,009,618
石 油 系 燃 料 (原 油 換 算)	"	4,619,221	4,561,422	4,527,594	4,044,714	482,880
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	15	2	2	...	2
ナフサ	"	2,647,980	2,638,445	2,638,445	2,638,445	-
改質生成油	"	1,359,400	1,359,400	1,359,400	1,359,400	...
灯油	"	83,253	80,481	80,481	80,302	179
軽油	"	16,830	16,614	16,614	16,613	1
重油	"	46,996	37,885	37,885	35,311	2,574
A重油	"	1,619	503	503	-	503
B・C重油	"	45,377	37,382	37,382	35,311	2,071
炭化水素油	"	37,131	32,690	32,690	23,831	8,859
液化石油ガス	t	378,652	358,283	358,186	334,980	23,206
石油系炭化水素ガス	1000m³	342,648	340,382	336,203	1,613	334,590
オイルコークス	t	36,191	32,831	63	63	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	168	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	824,888	64,519	32,726	3,507	29,219
石炭	t	927,990	16	-	-	-
石炭コークス	"	11,811	2,678	-	...	-
タール	"	35,550	-	-	-	-
コークス炉ガス	1000m³	102,249	1,096	99	-	99
高転炉ガス	"	109,776	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	16,559	8,160	7,922	-	7,922
液化天然ガス	t	37,588	29,148	12,838	2,481	10,357
都市ガス(A)	1000m³	13,158	7,295	5,077	...	5,077
都市ガス(B)	"	13,929	7,812	5,488	...	5,488
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	7,992	4,583	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	3,121,633	2,050,888	1,094,318	...	1,094,318
電 蒸	t	8,095,245	6,206,163	5,725,016	...	5,725,016

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,384,564	5,242,837	5,001,601	4,048,220	953,381
石 油 系 燃 料 (原 油 換 算)	"	4,824,473	4,723,243	4,674,478	4,044,714	629,765
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	240	227	-	-	-
ガソリン	"	15	2	2	-	2
ナフサ	"	2,647,980	2,638,445	2,638,445	2,638,445	-
改質生成油	"	1,359,400	1,359,400	1,359,400	1,359,400	-
灯油	"	83,657	80,873	80,869	80,302	567
軽油	"	16,830	16,614	16,614	16,613	1
重油	"	79,765	63,530	60,490	35,311	25,179
A重油	"	3,647	1,936	1,451	-	1,451
B・C重油	"	76,118	61,594	59,039	35,311	23,728
炭化水素油	"	73,417	67,262	67,008	23,831	43,177
液化石油ガス	t	383,595	363,100	362,852	334,980	27,872
石油系炭化水素ガス	1000m³	412,229	393,494	386,814	1,613	385,201
オイルコークス	t	73,402	55,959	14,211	63	14,148
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	1,892	1,724	1,724	-	1,724
非 石 油 系 燃 料 (原 油 換 算)	kl	1,236,536	273,934	130,633	3,507	127,126
石炭	t	1,383,256	208,075	63,373	-	63,373
石炭コークス	"	11,811	2,678	-	-	-
タール	"	35,550	-	-	-	-
コークス炉ガス	1000m³	105,882	1,884	319	-	319
高転炉ガス	"	109,776	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	44,999	17,096	10,622	-	10,622
液化天然ガス	t	60,869	49,924	30,946	2,481	28,465
都市ガス(A)	1000m³	36,665	23,806	19,447	-	19,447
都市ガス(B)	"	37,802	24,084	19,476	-	19,476
廃プラスチック	t	14,099	12,947	12,263	-	12,263
廃プラスチック	"	7,992	4,583	-	-	-
RPF	"	1,606	1,606	1,606	-	1,606
電 力	1000kWh	1,496,380	1,038,810	576,576	-	576,576
電 蒸	t	2,667,147	2,156,016	2,066,719	-	2,066,719

(令和3年1月)

(化学工業製品 Chemicals products industry)				その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products			ソーダ工業製品 Soda products		
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels			
84,741	49,508	35,233	103,122	1,048,349	Total (Crude petroleum equivalent)
33,829	28,196	5,633	-	57,799	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	...	-	-	13	Gasoline
-	-	-	-	9,535	Naphtha
-	...	...	...	-	Oil produced by conversion
-	-	-	-	2,772	Kerosene
-	-	-	-	216	Gas oils
-	-	-	-	9,111	Heavy Fuel oil total
-	-	-	-	1,116	Heavy Fuel oil A
-	-	-	-	7,995	Heavy Fuel oil B・C
-	-	-	-	4,441	Hydrocarbon oil
97	-	97	-	20,369	Liquefied petroleum gas
4,179	-	4,179	-	2,266	Hydrocarbon gas
32,768	32,768	-	-	3,360	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	168	Reproduction oil (Oil origin)
29,333	21,312	8,021	2,460	760,369	Non-oil based fuels (Crude petroleum equivalent)
16	16	-	-	927,974	Coal
-	...	-	2,678	9,133	Coal coke
-	-	-	-	35,550	Tar
997	-	997	-	101,153	Coke oven gas
-	-	-	-	109,776	Blast furnace gas
-	-	-	-	-	Converter furnace gas
126	126	-	112	8,399	Natural gas
16,129	12,518	3,611	181	8,440	Liquefied natural gas
2,151	...	2,151	67	5,863	Town gas(A)
2,254	...	2,254	70	6,119	Town gas(B)
-	-	-	-	-	Used tires
4,583	4,583	-	-	3,409	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
75,397	...	75,397	881,173	1,070,745	Electricity
210,723	...	210,723	270,424	1,889,082	Steam
88,911	49,508	39,403	152,325	1,141,727	Total (Crude petroleum equivalent)
40,776	28,196	12,580	7,988	101,231	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	227	13	Natural gas liquids
-	-	-	-	13	Gasoline
-	-	-	-	9,535	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	4	2,784	Kerosene
-	-	-	-	216	Gas oils
1,932	-	1,932	1,108	16,235	Heavy Fuel oil total
31	-	31	454	1,711	Heavy Fuel oil A
1,901	-	1,901	654	14,524	Heavy Fuel oil B・C
73	-	73	180	6,156	Hydrocarbon oil
97	-	97	151	20,495	Liquefied petroleum gas
6,671	-	6,671	9	18,735	Hydrocarbon gas
34,515	32,768	1,747	7,233	17,443	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	168	Reproduction oil (Oil origin)
41,849	21,312	20,537	101,452	962,602	Non-oil based fuels (Crude petroleum equivalent)
9,790	16	9,774	134,912	1,175,181	Coal
-	-	-	2,678	9,133	Coal coke
-	-	-	-	35,550	Tar
1,565	-	1,565	-	103,998	Coke oven gas
-	-	-	-	109,776	Blast furnace gas
-	-	-	-	-	Converter furnace gas
3,964	126	3,838	2,510	27,903	Natural gas
17,077	12,518	4,559	1,901	10,945	Liquefied natural gas
2,215	-	2,215	2,144	12,859	Town gas(A)
2,321	-	2,321	2,287	13,719	Town gas(B)
-	-	-	684	1,152	Used tires
4,583	4,583	-	-	3,409	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
37,053	-	37,053	425,181	457,570	Electricity
41,077	-	41,077	48,221	511,131	Steam

(January, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	616,153	473,548	379,017	324,964	54,053
石油系燃料（原油換算）	〃	110,958	101,443	57,683	56,019	1,665
ガソリン	〃	36	31	24	...	24
灯油	〃	1,660	911	236	163	73
軽油	〃	982	593	503	185	318
重油計	〃	34,049	32,251	2,568	1,594	974
A重油	〃	2,652	2,160	801	661	140
B・C重油	〃	31,397	30,091	1,767	933	834
炭化水素油	〃	17,574	17,574	16,703	16,519	184
液化石油ガス	t	1,710	442	-	-	-
オイルコークス	〃	32,580	28,912	22,826	22,826	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	22,532	20,877	16,681	16,651	30
非石油系燃料（原油換算）	kl	319,650	313,438	271,774	268,945	2,829
石炭	t	374,394	372,500	361,711	361,076	635
石炭コークス	〃	16,994	12,806	50	50	-
コークス炉ガス	1000m ³	23,023	23,023	176	-	176
高炉ガス	〃	2,382	2,382	127	-	127
転炉ガス	〃	19,701	19,701	2,232	-	2,232
電気炉ガス	〃	824	824	-	-	-
天然ガス	〃	1,374	1,374	-	-	-
液化天然ガス	t	56	56	-	-	-
都市ガス（A）	1000m ³	7,742	6,931	2,261	632	1,629
都市ガス（B）	〃	8,413	7,542	2,399	692	1,707
廃材	絶乾(Dry)t	51	51	51	51	-
廃タイヤ	t	5,568	5,568	5,568	5,568	-
廃プラスチック	〃	28,067	26,916	26,200	26,200	-
R P F	〃	1,622	1,622	30	30	-
電	力 1000kWh	1,364,197	571,510	496,288	...	496,288
蒸	気 t	848,401	79,603	49,088	...	49,088

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	740,935	514,097	420,236	324,964	95,273
石油系燃料（原油換算）	〃	123,881	113,432	68,401	56,019	12,383
ガソリン	〃	36	31	24	-	24
灯油	〃	1,844	1,095	236	163	73
軽油	〃	982	593	503	185	318
重油計	〃	36,032	33,475	2,737	1,594	1,143
A重油	〃	3,375	2,876	919	661	258
B・C重油	〃	32,657	30,599	1,818	933	885
炭化水素油	〃	17,574	17,574	16,703	16,519	184
液化石油ガス	t	1,710	442	-	-	-
オイルコークス	〃	44,967	41,164	35,075	22,826	12,249
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	22,536	20,881	16,685	16,651	34
非石油系燃料（原油換算）	kl	581,983	375,008	333,017	268,945	64,072
石炭	t	744,226	453,502	442,496	361,076	81,420
石炭コークス	〃	16,994	12,806	50	50	-
コークス炉ガス	1000m ³	23,023	23,023	176	-	176
高炉ガス	〃	2,382	2,382	127	-	127
転炉ガス	〃	19,701	19,701	2,232	-	2,232
電気炉ガス	〃	824	824	-	-	-
天然ガス	〃	10,857	7,144	5,733	-	5,733
液化天然ガス	t	56	56	-	-	-
都市ガス（A）	1000m ³	8,145	7,062	2,261	632	1,629
都市ガス（B）	〃	8,807	7,671	2,399	692	1,707
廃材	絶乾(Dry)t	51	51	51	51	-
廃タイヤ	t	7,585	5,707	5,703	5,568	135
廃プラスチック	〃	28,067	26,916	26,200	26,200	-
R P F	〃	2,123	2,123	531	30	501
電	力 1000kWh	369,241	271,297	201,438	-	201,438
蒸	気 t	10,453	6,078	1,153	-	1,153

(令和3年1月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
30,400	25,122	5,278	64,131	142,606	Total (Crude petroleum equivalent)	
20,913	20,024	888	22,847	9,515	Oil based fuels (Crude petroleum equivalent)	
2	...	2	5	5	Gasoline	
5	-	5	670	749	Kerosene	
4	-	4	86	389	Gas oils	
18,869	18,217	652	10,814	1,798	Heavy Fuel oil total	
652	-	652	707	492	Heavy Fuel oil A	
18,217	18,217	-	10,107	1,306	Heavy Fuel oil B・C	
-	-	-	871	-	Hydrocarbon oil	
441	269	172	1	1,268	Liquefied petroleum gas	
-	-	-	6,086	3,668	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,196	1,655	Reproduction oil (Oil origin)	
5,517	5,097	420	36,147	6,212	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	10,789	1,894	Coal	
-	-	-	12,756	4,188	Coal coke	
-	-	-	22,847	-	Coke oven gas	
-	-	-	2,255	-	Blast furnace gas	
-	-	-	17,469	-	Converter furnace gas	
-	-	-	824	-	Electric furnace gas	
782	782	-	592	-	Natural gas	
43	-	43	13	-	Liquefied natural gas	
3,885	3,566	319	785	811	Town gas(A)	
4,329	3,991	338	814	871	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	716	1,151	Waste plastic	
-	-	-	1,592	-	Refuse Paper & Plastic Fuel	
31,510	...	31,510	43,712	792,687	Electricity	
15,026	...	15,026	15,489	768,798	Steam	
29,678	25,121	4,557	64,183	226,838	Total (Crude petroleum equivalent)	
21,327	20,024	1,302	23,704	10,450	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	5	Gasoline	
57	-	57	802	749	Kerosene	
4	-	4	86	389	Gas oils	
19,208	18,217	991	11,530	2,557	Heavy Fuel oil total	
659	-	659	1,298	499	Heavy Fuel oil A	
18,549	18,217	332	10,232	2,058	Heavy Fuel oil B・C	
-	-	-	871	-	Hydrocarbon oil	
441	269	172	1	1,268	Liquefied petroleum gas	
-	-	-	6,089	3,803	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,196	1,655	Reproduction oil (Oil origin)	
5,587	5,096	491	36,404	206,974	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	11,006	290,724	Coal	
-	-	-	12,756	4,188	Coal coke	
-	-	-	22,847	-	Coke oven gas	
-	-	-	2,255	-	Blast furnace gas	
-	-	-	17,469	-	Converter furnace gas	
-	-	-	824	-	Electric furnace gas	
782	782	-	629	3,714	Natural gas	
43	-	43	13	-	Liquefied natural gas	
3,949	3,566	383	852	1,083	Town gas(A)	
4,395	3,990	405	877	1,135	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	4	1,878	Used tires	
-	-	-	716	1,151	Waste plastic	
-	-	-	1,592	-	Refuse Paper & Plastic Fuel	
27,136	-	27,136	42,723	97,943	Electricity	
3,465	-	3,465	1,460	4,375	Steam	

(January, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	鉄鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,768,346	5,226,671	368,047	18,970	2,728,949	56,886	295,374	177,117	
石 油 系 燃 料 (原 油 換 算)	kl	116,004	82,462	86	114	16,357	2,398	9,068	7,355	
ガ ソ リ ン	kl	120	37	-	-	-	-	-	-	
灯 油	kl	7,027	6,799	-	-	-	31	706	28	
軽 油	kl	1,972	1,776	-	-	3	48	160	160	
重 油	kl	30,264	30,111	-	106	53	1,899	1,360	395	
A 重 油	kl	14,338	14,185	-	-	53	425	1,216	395	
B・C 重 油	kl	15,926	15,926	-	106	-	1,474	144	-	
炭 化 水 素 油	kl	8,314	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	21,492	20,684	-	-	372	169	5,278	5,233	
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	45,526	18,484	100	-	18,384	-	-	-	
ア ス フ ェ ル ト	kl	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	113	113	-	-	-	80	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,691,744	4,243,541	332,485	16,618	2,652,944	39,876	144,572	114,523	
コークス製造用炭(原料炭)	t	3,239,395	303,301	-	-	303,301	-	-	-	
石 炭	kl	1,355,625	1,355,625	109,197	12,066	827,556	31,179	32,274	28,573	
石 炭 コ ー ク ス	kl	2,415,570	2,397,568	327,781	10,011	2,015,913	23,390	16,154	4,381	
タ ー ク ル	kl	7,834	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	809,154	664,096	22,365	1,865	87,258	280	33,860	32,478	
高 炉 ガ ス	kl	6,574,270	5,172,002	10,132	-	2,313,454	103	585	521	
転 炉 ガ ス	kl	368,696	319,806	868	-	98,454	246	2,482	2,340	
電 気 炉 ガ ス	kl	6,448	6,448	-	-	-	-	-	-	
天 然 ガ ス	kl	1,803	1,795	-	-	-	-	193	-	
液 化 天 然 ガ ス	t	32,098	32,083	-	-	14	303	486	1	
都 市 ガ ス (A)	1000m ³	178,368	172,482	313	-	4,786	3	7,974	2,864	
都 市 ガ ス (B)	kl	194,757	188,316	342	-	5,241	3	8,694	3,143	
酸 素	1000Nm ³	863,224	863,012	...	...	379,994	3,699	441,465	380,717
廢 材	絶乾(Dry)t	3,541	3,541	-	-	-	-	-	-	
廢 タ イ ヤ	t	541	541	-	-	-	-	541	541	
廢 プ ラ ス チ ッ ク	kl	18,564	3,116	-	-	2,410	-	706	706	
R P F	kl	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,165,903	4,814,376	367,589	23,204	422,485	154,789	1,303,760	395,847	
蒸 気	気 t	6,945,020	6,551,051	18,540	1,155	294,374	3,086	295,915	266,428	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,970,064	4,422,572	381,167	21,590	2,756,016	60,082	319,735	196,129
石 油 系 燃 料 (原 油 換 算)	kl	111,929	76,978	1,693	217	19,847	4,614	11,487	9,460
ガ ソ リ ン	kl	120	37	-	-	-	-	-	-
灯 油	kl	7,002	6,774	-	-	-	31	763	28
軽 油	kl	1,972	1,776	-	-	3	48	160	160
重 油	kl	26,752	25,996	1,179	106	2,237	3,915	2,921	1,697
A 重 油	kl	12,411	12,176	83	-	281	487	1,764	684
B・C 重 油	kl	14,341	13,820	1,096	106	1,956	3,428	1,157	1,013
炭 化 水 素 油	kl	8,314	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	21,181	19,783	262	79	1,259	202	5,834	5,789
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	45,526	18,484	100	-	18,384	-	-	-
ア ス フ ェ ル ト	kl	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	113	113	-	-	-	80	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,486,808	4,003,023	356,089	21,293	2,709,784	42,919	201,004	161,462
コークス製造用炭(原料炭)	t	3,239,395	303,301	-	-	303,301	-	-	-
石 炭	kl	1,209,774	1,193,038	113,996	13,888	846,863	31,949	61,222	49,925
石 炭 コ ー ク ス	kl	2,415,570	2,397,568	327,781	10,011	2,015,913	23,390	16,154	4,381
タ ー ク ル	kl	7,834	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	763,747	609,390	30,686	3,132	102,087	816	46,854	45,003
高 炉 ガ ス	kl	5,933,456	4,362,107	146,543	28,117	2,626,164	11,993	233,374	230,203
転 炉 ガ ス	kl	330,776	276,024	6,402	326	109,689	384	12,010	11,449
電 気 炉 ガ ス	kl	6,448	5,135	-	-	-	4,952	-	-
天 然 ガ ス	kl	1,803	1,795	-	-	-	-	193	-
液 化 天 然 ガ ス	t	30,653	30,493	72	-	98	303	1,256	176
都 市 ガ ス (A)	1000m ³	167,494	159,827	2,148	101	8,809	46	12,693	5,087
都 市 ガ ス (B)	kl	182,907	174,515	2,344	111	9,625	50	13,853	5,566
酸 素	1000Nm ³	863,224	863,012	...	...	379,994	3,699	441,465	380,717
廢 材	絶乾(Dry)t	1,618	1,618	-	-	-	-	-	-
廢 タ イ ヤ	t	541	541	-	-	-	-	541	541
廢 プ ラ ス チ ッ ク	kl	18,564	3,116	-	-	2,410	-	706	706
R P F	kl	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,672,495	3,425,946	245,638	277	265,008	133,124	1,125,116	244,432
蒸 気	気 t	429,680	345,466	7,738	787	25,076	2,383	37,351	35,728

(令和3年1月)

(鉄鋼製品 Iron and steel products)						コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others			
118,257	13,137	4,198	519,671	957,695	263,745	2,501,808	39,868	Total
1,713	1,864	1,828	14,511	25,293	10,943	31,882	1,660	(Crude petroleum equivalent)
-	-	-	1	-	36	-	83	Oil based fuels
678	444	772	3,109	155	1,582	2	226	(Crude petroleum equivalent)
-	47	9	7	-	1,502	18	178	Gasoline
965	1,291	473	4,473	17,786	2,670	-	153	Kerosene
821	1,291	469	3,727	4,429	2,575	-	153	Gas oils
144	-	4	746	13,357	95	-	-	Heavy Fuel oil total
-	-	-	-	-	-	8,314	-	Heavy Fuel oil A
45	78	475	5,416	4,842	4,054	-	808	Heavy Fuel oil B・C
-	-	-	3	-	-	-	-	Hydrocarbon oil
-	-	-	-	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	27,042	-	Hydrocarbon gas
33	-	-	-	-	-	-	-	Petroleum coke
30,049	7,140	722	341,962	636,552	70,671	2,437,384	10,818	Asphalt
-	-	-	-	-	-	-	-	Reproduction oil (Oil origin)
3,701	-	-	-	-	-	2,936,094	-	Non-oil based fuels
11,773	-	2	-	343,353	-	...	-	(Crude petroleum equivalent)
-	-	-	-	-	4,317	17,812	190	Coal for making coke (material coal)
1,382	554	35	339,726	150,236	27,917	141,068	3,990	Coal
64	310	-	148,854	2,528,296	170,268	1,401,691	577	Coal coke
142	685	-	91,885	120,367	4,819	38,038	10,852	Tar
-	-	-	-	6,448	-	-	-	Coke oven gas
193	104	-	1,122	229	147	-	8	Blast furnace gas
485	1,317	132	20,905	4,785	4,141	-	15	Converter furnace gas
5,110	3,998	413	84,090	49,227	21,678	616	5,270	Electric furnace gas
5,551	4,377	449	91,684	53,743	23,783	674	5,767	Natural gas
60,748	270	210	11,418	...	25,956	...	212	Liquefied natural gas
-	-	-	-	3,541	-	-	-	Town gas(A)
-	-	-	-	-	-	-	-	Town gas(B)
-	-	-	-	-	-	-	-	Oxygen
907,913	43,679	16,772	1,370,271	141,077	970,750	172,816	178,711	Waste material
29,487	1,004	1,259	516,923	4,090,282	1,328,513	238,225	155,744	Used Tires
123,606	13,265	4,211	570,128	-	296,378	2,497,073	50,420	Waste plastic
2,027	1,865	1,835	18,992	-	16,429	32,525	2,426	Refuse Paper & Plastic Fuel
-	-	-	1	-	36	-	83	Electricity
735	444	772	3,112	-	1,652	2	226	Steam
-	47	9	7	-	1,502	18	178	
1,224	1,292	479	7,344	-	6,522	417	339	
1,080	1,292	475	4,396	-	3,397	1	235	
144	-	4	2,948	-	3,125	416	104	
-	-	-	-	-	-	8,314	-	
45	78	475	6,518	-	5,075	149	1,249	
-	-	-	3	-	-	-	-	
-	-	-	-	-	-	27,042	-	
-	-	-	-	-	-	-	-	
33	-	-	-	-	-	-	-	
39,542	7,367	745	459,372	-	204,451	2,451,158	32,628	
-	-	-	-	-	-	2,936,094	-	
11,298	-	-	61,060	-	64,060	2,241	14,494	
11,773	-	2	-	-	4,317	17,812	190	
-	-	-	-	-	-	7,834	-	
1,852	555	35	364,053	-	61,171	146,613	7,744	
3,172	327	-	606,535	-	709,053	1,479,577	91,772	
561	685	-	114,079	-	32,449	42,041	12,711	
-	-	-	-	-	183	-	1,313	
193	104	-	1,311	-	187	-	8	
1,080	1,470	132	21,811	-	5,351	93	67	
7,607	4,004	432	96,731	-	34,862	1,626	6,042	
8,287	4,384	470	105,485	-	38,191	1,780	6,612	
60,748	270	210	11,418	...	25,956	...	212	
-	-	-	739	-	879	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	15,448	-	
880,684	42,694	16,686	936,731	-	660,671	126,068	120,482	
1,624	906	1,154	66,941	-	203,130	24,061	60,153	

(January, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper 溶錬工程 Fusing and mixing process		電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	98,880	86,764	32,024	24,497	7,526	7,019	6,248	771	
石油系燃料 (原油換算)	"	20,947	18,712	7,184	7,184	-	812	405	407	
ガソリン	"	5	5	-	-	-	-	-	-	
灯油	"	1,231	331	83	83	-	1	1	-	
軽油	"	307	104	5	5	-	-	-	-	
重油計	"	11,173	10,605	5,677	5,677	-	480	182	298	
A重油	"	4,699	4,181	927	927	-	480	182	298	
B・C重油	"	6,474	6,424	4,750	4,750	-	-	-	-	
炭化水素油	"	3,620	3,142	459	459	-	-	-	-	
液化石油ガス	t	584	493	370	370	-	1	-	1	
オイルコークス	"	206	206	99	99	-	107	107	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,973	2,973	-	-	-	226	124	102	
非石油系燃料 (原油換算)	kl	25,197	24,848	4,243	4,243	-	4,948	4,948	-	
石炭	t	5,434	5,434	5,280	5,280	-	140	140	-	
石炭コークス	"	14,917	14,900	503	503	-	5,592	5,592	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	25,507	25,507	-	-	-	6,504	6,504	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	225	225	-	-	-	-	-	-	
液化天然ガス	t	2,113	2,113	216	216	-	45	45	-	
都市ガス (A)	1000m ³	4,259	3,970	-	-	-	-	-	-	
都市ガス (B)	"	4,488	4,172	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電力	1000kWh	459,997	379,655	160,665	99,075	61,590	12,122	8,388	3,734	
蒸気	t	143,896	114,114	81,751	55,754	25,997	1,900	1,657	243	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	91,811	80,194	25,647	19,876	5,771	7,073	6,301	772
石油系燃料 (原油換算)	"	22,025	19,455	7,683	7,536	147	840	429	411
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,271	371	123	83	40	1	1	-
軽油	"	307	104	5	5	-	-	-	-
重油計	"	12,168	11,274	6,104	6,004	101	509	206	302
A重油	"	5,158	4,412	933	932	1	509	206	302
B・C重油	"	7,011	6,862	5,172	5,072	100	-	-	-
炭化水素油	"	3,620	3,142	459	459	-	-	-	-
液化石油ガス	t	584	493	370	370	-	1	-	1
オイルコークス	"	206	206	99	99	-	107	107	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,973	2,973	-	-	-	226	124	102
非石油系燃料 (原油換算)	kl	27,031	26,199	4,243	4,243	-	5,137	5,137	-
石炭	t	5,434	5,434	5,280	5,280	-	140	140	-
石炭コークス	"	14,917	14,900	503	503	-	5,592	5,592	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	37,823	34,126	-	-	-	8,300	8,300	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	225	225	-	-	-	-	-	-
液化天然ガス	t	2,225	2,192	216	216	-	61	61	-
都市ガス (A)	1000m ³	4,714	4,344	-	-	-	-	-	-
都市ガス (B)	"	4,997	4,592	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電力	1000kWh	427,840	355,138	139,695	85,148	54,546	11,489	7,755	3,734
蒸気	t	42,767	21,753	10,496	2,536	7,959	386	184	203

(令和3年1月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
24,857	15,879	8,978	8,198	11,985	2,682	12,116	Total (Crude petroleum equivalent)	
990	382	608	1,834	7,511	381	2,235	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
4	4	-	167	69	7	900	Kerosene	
8	8	-	14	77	-	203	Gas oils	
524	349	175	1,500	2,245	179	568	Heavy Fuel oil total	
321	146	175	254	2,020	179	518	Heavy Fuel oil A	
203	203	-	1,246	225	-	50	Heavy Fuel oil B・C	
-	-	-	-	2,683	-	478	Hydrocarbon oil	
3	3	-	45	70	4	91	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
416	-	416	-	2,149	182	-	Reproduction oil (Oil origin)	
9,300	1,702	7,598	2,763	3,363	230	349	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	14	-	Coal	
8,775	1,344	7,431	-	-	30	17	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
19,003	648	18,355	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	225	-	-	-	Natural gas	
639	401	238	248	830	135	-	Liquefied natural gas	
57	57	-	1,838	2,069	6	289	Town gas(A)	
64	64	-	2,039	2,062	7	317	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
148,681	144,066	4,615	38,543	11,942	7,702	80,342	Electricity	
10,643	5,688	4,955	227	-	19,593	29,782	Steam	
25,098	15,946	9,153	8,210	11,985	2,181	11,617	Total (Crude petroleum equivalent)	
1,104	414	690	1,834	7,511	482	2,570	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
4	4	-	167	69	7	900	Kerosene	
8	8	-	14	77	-	203	Gas oils	
637	381	257	1,500	2,245	279	894	Heavy Fuel oil total	
434	178	257	254	2,020	262	746	Heavy Fuel oil A	
203	203	-	1,246	225	16	149	Heavy Fuel oil B・C	
-	-	-	-	2,683	-	478	Hydrocarbon oil	
3	3	-	45	70	4	91	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
416	-	416	-	2,149	182	-	Reproduction oil (Oil origin)	
10,361	2,132	8,230	2,764	3,363	330	832	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	14	-	Coal	
8,775	1,344	7,431	-	-	30	17	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
25,050	688	24,362	-	-	776	3,697	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	225	-	-	-	Natural gas	
694	401	293	248	830	142	34	Liquefied natural gas	
415	415	-	1,838	2,069	22	370	Town gas(A)	
465	465	-	2,040	2,062	25	405	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
146,552	144,047	2,504	38,543	11,942	6,917	72,702	Electricity	
-	-	-	379	-	10,493	21,014	Steam	

(January, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合 計 (原 油 換 算)	kl	300,456	220,070	3,713	5,463	22,243
石 油 系 燃 料 (原 油 換 算)	〃	21,777	12,136	500	1,224	411
ガ ソ リ ン	〃	3,758	2,260	-	2	-
灯 油	〃	3,398	1,943	8	185	57
軽 油	〃	1,976	449	207	3	1
重 油 計	〃	4,986	1,814	2	962	83
A 重 油	〃	4,986	1,814	2	962	83
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	-	-	-	-	-
液 化 石 油 ガ ス	t	6,460	4,695	222	60	209
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	71,207	47,327	1,153	679	948
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	541	541	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	1,459	1,459	-	-	-
液 化 天 然 ガ ス	t	3,525	1,236	-	114	41
都 市 ガ ス (A)	1000m ³	55,551	37,730	986	445	760
都 市 ガ ス (B)	〃	60,467	41,028	1,086	488	838
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,230,324	1,726,537	22,141	38,270	224,504

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	360,915	270,548	3,866	6,284	30,059
石 油 系 燃 料 (原 油 換 算)	〃	26,991	16,991	565	1,346	1,612
ガ ソ リ ン	〃	3,758	2,260	-	2	-
灯 油	〃	3,482	2,009	8	242	66
軽 油	〃	2,010	479	207	3	3
重 油 計	〃	8,142	4,650	29	1,030	135
A 重 油	〃	8,142	4,650	29	1,030	135
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	-	-	-	-	-
液 化 石 油 ガ ス	t	7,950	6,173	252	60	1,088
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	153,859	115,653	1,331	1,629	9,782
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	541	541	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	3,879	3,863	-	-	886
液 化 天 然 ガ ス	t	8,528	5,093	-	187	180
都 市 ガ ス (A)	1000m ³	118,356	89,661	1,136	1,173	7,464
都 市 ガ ス (B)	〃	129,132	97,745	1,253	1,285	8,055
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	1,935,705	1,482,466	21,180	35,567	200,649

(令和3年1月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
59,973	4,065	124,613	80,386	Total
576	87	9,338	9,642	(Crude petroleum equivalent)
2	-	2,256	1,498	Oil based fuels
8	9	1,676	1,455	(Crude petroleum equivalent)
-	6	232	1,527	Gasoline
186	34	547	3,172	Kerosene
186	34	547	3,172	Gas oils
-	-	-	-	Heavy Fuel oil total
-	-	-	-	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
293	30	3,881	1,765	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,335	212	42,999	23,880	Non-oil based fuels
-	-	-	-	(Crude petroleum equivalent)
-	-	541	-	Coal
-	-	-	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
4	-	1,455	-	Natural gas
-	-	1,081	2,289	Liquefied natural gas
1,138	182	34,219	17,821	Town gas(A)
1,253	200	37,163	19,439	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
624,172	40,477	776,973	503,787	Electricity
72,077	4,079	154,185	90,367	Total
1,766	87	11,615	10,000	(Crude petroleum equivalent)
2	-	2,256	1,498	Oil based fuels
8	9	1,676	1,473	(Crude petroleum equivalent)
-	6	260	1,531	Gasoline
885	34	2,538	3,492	Kerosene
885	34	2,538	3,492	Gas oils
-	-	-	-	Heavy Fuel oil total
-	-	-	-	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
670	30	4,074	1,777	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
18,267	242	84,403	38,205	Non-oil based fuels
-	-	-	-	(Crude petroleum equivalent)
-	-	541	-	Coal
-	-	-	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
4	-	2,973	16	Natural gas
-	-	4,726	3,435	Liquefied natural gas
15,652	207	64,029	28,695	Town gas(A)
17,196	228	69,728	31,386	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
559,470	40,305	625,295	453,239	Electricity

(January, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	625,037	9,202	4,963
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	28	-	-	-	7
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	28
板 ガ ラ ス Sheet Glass	...	-	-	-	22
石 灰 Lime	...	-	-	-	180
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	115
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	209
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	32

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭コークスにはピッチコークスを含む。

(令和3年1月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
8,177	417	23,122	73,914	16,786	58,017	-
-	113	1,385	382	94,674	31,612	-
-	160	1,520	20	17,006	263,217	998
13	1,601	14,692	-	135,055	557,737	498
-	95	16,866	90	-	-	-
25	1,348	5,043	-	3,905	22,879	7,035
-	818	2,247	22	-	20,254	30
-	237	-	-	35	27	4,510
1	325	133	0	-	-	6,318
1	71	83	7	-	-	-
10	252	75	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(January, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	550,652	-	149,569	6,061	-
石 油 系 燃 料 (原 油 換 算)	"	73,472	-	7,849	5,232	-
原 ガ ソ リ ン	"	304	-	...	304	...
ナ フ サ	"	4	-	-	-	-
改 質 生 成 油	"	7,138	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	221	-	55	-	-
A 重 油	"	96	-	-	-	-
B・C 重 油	"	3,841	-	54	22	-
炭 化 水 素 油	"	13,800	-	5,512	-	-
液 化 石 油 ガ ス	t	162	-	162	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	4,722	-	299	3,813	-
オ イ ル コ ー ク ス	t	26,395	-	-	-	-
ア ス フ ェ ル ト	"	7,299	-	755	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		615	-	563	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	455,540	-	137,924	139	-
石 炭 コ ー ク ス	t	390,553	-	128,622	-	-
コ ー ク ス 炉 ガ ス	1000m ³	83,928	-	370	-	-
高 炉 ガ ス	"	43,686	-	-	-	-
液 化 天 然 ガ ス	t	302,120	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,252	-	164	98	-
回 収 黒 液	絶乾(Dry)t	224	-	-	-	-
廃 プ ラ ス チ ッ ク	t	117,424	-	117,424	...	...
R P F	"	3,301	-	8	-	-
		1,920	-	1,920	-	-
電 力	1000kWh	526,217	-	262,926	5,626	-
う ち 購 入 分	"	130,620	-	21,607	5,626	-
蒸 気	t	3,083,091	-	1,742,864	10,618	-
う ち 受 入 分	"	111,460	-	-	2,427	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	431,679	-	171,835	70,926	167
石 油 系 燃 料 (原 油 換 算)	"	140,863	-	11,918	57,309	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	6,232	-	-	-	-
灯 油	"	54,093	-	-	54,093	-
軽 油	"	2,298	-	10	-	-
A 重 油	"	196	-	4	-	-
B・C 重 油	"	5,310	-	749	513	-
炭 化 水 素 油	"	13,033	-	9,213	-	-
液 化 石 油 ガ ス	t	1,433	-	344	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	7,165	-	171	6,596	-
オ イ ル コ ー ク ス	t	39,287	-	-	873	-
ア ス フ ェ ル ト	"	3,041	-	497	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,396	-	171	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	253,806	-	157,419	11,078	-
石 炭 コ ー ク ス	t	199,915	-	103,315	15,169	-
コ ー ク ス 炉 ガ ス	1000m ³	11,075	-	-	-	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	39,662	-	-	-	-
都 市 ガ ス (B)	1000m ³	6,744	-	-	600	-
回 収 黒 液	絶乾(Dry)t	2,145	-	-	-	-
廃 プ ラ ス チ ッ ク	t	171,655	-	171,655	...	...
R P F	"	2,845	-	263	-	-
		11,149	-	11,124	-	-
電 力	1000kWh	775,794	-	314,626	41,786	693
う ち 購 入 分	"	364,028	-	26,854	17,121	693
蒸 気	t	2,737,625	-	2,166,350	169,054	1,486
う ち 受 入 分	"	32,964	-	-	13,678	1,486

(令和3年1月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
48,801	44,908	-	296,548	-	4,765	Total (Crude petroleum equivalent)
48,801	1,515	-	9,806	-	270	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	4	-	-	-	-	Gasoline
7,138	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
3	11	-	152	-	-	Kerosene
1	7	-	88	-	-	Gas oils
-	357	-	3,201	-	207	Heavy Fuel oil A
7,287	1,001	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
-	-	-	562	-	48	Liquefied petroleum gas
26,395	-	-	-	-	-	Hydrocarbon gas
-	-	-	6,544	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	52	-	-	-	-	Reproduction oil (Oil origin)
-	41,741	-	272,057	-	3,679	Non-oil based fuels (Crude petroleum equivalent)
-	58,253	-	203,678	-	-	Coal
-	50	-	83,508	-	-	Coal coke
-	180	-	43,506	-	-	Coke oven gas
-	-	-	302,120	-	-	Blast furnace gas
-	-	-	556	-	2,434	Liquefied natural gas
-	-	-	-	-	224	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,819	-	474	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
34,854	53,171	-	142,750	-	26,890	Electricity
-	17,737	-	76,872	-	8,778	among those purchased
214,066	129,710	-	985,833	-	...	Steam
-	39	-	108,994	-	...	among those accepted
56,904	24,664	1,668	60,493	33,225	11,797	Total (Crude petroleum equivalent)
56,903	3,267	287	5,526	3,408	2,244	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
6,232	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	25	10	218	285	1,750	Kerosene
-	106	1	10	65	10	Gas oils
2	138	274	1,993	1,178	463	Heavy Fuel oil A
848	77	-	2,716	179	-	Heavy Fuel oil B・C
-	391	-	-	698	-	Hydrocarbon oil
-	-	1	286	22	89	Liquefied petroleum gas
38,414	-	-	-	-	-	Hydrocarbon gas
-	2,437	-	-	107	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	401	-	-	824	-	Reproduction oil (Oil origin)
-	18,913	311	44,251	17,260	4,574	Non-oil based fuels (Crude petroleum equivalent)
-	24,525	-	51,690	5,216	-	Coal
-	-	-	1,147	9,928	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	39,662	-	Blast furnace gas
-	-	220	4,377	1,547	-	Liquefied natural gas
-	-	-	-	431	1,714	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,582	-	-	-	-	Waste plastic
-	25	-	-	-	-	Refuse Paper & Plastic Fuel
37,419	30,086	11,428	147,333	132,388	60,035	Electricity
3	26,707	7,186	115,198	116,739	53,527	among those purchased
207,211	23,208	-	13,214	157,102	...	Steam
-	-	-	-	17,800	...	among those accepted

(January, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,652,542	31,928	192,728	2,607,549	12,497
石 油 系 燃 料 (原 油 換 算)	"	2,914,363	3,520	19,596	2,334,640	94
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	852	4	1	6	1
改 質 生 成 油	"	1,355,664	-	-	1,355,518	-
灯 質 生 成 油	"	438,085	-	-	438,085	-
軽 油	"	49,409	105	238	23,208	-
A 重 油	"	18,959	156	33	16,771	-
B ・ C 重 油	"	9,273	408	1,248	204	-
炭 化 水 素 油	"	107,337	259	16,661	13,723	-
液 化 石 油 ガ ス	t	56,189	-	-	36,812	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	271,373	14	20	247,200	72
オ イ ル コ ー ク ス	t	519,785	-	-	249,627	-
ア ス フ ェ ル ト	"	58,345	2,971	-	51,783	-
再 生 油 (石 油 由 来)	kl	21,174	-	-	-	-
		8,528	-	60	1,892	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,408,450	21,076	159,654	124,747	12,257
石 炭 コ ー ク ス	t	1,425,060	12,086	20,083	12,086	-
コ ー ク ス 炉 ガ ス	1000m ³	728,322	3,183	-	3,183	-
高 炉 ガ ス	"	251,618	-	-	2,942	-
液 化 天 然 ガ ス	t	1,995,877	-	-	-	-
都 市 ガ ス (B)	1000m ³	28,118	-	5,332	17,250	-
回 収 黒 液	絶乾(Dry)t	200,377	-	44,498	22,745	11,541
廃 プ ラ ス チ ッ ク	t	128,770	-	128,770	...	...
R P F	"	22,948	-	24	4,583	-
	"	17,507	-	14,543	-	-
電 力	1000kWh	3,868,112	87,816	421,802	1,036,363	26,005
う ち 購 入 分	"	2,324,287	51,033	130,415	684,622	1,573
蒸 気	t	11,856,497	92,641	2,069,203	4,419,645	59,405
う ち 受 入 分	"	1,550,543	17,187	19,479	1,186,075	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,869,650	5,828	117,459	608,328	14,779
石 油 系 燃 料 (原 油 換 算)	"	780,843	72	19,658	528,538	4,361
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,317	8	1	-	-
改 質 生 成 油	"	210,396	-	-	207,381	-
灯 質 生 成 油	"	224,311	-	-	224,311	-
軽 油	"	5,045	45	63	29	152
A 重 油	"	884	3	43	5	5
B ・ C 重 油	"	12,225	20	517	522	500
炭 化 水 素 油	"	57,362	-	10,152	5,570	258
液 化 石 油 ガ ス	t	25,849	-	3,284	16,927	38
石 油 系 炭 化 水 素 ガ ス	1000m ³	47,444	-	129	37,405	83
オ イ ル コ ー ク ス	t	126,176	-	-	39,414	-
ア ス フ ェ ル ト	"	64,047	-	5,066	35,249	3,817
再 生 油 (石 油 由 来)	kl	2,585	-	-	-	-
		10,841	-	145	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	918,886	4,574	90,465	52,118	5,462
石 炭 コ ー ク ス	t	509,109	-	9,602	37,063	-
コ ー ク ス 炉 ガ ス	1000m ³	225,536	-	-	-	-
高 炉 ガ ス	"	73,166	-	-	-	-
液 化 天 然 ガ ス	t	924,512	-	-	-	-
都 市 ガ ス (B)	1000m ³	29,744	-	2,191	18,773	202
回 収 黒 液	絶乾(Dry)t	104,146	4,307	2,138	553	4,874
廃 プ ラ ス チ ッ ク	t	140,811	-	140,811	...	...
R P F	"	8,695	-	3,897	-	-
	"	7,665	-	7,657	-	-
電 力	1000kWh	2,420,512	15,259	222,291	269,142	59,159
う ち 購 入 分	"	1,580,285	12,703	61,085	111,660	42,743
蒸 気	t	4,764,850	-	1,258,481	1,222,758	94,399
う ち 受 入 分	"	313,056	-	23,921	248,416	14,191

(令和3年1月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
550,403	117,461	13,466	2,088,292	12,978	89,098	Total (Crude petroleum equivalent)
503,806	26,239	1,797	18,991	2,895	9,825	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
5	6	-	32	5	800	Gasoline
146	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
23,797	199	2	795	50	1,225	Kerosene
18	631	6	374	61	1,221	Gas oils
3,278	775	69	1,098	942	2,067	Heavy Fuel oil A
59,311	9,919	1,547	6,022	413	-	Heavy Fuel oil B・C
13,158	2,437	-	3,205	577	-	Hydrocarbon oil
17,267	78	38	3,050	37	3,625	Liquefied petroleum gas
270,155	-	-	3	-	-	Hydrocarbon gas
-	6,078	-	3,455	-	-	Petroleum coke
21,174	-	-	-	-	-	Asphalt
-	5,857	-	-	719	-	Reproduction oil (Oil origin)
13,244	80,547	9,734	1,984,624	2,276	42,444	Non-oil based fuels (Crude petroleum equivalent)
6,890	67,611	-	1,330,476	-	-	Coal
-	7,687	-	718,940	1,344	351	Coal coke
-	8,919	-	239,757	-	-	Coke oven gas
-	-	-	1,995,877	-	-	Blast furnace gas
-	43	2,643	607	89	2,154	Liquefied natural gas
447	2,781	5,648	75,021	844	36,851	Town gas(B)
...	...	...	...	...	...	Black liquor
-	9,074	-	9,267	-	-	Waste plastic
-	2,964	-	-	-	-	Refuse Paper & Plastic Fuel
382,944	190,628	22,866	1,340,770	81,293	453,257	Electricity
109,533	96,898	20,793	895,646	39,934	395,906	among those purchased
2,919,297	344,503	1,640	2,131,580	3,865	...	Steam
335,132	3,817	-	19,698	3,529	...	among those accepted
178,612	57,495	4,989	730,575	11,155	152,086	Total (Crude petroleum equivalent)
160,276	32,395	1,368	22,099	4,303	7,917	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,313	Gasoline
3,015	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	530	7	4,065	33	210	Kerosene
7	79	-	418	52	278	Gas oils
4,493	200	146	1,300	517	4,050	Heavy Fuel oil A
29,699	9,580	748	319	1,036	-	Heavy Fuel oil B・C
-	4,192	-	-	1,408	-	Hydrocarbon oil
3,143	-	-	4,833	122	1,729	Liquefied petroleum gas
86,762	-	-	-	-	-	Hydrocarbon gas
-	8,365	-	11,550	-	-	Petroleum coke
2,585	-	-	-	-	-	Asphalt
-	9,372	392	-	932	-	Reproduction oil (Oil origin)
16,048	21,196	2,875	662,190	2,770	70,338	Non-oil based fuels (Crude petroleum equivalent)
15,299	15,550	-	431,595	-	-	Coal
-	711	-	223,956	869	-	Coal coke
-	4,030	-	69,136	-	-	Coke oven gas
-	-	-	924,512	-	-	Blast furnace gas
4,054	-	500	3,495	-	529	Liquefied natural gas
-	4,585	2,041	27,656	1,995	64,611	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,916	-	2,882	-	-	Waste plastic
-	8	-	-	-	-	Refuse Paper & Plastic Fuel
173,524	64,793	8,572	689,047	32,454	916,789	Electricity
6,776	41,838	8,020	495,705	31,470	793,691	among those purchased
1,593,677	78,877	588	516,070	-	...	Steam
23,972	178	-	2,378	-	...	among those accepted

(January, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	2,033,121	35,484	45,373	723,796	69,255
石油系燃料(原油換算)	"	596,246	150	953	422,744	1,267
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	479	2	1	8	2
改 質 生 成 油	"	195,173	-	-	195,008	-
灯 油	"	162,488	-	-	162,488	-
軽 油	"	2,151	15	1	233	-
A 重 油	"	669	103	17	28	8
B・C 重 油	"	3,691	30	171	-	662
炭 化 水 素 油	"	58,978	-	12	46,128	546
液 化 石 油 ガ ス	t	12,327	-	-	3,350	-
石油系炭化水素ガス	1000m ³	37,631	2	6	31,594	2
オ イ ル コ ー ク ス	t	111,496	-	-	14,426	-
ア ス フ ァ ル ト	"	7,015	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,803	-	714	-	-
非石油系燃料(原油換算)	kl	1,328,902	24,929	42,569	277,651	58,362
石 炭 コ ー ク ス	t	953,686	20,668	9,150	321,604	46,666
コ ー ク ス 炉 ガ ス	1000m ³	289,387	-	-	-	-
高 炉 ガ ス	"	140,541	-	-	16,305	-
液 化 天 然 ガ ス	t	1,146,586	-	-	109,776	-
都 市 ガ ス (B)	t	34,549	2,008	-	18,527	396
回 収 黒 液	1000m ³	152,034	7,675	20,128	14,961	24,792
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	28,926	-	28,926	...	...
R P F	t	169	-	-	-	-
	"	416	-	411	-	-
電 力	1000kWh	1,848,258	161,957	85,910	272,923	205,719
う ち 購 入 分	"	924,346	111,856	19,893	154,779	94,470
蒸 気	t	4,004,928	208,683	491,385	873,994	624,540
う ち 受 入 分	"	317,975	-	-	130,255	12,123

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,849,289	287,607	100,569	1,494,352	53,068
石油系燃料(原油換算)	"	1,425,504	5,140	17,096	1,101,723	21,335
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	99	84	-	1	1
改 質 生 成 油	"	574,975	-	-	570,025	-
灯 油	"	305,869	-	-	305,869	-
軽 油	"	61,022	533	31	59,358	50
A 重 油	"	596	42	13	6	-
B・C 重 油	"	10,507	71	199	902	192
炭 化 水 素 油	"	91,996	3,541	11,377	18,883	7,288
液 化 石 油 ガ ス	t	35,571	-	-	29,982	-
石油系炭化水素ガス	1000m ³	60,611	485	-	52,167	172
オ イ ル コ ー ク ス	t	216,912	-	-	106,898	-
ア ス フ ァ ル ト	"	109,527	-	4,822	32,768	15,108
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		892	-	401	-	-
非石油系燃料(原油換算)	kl	2,241,801	277,610	80,886	340,814	29,360
石 炭 コ ー ク ス	t	1,753,569	401,033	19,622	448,618	37,242
コ ー ク ス 炉 ガ ス	1000m ³	695,284	3,588	-	3,398	-
高 炉 ガ ス	"	194,493	-	-	1,363	-
液 化 天 然 ガ ス	t	1,524,787	-	-	-	-
都 市 ガ ス (B)	t	22,039	-	212	10,847	603
回 収 黒 液	1000m ³	44,272	1,064	1,425	1,948	3,193
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	139,397	-	139,397	...	...
R P F	t	3,137	1,696	80	1,696	-
	"	10,921	-	9,315	1,606	-
電 力	1000kWh	3,023,915	758,899	184,775	1,124,133	87,840
う ち 購 入 分	"	1,534,688	35,692	27,803	209,032	11,291
蒸 気	t	10,092,427	3,147,920	1,327,231	5,344,479	622,480
う ち 受 入 分	"	567,446	22,232	-	468,315	19,134

(令和3年1月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
145,857	59,142	18,758	956,951	3,984	45,489	Total
136,749	24,165	1	5,951	1,082	3,483	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
1	4	-	-	-	465	(Crude petroleum equivalent)
165	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
1,365	165	1	125	41	235	Naphtha
3	11	-	300	36	369	Oil produced by conversion
139	585	-	376	824	964	Kerosene
5,947	6,199	-	146	-	-	Gas oils
-	8,977	-	-	-	-	Heavy Fuel oil A
642	364	-	3,839	6	1,180	Heavy Fuel oil B・C
97,070	-	-	-	-	-	Hydrocarbon oil
-	7,015	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	891	-	32	166	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
7,566	32,737	15,107	892,938	2,271	24,629	Non-oil based fuels
-	43,142	-	553,792	-	-	(Crude petroleum equivalent)
-	515	-	288,872	-	-	Coal
-	2,082	-	122,154	-	-	Coal coke
-	1,725	-	1,035,085	-	-	Coal oven gas
5,353	-	2,982	6,696	358	2,245	Blast furnace gas
-	904	10,256	66,803	1,662	20,203	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	169	-	-	-	-	Black liquor
-	5	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
99,098	69,767	44,100	1,005,487	6,762	220,449	Electricity
16,507	24,068	39,231	493,783	6,667	186,804	among those purchased
565,458	309,810	7,476	1,339,906	1,042	...	Steam
86	16	-	175,471	24	...	among those accepted
261,670	316,207	69	1,857,961	10,553	42,447	Total
244,837	10,741	-	29,538	2,359	3,014	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	83	-	95	(Crude petroleum equivalent)
4,950	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
36	688	-	961	184	247	Naphtha
1	35	-	378	89	116	Oil produced by conversion
523	778	-	5,850	1,201	933	Kerosene
46,997	4,024	-	6,147	821	-	Gas oils
-	480	-	5,109	-	-	Heavy Fuel oil A
2,693	269	-	4,520	3	1,272	Heavy Fuel oil B・C
110,014	-	-	-	-	-	Hydrocarbon oil
47,401	4,155	-	5,273	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	491	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
13,121	300,231	-	1,735,738	1,768	17,492	Non-oil based fuels
-	422,879	-	1,226,241	-	-	(Crude petroleum equivalent)
-	7,041	-	685,974	2,269	190	Coal
-	3,356	-	189,774	-	-	Coal coke
-	657	-	1,524,130	-	-	Coal oven gas
9,283	13	-	988	-	93	Blast furnace gas
-	566	-	23,122	64	15,018	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	1,696	-	1,361	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
187,029	753,582	737	1,091,324	69,855	283,539	Electricity
33,509	52,969	737	933,046	66,124	235,869	among those purchased
1,512,661	2,940,165	-	1,452,686	40,645	...	Steam
8,601	4,439	-	85,214	3,975	...	among those accepted

(January, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	890,592	-	275,566	484,296	30,457
石 油 系 燃 料 (原 油 換 算)	"	317,663	-	99,372	168,823	11,669
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	23	-	4	-	-
改 質 生 成 油	"	207	-	-	207	-
灯 油	"	147,240	-	-	147,240	-
軽 油	"	1,255	-	4	504	-
A 重 油	"	312	-	215	-	-
B ・ C 重 油	"	3,219	-	2,025	7	-
炭 化 水 素 油	"	28,686	-	5,297	9,098	6,843
液 化 石 油 ガ ス	t	3,012	-	-	1,400	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	78,743	-	70,503	4,161	-
オ イ ル コ ー ク ス	t	32,567	-	-	17,484	-
ア ス フ ァ ル ト	"	6,215	-	-	284	4,971
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		212	-	120	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	516,807	-	172,037	283,181	17,937
石 炭 コ ー ク ス	t	581,008	-	162,692	341,864	25,097
コ ー ク ス 炉 ガ ス	1000m ³	13,148	-	-	5,230	-
高 炉 ガ ス	"	47,259	-	-	47,259	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,412	-	985	411	-
回 収 黒 液	絶乾(Dry)t	1,079	-	127	-	952
廃 プ ラ ス チ ッ ク	t	154,066	-	154,066	...	...
R P F	"	34	-	34	-	-
	"	5,268	-	5,268	-	-
電 力	1000kWh	901,374	-	398,921	182,622	57,799
う ち 購 入 分	"	403,716	-	34,238	171,321	8,790
蒸 気	t	4,162,690	-	2,918,381	328,936	358,620
う ち 受 入 分	"	268,608	-	14,062	236,614	493

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,020,900	755	67,462	573,567	6,210
石 油 系 燃 料 (原 油 換 算)	"	409,327	181	6,716	326,655	283
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,082	-	-	-	-
改 質 生 成 油	"	319,841	-	-	319,841	-
灯 油	"	27,314	-	-	27,314	-
軽 油	"	2,005	183	218	363	-
A 重 油	"	458	3	1	20	-
B ・ C 重 油	"	4,554	-	527	2,325	-
炭 化 水 素 油	"	17,823	-	5,343	2,486	262
液 化 石 油 ガ ス	t	5,816	-	-	5,394	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	12,245	4	-	6,312	-
オ イ ル コ ー ク ス	t	16,376	-	-	6,477	-
ア ス フ ァ ル ト	"	34,988	-	202	-	-
再 生 油 (石 油 由 来)	kl	3,507	-	-	-	-
		5,825	-	32	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,475,059	-	58,670	209,708	-
石 炭 コ ー ク ス	t	1,249,753	-	41,873	276,540	-
コ ー ク ス 炉 ガ ス	1000m ³	406,752	-	-	-	-
高 炉 ガ ス	"	187,334	-	-	38,051	-
液 化 天 然 ガ ス	t	792,546	-	-	-	-
都 市 ガ ス (B)	1000m ³	17,603	-	-	1,377	-
回 収 黒 液	絶乾(Dry)t	12,286	-	108	1	-
廃 プ ラ ス チ ッ ク	t	76,426	-	76,426	...	...
R P F	"	16,104	-	-	1,713	-
	"	-	-	-	-	-
電 力	1000kWh	1,480,166	6,172	143,799	189,038	15,166
う ち 購 入 分	"	1,094,300	6,172	22,317	105,183	15,166
蒸 気	t	2,842,108	-	967,803	925,879	65,341
う ち 受 入 分	"	486,949	-	-	381,367	65,341

(令和3年1月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
27,587	39,068	-	13,804	14,477	5,337	Total
27,586	2,750	-	2,020	5,075	368	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	17	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	136	-	45	554	12	Kerosene
-	92	-	1	4	-	Gas oils
-	404	-	62	469	252	Heavy Fuel oil A
4,260	455	-	32	2,701	-	Heavy Fuel oil B・C
-	675	-	-	937	-	Hydrocarbon oil
2,401	-	-	1,452	148	78	Liquefied petroleum gas
15,083	-	-	-	-	-	Hydrocarbon gas
-	960	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	92	-	-	-	-	Reproduction oil (Oil origin)
-	35,447	-	6,765	353	1,087	Non-oil based fuels
-	51,137	-	-	218	-	(Crude petroleum equivalent)
-	943	-	6,700	275	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	247	-	769	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
25,243	44,372	-	57,285	93,357	41,775	Electricity
3	9,366	-	53,947	84,317	41,734	among those purchased
147,866	334,573	-	22,916	51,398	...	Steam
-	-	-	-	17,439	...	among those accepted
24,405	132,585	400	1,174,458	6,839	35,728	Total
23,809	23,422	28	22,073	3,046	3,477	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	1,081	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	90	-	666	125	726	Kerosene
-	21	-	403	-	16	Gas oils
166	263	24	458	75	716	Heavy Fuel oil A
5,409	1,831	-	544	1,948	-	Heavy Fuel oil B・C
-	422	-	-	-	-	Hydrocarbon oil
873	999	3	2,950	246	866	Liquefied petroleum gas
9,899	-	-	-	-	-	Hydrocarbon gas
-	15,983	-	18,704	99	-	Petroleum coke
3,507	-	-	-	-	-	Asphalt
-	5,380	-	81	332	-	Reproduction oil (Oil origin)
-	101,130	-	1,093,185	524	11,842	Non-oil based fuels
-	133,792	-	797,548	-	-	(Crude petroleum equivalent)
-	47	-	406,473	232	-	Coal
-	4,456	-	144,827	-	-	Coal coke
-	-	-	792,546	-	-	Coke oven gas
-	-	-	15,132	248	846	Blast furnace gas
-	-	-	2,158	-	10,019	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	9,811	-	4,580	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
13,152	157,798	4,000	691,907	43,888	227,590	Electricity
6,409	84,637	4,000	608,227	35,137	219,396	among those purchased
140,294	196,866	-	482,815	63,110	...	Steam
-	2,316	-	37,925	-	...	among those accepted

(January, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年2月分
February, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

1) 固有単位表 20

2) 熱量単位表 20

(2) 燃料受払

1) 燃料種別表 24

① 固有単位表 24

② 熱量単位表 24

2) 業種別表

① パルプ・紙・板紙工業 26

② 化学繊維工業 26

③ 石油製品工業 28

④ ガラス製品工業 28

⑤ 化学工業 30

⑥ 窯業・土石製品工業 30

⑦ 鉄鋼業 32

⑧ 非鉄金属地金工業 34

⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

1) 直接投入エネルギー表 38

2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

経済産業局別業種別エネルギー消費

1) 北海道経済産業局管内 52

2) 東 北 " 52

3) 関 東 " 54

4) 中 部 " 54

5) 近 畿 " 56

6) 中 国 " 56

7) 四 国 " 58

8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

1) Table of original units 20

2) Table of energy units 20

(2) Fuel input/output

1) Table for type kind of energy 24

① Table of original unit 24

② Table of energy unit 24

2) Tables for individual industry

① Pulp,paper,paper board industry 26

② Chemical fiber industry 26

③ Petroleum products industry 28

④ Glass products industry 28

⑤ Chemical industry 30

⑥ Ceramic, stone and clay product industry 30

⑦ Iron and steel industry 32

⑧ Non-ferrous metals industry 34

⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

1) Hokkaido Bureau of Economy, Trade and Industry 52

2) Tohoku Bureau of Economy, Trade and Industry 52

3) Kanto Bureau of Economy, Trade and Industry 54

4) Chubu Bureau of Economy, Trade and Industry 54

5) Kansai Bureau of Economy, Trade and Industry 56

6) Chugoku Bureau of Economy, Trade and Industry 56

7) Shikoku Bureau of Economy, Trade and Industry 58

8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. 平成20年1月分より単位当たりの発熱量の改訂を行います。

した(9ページ 第2表 「単位当たりの発熱量」を参照。)

5. この月報に掲載された統計を他に転載するときは、必ず「石油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号

経済産業省資源エネルギー庁

長官官房総務課戦略企画室

電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス(A)（注1）	1000m ³		
	都市ガス(B)（注2）			
都市ガス（注3）				
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
RPF	t	26.9MJ/kg		
電蒸	力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。
	気	t	2.675MJ/kg	

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. From January 2008, calorific value per unit has been revised. (Please refer to the calorific value per unit by different energy types shown in Table2. Energy categories, units and definitions)

5. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.3. The energy conversion rate for Town gas is (10⁶kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,754,534	598,930	4,155,604	1,623,710	5,648,649	13,769,495	4,184,979	893,615	333,967	117,933,182	F.Y. 2018
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
1,248,264	129,716	1,118,548	428,686	1,449,930	3,402,170	1,048,511	134,061	92,446	28,259,194	Q4 2019
1,217,808	133,224	1,084,584	397,339	1,252,246	3,158,214	960,635	259,683	87,874	29,086,259	Q1 2020
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
419,845	43,558	376,287	145,884	484,116	1,185,098	338,046	63,995	29,976	9,601,088	Dec. 2019
406,852	45,904	360,948	133,057	457,960	1,121,495	330,547	118,026	26,082	9,974,891	Jan. 2020
391,874	44,340	347,534	134,289	425,969	1,025,893	349,497	71,968	30,407	9,328,701	Feb.
419,082	42,980	376,102	129,993	368,317	1,010,826	280,591	69,689	31,385	9,782,666	Mar.
406,831	46,912	359,919	125,831	362,063	1,001,842	301,064	49,600	28,095	8,405,234	Apr.
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
▲ 3.9	11.6	▲ 5.9	▲ 9.8	5.3	▲ 9.2	▲ 26.4	▲ 45.9	7.6	▲ 6.2	R・S

回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力		蒸気		Year, quarter and Month
						うち購入分 Electricity 1000kWh	うち購入分 among those purchased 1000kWh	うち受入分 Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,348,529	10,836,468	2,605,484	492,164	681,684	638,746	186,003,463	109,226,719	514,487,750	40,337,402	F.Y. 2018
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
2,869,229	2,399,384	586,646	103,150	186,240	149,101	45,104,448	26,097,121	126,603,253	10,025,685	Q4 2019
3,330,844	2,554,158	649,762	130,558	181,128	155,831	44,351,265	25,474,793	129,126,762	10,284,806	Q1 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
955,755	792,763	211,588	43,807	62,270	52,430	15,110,530	8,523,177	44,260,607	3,478,469	Dec. 2019
1,035,627	875,696	205,259	43,382	61,431	47,964	15,103,981	8,581,952	44,748,832	3,609,752	Jan. 2020
961,585	839,684	214,169	42,315	58,337	50,233	14,428,157	8,384,812	41,398,447	3,344,020	Feb.
1,333,632	838,778	230,334	44,861	61,360	57,634	14,819,127	8,508,029	42,979,483	3,331,034	Mar.
891,755	609,805	196,616	37,159	53,894	49,481	13,641,706	7,880,720	39,644,297	3,144,950	Apr.
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
912,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
810,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
▲ 12.0	▲ 7.0	▲ 14.7	0.2	▲ 8.8	10.1	▲ 5.1	▲ 5.4	▲ 6.6	▲ 6.4	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	15,502,946	11,360,919	14,537,261	5,788,759	-	3,866	2,465,708	1,067,477	86,555
重複事業所分補正量 Duplication adjustment	325,288	-	301,302	8,555	-	82	-	-	537
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	1,024,549	898,375	986,937	170,918	...	6	-	-	516
化学工業 Chemical industry	5,796,332	4,558,551	5,512,281	4,305,546	-	14	2,451,953	1,067,477	57,215
化学繊維工業 Chemical fibers industry	172,774	39,478	150,574	36,154	...	5	-	-	196
石油製品工業 Petroleum products industry	1,087,862	951,894	1,049,145	1,005,615	...	17	13,755	-	16,627
窯業・土石製品工業 Ceramics, clay and stone products industry	752,074	510,709	717,572	132,194	...	34	-	-	1,276
ガラス製品工業 Glass products industry	37,560	36,417	29,834	3,059	...	-	-	-	16
鉄鋼業 Iron and steel industry	6,501,993	4,032,471	6,150,770	97,212	...	102	-	-	6,493
非鉄金属地金工業 Non-ferrous metals industry	3,707,154	72,424	3,355,931	19,436	...	3	-	-	1,213
機械工業 Machinery industry	84,349	260,600	45,522	27,179	...	3,767	-	-	3,540

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	599,964,031	439,667,584	562,592,023	224,024,973	-	129,154	82,108,076	35,973,975	3,159,275
重複事業所分補正量 Duplication adjustment	469,840,432	-	432,468,423	331,087	-	2,739	-	-	19,601
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	12,588,657	34,767,112	38,194,477	6,614,528	...	200	-	-	18,834
化学工業 Chemical industry	224,318,046	176,415,933	213,325,264	166,624,610	-	468	81,650,035	35,973,975	2,088,348
化学繊維工業 Chemical fibers industry	202,354,734	1,527,790	191,361,952	1,399,154	...	167	-	-	7,154
石油製品工業 Petroleum products industry	6,686,367	1,409,327	5,827,217	1,399,154	...	167	-	-	7,154
窯業・土石製品工業 Ceramics, clay and stone products industry	42,100,244	36,838,302	40,601,910	38,917,319	...	568	458,042	-	606,886
窯業・土石製品工業 Ceramics, clay and stone products industry	29,105,284	19,764,444	27,770,039	5,115,923	...	1,136	-	-	46,574
ガラス製品工業 Glass products industry	29,105,284	1,409,327	1,154,567	118,381	...	-	-	-	584
鉄鋼業 Iron and steel industry	1,453,591	156,056,611	238,034,798	3,762,117	...	3,407	-	-	236,996
非鉄金属地金工業 Non-ferrous metals industry	143,466,841	2,802,823	129,874,510	752,175	...	100	-	-	44,275
機械工業 Machinery industry	3,264,288	10,085,242	7,582,441	1,051,853	...	125,848	-	-	129,226

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年2月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	アスファルト	再生油(石油由来)	非石油系燃料計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
20,714	376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502
484	3,448	445	3,003	-	446	-	3,759	-	-	292,747
299	62,223	5,152	57,071	3,537	68,205	-	10,311	-	2,392	816,019
14,978	84,498	3,827	80,671	86,849	328,339	391,167	86,316	-	1,852	1,206,735
11	14,336	1,079	13,257	11	257	-	23,483	-	-	114,420
46	142,910	11,274	131,636	5,818	20,737	540,468	45,567	38,906	-	43,530
989	32,524	2,301	30,223	16,714	1,628	-	57,302	-	25,359	585,378
2	2,438	263	2,175	-	50	-	-	-	350	26,775
2,082	23,581	14,015	9,566	5,044	20,465	3	37,952	-	153	6,053,558
315	10,737	5,308	5,429	3,188	458	-	219	-	2,603	26,086
2,476	6,722	6,722	-	1	8,803	-	-	-	-	168,749

単位 Unit: GJ

787,128	15,595,430	1,925,487	13,669,943	4,846,480	22,470,123	47,513,068	8,571,120	1,556,240	1,314,902	338,567,050
18,392	142,836	17,311	125,525	-	22,345	-	125,175	-	-	11,329,319
11,362	2,586,066	200,445	2,385,621	141,480	3,417,071	-	343,356	-	96,158	31,579,949
569,164	3,521,057	148,870	3,372,187	3,473,960	16,449,784	19,949,047	2,874,323	-	74,450	46,700,653
418	596,116	41,973	554,143	440	12,876	-	781,984	-	-	4,428,063
1,748	5,940,943	438,559	5,502,385	232,720	1,038,924	27,563,868	1,517,381	1,556,240	-	1,684,591
37,582	1,352,920	89,509	1,263,411	668,560	81,563	-	1,908,157	-	1,019,432	22,654,116
76	101,146	10,231	90,915	-	2,505	-	-	-	14,070	1,036,187
79,116	945,068	545,193	399,876	201,760	1,025,665	153	1,263,802	-	6,151	234,272,681
11,968	433,433	206,500	226,932	127,520	22,946	-	7,293	-	104,641	1,009,541
94,087	261,518	261,518	-	40	441,135	-	-	-	-	6,530,588

Note 1. Net consumption is shown for Total and three industrial categories (Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(February, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393
重複事業所分補正量 Duplication adjustment	384,384	7,478	-	-	-	-	-	8,671	1,675
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	436,595	311	...	-	-	-	-	6,647	8,938
化学工業 Chemical industry	1,380,812	12,377	38,130	97,182	109,776	-	-	36,964	52,858
化学繊維工業 Chemical fibers industry	106,655	-	...	-	-	-	-	-	1,257
石油製品工業 Petroleum products industry	14,667	-	...	-	-	-	-	5,472	19,263
窯業・土石製品工業 Ceramics, clay and stone products industry	749,475	17,579	...	21,271	1,741	18,496	436	9,913	63
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	6,162
鉄鋼業 Iron and steel industry	4,090,317	2,231,432	8,778	717,985	5,856,658	358,994	5,990	1,866	30,263
非鉄金属地金工業 Non-ferrous metals industry	4,311	13,770	...	-	37,931	-	-	386	2,274
機械工業 Machinery industry	-	688	...	-	-	-	-	4,683	8,990

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	175,115,791	65,791,710	1,749,668	16,979,828	21,441,781	3,144,510	53,529	2,433,550	7,023,097
重複事業所分補正量 Duplication adjustment	10,032,422	216,862	-	-	-	-	-	368,518	91,623
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,395,130	9,019	...	-	-	-	-	282,498	488,909
化学工業 Chemical industry	36,039,193	358,933	1,422,249	1,972,795	391,900	-	-	1,570,970	2,891,333
化学繊維工業 Chemical fibers industry	2,783,696	-	...	-	-	-	-	-	68,758
石油製品工業 Petroleum products industry	382,809	-	...	-	-	-	-	232,560	1,053,686
窯業・土石製品工業 Ceramics, clay and stone products industry	19,561,298	509,810	...	431,938	6,198	154,090	3,632	421,303	3,446
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	337,061
鉄鋼業 Iron and steel industry	114,873,572	64,711,528	327,419	14,575,096	20,908,269	2,990,420	49,897	79,305	1,655,386
非鉄金属地金工業 Non-ferrous metals industry	112,517	399,330	...	-	135,414	-	-	16,405	124,388
機械工業 Machinery industry	-	19,952	...	-	-	-	-	199,028	491,753

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年2月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
491,056	846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072
13,176	-	-	-	915	1,638	-	943,364	210,714	2,886,577	33,203
66,100	846,607	...	178,888	19,443	4,194	50,054	1,895,462	345,559	11,796,800	55,772
33,312	...	...	-	16,311	3,579	1,404	2,732,882	1,310,361	11,520,499	2,289,364
38,336	...	...	-	-	-	-	421,286	161,855	1,700,210	103,354
378	...	...	-	-	-	-	820,439	174,092	6,153,294	325,833
7,638	...	...	194	6,722	31,364	3,830	1,272,320	340,884	3,783,264	10,168
17,010	...	...	-	-	-	-	89,086	77,803	9,221	-
194,466	...	781,047	3,516	851	15,693	-	4,868,104	3,525,797	6,298,169	336,118
5,389	...	...	-	-	-	-	401,187	330,286	290,063	41,666
141,602	...	...	-	-	-	-	2,140,897	1,879,235	...	...

単位 Unit: GJ

20,182,398	11,513,855	5,561,055	3,122,426	1,408,078	1,558,526	1,487,247	49,313,876	28,566,569	103,428,725	8,370,268
541,523	-	-	-	30,378	47,993	-	3,396,110	758,570	7,721,593	88,818
2,716,710	11,513,855	...	3,058,985	645,508	122,884	1,346,453	6,823,663	1,244,012	31,556,441	149,190
1,369,123	...	...	-	541,525	104,865	37,768	9,838,375	4,717,300	30,817,335	6,124,049
1,575,610	...	...	-	-	-	-	1,516,630	582,678	4,548,062	276,472
15,536	...	...	-	-	-	-	2,953,580	626,731	16,460,062	871,603
313,922	...	...	3,317	223,170	918,965	103,027	4,580,352	1,227,182	10,120,231	27,199
699,125	...	...	-	-	-	-	320,710	280,091	24,666	-
7,992,553	...	5,561,055	60,124	28,253	459,805	-	17,525,174	12,692,869	16,847,602	899,116
221,488	...	...	-	-	-	-	1,444,273	1,189,030	775,919	111,457
5,819,855	...	...	-	-	-	-	7,707,229	6,765,246	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(February, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種別	単位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計 (原油換算)	kl	11,410,306	3,369,256	14,537,261	2,594,854	406,974
(ネット)	"			11,174,894		
石油系燃料 (原油換算)	"	4,303,541	-	5,788,759	748,781	204,075
原油 (注1)	"	-	...	-	-	-
ガソリン	"	3,895	...	3,866	...	...
ナフサ	"	2,500,042	...	2,465,708	-	122
改質生成油	"	1,075,051	...	1,067,477	-	-
灯油	"	69,728	...	86,555	2,282	15,816
軽油	"	19,668	...	20,714	3	47
重油計	"	241,862	...	376,521	226,903	8,555
A重油	"	38,060	...	49,496	19,205	3,687
B・C重油	"	203,802	...	327,025	207,698	4,868
炭化水素油	"	42,820	...	121,162	66,894	-
液化石油ガス	t	455,477	...	448,496	76,278	13,596
石油系炭化水素ガス	1000m ³	18,310	...	931,638	133,389	106,831
オイルコークス	t	206,377	...	257,391	161,131	-
アスファルト	"	-	...	38,906	17,953	20,953
再生油 (石油由来)	kl	32,466	-	32,709	2,025	-
非石油系燃料 (原油換算)	kl	7,106,766	3,369,256	8,748,502	1,846,074	202,899
石炭 (注2)	t	7,240,069	...	6,398,448	1,421,348	-
石炭コークス (注3)	"	617,016	2,402,547	2,268,679	-	-
タール	"	30,715	68,623	46,908	-	-
コークス	1000m ³	152,927	1,020,992	836,438	106,139	-
高炉ガス	"	213,872	8,769,112	6,006,106	2,101,755	-
転炉ガス	"	21,350	539,127	377,490	121,116	-
電炉ガス	"	436	5,990	6,426	5,990	-
天然ガス	"	47,804	4,764	57,260	20,101	15,446
液化天然ガス	t	134,980	...	128,393	20,328	27,231
都市ガス (A)	1000m ³	451,984	...	451,984	96,733	128,189
都市ガス (B)	"	491,059	...	491,056	104,773	138,833
回収黒液	絶乾(Dry)t	847,070	...	846,607	846,607	-
酸素材	1000Nm ³	647,426	185,029	781,047	-	-
廃材	絶乾(Dry)t	178,535	-	182,598	181,846	-
廃ヤク	t	39,392	-	42,412	35,754	-
廃プラスチック	"	54,560	2,189	53,192	4,194	-
RPF	"	54,659	-	55,288	52,916	7

② 熱量単位表

Table of energy unit

種別	単位	受入	発生・回収	合計	ボイラ用	コージェネレーション用
合計 (原油換算)	GJ	441,578,871	130,390,207	562,592,023	100,420,870	15,749,907
(ネット)	"			432,468,423		
石油系燃料 (原油換算)	"	166,547,038	-	224,024,973	28,977,824	7,897,700
原油 (注1)	"	-	...	-	-	-
ガソリン	"	130,123	...	129,154	...	...
ナフサ	"	83,251,399	...	82,108,076	-	4,063
改質生成油	"	36,229,219	...	35,973,975	-	-
灯油	"	2,545,089	...	3,159,275	83,293	577,284
軽油	"	747,380	...	787,128	114	1,786
重油計	"	9,999,873	...	15,595,430	9,429,092	346,907
A重油	"	1,480,628	...	1,925,487	747,143	143,424
B・C重油	"	8,519,245	...	13,669,943	8,681,949	203,482
炭化水素油	"	1,712,800	...	4,846,480	2,675,760	-
液化石油ガス	"	22,819,858	...	22,470,123	3,821,538	681,160
石油系炭化水素ガス	"	933,810	...	47,513,068	6,802,839	5,448,381
オイルコークス	"	6,872,354	...	8,571,120	5,365,662	-
アスファルト	"	-	...	1,556,240	718,120	838,120
再生油 (石油由来)	"	1,305,133	-	1,314,902	81,405	-
非石油系燃料 (原油換算)	"	275,031,834	130,390,207	338,567,050	71,443,046	7,852,207
石炭 (注2)	"	198,786,000	...	175,115,791	37,097,183	-
石炭コークス (注3)	"	17,893,482	69,673,863	65,791,710	-	-
タール	"	1,145,670	2,559,638	1,749,668	-	-
コークス	"	3,104,555	20,726,138	16,979,828	2,154,622	-
高炉ガス	"	763,506	31,305,730	21,441,781	7,503,265	-
転炉ガス	"	177,864	4,490,928	3,144,510	1,008,896	-
電炉ガス	"	3,632	49,897	53,529	49,897	-
天然ガス	"	2,031,670	202,470	2,433,550	854,293	656,455
液化天然ガス	"	7,383,406	...	7,023,097	1,111,942	1,489,536
都市ガス (A)	"	20,182,526	...	20,182,398	4,306,170	5,706,028
都市ガス (B)	"	11,520,152	...	11,513,855	11,513,855	-
回収黒液	"	4,609,673	1,317,406	5,561,055	...	-
酸素材	"	3,052,949	-	3,122,426	3,109,567	-
廃材	"	1,307,814	-	1,408,078	1,187,033	-
廃ヤク	"	1,598,608	64,138	1,558,526	1,228,884	-
廃プラスチック	"	1,470,327	-	1,487,247	1,423,440	188

注1. 原油にはNGL・コンデンセートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年2月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
11,535,432	6,304,486	5,015,560	215,386	1,641,452	8,905,427	Total (Crude petroleum equivalent) (Net)
4,835,903	3,631,994	1,107,778	96,131	65,612	1,567,598	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	348	Crude petroleum
3,866	...	4	3,862	3	1,778	Gasoline
2,465,586	2,463,308	2,278	-	-	687,908	Naphtha
1,067,477	1,067,477	-	-	4,765	12,011	Oil produced by conversion
68,457	55,206	9,946	3,305	115	16,532	Kerosene
20,664	14,807	267	5,590	28	8,810	Gas oils
141,063	30,104	98,888	12,071	2,093	248,707	Heavy Fuel oil total
26,604	-	20,297	6,307	438	55,173	Heavy Fuel oil A
114,459	30,104	78,591	5,764	1,655	193,534	Heavy Fuel oil B・C
54,268	24,045	29,999	224	297	12,024	Hydrocarbon oil
358,622	297,936	34,649	26,037	36,857	113,526	Liquefied petroleum gas
691,418	32,257	632,928	26,233	...	...	Hydrocarbon gas
96,260	35,631	59,380	1,249	12,869	588,956	Petroleum coke
-	-	-	-	-	-	Asphalt
30,684	-	28,713	1,971	2	8,121	Reproduction oil (Oil origin)
6,699,530	2,672,492	3,907,783	119,255	1,575,839	7,337,829	Non-oil based fuels (Crude petroleum equivalent)
4,977,100	3,503,991	1,472,523	586	690,649	8,141,328	Coal
2,268,679	39,721	2,222,999	5,959	723,342	1,890,139	Coal coke
46,908	46,908	-	-	48,071	48,365	Tar
730,299	544	694,319	35,436	318,198	...	Coke oven gas
3,904,351	-	3,603,942	300,409	2,902,133	...	Blast furnace gas
256,374	-	233,459	22,915	150,705	...	Converter furnace gas
436	-	436	-	-	...	Electric furnaces gas
21,713	6,536	13,110	2,067	856	11	Natural gas
80,834	18,800	58,007	4,027	13,647	41,655	Liquefied natural gas
227,062	-	191,548	35,514	...	...	Town gas(A)
247,450	-	208,724	38,726	...	...	Town gas(B)
-	-	-	-	-	3,545	Black liquor
781,047	-	712,574	68,473	27,121	1,327	Oxygen
752	-	729	23	376	44,332	Waste material
6,658	851	5,807	-	-	22,672	Used tires
48,998	12,568	34,495	1,935	2,655	32,661	Waste plastic
2,365	-	2,365	-	-	15,293	Refuse Paper & Plastic Fuel
446,421,246	243,983,609	194,102,196	8,335,441	63,524,182	344,640,027	Total (Crude petroleum equivalent) (Net)
187,149,449	140,558,176	42,871,001	3,720,272	2,539,193	60,666,030	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	12,845	Crude petroleum
129,154	...	134	129,021	100	59,385	Gasoline
82,104,014	82,028,156	75,857	-	-	22,907,336	Naphtha
35,973,975	35,973,975	-	-	160,581	404,771	Oil produced by conversion
2,498,698	2,015,019	363,047	120,633	4,198	603,421	Kerosene
785,228	562,666	10,146	212,417	1,064	334,780	Gas oils
5,819,431	1,258,347	4,074,693	486,391	86,217	10,236,117	Heavy Fuel oil total
1,034,920	-	789,573	245,347	17,038	2,146,309	Heavy Fuel oil A
4,784,512	1,258,347	3,285,120	241,044	69,179	8,089,808	Heavy Fuel oil B・C
2,170,720	961,800	1,199,960	8,960	11,880	480,960	Hydrocarbon oil
17,967,425	14,926,594	1,736,219	1,304,612	1,846,536	5,687,715	Liquefied petroleum gas
35,261,848	1,645,107	32,279,328	1,337,413	...	...	Hydrocarbon gas
3,205,458	1,186,512	1,977,354	41,592	428,538	19,612,235	Petroleum coke
-	-	-	-	-	-	Asphalt
1,233,497	-	1,154,263	79,234	80	326,464	Reproduction oil (Oil origin)
259,271,797	103,425,433	151,231,195	4,615,169	60,984,989	283,973,998	Non-oil based fuels (Crude petroleum equivalent)
138,018,608	98,810,177	39,193,137	15,295	19,079,422	222,140,143	Coal
65,791,710	1,151,909	64,466,990	172,811	20,976,918	54,814,047	Coal coke
1,749,668	1,749,668	-	-	1,793,048	1,804,015	Tar
14,825,207	11,043	14,094,813	719,351	6,459,419	...	Coke oven gas
13,938,516	-	12,866,056	1,072,460	10,360,615	...	Blast furnace gas
2,135,614	-	1,944,732	190,882	1,255,373	...	Converter furnace gas
3,632	-	3,632	-	-	...	Electric furnaces gas
922,803	277,780	557,175	87,848	36,380	468	Natural gas
4,421,620	1,028,360	3,172,983	220,277	746,491	2,278,529	Liquefied natural gas
10,170,201	-	8,578,571	1,591,630	...	...	Town gas
-	-	-	-	-	48,212	Black liquor
5,561,055	-	5,073,527	487,528	193,102	9,448	Oxygen
12,859	-	12,466	393	6,430	758,077	Waste material
221,046	28,253	192,792	-	-	752,710	Used tires
1,435,641	368,242	1,010,704	56,696	77,792	956,967	Waste plastic
63,619	-	63,619	-	-	411,382	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(February, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	1,042,490	986,937	908,019	45,378
石 油 系 燃 料 (原 油 換 算)	〃	178,137	170,918	144,232	65
ガ ソ リ ン	〃	7	6	...	...
灯 油	〃	542	516	123	-
軽 油	〃	313	299	3	13
重 油 計	〃	66,036	62,223	44,119	52
A 重 油	〃	5,245	5,152	4,639	52
B・C 重 油	〃	60,791	57,071	39,480	-
炭 化 水 素 油	〃	2,988	3,537	2,720	-
液 化 石 油 ガ ス	t	70,022	68,205	66,886	-
オ イ ル コ ー ク ス	〃	11,738	10,311	8,208	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,446	2,392	330	-
非 石 油 系 燃 料 (原 油 換 算)	kl	864,353	816,019	763,787	45,313
石 炭	t	515,558	436,595	436,595	-
石 炭 コ ー ク ス	〃	-	311	-	-
天 然 ガ ス	1000m ³	6,647	6,647	1,226	5,084
液 化 天 然 ガ ス	t	8,941	8,938	5,249	3,241
都 市 ガ ス (A)	1000m ³	61,431	61,431	26,203	30,535
都 市 ガ ス (B)	〃	66,102	66,100	27,889	33,092
回 収 黒 液 材	絶乾(Dry)t	847,070	846,607	846,607	-
廃 タ イ ヤ	t	174,825	178,888	178,330	-
廃 プ ラ ス チ ッ ク	t	16,270	19,443	19,443	-
R P F	〃	4,193	4,194	4,194	-
R P F	〃	49,567	50,054	50,047	7

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	151,993	150,574	107,159	33,389
石 油 系 燃 料 (原 油 換 算)	〃	21,315	36,154	32,604	201
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	197	196	37	-
軽 油	〃	8	11	-	3
重 油 計	〃	14,249	14,336	11,413	197
A 重 油	〃	678	1,079	473	197
B・C 重 油	〃	13,571	13,257	10,940	-
炭 化 水 素 油	〃	11	11	11	-
液 化 石 油 ガ ス	t	253	257	46	-
オ イ ル コ ー ク ス	〃	6,321	23,483	23,483	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	130,678	114,420	74,556	33,188
石 炭	t	130,787	106,655	106,655	-
液 化 天 然 ガ ス	〃	1,246	1,257	1,058	131
都 市 ガ ス (A)	1000m ³	35,131	35,131	998	28,435
都 市 ガ ス (B)	〃	38,334	38,336	1,064	31,076
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	〃	-	-	-	-

(令和3年2月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
33,540	29,053	4,487	11,188	509,370	Total (Crude petroleum equivalent)
26,621	23,233	3,387	1,504	86,237	Oil based fuels (Crude petroleum equivalent)
6	...	6	-	2	Gasoline
393	324	69	28	977	Kerosene
283	2	281	13	18	Gas oils
18,052	16,801	1,251	1,358	59,745	Heavy Fuel oil total
461	403	58	26	6,693	Heavy Fuel oil A
17,591	16,398	1,193	1,332	53,052	Heavy Fuel oil B・C
817	809	8	-	1,464	Hydrocarbon oil
1,319	771	548	-	11,175	Liquefied petroleum gas
2,103	1,569	534	-	3,982	Petroleum coke
-	-	-	-	-	Asphalt
2,062	1,564	498	-	1,791	Reproduction oil (Oil origin)
6,919	5,820	1,099	9,684	423,133	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	14,112	559,934	Coal
311	-	311	-	1,199	Coal coke
337	321	16	-	...	Natural gas
448	316	132	-	503	Liquefied natural gas
4,693	4,128	565	...	...	Town gas(A)
5,119	4,505	614	...	...	Town gas(B)
-	-	-	-	3,545	Black liquor
558	535	23	376	44,332	Waste material
-	-	-	-	14,577	Used tires
-	-	-	-	27	Waste plastic
-	-	-	-	15,154	Refuse Paper & Plastic Fuel
10,025	6,016	4,009	-	125,628	Total (Crude petroleum equivalent)
3,349	1,965	1,384	-	63,308	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
159	16	143	-	71	Kerosene
8	-	8	-	7	Gas oils
2,726	1,691	1,035	-	24,318	Heavy Fuel oil total
409	96	313	-	6,639	Heavy Fuel oil A
2,317	1,595	722	-	17,679	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
211	101	110	-	91	Liquefied petroleum gas
-	-	-	-	43,404	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
6,676	4,051	2,625	-	62,321	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	91,956	Coal
68	68	-	-	215	Liquefied natural gas
5,698	3,444	2,254	...	...	Town gas(A)
6,196	3,724	2,472	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(February, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	27,628	1,049,145	308,639	157,212
石 油 系 燃 料 (原 油 換 算)	"	-	1,005,615	295,975	149,808
ガ ソ リ ン	"	...	17	...	...
ナ フ サ	"	...	13,755	-	122
灯 油	"	...	16,627	787	15,815
軽 油	"	...	46	-	-
重 油 計	"	...	142,910	113,815	4,141
A 重 油	"	...	11,274	3,932	2,632
B・C 重 油	"	...	131,636	109,883	1,509
炭 化 水 素 油	"	...	5,818	5,818	-
液 化 石 油 ガ ス	t	...	20,737	467	8,184
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	540,468	82,114	74,562
オ イ ル コ ー ク ス	t	...	45,567	45,567	-
ア ス フ ェ ル ト	"	...	38,906	17,953	20,953
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	27,628	43,530	12,665	7,404
石 炭	t	-	14,667	14,667	-
天 然 ガ ス	1000m ³	-	5,472	231	-
液 化 天 然 ガ ス	t	19,263	19,263	1,502	5,238
都 市 ガ ス (A)	1000m ³	345	345	340	-
都 市 ガ ス (B)	"	378	378	373	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	29,877	29,834	367	2,041
石 油 系 燃 料 (原 油 換 算)	"	3,097	3,059	2	5
ガ ソ リ ン	"	-	-	...	...
灯 油	"	16	16	2	-
軽 油	"	3	2	-	-
重 油 計	"	2,544	2,438	-	5
A 重 油	"	440	263	-	5
B・C 重 油	"	2,104	2,175	-	-
液 化 石 油 ガ ス	t	50	50	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	288	350	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	26,781	26,775	365	2,036
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	6,166	6,162	25	318
都 市 ガ ス (A)	1000m ³	15,675	15,675	285	1,364
都 市 ガ ス (B)	"	17,010	17,010	310	1,493
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年2月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
583,294	71,694	484,988	26,612	Total (Crude petroleum equivalent)
559,833	61,622	472,572	25,639	Oil based fuels (Crude petroleum equivalent)
17	...	...	17	Gasoline
13,633	11,355	2,278	-	Naphtha
25	-	21	4	Kerosene
46	-	-	46	Gas oils
24,954	-	22,479	2,475	Heavy Fuel oil total
4,710	-	4,035	675	Heavy Fuel oil A
20,244	-	18,444	1,800	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
12,086	8,671	3,411	4	Liquefied petroleum gas
383,792	30,828	335,551	17,413	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
23,461	10,072	12,416	973	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,241	2,537	2,394	310	Natural gas
12,523	5,155	6,924	444	Liquefied natural gas
5	-	-	5	Town gas(A)
5	-	-	5	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
27,427	26,819	608	117	3,248	Total (Crude petroleum equivalent)
3,052	2,973	79	117	3,220	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
14	6	8	1	66	Kerosene
2	1	1	1	-	Gas oils
2,433	2,364	69	114	2,889	Heavy Fuel oil total
258	189	69	114	969	Heavy Fuel oil A
2,175	2,175	-	-	1,920	Heavy Fuel oil B・C
50	49	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
350	350	-	-	88	Reproduction oil (Oil origin)
24,375	23,846	528	-	28	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,819	5,819	-	-	20	Liquefied natural gas
14,026	13,569	457	...	...	Town gas(A)
15,207	14,709	498	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(February, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,037,907	572,818	5,512,282 4,944,754	627,689	95,571
石油系燃料（原油換算）	"	3,848,795	-	4,305,545	241,770	49,864
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ ー リ ン	"	18	...	14	...	...
ナ フ サ	"	2,500,042	...	2,451,953	-	-
改 質 生 成 油	"	1,075,051	...	1,067,477	...	...
灯 油	"	56,984	...	57,215	58	1
軽 油	"	13,988	...	14,978	-	-
重 油	"	86,368	...	84,498	44,775	330
A 重 油	"	4,146	...	3,827	2,171	330
B・C 重 油	"	82,222	...	80,671	42,604	-
炭 化 水 素 油	"	15,225	...	86,849	58,345	-
液 化 石 油 ガ ス	t	356,567	...	328,339	2,633	5,412
石油系炭化水素ガス（注2）	1000m ³	18,307	...	391,167	51,275	32,269
オ イ ル コ ー ク ス	t	113,401	...	86,316	70,280	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,852	-	1,852	1,689	-
非石油系燃料（原油換算）	kl	1,189,112	572,818	1,206,736	385,919	45,707
石 炭 コ ー ク ス	t	1,430,198	-	1,380,812	492,039	-
タ ー ク ス	"	8,923	583,860	12,377	...	-
コ ー ク ス 炉 ガ ス	1000m ³	25,475	11,289	38,130	-	-
高 炉 ガ ス	"	4,765	227,108	97,182	3,224	-
転 炉 ガ ス	"	109,776	-	109,776	-	-
天 然 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	32,976	4,764	36,964	17,441	8,222
都 市 ガ ス （ A ）	1000m ³	64,722	...	52,858	8,493	12,797
都 市 ガ ス （ B ）	"	31,817	...	31,817	5,498	17,084
廃 タ イ ヤ	t	33,312	...	33,313	5,895	17,504
廃 プ ラ ス チ ック	t	16,434	-	16,311	16,311	-
廃 R P	"	3,365	77	3,579	-	-
	"	1,404	-	1,404	1,404	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	625,570	-	717,571 717,571	284,693	6,045
石油系燃料（原油換算）	"	122,762	-	132,194	12,952	1,187
ガ ソ ー リ ン	"	33	...	34	...	...
灯 油	"	1,376	...	1,276	191	-
軽 油	"	990	...	989	-	-
重 油	"	29,384	...	32,524	1,041	1,099
A 重 油	"	2,283	...	2,301	738	-
B・C 重 油	"	27,101	...	30,223	303	1,099
炭 化 水 素 油	"	17,108	...	16,714	-	-
液 化 石 油 ガ ス	t	1,625	...	1,628	-	-
オ イ ル コ ー ク ス	"	50,015	...	57,302	13,593	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	25,099	-	25,359	6	-
非石油系燃料（原油換算）	kl	502,809	-	585,377	271,742	4,858
石 炭 コ ー ク ス	t	630,036	...	749,475	392,808	-
タ ー ク ス	"	17,722	-	17,579	-	-
コ ー ク ス 炉 ガ ス	1000m ³	21,271	-	21,271	-	-
高 炉 ガ ス	"	1,741	-	1,741	-	-
転 炉 ガ ス	"	18,496	-	18,496	-	-
電 気 炉 ガ ス	"	436	-	436	-	-
天 然 ガ ス	"	9,913	-	9,913	4,111	4,424
液 化 天 然 ガ ス	t	63	-	63	-	-
都 市 ガ ス （ A ）	1000m ³	7,072	...	7,072	483	-
都 市 ガ ス （ B ）	"	7,636	...	7,637	477	-
廃 タ イ ヤ	材	194	-	194	-	-
廃 プ ラ ス チ ック	絶乾(Dry)t	5,830	-	6,722	915	-
廃 R P	"	29,702	-	31,364	-	-
	"	3,688	-	3,830	1,465	-

注1. 合計（原油換算）の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年2月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
4,789,023	4,184,391	565,455	39,175	569,595	2,625,585	Total (Crude petroleum equivalent) (Net)
4,013,912	3,547,684	431,732	34,496	51,873	1,066,280	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	-	138	NGL・condensate
14	...	...	14	-	4	Gasoline
2,451,953	2,451,953	-	-	-	687,908	Naphtha
1,067,477	1,067,477	...	...	4,765	12,011	Oil produced by conversion
57,156	55,206	1,587	363	-	6,521	Kerosene
14,978	14,807	-	171	-	7,203	Gas oils
39,393	30,104	7,419	1,870	114	60,590	Heavy Fuel oil total
1,326	-	530	796	105	6,965	Heavy Fuel oil A
38,067	30,104	6,889	1,074	9	53,625	Heavy Fuel oil B・C
28,504	19,001	9,453	50	...	...	Hydrocarbon oil
320,294	289,265	15,784	15,245	36,775	75,573	Liquefied petroleum gas
307,623	1,429	297,374	8,820	...	...	Hydrocarbon gas
16,036	15,322	-	714	-	334,219	Petroleum coke
-	-	-	-	-	-	Asphalt
163	-	163	-	-	-	Reproduction oil (Oil origin)
775,111	636,707	133,723	4,679	517,722	1,559,304	Non-oil based fuels (Crude petroleum equivalent)
888,773	841,624	47,149	-	13,045	1,906,572	Coal
12,377	9,510	2,867	-	561,165	330,291	Coal coke
38,130	38,130	-	-	89	24,875	Tar
93,958	145	93,635	178	134,697	...	Coke oven gas
109,776	-	109,776	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
11,301	3,999	5,743	1,559	856	...	Natural gas
31,568	13,645	17,908	15	11,838	168	Liquefied natural gas
9,235	...	6,760	2,475	...	...	Town gas(A)
9,914	...	7,227	2,686	...	...	Town gas(B)
-	-	-	-	-	1,569	Used tires
3,579	1,941	1,638	-	-	546	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
426,832	7,285	411,881	7,668	6,763	823,564	Total (Crude petroleum equivalent) (Net)
118,056	3,454	109,886	4,716	6,724	169,939	Oil based fuels (Crude petroleum equivalent)
34	...	...	34	-	-	Gasoline
1,085	-	956	129	-	596	Kerosene
989	-	237	752	3	108	Gas oils
30,384	-	28,407	1,977	-	44,312	Heavy Fuel oil total
1,563	-	1,186	377	-	4,935	Heavy Fuel oil A
28,821	-	27,221	1,600	-	39,377	Heavy Fuel oil B・C
16,714	-	16,714	-	297	3,115	Hydrocarbon oil
1,628	-	1,405	223	-	165	Liquefied petroleum gas
43,709	4,014	39,694	1	7,452	131,567	Petroleum coke
-	-	-	-	-	-	Asphalt
25,353	-	23,979	1,374	2	4,945	Reproduction oil (Oil origin)
308,777	3,831	301,995	2,952	39	653,625	Non-oil based fuels (Crude petroleum equivalent)
356,667	610	355,471	586	44	938,987	Coal
17,579	4,563	13,016	-	12	14,818	Coal coke
21,271	-	21,271	-	-	...	Coke oven gas
1,741	-	1,741	-	-	...	Blast furnace gas
18,496	-	18,496	-	-	...	Converter furnace gas
436	-	436	-	-	...	Electric furnaces gas
1,378	-	1,378	-	-	...	Natural gas
63	-	10	53	-	-	Liquefied natural gas
6,589	...	4,395	2,194	...	...	Town gas(A)
7,160	...	4,824	2,337	...	...	Town gas(B)
194	-	194	-	-	-	Waste material
5,807	-	5,807	-	-	3,636	Used tires
31,364	-	31,364	-	-	7,971	Waste plastic
2,365	-	2,365	-	-	139	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(February, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,529,679	2,796,438	6,150,770	551,246	9,400
（ネット）	〃	-	-	3,355,931	-	-
石油系燃料（原油換算）	〃	91,316	-	97,212	14,198	2,456
ガソリン	〃	104	…	102	…	…
灯油	〃	6,673	…	6,493	159	-
軽油	〃	2,051	…	2,082	-	-
重油計	〃	29,255	…	23,581	8,611	2,280
A重油	〃	14,328	…	14,015	4,165	95
B・C重油	〃	14,927	…	9,566	4,446	2,185
炭化水素油	〃	4,240	…	5,044	-	-
液化石油ガス	t	18,037	…	20,465	3,908	-
石油系炭化水素ガス	1000m ³	3	…	3	-	-
オイルコークス	t	28,460	…	37,952	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	153	-	153	-	-
非石油系燃料（原油換算）	kl	4,438,363	2,796,438	6,053,558	537,048	6,944
コークス製造用炭（原料炭）	t	3,507,214	…	2,898,678	-	-
石炭	〃	1,360,972	…	1,191,639	315,739	-
石炭コークス	〃	586,510	1,818,687	2,231,432	…	-
ターナル	〃	5,240	57,334	8,778	-	-
コークス炉ガス	1000m ³	126,891	793,884	717,985	102,915	-
高炉ガス	〃	102,355	8,769,112	5,856,658	2,088,355	-
転炉ガス	〃	2,854	539,127	358,994	121,116	-
電気炉ガス	〃	-	5,990	5,990	5,990	-
天然ガス	〃	1,870	-	1,866	228	-
液化天然ガス	t	24,973	…	30,263	2,937	1,335
都市ガス（A）	1000m ³	177,990	…	177,990	38,048	4,368
都市ガス（B）	〃	194,470	…	194,466	41,584	4,762
酸素	1000Nm ³	647,426	185,029	781,047	…	-
廃材	絶乾(Dry)t	3,516	-	3,516	3,516	-
廃タイヤ	t	1,705	-	851	-	-
廃プラスチック	〃	18,801	2,112	15,693	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年2月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,590,124	2,047,604	3,449,325	93,195	1,053,790	5,179,980	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
80,559	22,469	45,180	12,910	5,395	163,698	Oil based fuels (Crude petroleum equivalent)
102	...	4	98	3	19	Gasoline
6,334	...	5,117	1,217	86	3,509	Kerosene
2,082	...	18	2,064	11	96	Gas oils
12,690	-	12,199	491	507	50,816	Heavy Fuel oil total
9,755	...	9,380	375	193	20,206	Heavy Fuel oil A
2,935	-	2,819	116	314	30,610	Heavy Fuel oil B・C
5,044	5,044	-	-	-	6,397	Hydrocarbon oil
16,557	-	9,492	7,065	82	24,971	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
37,952	20,054	17,898	-	5,417	78,272	Petroleum coke
-	-	-	-	-	-	Asphalt
153	-	153	-	-	592	Reproduction oil (Oil origin)
5,509,566	2,025,135	3,404,146	80,285	1,048,395	5,016,282	Non-oil based fuels (Crude petroleum equivalent)
2,898,678	2,627,147	271,531	-	376,244	3,446,958	Coal for making coke (material coal)
875,900	34,690	841,210	-	287,204	1,755,699	Coal
2,231,432	29,918	2,197,333	4,181	162,165	1,543,661	Coal coke
8,778	8,778	-	-	47,982	23,490	Tar
615,070	399	579,413	35,258	183,501	...	Coke oven gas
3,768,303	-	3,467,894	300,409	2,902,133	...	Blast furnace gas
237,878	-	214,963	22,915	150,705	...	Converter furnace gas
-	-	-	-	-	...	Electric furnaces gas
1,638	-	1,600	38	-	11	Natural gas
25,991	-	23,225	2,766	1,809	40,269	Liquefied natural gas
135,574	...	128,689	6,885	...	...	Town gas(A)
148,120	...	140,588	7,532	...	...	Town gas(B)
781,047	-	712,574	68,473	27,121	1,327	Oxygen
-	-	-	-	-	-	Waste material
851	851	-	-	-	3,364	Used tires
15,693	10,627	3,131	1,935	2,655	24,663	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(February, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	38,831	45,522	2,817	86
石 油 系 燃 料 (原 油 換 算)	"	19,765	19,436	857	86
ガ ソ リ ン	"	3	3	...	...
灯 油	"	1,141	1,213	43	-
軽 油	"	321	315	-	-
重 油 計	"	10,984	10,737	803	80
A 重 油	"	5,215	5,308	675	5
B・C 重 油	"	5,769	5,429	128	75
炭 化 水 素 油	"	3,247	3,188	-	-
液 化 石 油 ガ ス	t	471	458	-	-
オ イ ル コ ー ク ス	"	235	219	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,628	2,603	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	19,066	26,086	1,959	-
石 炭	t	2,945	4,311	-	-
石 炭	"	10,285	13,770	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	37,931	13,400	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	386	386	-	-
液 化 天 然 ガ ス	t	2,282	2,274	97	-
都 市 ガ ス (A)	1000m³	5,079	5,079	495	-
都 市 ガ ス (B)	"	5,389	5,389	552	-
廃 棄 タ ー ス イ ッ	t	-	-	-	-
廃 棄 プ ラ ス チ ッ	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	195,401	195,928	37,900	67,439
石 油 系 燃 料 (原 油 換 算)	"	26,643	27,179	6,326	414
ガ ソ リ ン	"	3,806	3,767	...	...
灯 油	"	3,368	3,540	914	-
軽 油	"	2,464	2,476	-	31
重 油 計	"	6,203	6,722	2,424	382
A 重 油	"	6,203	6,722	2,424	382
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	8,900	8,803	2,338	-
石 油 系 炭 化 水 素 ガ ス	1000m³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	168,758	168,749	31,573	67,025
石 炭	t	-	-	-	-
石 炭	"	683	688	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	4,683	4,683	975	2,140
液 化 天 然 ガ ス	t	8,999	8,990	1,156	4,450
都 市 ガ ス (A)	1000m³	129,633	129,633	24,889	50,227
都 市 ガ ス (B)	"	141,602	141,602	27,183	54,975
廃 棄 タ ー ス イ ッ	t	-	-	-	-
廃 棄 プ ラ ス チ ッ	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年2月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
42,620	39,593	3,027	25,980	Total
18,493	16,944	1,549	7,737	(Crude petroleum equivalent)
3	...	3	2	Oil based fuels
1,170	849	321	373	(Crude petroleum equivalent)
315	3	312	23	Gasoline
9,854	9,349	505	5,180	Kerosene
4,628	4,135	493	2,222	Gas oils
5,226	5,214	12	2,958	Heavy Fuel oil total
3,188	3,023	165	1,048	Heavy Fuel oil A
458	338	120	56	Heavy Fuel oil B・C
219	219	-	51	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
2,603	2,504	99	705	Petroleum coke
				Asphalt
24,127	22,649	1,478	18,243	Reproduction oil (Oil origin)
4,311	4,311	-	18,918	Non-oil based fuels
13,770	12,303	1,467	7,119	(Crude petroleum equivalent)
-	-	-	...	Coal
24,531	24,531	-	...	Coal coke
-	-	-	...	Coke oven gas
386	386	-	...	Blast furnace gas
2,177	1,909	268	...	Electric furnaces gas
4,584	4,584	-	...	Natural gas
4,837	4,837	-	106	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
90,590	50,377	40,213	19,794	Total
20,439	6,753	13,686	19,232	(Crude petroleum equivalent)
3,767	...	3,767	1,765	Oil based fuels
2,626	1,506	1,120	4,946	(Crude petroleum equivalent)
2,445	6	2,439	1,377	Gasoline
3,916	698	3,218	9,702	Kerosene
3,916	698	3,218	9,566	Gas oils
-	-	-	136	Heavy Fuel oil total
1	-	1	-	Heavy Fuel oil A
6,465	3,572	2,893	1,489	Heavy Fuel oil B・C
-	-	-	...	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
70,151	43,624	26,527	562	Non-oil based fuels
-	-	-	-	(Crude petroleum equivalent)
688	688	-	44	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
1,568	1,424	144	...	Natural gas
3,384	2,878	506	374	Liquefied natural gas
54,517	32,393	22,124	...	Town gas(A)
59,444	35,288	24,156	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(February, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	16,022,706	7,935,158	8,087,548	6,075,172	1,343,462
事業所重複分補正量	1,028,577	210,714	817,863	761,618	31,825
パルプ・紙・板紙工業	2,175,689	345,559	1,830,130	1,667,815	140,362
化学工業	3,184,631	1,310,361	1,874,270	1,497,334	266,342
化学繊維工業	497,123	161,855	335,268	229,444	105,769
石油製品工業	1,358,655	174,092	1,184,563	637,499	532,182
窯業・土石製品工業	1,444,157	340,884	1,103,273	1,007,410	18,925
ガラス製品工業	89,151	77,803	11,348	-	6,082
鉄鋼業(注2)	5,743,284	3,525,797	2,217,487	1,790,400	46,116
非鉄金属地金工業	413,856	330,286	83,570	2,394	362
機械工業	2,144,737	1,879,235	265,502	4,494	259,147

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	40,671,298	3,129,072	37,542,226	30,519,882	2,093,288
事業所重複分補正量	2,970,033	33,203	2,936,830	2,870,934	50,118
パルプ・紙・板紙工業	11,881,116	55,772	11,825,344	11,482,956	297,243
化学工業	12,860,431	2,289,364	10,571,067	8,179,257	607,592
化学繊維工業	1,729,070	103,354	1,625,716	1,427,213	191,036
石油製品工業	6,423,779	325,833	6,097,946	4,389,552	978,839
窯業・土石製品工業	3,872,501	10,168	3,862,333	3,624,992	34,235
ガラス製品工業	9,221	-	9,221	4,184	5,037
鉄鋼業	6,574,800	336,118	6,238,682	4,248,651	29,237
非鉄金属地金工業	290,413	41,666	248,747	34,011	187

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年2月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
120,881	548,033	13,698,299	2,324,407	Total
22,462	1,958	943,364	85,213	Duplication adjustment
17,326	4,627	1,895,462	280,227	Pulp,Paper,Paperboard industry
42,065	68,529	2,732,882	451,749	Chemical products industry
-	55	421,286	75,837	Chemical fibers products industry
...	14,882	820,439	538,216	Petroleum products industry
22,462	54,476	1,272,320	171,837	Ceramics,clay and stone products industry
5,259	7	89,086	65	Glass products industry
96	380,875	4,868,104	875,180	Iron and steel products industry
	(炉頂圧) 215,856			
56,135	24,679	401,187	12,669	Non-ferrous metals products industry
...	1,861	2,140,897	3,840	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工費用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
4,929,056	38,664,943	18,391,376	17,581,065	2,692,502	2,006,355	Total
15,778	2,886,577	818,065	2,067,568	944	83,456	Duplication adjustment
45,145	11,796,800	5,262,415	6,175,108	359,277	84,316	Pulp,Paper,Paperboard industry
1,784,218	11,520,499	7,080,066	3,958,165	482,268	1,339,932	Chemical products industry
7,467	1,700,210	889,897	771,055	39,258	28,860	Chemical fibers products industry
729,555	6,153,294	3,470,545	2,268,571	414,178	270,485	Petroleum products industry
203,106	3,783,264	663,449	3,091,934	27,881	89,237	Ceramics,clay and stone products industry
-	9,221	8,567	-	654	-	Glass products industry
1,960,794	6,298,169	1,701,539	3,355,547	1,241,083	276,631	Iron and steel products industry
214,549	290,063	132,963	28,253	128,847	350	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(February, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	573,608	562,582	186,565	244,644	131,373	2,765	8,261	110,725
石 油 系 燃 料 (原 油 換 算)	〃	26,621	25,708	22,651	2,870	187	605	308	3,349
ガ ソ リ ン	〃	6	4	1	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	393	338	9	322	7	33	22	159
軽 油	〃	283	255	142	68	45	6	22	8
重 油 計	〃	18,052	17,274	16,753	435	86	522	256	2,726
A 重 油	〃	461	203	1	117	85	2	256	409
B・C 重 油	〃	17,591	17,071	16,752	318	1	520	-	2,317
炭 化 水 素 油	〃	817	817	817	-	-	-	-	-
液 化 石 油 ガ ス	t	1,319	1,311	8	1,283	20	3	5	211
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,103	2,103	1,831	272	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,062	2,062	1,903	136	23	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,919	6,739	480	5,366	893	66	115	6,675
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	311	311	311	-	-	-	-	-
天 然 ガ ス	1000m ³	337	337	-	337	-	-	-	-
液 化 天 然 ガ ス	t	448	448	-	236	212	-	-	68
都 市 ガ ス (A)	1000m ³	4,693	4,530	-	4,026	504	57	106	5,698
都 市 ガ ス (B) (注 2)	〃	5,119	4,949	-	4,390	559	62	108	6,195
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	558	558	558	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	1,895,462	1,819,348	505,770	872,282	441,296	10,344	65,770	421,286
蒸 気	t	5,262,415	5,221,135	1,683,787	2,246,260	1,291,088	16,385	24,895	889,897

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	918,370	898,375	275,258	447,414	175,703	3,205	16,790	153,874
石 油 系 燃 料 (原 油 換 算)	〃	165,082	161,508	36,970	111,051	13,487	751	2,823	33,195
ガ ソ リ ン	〃	6	4	1	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	513	451	12	332	107	35	28	196
軽 油	〃	296	258	142	68	48	6	32	11
重 油 計	〃	58,454	55,405	26,166	16,879	12,360	609	2,439	12,283
A 重 油	〃	5,076	4,057	148	2,795	1,114	51	968	950
B・C 重 油	〃	53,378	51,348	26,018	14,084	11,246	558	1,472	11,333
炭 化 水 素 油	〃	3,295	3,137	1,864	1,273	-	-	158	10
液 化 石 油 ガ ス	t	68,205	68,156	8	68,128	20	44	5	257
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	8,649	8,650	5,224	3,426	-	-	-	22,612
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,311	2,280	2,056	178	46	-	31	-
非 石 油 系 燃 料 (原 油 換 算)	kl	715,829	701,275	233,773	315,760	151,742	1,526	13,028	98,478
石 炭	t	370,838	369,745	126,398	168,464	74,883	262	832	94,921
石 炭 コ ー ク ス	〃	311	311	311	-	-	-	-	-
天 然 ガ ス	1000m ³	6,452	6,453	1,702	4,555	196	-	-	-
液 化 天 然 ガ ス	t	7,461	7,238	-	1,175	6,063	223	-	1,172
都 市 ガ ス (A)	1000m ³	56,475	52,060	670	18,771	32,619	899	3,516	28,329
都 市 ガ ス (B) (注 2)	〃	60,706	55,957	733	19,840	35,384	915	3,833	30,889
回 収 黒 液	絶乾(Dry)t	780,108	765,586	336,467	390,094	39,025	-	14,522	-
廃 材	〃	139,412	135,153	33,128	43,676	58,349	135	4,124	-
廃 タ イ ヤ	t	17,074	16,518	5,864	5,947	4,707	-	556	-
廃 プ ラ ス チ ッ ク	〃	4,090	4,076	1,458	2,521	97	-	14	-
R P F	〃	43,018	41,602	9,544	15,847	16,211	3	1,413	-
電 力	1000kWh	361,240	344,409	48,533	187,147	108,729	6,740	10,091	161,855
蒸 気	t	55,772	51,410	-	46,197	5,213	4,362	-	103,354

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年2月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の 繊維製品 Other textiles	その他の 製品 Others	石油製品 工業 石油製品 業	石油製品 Petroleum	その他の 製品 Others	ガラス製品 工業 業	ガラス製品 Grass	その他の 製品 Others	
32,845	666	77,214	899,503	893,700	5,804	36,306	35,297	1,009	Total (Crude petroleum equivalent)
1,080	14	2,254	559,833	559,765	67	3,052	2,936	116	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	13,633	13,633	-	-	-	-	Naphtha
70	-	89	25	21	4	14	12	2	Kerosene
2	-	6	46	13	33	2	2	-	Gas oils
927	-	1,799	24,954	24,954	-	2,433	2,319	114	Heavy Fuel oil total
2	-	407	4,710	4,710	-	258	144	114	Heavy Fuel oil A
925	-	1,392	20,244	20,244	-	2,175	2,175	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
8	11	192	12,086	12,086	-	50	50	-	Liquefied petroleum gas
-	-	-	383,792	383,771	21	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	350	350	-	Reproduction oil (Oil origin)
505	9	6,162	23,461	23,461	-	24,375	24,215	159	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,241	5,241	-	-	-	-	Natural gas
68	-	-	12,523	12,523	-	5,819	5,819	-	Liquefied natural gas
358	7	5,333	5	5	-	14,026	13,889	137	Town gas(A)
385	8	5,802	5	5	-	15,207	15,057	150	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
106,435	3,215	311,636	820,439	766,944	53,495	89,086	81,202	7,884	Electricity
308,998	4,981	575,918	3,470,545	3,459,551	10,994	8,567	8,567	-	Steam
39,478	765	113,631	963,955	951,894	12,061	37,426	36,417	1,009	Total (Crude petroleum equivalent)
10,327	241	22,628	885,531	875,239	10,292	3,059	2,942	116	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	13,713	13,704	9	-	-	-	Naphtha
70	-	126	10,814	9,780	1,034	16	14	2	Kerosene
2	-	9	46	13	33	2	2	-	Gas oils
4,021	111	8,151	117,420	115,156	2,264	2,438	2,324	114	Heavy Fuel oil total
105	89	756	10,665	10,591	73	263	149	114	Heavy Fuel oil A
3,916	22	7,395	106,755	104,564	2,191	2,175	2,175	-	Heavy Fuel oil B・C
8	-	1	4,719	4,719	-	-	-	-	Hydrocarbon oil
8	11	238	18,309	17,843	466	50	50	-	Liquefied petroleum gas
-	-	-	497,921	495,309	2,612	-	-	-	Hydrocarbon gas
6,861	132	15,620	29,100	28,638	462	-	-	-	Petroleum coke
-	-	-	26,752	24,440	2,312	-	-	-	Asphalt
-	-	-	-	-	-	350	350	-	Reproduction oil (Oil origin)
16,824	61	81,593	39,707	38,994	714	26,646	26,487	159	Non-oil based fuels (Crude petroleum equivalent)
16,589	-	78,333	11,843	10,940	903	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,472	5,472	-	-	-	-	Natural gas
938	-	234	17,907	17,907	-	6,099	6,099	-	Liquefied natural gas
3,704	53	24,572	345	255	90	15,642	15,505	137	Town gas(A)
4,059	57	26,773	378	279	99	16,973	16,823	150	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
67,552	2,667	91,636	174,092	168,940	5,153	82,997	75,113	7,884	Electricity
87,431	3,113	12,810	325,833	317,499	8,334	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(February, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合計 (原油換算)	kl	5,532,629	4,558,867	4,418,711	3,527,969	890,742
石油系燃料 (原油換算)	"	4,013,912	3,964,459	3,953,371	3,525,357	428,015
原油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	14	2	2	...	2
ナフサ	"	2,451,953	2,444,403	2,444,403	2,444,403	-
改質生成油	"	1,067,477	1,067,477	1,067,477	1,067,477	...
灯油	"	57,156	54,965	54,965	54,755	210
軽油	"	14,978	14,780	14,780	14,779	1
重油	"	39,393	31,890	31,890	29,887	2,003
A重油	"	1,326	298	298	-	298
B・C重油	"	38,067	31,592	31,592	29,887	1,705
炭化水素油	"	28,504	24,823	24,823	17,156	7,667
液化石油ガス	t	320,294	305,298	305,163	289,589	15,574
石油系炭化水素ガス	1000m ³	307,623	306,251	302,720	1,022	301,698
オイルコークス	t	16,036	7,350	75	75	-
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	163	-	-	-	-
非石油系燃料 (原油換算)	kl	775,111	46,749	22,759	2,612	20,147
石炭	t	888,773	138	-	-	-
石炭コークス	"	12,377	2,517	-	...	-
タール	"	38,130	-	-	-	-
コークス炉ガス	1000m ³	93,958	1,059	199	-	199
高転炉ガス	"	109,776	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	11,301	4,472	4,322	-	4,322
液化天然ガス	t	31,568	24,012	9,056	1,848	7,208
都市ガス (A)	1000m ³	9,235	4,618	4,442	...	4,442
都市ガス (B)	"	9,914	4,996	4,810	...	4,810
廃プラ	t	-	-	-	-	-
廃プラスチック	"	3,579	77	-	-	-
RPF	"	-	-	-	-	-
電蒸	力気	2,732,882	1,796,765	962,104	...	962,104
蒸気	t	7,080,066	5,505,064	5,108,144	...	5,108,144

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計 (原油換算)	kl	5,627,231	4,558,551	4,367,374	3,527,969	839,405
石油系燃料 (原油換算)	"	4,196,230	4,110,543	4,088,029	3,525,357	562,672
原油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	14	2	2	-	2
ナフサ	"	2,451,953	2,444,403	2,444,403	2,444,403	-
改質生成油	"	1,067,477	1,067,477	1,067,477	1,067,477	-
灯油	"	57,193	54,997	54,995	54,755	240
軽油	"	14,978	14,780	14,780	14,779	1
重油	"	67,333	54,393	52,046	29,887	22,159
A重油	"	3,469	1,768	1,238	-	1,238
B・C重油	"	63,864	52,625	50,808	29,887	20,921
炭化水素ガス	"	65,854	61,360	61,248	17,156	44,092
液化石油ガス	t	324,122	309,035	308,806	289,589	19,217
石油系炭化水素ガス	1000m ³	369,108	352,717	347,148	1,022	346,126
オイルコークス	t	46,160	26,256	11,998	75	11,923
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	1,852	1,689	1,689	-	1,689
非石油系燃料 (原油換算)	kl	1,147,462	236,114	110,109	2,612	107,497
石炭	t	1,310,726	196,262	61,341	-	61,341
石炭コークス	"	12,377	2,517	-	-	-
タール	"	38,130	-	-	-	-
コークス炉ガス	1000m ³	97,145	1,740	413	-	413
高転炉ガス	"	109,776	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	36,610	12,348	6,769	-	6,769
液化天然ガス	t	47,940	38,877	22,226	1,848	20,378
都市ガス (A)	1000m ³	30,102	18,811	16,626	-	16,626
都市ガス (B)	"	31,467	19,300	16,972	-	16,972
廃プラ	t	13,179	12,719	12,441	-	12,441
廃プラスチック	"	3,579	77	-	-	-
RPF	"	1,404	1,404	1,404	-	1,404
電蒸	力気	1,346,925	921,358	516,928	-	516,928
蒸気	t	2,289,364	1,825,570	1,752,713	-	1,752,713

(令和3年2月)

(化学工業製品 Chemicals products industry)				その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products			ソーダ工業製品 Soda products		
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels			
49,786	22,823	26,963	90,371	973,761	Total (Crude petroleum equivalent)
11,088	6,260	4,828	-	49,453	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	...	-	-	12	Gasoline
-	-	-	-	7,550	Naphtha
-	...	...	...	-	Oil produced by conversion
-	-	-	-	2,191	Kerosene
-	-	-	-	198	Gas oils
-	-	-	-	7,503	Heavy Fuel oil total
-	-	-	-	1,028	Heavy Fuel oil A
-	-	-	-	6,475	Heavy Fuel oil B・C
-	-	-	-	3,681	Hydrocarbon oil
135	-	135	-	14,996	Liquefied petroleum gas
3,531	-	3,531	-	1,372	Hydrocarbon gas
7,275	7,275	-	-	8,686	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	163	Reproduction oil (Oil origin)
21,963	16,563	5,400	2,027	728,362	Non-oil based fuels (Crude petroleum equivalent)
138	138	-	-	888,635	Coal
-	...	-	2,517	9,860	Coal coke
-	-	-	-	38,130	Tar
860	-	860	-	92,899	Coke oven gas
-	-	-	-	109,776	Blast furnace gas
-	-	-	-	-	Converter furnace gas
53	53	-	97	6,829	Natural gas
14,946	11,570	3,376	10	7,556	Liquefied natural gas
159	...	159	17	4,617	Town gas(A)
167	...	167	19	4,918	Town gas(B)
-	-	-	-	-	Used tires
77	77	-	-	3,502	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
60,197	...	60,197	774,464	936,117	Electricity
161,091	...	161,091	235,829	1,575,002	Steam
52,634	22,823	29,812	138,543	1,068,680	Total (Crude petroleum equivalent)
15,503	6,260	9,244	7,011	85,687	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	-	-	-	12	Gasoline
-	-	-	-	7,550	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	2	2,196	Kerosene
-	-	-	-	198	Gas oils
1,345	-	1,345	1,001	12,940	Heavy Fuel oil total
109	-	109	420	1,701	Heavy Fuel oil A
1,236	-	1,236	581	11,239	Heavy Fuel oil B・C
21	-	21	92	4,494	Hydrocarbon oil
135	-	135	94	15,087	Liquefied petroleum gas
5,562	-	5,562	6	16,392	Hydrocarbon gas
7,592	7,275	317	6,665	19,905	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	163	Reproduction oil (Oil origin)
31,377	16,563	14,814	94,629	911,348	Non-oil based fuels (Crude petroleum equivalent)
6,817	138	6,679	128,103	1,114,464	Coal
-	-	-	2,517	9,860	Coal coke
-	-	-	-	38,130	Tar
1,328	-	1,328	-	95,405	Coke oven gas
-	-	-	-	109,776	Blast furnace gas
-	-	-	-	-	Converter furnace gas
3,471	53	3,418	2,107	24,263	Natural gas
15,581	11,570	4,011	1,070	9,063	Liquefied natural gas
171	-	171	2,014	11,291	Town gas(A)
179	-	179	2,149	12,167	Town gas(B)
-	-	-	278	460	Used tires
77	77	-	-	3,502	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
38,569	-	38,569	365,861	425,567	Electricity
31,344	-	31,344	41,514	463,794	Steam

(February, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合 計 (原 油 換 算)	kl	591,046	467,010	377,545	326,142	51,403
石 油 系 燃 料 (原 油 換 算)	"	118,056	108,430	67,322	65,674	1,649
ガ ソ リ ン	"	34	28	23	...	23
灯 油	"	1,085	718	217	152	65
軽 油	"	989	622	532	190	342
重 油 計	"	30,384	28,875	1,875	994	881
A 重 油	"	1,563	1,311	449	303	146
B・C 重 油	"	28,821	27,564	1,426	691	735
炭 化 水 素 油	"	16,714	16,714	16,051	15,844	207
液 化 石 油 ガ ス	t	1,628	446	1	-	1
オ イ ル コ ー ク ス	"	43,709	39,420	33,170	33,170	-
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	25,353	23,349	18,725	18,652	73
非 石 油 系 燃 料 (原 油 換 算)	kl	308,777	302,206	262,491	260,468	2,022
石 炭	t	356,667	355,118	345,330	344,744	586
石 炭 コ ー ク ス	"	17,579	12,666	164	164	-
コ ー ク ス 炉 ガ ス	1000m ³	21,271	21,271	171	-	171
高 炉 ガ ス	"	1,741	1,741	107	-	107
転 炉 ガ ス	"	18,496	18,496	3,192	-	3,192
電 気 炉 ガ ス	"	436	436	-	-	-
天 然 ガ ス	"	1,378	1,378	-	-	-
液 化 天 然 ガ ス	t	63	63	-	-	-
都 市 ガ ス (A)	1000m ³	6,589	5,822	1,321	569	752
都 市 ガ ス (B)	"	7,160	6,338	1,411	623	788
廃 材	絶乾(Dry)t	194	194	194	194	-
廃 タ イ ヤ	t	5,807	5,807	5,807	5,807	-
廃 プ ラ ス チ ッ ク	"	31,364	30,080	29,159	29,159	-
R P F	"	2,365	2,365	55	55	-
電 力	1000kWh	1,272,320	552,048	481,217	...	481,217
蒸 気	t	663,449	72,632	42,928	...	42,928

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	713,228	510,709	421,753	326,142	95,611
石 油 系 燃 料 (原 油 換 算)	"	131,550	121,276	79,111	65,674	13,438
ガ ソ リ ン	"	34	28	23	-	23
灯 油	"	1,276	909	217	152	65
軽 油	"	989	622	532	190	342
重 油 計	"	31,963	29,924	2,077	994	1,083
A 重 油	"	2,190	1,938	536	303	233
B・C 重 油	"	29,773	27,985	1,540	691	849
炭 化 水 素 油	"	16,714	16,714	16,051	15,844	207
液 化 石 油 ガ ス	t	1,628	446	1	-	1
オ イ ル コ ー ク ス	"	57,249	52,871	46,618	33,170	13,448
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	25,359	23,355	18,731	18,652	79
非 石 油 系 燃 料 (原 油 換 算)	kl	547,199	365,228	325,192	260,468	64,724
石 炭	t	693,793	439,474	429,486	344,744	84,742
石 炭 コ ー ク ス	"	17,579	12,666	164	164	-
コ ー ク ス 炉 ガ ス	1000m ³	21,271	21,271	171	-	171
高 炉 ガ ス	"	1,741	1,741	107	-	107
転 炉 ガ ス	"	18,496	18,496	3,192	-	3,192
電 気 炉 ガ ス	"	436	436	-	-	-
天 然 ガ ス	"	9,913	6,278	4,866	-	4,866
液 化 天 然 ガ ス	t	63	63	-	-	-
都 市 ガ ス (A)	1000m ³	7,013	5,964	1,321	569	752
都 市 ガ ス (B)	"	7,573	6,478	1,411	623	788
廃 材	絶乾(Dry)t	194	194	194	194	-
廃 タ イ ヤ	t	6,620	5,871	5,869	5,807	62
廃 プ ラ ス チ ッ ク	"	31,364	30,080	29,159	29,159	-
R P F	"	3,154	3,154	844	55	789
電 力	1000kWh	363,346	255,597	186,762	-	186,762
蒸 気	t	9,822	6,192	1,108	-	1,108

(令和3年2月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
27,126	22,580	4,545	62,339	124,037	Total (Crude petroleum equivalent)	
18,391	17,997	394	22,717	9,625	Oil based fuels (Crude petroleum equivalent)	
-	...	-	5	6	Gasoline	
12	-	12	489	367	Kerosene	
2	-	2	88	367	Gas oils	
16,488	16,395	93	10,512	1,509	Heavy Fuel oil total	
93	-	93	769	252	Heavy Fuel oil A	
16,395	16,395	-	9,743	1,257	Heavy Fuel oil B・C	
-	-	-	663	-	Hydrocarbon oil	
445	223	222	-	1,182	Liquefied petroleum gas	
-	-	-	6,250	4,289	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,624	2,004	Reproduction oil (Oil origin)	
5,011	4,583	428	34,704	6,571	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	9,788	1,549	Coal	
-	-	-	12,502	4,913	Coal coke	
-	-	-	21,100	-	Coke oven gas	
-	-	-	1,634	-	Blast furnace gas	
-	-	-	15,304	-	Converter furnace gas	
-	-	-	436	-	Electric furnace gas	
756	756	-	622	-	Natural gas	
53	-	53	10	-	Liquefied natural gas	
3,473	3,158	315	1,028	767	Town gas(A)	
3,866	3,534	332	1,061	822	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	921	1,284	Waste plastic	
-	-	-	2,310	-	Refuse Paper & Plastic Fuel	
29,200	...	29,200	41,631	720,272	Electricity	
14,576	...	14,576	15,128	590,817	Steam	
26,809	22,580	4,029	62,347	202,519	Total (Crude petroleum equivalent)	
18,676	17,997	679	23,489	10,274	Oil based fuels (Crude petroleum equivalent)	
-	-	-	5	6	Gasoline	
78	-	78	614	367	Kerosene	
2	-	2	88	367	Gas oils	
16,695	16,395	300	11,152	2,040	Heavy Fuel oil total	
96	-	96	1,306	252	Heavy Fuel oil A	
16,599	16,395	204	9,846	1,788	Heavy Fuel oil B・C	
-	-	-	663	-	Hydrocarbon oil	
445	223	222	-	1,182	Liquefied petroleum gas	
-	-	-	6,253	4,377	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,624	2,004	Reproduction oil (Oil origin)	
5,070	4,583	487	34,966	181,970	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	9,988	254,320	Coal	
-	-	-	12,502	4,913	Coal coke	
-	-	-	21,100	-	Coke oven gas	
-	-	-	1,634	-	Blast furnace gas	
-	-	-	15,304	-	Converter furnace gas	
-	-	-	436	-	Electric furnace gas	
756	756	-	656	3,636	Natural gas	
53	-	53	10	-	Liquefied natural gas	
3,526	3,158	368	1,117	1,049	Town gas(A)	
3,922	3,534	388	1,145	1,095	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	2	749	Used tires	
-	-	-	921	1,284	Waste plastic	
-	-	-	2,310	-	Refuse Paper & Plastic Fuel	
28,091	-	28,091	40,744	107,748	Electricity	
3,605	-	3,605	1,479	3,630	Steam	

(February, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	鉄鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合計 (原油換算)	kl	7,038,953	4,762,202	335,929	14,826	2,470,554	47,455	289,542	166,666	
石油系燃料 (原油換算)	kl	97,212	72,459	71	170	15,822	2,700	8,176	6,517	
ガソリン	kl	102	35	-	-	-	-	-	-	
灯油	kl	6,493	6,306	-	-	-	34	687	28	
軽油	kl	2,082	1,681	-	-	2	34	146	145	
重油計	kl	23,581	23,474	-	157	47	2,219	1,286	353	
A重油	kl	14,015	13,908	-	-	47	501	1,142	353	
B・C重油	kl	9,566	9,566	-	157	-	1,718	144	-	
炭化水素油	kl	5,044	-	-	-	-	-	-	-	
液化石油ガス	t	20,465	19,269	-	-	343	116	4,671	4,630	
石油系炭化水素ガス	1000m³	3	3	-	-	-	-	-	-	
オイルコークス	t	37,952	17,898	83	-	17,815	-	-	-	
アスファルト	kl	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	153	153	-	-	-	120	33	-	
非石油系燃料 (原油換算)	kl	6,053,555	3,857,181	304,649	12,863	2,399,793	32,853	140,884	110,108	
コークス製造用炭(原料炭)	t	2,898,678	271,531	-	-	271,531	-	-	-	
石炭	kl	1,191,639	1,191,639	92,002	9,013	711,274	24,721	38,890	35,124	
石炭コークス	kl	2,231,432	2,214,838	308,124	7,823	1,859,403	20,150	15,498	3,354	
タール	kl	8,778	-	-	-	-	-	-	-	
コークス炉ガス	1000m³	717,985	578,121	19,574	1,758	82,606	240	29,304	28,036	
高炉ガス	kl	5,856,658	4,645,795	8,642	-	2,114,440	98	467	406	
転炉ガス	kl	358,994	307,993	1,035	-	82,685	189	1,777	1,670	
電気炉ガス	kl	5,990	5,990	-	-	-	-	-	-	
天然ガス	kl	1,866	1,859	-	-	-	-	193	-	
液化天然ガス	t	30,263	30,247	-	-	4	144	480	-	
都市ガス (A)	1000m³	177,990	171,419	361	-	4,811	4	7,534	2,343	
都市ガス (B)	kl	194,464	187,276	395	-	5,269	4	8,211	2,571	
酸素	1000Nm³	781,047	780,831	...	...	328,988	3,635	416,215	353,371
酸廃材	絶乾(Dry)t	3,516	3,516	-	-	-	-	-	-	
廃タイヤ	t	851	851	-	-	-	-	851	851	
廃プラスチック	kl	15,693	2,673	-	-	2,199	38	436	436	
RPF	kl	-	-	-	-	-	-	-	-	
電蒸	力気	4,868,104	4,545,430	323,274	18,586	382,480	125,994	1,308,262	358,270	
蒸気	t	6,298,169	5,927,887	16,446	935	280,073	2,642	271,729	241,791	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	6,314,119	4,032,471	346,142	16,499	2,491,800	50,069	309,610	181,405
石油系燃料 (原油換算)	kl	93,652	68,011	734	209	17,745	4,837	9,698	7,784
ガソリン	kl	102	35	-	-	-	-	-	-
灯油	kl	6,462	6,275	-	-	-	34	741	28
軽油	kl	2,082	1,681	-	-	2	34	146	145
重油計	kl	20,852	20,531	412	157	1,033	4,186	2,171	1,035
A重油	kl	11,910	11,742	63	-	228	555	1,626	634
B・C重油	kl	8,942	8,789	349	157	805	3,631	545	401
炭化水素油	kl	5,044	-	-	-	-	-	-	-
液化石油ガス	t	19,892	18,185	171	31	1,016	129	5,097	5,056
石油系炭化水素ガス	1000m³	3	3	-	-	-	-	-	-
オイルコークス	t	37,952	17,898	83	-	17,815	-	-	-
アスファルト	kl	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	153	153	-	-	-	120	33	-
非石油系燃料 (原油換算)	kl	5,869,247	3,639,778	324,673	16,153	2,449,758	35,240	191,798	151,330
コークス製造用炭(原料炭)	t	2,898,678	271,531	-	-	271,531	-	-	-
石炭	kl	1,051,557	1,035,726	95,735	10,291	726,756	25,262	66,134	53,581
石炭コークス	kl	2,231,432	2,214,838	308,124	7,823	1,859,403	20,150	15,498	3,354
タール	kl	8,778	-	-	-	-	-	-	-
コークス炉ガス	1000m³	684,793	538,150	25,832	2,519	93,518	563	38,408	36,866
高炉ガス	kl	5,283,148	3,911,702	126,206	20,877	2,399,871	8,937	208,529	205,904
転炉ガス	kl	318,261	260,828	6,600	326	94,173	327	11,735	11,249
電気炉ガス	kl	5,990	4,788	-	-	-	4,618	-	-
天然ガス	kl	1,866	1,859	-	-	-	-	193	-
液化天然ガス	t	28,913	28,767	62	-	78	144	1,097	152
都市ガス (A)	1000m³	171,068	162,590	2,168	28	9,036	16	12,320	4,853
都市ガス (B)	kl	186,931	177,652	2,367	31	9,874	17	13,443	5,310
酸素	1000Nm³	781,047	780,831	...	...	328,988	3,635	416,215	353,371
酸廃材	絶乾(Dry)t	1,607	1,607	-	-	-	-	-	-
廃タイヤ	t	851	851	-	-	-	-	851	851
廃プラスチック	kl	15,693	2,673	-	-	2,199	38	436	436
RPF	kl	-	-	-	-	-	-	-	-
電蒸	力気	3,525,865	3,298,956	219,303	1,305	242,100	106,153	1,141,211	221,920
蒸気	t	336,118	257,543	4,849	222	25,699	1,705	28,274	23,828

(令和3年2月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
122,876	14,034	4,424	489,350	846,173	249,915	2,233,936	42,815	Total	
1,659	1,993	1,970	13,442	16,612	11,503	22,807	1,946	(Crude petroleum equivalent)	
-	-	-	1	-	34	-	67	Gasoline	
659	544	784	2,787	160	1,310	2	185	Kerosene	
1	48	10	20	-	1,421	18	383	Gas oils	
933	1,281	505	4,532	10,912	2,535	-	107	Heavy Fuel oil total	
789	1,281	501	3,708	4,281	2,447	-	107	Heavy Fuel oil A	
144	-	4	824	6,631	88	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	5,044	-	Hydrocarbon oil	
41	112	550	4,765	3,859	4,853	246	950	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	20,054	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
30,776	7,771	797	323,890	564,170	69,511	2,182,023	14,351	Non-oil based fuels	
-	-	-	-	-	-	2,626,232	915	(Crude petroleum equivalent)	
3,766	-	-	-	315,739	-	...	-	Coal for making coke (material coal)	
12,144	-	2	-	-	3,838	15,906	688	Coal	
-	-	-	-	-	-	8,768	10	Coal coke	
1,268	447	32	306,844	109,284	28,032	133,040	6,824	Tar	
61	274	-	132,682	2,236,749	152,443	1,208,525	2,338	Coke oven gas	
107	483	-	87,676	124,985	9,163	37,569	13,432	Blast furnace gas	
-	-	-	-	5,990	-	-	-	Converter furnace gas	
193	109	-	1,122	228	207	-	7	Electric furnace gas	
480	1,473	150	20,008	4,246	3,742	-	16	Natural gas	
5,191	4,439	450	86,568	44,469	22,783	1,073	5,498	Liquefied natural gas	
5,640	4,860	490	94,467	48,561	25,019	1,175	6,013	Town gas(A)	
62,844	242	252	10,796	...	20,703	...	216	Town gas(B)	
-	-	-	-	3,516	-	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	13,020	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
949,992	45,187	16,926	1,286,326	126,727	911,668	152,297	170,377	Electricity	
29,938	956	1,197	468,161	3,668,929	1,216,619	216,120	154,362	Steam	

128,205	14,130	4,436	532,943	-	266,841	2,229,283	52,365	Total
1,914	1,994	1,976	15,914	-	14,904	23,055	2,585	(Crude petroleum equivalent)
-	-	-	1	-	34	-	67	Gasoline
713	544	784	2,791	-	1,382	2	185	Kerosene
1	48	10	20	-	1,421	18	383	Gas oils
1,136	1,283	511	5,935	-	4,843	87	234	Heavy Fuel oil total
992	1,283	507	4,266	-	3,213	1	167	Heavy Fuel oil A
144	-	4	1,668	-	1,630	86	67	Heavy Fuel oil B・C
-	-	-	-	-	-	5,044	-	Hydrocarbon oil
41	112	550	5,534	-	5,546	365	1,342	Liquefied petroleum gas
-	-	-	3	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	20,054	-	Petroleum coke
-	-	-	-	-	-	-	-	Asphalt
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)
40,468	7,933	819	431,012	-	182,393	2,194,250	35,218	Non-oil based fuels
-	-	-	-	-	-	2,626,232	915	(Crude petroleum equivalent)
12,553	-	-	57,792	-	53,756	1,879	13,952	Coal for making coke (material coal)
12,144	-	2	-	-	3,838	15,906	688	Coal
-	-	-	-	-	-	8,768	10	Coal coke
1,542	447	32	325,123	-	51,707	137,307	9,336	Tar
2,626	280	-	540,144	-	606,856	1,278,165	93,281	Coke oven gas
486	483	-	111,117	-	36,068	41,558	15,875	Blast furnace gas
-	-	-	-	-	170	-	1,202	Converter furnace gas
193	109	-	1,313	-	244	-	7	Electric furnace gas
945	1,581	150	20,871	-	4,784	84	63	Natural gas
7,466	4,446	469	98,779	-	35,329	2,209	6,269	Liquefied natural gas
8,132	4,867	510	107,811	-	38,732	2,419	6,860	Town gas(A)
62,844	242	252	10,796	...	20,703	...	216	Town gas(B)
-	-	-	735	-	873	-	-	Oxygen
-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	Used Tires
-	-	-	-	-	-	13,020	-	Waste plastic
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
919,291	44,505	16,839	881,538	-	646,003	109,953	116,956	Electricity
4,447	903	1,094	58,065	-	136,731	25,303	53,272	Steam

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry							
		非鉄金属 地金工業	非鉄金属地金	Non-ferrous metals			鉛	Lead	
				銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	89,130	77,908	25,638	18,894	6,744	6,332	5,716	616
石油系燃料 (原油換算)	"	18,493	16,572	5,206	5,205	1	649	330	319
ガソリン	"	3	3	-	-	-	-	-	-
灯油	"	1,170	314	84	83	1	-	-	-
軽油	"	315	106	4	4	-	-	-	-
重油計	"	9,854	9,236	4,141	4,141	-	446	207	239
A重油	"	4,628	4,022	613	613	-	446	207	239
B・C重油	"	5,226	5,214	3,528	3,528	-	-	-	-
炭化水素油	"	3,188	3,023	247	247	-	-	-	-
液化石油ガス	t	458	369	248	248	-	1	-	1
オイルコークス	"	219	219	139	139	-	80	80	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,603	2,603	-	-	-	126	51	75
非石油系燃料 (原油換算)	kl	24,127	23,762	3,280	3,280	-	4,611	4,611	-
石炭	t	4,311	4,311	4,187	4,187	-	109	109	-
石炭コークス	"	13,770	13,754	109	109	-	5,226	5,226	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	24,531	24,531	-	-	-	6,106	6,106	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	386	386	-	-	-	-	-	-
液化天然ガス	t	2,177	2,177	265	265	-	41	41	-
都市ガス (A)	1000m ³	4,584	4,281	-	-	-	-	-	-
都市ガス (B)	"	4,837	4,505	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	401,187 132,963	327,417 102,951	129,464 73,911	77,523 46,261	51,941 27,650	10,184 1,801	7,156 1,587	3,028 214

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	83,022	72,424	20,262	15,189	5,074	6,380	5,761	619
石油系燃料 (原油換算)	"	19,358	17,220	5,660	5,422	237	672	350	322
ガソリン	"	3	3	-	-	-	-	-	-
灯油	"	1,213	357	127	83	44	-	-	-
軽油	"	315	106	4	4	-	-	-	-
重油計	"	10,661	9,827	4,540	4,347	192	468	227	242
A重油	"	5,246	4,441	843	683	160	468	227	242
B・C重油	"	5,415	5,386	3,697	3,664	33	-	-	-
炭化水素油	"	3,188	3,023	247	247	-	-	-	-
液化石油ガス	t	458	369	248	248	-	1	-	1
オイルコークス	"	219	219	139	139	-	80	80	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,603	2,603	-	-	-	126	51	75
非石油系燃料 (原油換算)	kl	25,901	25,065	3,280	3,280	-	4,784	4,784	-
石炭	t	4,311	4,311	4,187	4,187	-	109	109	-
石炭コークス	"	13,770	13,754	109	109	-	5,226	5,226	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	36,123	32,639	-	-	-	7,795	7,795	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	386	386	-	-	-	-	-	-
液化天然ガス	t	2,261	2,236	265	265	-	53	53	-
都市ガス (A)	1000m ³	5,079	4,678	-	-	-	-	-	-
都市ガス (B)	"	5,389	4,950	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	374,993 41,666	309,028 20,146	114,436 9,798	67,749 2,662	46,687 7,136	9,607 441	6,579 227	3,028 214

(令和3年2月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
22,585	14,138	8,447	8,800	12,229	2,323	11,222	Total (Crude petroleum equivalent)	
986	398	589	1,939	7,513	279	1,920	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
5	5	-	146	75	4	856	Kerosene	
8	8	-	14	80	-	209	Gas oils	
771	365	406	1,634	2,131	113	618	Heavy Fuel oil total	
576	170	406	380	1,894	113	606	Heavy Fuel oil A	
195	195	-	1,254	237	-	12	Heavy Fuel oil B・C	
-	-	-	-	2,776	-	165	Hydrocarbon oil	
2	2	-	38	75	5	89	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
174	-	174	-	2,154	149	-	Reproduction oil (Oil origin)	
8,859	1,717	7,142	3,180	3,591	242	365	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	15	-	Coal	
8,362	1,447	6,915	-	-	57	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
18,425	672	17,753	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	386	-	-	-	Natural gas	
587	359	228	247	907	130	-	Liquefied natural gas	
54	54	-	2,040	2,182	5	303	Town gas(A)	
60	60	-	2,266	2,174	5	332	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
129,285	125,088	4,197	39,409	12,095	6,980	73,770	Electricity	
10,321	5,604	4,717	229	-	16,689	30,012	Steam	
22,798	14,207	8,591	8,809	12,229	1,945	10,598	Total (Crude petroleum equivalent)	
1,056	400	656	1,939	7,513	381	2,139	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
5	5	-	146	75	4	856	Kerosene	
8	8	-	14	80	-	209	Gas oils	
840	367	472	1,634	2,131	214	834	Heavy Fuel oil total	
645	172	472	380	1,894	211	805	Heavy Fuel oil A	
195	195	-	1,254	237	3	29	Heavy Fuel oil B・C	
-	-	-	-	2,776	-	165	Hydrocarbon oil	
2	2	-	38	75	5	89	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
174	-	174	-	2,154	149	-	Reproduction oil (Oil origin)	
9,899	2,173	7,726	3,178	3,590	334	835	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	15	-	Coal	
8,362	1,447	6,915	-	-	57	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
24,165	710	23,455	-	-	679	3,484	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	386	-	-	-	Natural gas	
629	359	269	247	907	135	25	Liquefied natural gas	
433	433	-	2,040	2,182	23	401	Town gas(A)	
485	485	-	2,265	2,174	26	439	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
127,324	125,070	2,254	39,409	12,095	6,157	65,965	Electricity	
-	-	-	382	-	9,525	21,520	Steam	

(February, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合 計 (原 油 換 算)	kl	289,743	212,136	4,064	5,891	22,380
石 油 系 燃 料 (原 油 換 算)	〃	20,439	11,862	621	1,495	407
ガ ソ リ ン	〃	3,767	2,227	-	2	-
灯 油	〃	2,626	1,335	8	169	43
軽 油	〃	2,445	559	253	3	1
重 油 計	〃	3,916	2,074	1	1,252	76
A 重 油	〃	3,916	2,074	1	1,252	76
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	6,465	4,670	281	56	223
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	70,151	46,389	1,171	739	1,416
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	688	688	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	1,568	1,568	-	-	-
液 化 天 然 ガ ス	t	3,384	1,298	-	114	44
都 市 ガ ス (A)	1000m ³	54,517	36,561	1,002	496	1,150
都 市 ガ ス (B)	〃	59,444	39,846	1,103	544	1,274
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,140,897	1,654,269	24,423	39,315	220,993

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	347,918	260,600	4,223	6,888	29,838
石 油 系 燃 料 (原 油 換 算)	〃	23,806	15,077	699	1,622	1,586
ガ ソ リ ン	〃	3,767	2,227	-	2	-
灯 油	〃	2,706	1,409	8	238	48
軽 油	〃	2,476	586	253	3	4
重 油 計	〃	5,355	3,386	32	1,314	126
A 重 油	〃	5,355	3,386	32	1,314	126
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	7,867	6,061	317	56	1,089
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	149,300	111,764	1,330	1,883	9,935
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	688	688	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	3,995	3,980	-	-	879
液 化 天 然 ガ ス	t	8,402	5,213	-	174	220
都 市 ガ ス (A)	1000m ³	114,278	85,868	1,137	1,407	7,537
都 市 ガ ス (B)	〃	124,783	93,699	1,253	1,541	8,153
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	1,879,235	1,437,907	23,583	36,360	196,916

(令和3年2月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
55,114	3,888	120,800	77,607	Total (Crude petroleum equivalent)
471	95	8,774	8,577	Oil based fuels (Crude petroleum equivalent)
2	-	2,223	1,540	Gasoline
4	10	1,101	1,291	Kerosene
-	-	302	1,886	Gas oils
166	50	529	1,842	Heavy Fuel oil total
166	50	529	1,842	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
231	27	3,852	1,795	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,188	198	41,678	23,762	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	688	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
6	-	1,562	-	Natural gas
-	-	1,140	2,086	Liquefied natural gas
1,009	170	32,734	17,956	Town gas(A)
1,112	186	35,626	19,599	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
574,635	38,652	756,251	486,628	Electricity
65,714	3,905	150,033	87,318	Total (Crude petroleum equivalent)
1,322	95	9,754	8,728	Oil based fuels (Crude petroleum equivalent)
2	-	2,223	1,540	Gasoline
4	10	1,101	1,297	Kerosene
-	-	326	1,890	Gas oils
620	50	1,244	1,969	Heavy Fuel oil total
620	50	1,244	1,969	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
536	27	4,036	1,806	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
16,219	227	82,170	37,536	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	688	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
6	-	3,095	15	Natural gas
-	-	4,819	3,189	Liquefied natural gas
13,897	195	61,695	28,410	Town gas(A)
15,266	214	67,272	31,084	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
517,857	38,521	624,669	441,328	Electricity

(February, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	679,870	12,011	4,652
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	7
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	42
板 ガ ラ ス Sheet Glass	...	-	-	-	29
石 灰 Lime	...	-	-	-	248
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	75
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	176
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	28

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
7,180	729	16,470	68,065	11,587	53,889	-
-	125	1,549	268	145,877	29,110	-
-	888	1,885	19	9,729	253,161	1,037
9	1,653	14,116	-	119,738	496,131	334
-	94	14,864	84	-	-	-
26	1,341	4,413	-	4,838	21,871	7,842
-	706	2,649	31	-	18,867	25
-	259	-	-	51	45	3,424
1	396	144	0	-	-	3,609
1	65	87	6	-	-	-
19	230	50	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(February, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	508,584	-	139,800	10,270	-
石 油 系 燃 料 (原 油 換 算)	"	76,249	-	9,825	9,328	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	3	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	193	-	42	-	-
軽 油	"	94	-	-	-	-
A 重 油	"	4,206	-	52	1	-
B・C 重 油	"	12,198	-	7,778	-	-
炭 化 水 素 油	"	148	-	148	-	-
液 化 石 油 ガ ス	t	8,038	-	253	7,205	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	34,171	-	-	-	-
オ イ ル コ ー ク ス	t	2,983	-	588	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	397	-	333	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	412,485	-	126,478	384	-
石 炭 コ ー ク ス	t	362,484	-	123,039	-	-
コ ー ク ス 炉 ガ ス	1000m ³	71,931	-	311	-	-
高 炉 ガ ス	"	37,295	-	-	-	-
液 化 天 然 ガ ス	"	270,386	-	-	-	-
都 市 ガ ス (B)	t	3,336	-	132	272	-
回 収 黒 液	1000m ³	199	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	100,634	-	100,634	...	...
R P F	t	3,280	-	16	-	-
	"	1,429	-	1,429	-	-
電 力	1000kWh	481,648	-	250,740	4,616	-
う ち 購 入 分	"	120,994	-	20,258	4,616	-
蒸 気	t	2,812,582	-	1,647,629	8,209	-
う ち 受 入 分	"	101,018	-	-	1,848	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	322,470	-	128,023	37,395	138
石 油 系 燃 料 (原 油 換 算)	"	77,114	-	9,433	25,488	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	3,058	-	-	-	-
灯 油	"	24,084	-	-	24,084	-
軽 油	"	1,614	-	3	-	-
A 重 油	"	208	-	6	-	-
B・C 重 油	"	5,774	-	975	503	-
炭 化 水 素 油	"	12,080	-	7,078	-	-
液 化 石 油 ガ ス	"	1,143	-	180	-	-
石 油 系 炭 化 水 素 ガ ス	t	3,272	-	75	2,761	-
オ イ ル コ ー ク ス	1000m ³	17,208	-	-	331	-
ア ス フ ェ ル ト	t	4,738	-	367	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
	kl	727	-	193	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	211,471	-	115,782	9,994	-
石 炭 コ ー ク ス	t	173,098	-	77,564	13,599	-
コ ー ク ス 炉 ガ ス	"	10,784	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	"	37,931	-	-	-	-
都 市 ガ ス (B)	t	5,890	-	-	582	-
回 収 黒 液	1000m ³	2,096	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	116,929	-	116,929	...	...
R P F	t	4,372	-	145	-	-
	"	7,969	-	7,962	-	-
電 力	1000kWh	650,876	-	240,348	38,652	601
う ち 購 入 分	"	334,825	-	30,185	16,235	601
蒸 気	t	2,055,755	-	1,587,727	147,844	1,189
う ち 受 入 分	"	24,356	-	-	5,825	1,189

(令和3年2月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
49,054	34,251	-	270,740	-	4,469	Total (Crude petroleum equivalent)
49,042	1,324	-	6,560	-	169	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	3	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
2	12	-	137	-	-	Kerosene
-	8	-	86	-	-	Gas oils
-	468	-	3,580	-	105	Heavy Fuel oil A
3,711	709	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
34,171	-	-	531	-	49	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	2,395	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	64	-	-	-	-	Reproduction oil (Oil origin)
-	31,476	-	250,622	-	3,525	Non-oil based fuels (Crude petroleum equivalent)
-	42,884	-	196,561	-	-	Coal
-	164	-	71,456	-	-	Coal coke
-	157	-	37,138	-	-	Coke oven gas
-	-	-	270,386	-	-	Blast furnace gas
-	-	-	588	-	2,344	Liquefied natural gas
-	-	-	-	-	199	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,864	-	400	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
35,637	42,961	-	130,875	-	16,819	Electricity
134	15,548	-	72,103	-	8,335	among those purchased
165,260	103,051	-	888,433	-	...	Steam
-	67	-	99,103	-	...	among those accepted
27,499	31,809	1,548	55,324	29,868	10,865	Total (Crude petroleum equivalent)
27,046	4,366	246	5,707	3,196	1,631	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
3,058	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	20	10	264	182	1,135	Kerosene
-	108	1	10	73	10	Gas oils
211	124	233	1,905	1,396	427	Heavy Fuel oil A
1,816	8	-	2,887	291	-	Heavy Fuel oil B・C
-	317	-	-	646	-	Hydrocarbon oil
-	-	1	318	25	92	Liquefied petroleum gas
16,877	-	-	-	-	-	Hydrocarbon gas
-	4,291	-	-	80	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	85	-	-	449	-	Reproduction oil (Oil origin)
-	24,600	288	40,140	16,208	4,459	Non-oil based fuels (Crude petroleum equivalent)
-	30,396	-	47,316	4,223	-	Coal
-	-	-	1,159	9,625	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	37,931	-	Blast furnace gas
-	-	204	3,576	1,528	-	Liquefied natural gas
-	-	-	-	460	1,636	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,227	-	-	-	-	Waste plastic
-	7	-	-	-	-	Refuse Paper & Plastic Fuel
20,667	36,646	10,830	132,908	112,219	58,005	Electricity
4,871	30,558	5,636	101,884	93,521	51,334	among those purchased
115,745	31,349	-	11,208	160,693	...	Steam
-	-	-	-	17,342	...	among those accepted

(February, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,069,174	30,778	188,873	2,287,465	10,883
石 油 系 燃 料 (原 油 換 算)	"	2,526,724	3,978	20,199	2,061,971	138
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	918	4	1	6	2
改 質 生 成 油	"	1,300,333	-	-	1,300,211	-
灯 質 生 成 油	"	278,536	-	-	278,536	-
軽 油	"	39,365	107	137	20,594	-
A 重 油	"	17,234	127	28	14,909	-
B ・ C 重 油	"	11,372	374	1,492	169	-
炭 化 水 素 油	"	99,164	110	17,063	12,317	41
液 化 石 油 ガ ス	t	50,399	-	-	40,117	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	233,116	15	27	212,913	71
オ イ ル コ ー ク ス	t	426,795	-	-	225,062	-
ア ス フ ァ ル ト	"	50,955	3,759	-	43,559	-
再 生 油 (石 油 由 来)	kl	20,953	-	-	-	-
		9,704	-	74	1,852	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,238,590	18,859	154,884	100,227	10,599
石 炭 コ ー ク ス	t	1,261,945	9,099	14,770	9,099	-
コ ー ク ス 炉 ガ ス	1000m ³	730,015	4,270	-	4,270	-
高 炉 ガ ス	"	225,518	-	-	2,969	-
液 化 天 然 ガ ス	t	1,844,920	-	-	-	-
都 市 ガ ス (B)	1000m ³	22,920	-	5,368	11,798	-
回 収 黒 液	絶乾(Dry)t	195,923	-	42,043	18,203	9,980
廃 プ ラ ス チ ッ ク	t	120,455	-	120,455	...	...
R P F	"	17,493	-	134	77	-
	"	20,436	-	16,787	-	-
電 力	1000kWh	3,595,763	94,225	417,439	884,876	25,152
う ち 購 入 分	"	2,220,647	52,330	132,441	589,330	1,572
蒸 気	t	10,503,592	80,305	2,067,622	3,853,178	52,466
う ち 受 入 分	"	1,314,557	14,234	21,269	976,752	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,734,305	5,874	118,598	538,479	14,362
石 油 系 燃 料 (原 油 換 算)	"	711,102	74	18,212	466,053	3,753
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,313	8	1	-	-
改 質 生 成 油	"	199,677	-	-	194,305	-
灯 質 生 成 油	"	197,278	-	-	197,278	-
軽 油	"	4,548	32	17	16	142
A 重 油	"	936	2	43	6	3
B ・ C 重 油	"	9,488	35	203	685	476
炭 化 水 素 油	"	53,578	-	9,933	4,940	162
液 化 石 油 ガ ス	t	19,584	-	3,209	11,296	11
石 油 系 炭 化 水 素 ガ ス	1000m ³	35,569	-	147	27,085	78
オ イ ル コ ー ク ス	t	114,507	-	-	35,953	-
ア ス フ ァ ル ト	"	58,742	-	4,315	31,269	3,313
再 生 油 (石 油 由 来)	kl	14,622	-	-	-	-
		10,490	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	855,994	4,672	92,139	47,803	5,499
石 炭 コ ー ク ス	t	464,638	-	9,025	36,803	-
コ ー ク ス 炉 ガ ス	1000m ³	204,925	-	-	-	-
高 炉 ガ ス	"	68,449	-	-	-	-
液 化 天 然 ガ ス	t	835,322	-	-	-	-
都 市 ガ ス (B)	1000m ³	26,371	-	2,083	15,887	185
回 収 黒 液	絶乾(Dry)t	102,704	4,399	2,021	496	4,932
廃 プ ラ ス チ ッ ク	t	159,943	-	159,943	...	...
R P F	"	8,292	-	3,723	-	-
	"	6,462	-	6,307	-	-
電 力	1000kWh	2,350,387	15,029	226,755	242,229	59,453
う ち 購 入 分	"	1,581,237	12,123	71,840	103,701	44,659
蒸 気	t	4,495,940	-	1,255,428	1,114,816	87,689
う ち 受 入 分	"	272,210	-	22,626	214,676	13,810

(令和3年2月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
431,496	113,351	13,072	1,953,859	13,187	87,767	Total (Crude petroleum equivalent)
395,076	26,245	1,663	13,098	3,010	9,302	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
11	6	-	31	3	862	Gasoline
122	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
16,613	179	-	770	48	1,131	Kerosene
14	629	1	348	64	1,368	Gas oils
6,231	353	5	1,062	924	1,510	Heavy Fuel oil A
58,128	8,758	1,478	1,090	399	-	Heavy Fuel oil B・C
5,818	1,959	-	1,839	666	-	Hydrocarbon oil
12,912	130	47	3,419	36	3,576	Liquefied petroleum gas
201,730	-	-	3	-	-	Hydrocarbon gas
-	7,172	-	3,983	-	-	Petroleum coke
20,953	-	-	-	-	-	Asphalt
-	7,003	-	-	775	-	Reproduction oil (Oil origin)
6,411	75,140	9,464	1,856,274	2,727	41,723	Non-oil based fuels (Crude petroleum equivalent)
-	59,869	-	1,187,306	-	-	Coal
-	8,833	-	719,388	1,447	347	Coal coke
-	8,607	-	213,942	-	-	Coke oven gas
-	-	-	1,844,920	-	-	Blast furnace gas
-	53	2,604	644	111	2,342	Liquefied natural gas
378	1,791	5,445	81,158	1,000	35,925	Town gas(B)
...	...	...	...	...	...	Black liquor
-	9,941	-	7,341	-	-	Waste plastic
-	3,649	-	-	-	-	Refuse Paper & Plastic Fuel
312,522	197,237	22,188	1,302,681	77,812	450,081	Electricity
100,504	103,238	20,912	889,756	40,253	394,971	among those purchased
2,388,632	316,505	1,589	1,900,824	3,081	...	Steam
298,901	3,951	-	24,867	3,051	...	among those accepted
176,717	51,056	4,839	680,909	11,177	144,043	Total (Crude petroleum equivalent)
159,683	29,308	1,126	22,994	4,217	5,830	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	4	-	1,310	Gasoline
5,372	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	373	5	3,801	33	192	Kerosene
28	78	-	436	53	291	Gas oils
4,199	74	5	1,368	475	2,038	Heavy Fuel oil A
27,413	9,047	697	336	1,050	-	Heavy Fuel oil B・C
-	3,604	-	-	1,464	-	Hydrocarbon oil
1,983	-	-	4,474	115	1,687	Liquefied petroleum gas
78,554	-	-	-	-	-	Hydrocarbon gas
-	6,545	-	13,300	-	-	Petroleum coke
14,622	-	-	-	-	-	Asphalt
-	9,312	350	-	828	-	Reproduction oil (Oil origin)
15,014	17,792	2,830	609,599	2,881	67,109	Non-oil based fuels (Crude petroleum equivalent)
14,667	11,740	-	392,403	-	-	Coal
-	826	-	203,230	869	-	Coal coke
-	3,391	-	65,058	-	-	Coke oven gas
-	-	-	835,322	-	-	Blast furnace gas
3,624	-	440	3,604	-	548	Liquefied natural gas
-	4,179	2,080	29,744	2,100	61,552	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,986	-	2,583	-	-	Waste plastic
-	155	-	-	-	-	Refuse Paper & Plastic Fuel
165,528	59,413	9,497	693,533	32,409	876,599	Electricity
8,091	42,406	9,486	517,380	31,425	764,372	among those purchased
1,482,241	61,214	535	494,017	-	...	Steam
18,330	178	-	2,590	-	...	among those accepted

(February, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,872,071	33,746	46,058	681,527	64,483
石油系燃料(原油換算)	"	542,795	327	943	386,039	1,001
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	488	2	1	7	2
改 質 生 成 油	"	160,926	-	-	160,144	-
灯 油	"	169,832	-	-	169,832	-
軽 油	"	828	12	1	292	-
A 重 油	"	855	297	15	28	8
B・C 重 油	"	2,757	20	66	-	448
炭 化 水 素 油	"	49,454	-	12	38,003	500
液 化 石 油 ガ ス	t	12,085	-	-	2,803	-
石油系炭化水素ガス	1000m ³	34,018	2	9	29,951	1
オ イ ル コ ー ク ス	t	102,065	-	-	13,146	-
ア ス フ ァ ル ト	"	4,224	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,404	-	804	-	-
非石油系燃料(原油換算)	kl	1,226,232	24,041	43,198	272,983	55,065
石 炭 コ ー ク ス	t	880,934	20,039	11,546	320,975	46,798
コ ー ク ス 炉 ガ ス	1000m ³	264,608	-	-	-	-
高 炉 ガ ス	"	124,202	-	-	16,021	-
液 化 天 然 ガ ス	t	1,016,665	-	-	109,776	-
都 市 ガ ス (B)	1000m ³	33,081	1,675	-	16,612	421
回 収 黒 液	絶乾(Dry)t	140,344	7,683	20,594	13,654	21,571
廃 プ ラ ス チ ッ ク	t	24,736	-	24,736	...	...
R P F	"	616	-	-	-	-
	"	677	-	658	-	-
電 力	1000kWh	1,745,516	149,597	86,719	250,553	189,292
う ち 購 入 分	"	940,063	100,809	20,614	147,493	82,449
蒸 気	t	3,624,414	191,695	486,556	761,201	581,334
う ち 受 入 分	"	225,521	-	-	127,088	10,809

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,315,080	254,127	79,263	1,242,797	48,941
石油系燃料(原油換算)	"	1,172,877	3,995	10,680	900,333	21,061
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	82	68	-	1	1
改 質 生 成 油	"	509,646	-	-	505,225	-
灯 油	"	234,206	-	-	234,206	-
軽 油	"	37,369	204	37	35,808	54
A 重 油	"	644	55	12	7	-
B・C 重 油	"	9,731	16	85	928	155
炭 化 水 素 油	"	60,862	2,893	5,378	16,690	6,727
液 化 石 油 ガ ス	t	31,049	-	-	27,497	-
石油系炭化水素ガス	1000m ³	47,006	424	-	38,179	107
オ イ ル コ ー ク ス	t	192,858	-	-	94,710	-
ア ス フ ァ ル ト	"	81,881	-	4,507	7,275	15,630
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,325	-	829	-	-
非石油系燃料(原油換算)	kl	1,977,442	245,175	67,068	296,391	25,786
石 炭 コ ー ク ス	t	1,576,493	355,246	17,591	397,156	35,013
コ ー ク ス 炉 ガ ス	1000m ³	603,551	3,208	-	2,867	-
高 炉 ガ ス	"	174,199	-	-	1,246	-
液 化 天 然 ガ ス	t	1,309,456	-	-	-	-
都 市 ガ ス (B)	1000m ³	17,820	-	177	6,023	651
回 収 黒 液	絶乾(Dry)t	38,539	1,094	1,189	958	1,179
廃 プ ラ ス チ ッ ク	t	103,827	-	103,827	...	...
R P F	"	3,008	1,638	151	1,638	-
	"	11,189	-	9,785	1,404	-
電 力	1000kWh	2,717,019	678,259	144,752	991,324	80,212
う ち 購 入 分	"	1,390,935	39,198	16,286	189,255	10,526
蒸 気	t	8,664,618	2,614,577	1,049,912	4,541,448	576,987
う ち 受 入 分	"	511,734	18,969	-	411,854	16,131

(令和3年2月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
134,723	57,534	17,639	855,146	4,146	44,561	Total
124,608	22,405	1	3,568	1,077	3,480	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
1	2	-	-	-	477	(Crude petroleum equivalent)
782	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
10	123	1	114	73	226	Naphtha
3	10	-	472	36	580	Oil produced by conversion
121	347	-	215	769	811	Kerosene
5,209	5,447	-	283	-	-	Gas oils
-	9,282	-	-	-	-	Heavy Fuel oil A
768	315	-	1,835	6	1,135	Heavy Fuel oil B・C
88,919	-	-	-	-	-	Hydrocarbon oil
-	4,224	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,319	-	96	185	-	Asphalt
8,242	32,537	14,193	797,826	2,427	23,804	Reproduction oil (Oil origin)
-	42,155	-	479,499	-	-	Non-oil based fuels
-	501	-	264,107	-	-	(Crude petroleum equivalent)
-	1,839	-	106,342	-	-	Coal
-	1,320	-	905,569	-	-	Coal coke
5,831	-	2,914	6,695	388	1,895	Coke oven gas
-	873	9,486	60,188	1,769	19,892	Blast furnace gas
...	...	...	...	...	...	Liquefied natural gas
-	578	-	38	-	-	Town gas(B)
-	19	-	-	-	-	Black liquor
90,591	62,716	41,842	948,650	6,900	217,850	Waste plastic
20,076	27,861	37,040	512,799	6,819	185,721	Refuse Paper & Plastic Fuel
508,144	278,988	7,097	1,191,566	1,223	...	Electricity
85	8	-	87,531	-	...	among those purchased
						Steam
						among those accepted
221,386	294,622	68	1,632,878	9,217	40,037	Total
203,715	9,594	-	25,968	2,172	3,349	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	67	-	78	(Crude petroleum equivalent)
4,421	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
1	361	-	971	145	196	Naphtha
1	31	-	352	86	210	Oil produced by conversion
494	312	-	5,397	1,184	1,192	Kerosene
26,053	3,736	-	4,469	702	-	Gas oils
-	346	-	3,205	-	1	Heavy Fuel oil A
2,100	254	-	5,482	2	1,306	Heavy Fuel oil B・C
98,148	-	-	-	-	-	Hydrocarbon oil
45,567	4,268	-	4,634	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	496	-	-	-	-	Petroleum coke
13,863	280,615	-	1,521,358	1,350	16,187	Asphalt
-	396,933	-	1,085,046	-	-	Reproduction oil (Oil origin)
-	6,257	-	595,577	1,717	341	Non-oil based fuels
-	3,553	-	169,400	-	-	(Crude petroleum equivalent)
-	421	-	1,309,035	-	-	Coal
9,808	10	-	1,067	-	-	Coal coke
-	795	-	21,928	60	13,523	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,638	-	1,219	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
160,616	685,242	729	1,007,326	62,068	263,009	Black liquor
34,604	44,462	729	855,253	58,627	220,391	Waste plastic
1,231,340	2,503,579	-	1,338,968	36,961	...	Refuse Paper & Plastic Fuel
8,517	4,007	-	86,714	3,480	...	Electricity
						among those purchased
						Steam
						among those accepted

(February, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	820,793	-	259,875	440,087	28,226
石 油 系 燃 料 (原 油 換 算)	"	292,587	-	94,994	153,927	9,951
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	22	-	3	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	135,267	-	-	135,267	-
軽 油	"	1,046	-	4	235	-
A 重 油	"	301	-	194	-	-
B ・ C 重 油	"	3,143	-	2,047	9	-
炭 化 水 素 油	"	22,760	-	4,595	6,145	5,596
液 化 石 油 ガ ス	t	1,923	-	-	612	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	74,146	-	67,694	2,915	-
オ イ ル コ ー ク ス	t	28,972	-	-	16,115	-
ア ス フ ァ ル ト	"	10,814	-	-	4,213	4,540
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		280	-	136	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	477,494	-	161,324	256,712	17,471
石 炭 コ ー ク ス	t	529,483	-	149,566	305,253	24,844
コ ー ク ス 炉 ガ ス	1000m ³	12,151	-	-	5,240	-
高 炉 ガ ス	"	42,670	-	-	42,670	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,693	-	1,178	324	-
回 収 黒 液	絶乾(Dry)t	807	-	133	-	674
廃 プ ラ ス チ ッ ク	t	137,772	-	137,772	...	...
R P F	"	25	-	25	-	-
	"	7,126	-	7,126	-	-
電 力	1000kWh	841,385	-	381,860	171,472	52,870
う ち 購 入 分	"	367,452	-	29,417	161,222	8,342
蒸 気	t	3,874,940	-	2,781,856	284,743	339,544
う ち 受 入 分	"	239,155	-	11,877	209,071	414

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,860,468	763	64,060	558,312	5,741
石 油 系 燃 料 (原 油 換 算)	"	389,310	181	6,632	302,406	250
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,038	-	-	-	-
改 質 生 成 油	"	292,068	-	-	292,068	-
灯 油	"	28,274	-	-	28,274	-
軽 油	"	1,592	182	275	270	-
A 重 油	"	442	3	1	28	-
B ・ C 重 油	"	3,025	-	232	1,532	-
炭 化 水 素 油	"	16,929	-	5,234	2,576	231
液 化 石 油 ガ ス	t	4,831	-	-	4,524	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	13,331	5	-	7,330	-
オ イ ル コ ー ク ス	t	15,062	-	-	5,850	-
ア ス フ ァ ル ト	"	43,054	-	534	-	-
再 生 油 (石 油 由 来)	kl	3,331	-	-	-	-
		6,382	-	23	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,348,794	-	55,148	222,241	-
石 炭 コ ー ク ス	t	1,149,373	-	33,494	297,927	-
コ ー ク ス 炉 ガ ス	1000m ³	370,714	-	-	-	-
高 炉 ガ ス	"	164,105	-	-	34,276	-
液 化 天 然 ガ ス	t	691,426	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,282	-	-	1,360	-
回 収 黒 液	絶乾(Dry)t	10,444	-	120	1	-
廃 プ ラ ス チ ッ ク	t	82,311	-	82,311	...	...
R P F	"	16,106	-	-	1,864	-
	"	-	-	-	-	-
電 力	1000kWh	1,315,705	6,254	146,849	149,160	13,706
う ち 購 入 分	"	979,005	6,254	24,518	98,509	13,706
蒸 気	t	2,633,102	-	920,070	809,060	61,001
う ち 受 入 分	"	440,521	-	-	342,250	61,001

(令和3年2月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
24,386	39,205	-	12,268	10,868	5,877	Total
24,386	4,001	-	1,661	3,266	401	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	17	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	120	-	48	626	13	Kerosene
-	103	-	1	3	-	Gas oils
-	360	-	60	431	236	Heavy Fuel oil A
4,292	517	-	2	1,613	-	Heavy Fuel oil B・C
-	899	-	-	412	-	Hydrocarbon oil
2,168	-	-	1,199	55	115	Liquefied petroleum gas
12,857	-	-	-	-	-	Hydrocarbon gas
-	2,061	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	144	-	-	-	-	Reproduction oil (Oil origin)
-	34,441	-	6,041	137	1,370	Non-oil based fuels
-	49,732	-	-	88	-	(Crude petroleum equivalent)
-	896	-	5,912	103	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	222	-	969	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
22,528	44,508	-	52,126	71,849	44,172	Electricity
3	8,198	-	49,088	67,036	44,146	among those purchased
133,246	278,612	-	20,340	36,599	...	Steam
-	-	-	-	17,793	...	among those accepted
22,600	130,247	395	1,040,868	5,886	33,122	Total
22,060	34,951	23	17,656	2,497	3,017	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	1,036	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	88	-	388	106	647	Kerosene
-	22	-	377	-	17	Gas oils
18	263	20	428	129	403	Heavy Fuel oil A
5,014	2,001	-	499	1,374	-	Heavy Fuel oil B・C
-	307	-	-	-	-	Hydrocarbon oil
806	929	2	3,207	219	843	Liquefied petroleum gas
9,212	-	-	-	-	-	Hydrocarbon gas
-	28,741	-	13,640	139	-	Petroleum coke
3,331	-	-	-	-	-	Asphalt
-	5,936	-	57	366	-	Reproduction oil (Oil origin)
-	88,778	-	971,698	356	10,573	Non-oil based fuels
-	115,766	-	702,186	-	-	(Crude petroleum equivalent)
-	102	-	370,603	9	-	Coal
-	3,724	-	126,105	-	-	Coal coke
-	-	-	691,426	-	-	Coke oven gas
-	-	-	13,867	247	808	Blast furnace gas
-	-	-	1,448	-	8,875	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	10,130	-	4,112	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
12,350	143,597	4,000	600,005	37,930	214,362	Electricity
5,809	68,613	4,000	527,534	32,605	209,965	among those purchased
128,686	209,966	-	452,813	51,506	...	Steam
-	1,957	-	35,313	-	...	among those accepted

(February, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年3月分
March, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

 1) 固有単位表 20

 2) 熱量単位表 20

(2) 燃料受払

 1) 燃料種別表 24

 ① 固有単位表 24

 ② 熱量単位表 24

 2) 業種別表

 ① パルプ・紙・板紙工業 26

 ② 化学繊維工業 26

 ③ 石油製品工業 28

 ④ ガラス製品工業 28

 ⑤ 化学工業 30

 ⑥ 窯業・土石製品工業 30

 ⑦ 鉄鋼業 32

 ⑧ 非鉄金属地金工業 34

 ⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

 1) 直接投入エネルギー表 38

 2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

 経済産業局別業種別エネルギー消費

 1) 北海道経済産業局管内 52

 2) 東 北 " 52

 3) 関 東 " 54

 4) 中 部 " 54

 5) 近 畿 " 56

 6) 中 国 " 56

 7) 四 国 " 58

 8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

 1) Table of original units 20

 2) Table of energy units 20

(2) Fuel input/output

 1) Table for type kind of energy 24

 ① Table of original unit 24

 ② Table of energy unit 24

 2) Tables for individual industry

 ① Pulp,paper,paper board industry 26

 ② Chemical fiber industry 26

 ③ Petroleum products industry 28

 ④ Glass products industry 28

 ⑤ Chemical industry 30

 ⑥ Ceramic, stone and clay product industry 30

 ⑦ Iron and steel industry 32

 ⑧ Non-ferrous metals industry 34

 ⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

 1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

 2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

 Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

 1) Hokkaido Bureau of Economy, Trade and Industry 52

 2) Tohoku Bureau of Economy, Trade and Industry 52

 3) Kanto Bureau of Economy, Trade and Industry 54

 4) Chubu Bureau of Economy, Trade and Industry 54

 5) Kansai Bureau of Economy, Trade and Industry 56

 6) Chugoku Bureau of Economy, Trade and Industry 56

 7) Shikoku Bureau of Economy, Trade and Industry 58

 8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電力（水力による自家発電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
RPF	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。

2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。

3. 都市ガスは発熱量換算値（10⁶kJ）。

なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total								
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total	原油 (注1) Crude petroleum	ガソリン	ナフサ	改質生成油	灯油	軽油	
						Gasoline	Naphtha	Oil produced by conversion	Kerosene	Gas oil	
kl		kl		kl		kl		kl		kl	
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869	
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432	
令和 2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543	
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524	
令和 2 年度	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276	
2 年 1~ 3月	39,468,283	37,176,115	36,340,073	18,651,924	1,189	13,659	7,629,096	4,021,748	182,865	39,961	
4~ 6	33,103,188	30,718,000	30,363,014	16,256,823	732	8,825	6,807,577	3,341,022	343,235	22,062	
7~ 9	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154	
10~12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366	
3 年 1~ 3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694	
2 年 1月	13,730,037	12,933,988	12,666,423	6,600,844	486	4,348	2,633,277	1,472,923	72,866	14,874	
2	12,873,134	12,164,688	11,846,995	6,181,255	300	4,606	2,619,646	1,258,991	51,414	18,762	
3	12,865,113	12,077,440	11,826,656	5,869,825	403	4,705	2,376,173	1,289,834	58,585	6,325	
4	11,859,920	11,068,101	10,888,979	5,882,861	304	3,220	2,473,699	1,226,738	93,567	5,659	
5	10,851,560	10,022,713	9,957,107	5,316,001	234	2,099	2,216,021	1,068,564	109,783	4,555	
6	10,391,708	9,627,186	9,516,928	5,057,961	194	3,506	2,117,857	1,045,720	139,885	11,848	
7	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910	
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724	
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520	
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672	
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210	
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484	
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170	
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714	
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810	
前年同月比(%)	3.5	4.3	3.8	7.5	-	1.2	17.2	▲ 6.8	▲ 56.4	244.8	

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)					高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG	都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	1000m ³						
t		t		t		1000m ³		1000m ³		1000m ³	
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
令和 2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
令和 2 年度	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 1~ 3月	21,417,754	7,464,646	131,534	2,764,265	20,274,897	1,315,312	24,668	180,841	394,743	1,481,482	
4~ 6	17,311,116	6,400,669	124,113	2,516,826	16,245,377	970,218	23,702	146,786	344,843	1,204,583	
7~ 9	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10~12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1~ 3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
2 年 1月	7,327,791	2,623,884	42,391	950,824	7,127,536	456,703	7,981	62,468	138,025	500,198	
2	6,869,623	2,415,308	41,762	881,289	6,530,385	427,053	8,690	59,069	127,524	487,024	
3	7,220,340	2,425,454	47,381	932,152	6,616,976	431,556	7,997	59,304	129,194	494,259	
4	6,094,664	2,246,985	44,324	854,680	5,857,118	339,037	7,744	52,259	117,523	430,940	
5	5,769,561	2,125,905	44,360	867,109	5,343,200	332,789	8,286	51,824	111,763	376,112	
6	5,446,891	2,027,779	35,429	795,037	5,045,059	298,392	7,672	42,703	115,557	397,531	
7	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338	
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366	
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
前年同月比(%)	▲ 2.5	3.1	1.7	▲ 0.8	1.3	▲ 0.1	10.4	4.7	11.5	4.2	

注1. 原油にはNGL・コンデンセートを含む。
 3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計										非石油系燃料計 Non-oil based fuels total (原油換算) Crude petroleum equivalent	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl		
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018	
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019	
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020	
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019	
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020	
1,217,808	133,224	1,084,584	397,339	1,252,246	3,158,214	960,635	259,683	87,874	29,086,259	Q1 2020	
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2	
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3	
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4	
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021	
406,852	45,904	360,948	133,057	457,960	1,121,495	330,547	118,026	26,082	9,974,891	Jan. 2020	
391,874	44,340	347,534	134,289	425,969	1,025,893	349,497	71,968	30,407	9,328,701	Feb.	
419,082	42,980	376,102	129,993	368,317	1,010,826	280,591	69,689	31,385	9,782,666	Mar.	
406,831	46,912	359,919	125,831	362,063	1,001,842	301,064	49,600	28,095	8,405,234	Apr.	
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May	
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.	
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.	
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.	
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.	
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.	
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.	
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.	
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021	
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.	
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.	
▲ 5.1	19.6	▲ 7.9	▲ 3.8	32.3	0.6	▲ 13.2	▲ 32.5	7.8	▲ 1.3	R・S	

RPF						電力		蒸気		Year, quarter and Month
回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
3,330,844	2,554,158	649,762	130,558	181,128	155,831	44,351,265	25,474,793	129,126,762	10,284,806	Q1 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
1,035,627	875,696	205,259	43,382	61,431	47,964	15,103,981	8,581,952	44,748,832	3,609,752	Jan. 2020
961,585	839,684	214,169	42,315	58,337	50,233	14,428,157	8,384,812	41,398,447	3,344,020	Feb.
1,333,632	838,778	230,334	44,861	61,360	57,634	14,819,127	8,508,029	42,979,483	3,331,034	Mar.
891,755	609,805	196,616	37,159	53,894	49,481	13,641,706	7,880,720	39,644,297	3,144,950	Apr.
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
▲ 26.9	5.5	▲ 5.5	5.2	▲ 3.5	18.5	0.8	1.2	▲ 3.0	▲ 2.5	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	17,011,445	12,593,390	15,968,531	6,312,244	-	4,761	2,784,823	1,201,986	25,548
重複事業所分補正量 Duplication adjustment	364,221	-	337,534	9,807	-	80	-	-	586
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	1,139,377	998,300	1,099,303	162,838	...	6	-	-	529
化学工業 Chemical industry	6,351,012	5,077,346	6,062,842	4,793,462	-	15	2,772,620	1,201,986	3,722
化学繊維工業 Chemical fibers industry	188,879	47,443	163,134	34,362	...	4	-	-	201
石油製品工業 Petroleum products industry	1,125,011	991,565	1,082,409	1,024,795	...	18	12,203	-	8,874
窯業・土石製品工業 Ceramics, clay and stone products industry	829,637	555,188	793,466	157,498	...	38	-	-	1,333
ガラス製品工業 Glass products industry	39,565	38,256	31,067	3,233	...	-	-	-	13
鉄鋼業 Iron and steel industry	7,223,291	4,529,111	6,829,079	99,435	...	106	-	-	7,122
非鉄金属地金工業 Non-ferrous metals industry	4,117,754	80,442	3,723,542	21,028	...	3	-	-	1,174
機械工業 Machinery industry	93,788	275,739	48,967	25,401	...	4,651	-	-	3,166

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	658,342,935	487,364,185	617,982,180	244,283,872	-	159,017	92,734,606	40,506,928	932,520
重複事業所分補正量 Duplication adjustment	14,095,368	-	13,062,549	379,546	-	2,672	-	-	21,389
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	44,093,881	38,634,217	42,543,015	6,301,832	...	200	-	-	19,309
化学工業 Chemical industry	245,784,168	196,493,284	234,631,990	185,506,988	-	501	92,328,246	40,506,928	135,853
化学繊維工業 Chemical fibers industry	223,018,044	1,836,053	6,313,269	1,329,811	...	134	-	-	7,337
石油製品工業 Petroleum products industry	7,309,604	1,836,053	6,313,269	1,329,811	...	134	-	-	7,337
窯業・土石製品工業 Ceramics, clay and stone products industry	43,537,928	38,373,556	41,889,247	39,659,555	...	601	406,360	-	323,901
窯業・土石製品工業 Ceramics, clay and stone products industry	32,106,958	21,485,774	30,707,124	6,095,171	...	1,269	-	-	48,655
ガラス製品工業 Glass products industry	32,106,958	1,480,509	1,202,308	125,105	...	-	-	-	475
鉄鋼業 Iron and steel industry	1,531,150	175,276,594	264,285,373	3,848,137	...	3,540	-	-	259,955
非鉄金属地金工業 Non-ferrous metals industry	159,357,088	3,113,107	1,895,031	813,791	...	100	-	-	42,851
機械工業 Machinery industry	3,629,582	10,671,092	7,577,373	983,029	...	155,343	-	-	115,575

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年3月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
21,810	397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287
334	4,527	554	3,973	-	509	-	3,894	-	-	327,726
335	58,873	6,157	52,716	2,150	64,743	-	11,982	-	2,434	936,465
15,832	84,674	3,530	81,144	95,465	365,488	446,745	102,773	-	1,712	1,269,380
13	16,502	2,612	13,890	32	311	-	18,702	-	-	128,772
57	157,083	8,944	148,139	390	23,491	570,444	6,637	47,006	-	57,615
1,100	36,931	2,749	34,182	18,614	1,870	-	76,999	-	26,500	635,968
3	2,580	279	2,301	-	36	-	-	-	390	27,835
2,052	28,396	16,792	11,604	5,099	22,922	5	30,329	-	139	6,729,644
324	12,057	5,746	6,311	3,343	537	-	114	-	2,656	27,939
2,428	5,151	5,151	-	1	8,370	-	-	-	-	170,397

単位 Unit: GJ

828,777	16,475,871	1,999,786	14,476,085	5,003,760	24,411,974	51,876,894	8,113,279	1,880,240	1,360,006	373,698,309
12,692	187,622	21,551	166,071	-	25,501	-	129,670	-	-	12,683,003
12,730	2,443,122	239,540	2,203,582	86,000	3,243,624	-	399,001	-	97,847	36,241,183
601,616	3,529,136	137,317	3,391,819	3,818,600	18,310,949	22,783,995	3,422,341	-	68,822	49,125,003
494	682,209	101,607	580,602	1,280	15,581	-	622,777	-	-	4,983,459
2,166	6,540,132	347,922	6,192,210	15,600	1,176,899	29,092,644	221,012	1,880,240	-	2,229,692
41,800	1,535,833	106,936	1,428,897	744,560	93,687	-	2,564,067	-	1,065,300	24,611,953
114	107,035	10,853	96,182	-	1,804	-	-	-	15,678	1,077,203
77,976	1,138,282	653,218	485,064	203,960	1,148,625	255	1,009,956	-	5,588	260,437,237
12,310	487,338	223,539	263,800	133,720	26,904	-	3,796	-	106,771	1,081,240
92,263	200,406	200,406	-	40	419,402	-	-	-	-	6,594,344

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(March, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055
重複事業所分補正量 Duplication adjustment	432,761	8,449	-	-	-	-	-	9,309	1,658
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	488,866	412	...	-	-	-	-	8,009	9,248
化学工業 Chemical industry	1,445,872	11,203	38,374	100,804	110,101	-	-	37,888	61,268
化学繊維工業 Chemical fibers industry	118,017	-	...	-	-	-	-	-	1,399
石油製品工業 Petroleum products industry	23,300	-	...	-	-	-	-	8,003	23,108
窯業・土石製品工業 Ceramics, clay and stone products industry	823,675	18,563	...	21,954	1,918	18,049	832	10,635	48
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,980
鉄鋼業 Iron and steel industry	4,570,838	2,462,941	9,801	801,990	6,550,904	412,862	7,999	2,104	32,833
非鉄金属地金工業 Non-ferrous metals industry	4,641	15,094	...	-	38,708	-	-	404	2,430
機械工業 Machinery industry	-	792	...	-	-	-	-	4,359	9,399

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	192,930,041	72,516,143	1,796,928	18,772,384	23,924,823	3,589,489	73,562	2,638,953	7,879,809
重複事業所分補正量 Duplication adjustment	11,295,062	245,021	-	-	-	-	-	395,633	90,693
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	12,759,403	11,948	...	-	-	-	-	340,383	505,866
化学工業 Chemical industry	37,737,259	324,887	1,431,350	2,046,321	393,061	-	-	1,610,240	3,351,360
化学繊維工業 Chemical fibers industry	3,080,244	-	...	-	-	-	-	-	76,525
石油製品工業 Petroleum products industry	608,130	-	...	-	-	-	-	340,128	1,264,008
窯業・土石製品工業 Ceramics, clay and stone products industry	21,497,918	538,346	...	445,666	6,847	150,348	6,931	451,988	2,626
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	327,106
鉄鋼業 Iron and steel industry	128,421,020	71,425,289	365,577	16,280,397	23,386,727	3,439,140	66,632	89,420	1,795,965
非鉄金属地金工業 Non-ferrous metals industry	121,130	437,726	...	-	138,188	-	-	17,170	132,921
機械工業 Machinery industry	-	22,968	...	-	-	-	-	185,258	514,125

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年3月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
514,967	974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910
14,673	-	-	-	-	1,827	-	1,031,252	216,138	3,157,802	41,927
73,802	974,425	...	214,723	24,602	4,697	63,642	2,124,404	358,453	13,219,592	68,092
36,017	...	...	-	16,580	6,057	829	2,860,854	1,339,504	12,083,597	2,276,702
44,445	...	...	-	-	-	-	471,135	190,092	1,830,111	116,637
424	...	...	-	-	-	-	885,847	209,435	6,300,995	334,473
8,033	...	...	208	4,941	31,055	3,852	1,389,758	340,932	4,284,809	11,182
18,251	...	...	-	-	-	-	97,908	84,093	11,159	-
200,102	...	884,718	2,690	1,058	19,200	-	5,359,790	3,909,257	6,799,725	442,017
5,696	...	...	-	-	-	-	456,240	360,742	306,025	40,734
142,871	...	...	-	-	-	-	2,329,987	2,035,078	...	...

単位 Unit: GJ

21,165,157	13,252,180	6,299,192	3,721,319	1,566,409	1,734,033	1,837,889	53,800,816	31,001,213	111,489,216	8,688,160
603,064	-	-	-	-	53,531	-	3,712,507	778,097	8,447,120	112,155
3,033,262	13,252,180	...	3,671,763	816,786	137,622	1,711,970	7,647,854	1,290,431	35,362,409	182,146
1,480,299	...	...	-	550,456	177,470	22,300	10,299,074	4,822,214	32,323,622	6,090,178
1,826,690	...	...	-	-	-	-	1,696,086	684,331	4,895,547	312,004
17,426	...	...	-	-	-	-	3,189,049	753,966	16,855,162	894,715
330,156	...	...	3,557	164,041	909,912	103,619	5,003,129	1,227,355	11,461,864	29,912
750,097	...	...	-	-	-	-	352,469	302,735	29,850	-
8,224,192	...	6,299,192	45,999	35,126	562,560	-	19,295,244	14,073,325	18,189,265	1,182,396
234,106	...	...	-	-	-	-	1,642,464	1,298,671	818,617	108,963
5,871,993	...	...	-	-	-	-	8,387,953	7,326,281	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(March, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,329,537	3,702,482	15,968,531	2,754,494	453,940
(ネット)	"			12,274,722		
石 油 系 燃 料 (原 油 換 算)	"	4,579,374	-	6,312,244	712,835	221,471
原ガソリン	"	-	...	-	-	-
ナフサ	"	4,728	...	4,761	...	...
改質生成油	"	2,591,080	...	2,784,823	-	194
灯油	"	1,200,057	...	1,201,986	-	-
軽油	"	15,737	...	25,548	1,465	8,725
重油	"	23,990	...	21,810	4	47
計	"	248,270	...	397,720	232,928	11,870
A重油	"	43,168	...	51,406	21,602	2,138
B・C重油	"	205,102	...	346,314	211,326	9,732
炭化水素油	"	47,781	...	125,094	63,266	-
炭液系炭化水素ガス	t	506,360	...	487,259	73,421	12,456
石油系炭化水素ガス	1000m ³	21,068	...	1,017,194	152,876	110,835
オイルコーク	t	266,075	...	243,642	101,363	-
アスファルト	"	-	...	47,006	10,065	36,941
再生油(石油由来)	kl	34,460	-	33,831	1,879	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,750,163	3,702,482	9,656,287	2,041,659	232,468
石炭	t	7,715,665	...	7,042,448	1,567,918	-
タコークス(注2)	"	776,659	2,618,115	2,500,556	-	-
タコークス(注3)	"	35,003	73,605	48,175	-	-
コークス	1000m ³	166,376	1,117,881	924,748	113,989	-
高炉ガス	"	235,510	9,817,096	6,701,631	2,339,328	-
転炉ガス	"	21,194	596,745	430,911	141,932	-
電炉ガス	"	832	7,999	8,831	7,999	-
天然ガス	"	50,157	4,772	62,093	20,373	18,026
液化天然ガス	t	180,674	...	144,055	19,374	33,983
都市ガス(A)	1000m ³	474,491	...	474,491	90,185	143,377
都市ガス(B)	"	514,972	...	514,967	97,468	155,019
回収黒液	絶乾(Dry)t	973,505	...	974,425	974,425	-
酸素	1000N ^m	726,622	210,966	884,718	-	-
廃材	絶乾(Dry)t	217,245	-	217,621	216,982	-
廃ヤク	t	46,448	-	47,181	41,182	-
廃プラスチック	"	62,847	4,534	59,182	4,697	-
RPF	"	66,378	-	68,323	66,031	10

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収 又は生産 Generation, recovery and/or production	合 計	ボイラ用	コージェネ レーション用
合 計 (原 油 換 算)	GJ	477,153,095	143,286,070	617,982,180	106,598,912	17,567,464
(ネット)	"			475,031,766		
石 油 系 燃 料 (原 油 換 算)	"	177,221,800	-	244,283,872	27,586,722	8,570,945
原ガソリン	"	-	...	-	-	-
ナフサ	"	157,915	...	159,017	...	...
改質生成油	"	86,282,964	...	92,734,606	-	6,460
灯油	"	40,441,921	...	40,506,928	-	-
軽油	"	574,417	...	932,520	53,473	318,463
重油	"	911,617	...	828,777	152	1,786
計	"	10,252,755	...	16,475,871	9,673,866	489,966
A重油	"	1,679,329	...	1,999,786	840,386	83,168
B・C重油	"	8,573,426	...	14,476,085	8,833,480	406,798
炭化水素油	"	1,911,240	...	5,003,760	2,530,640	-
炭液系炭化水素ガス	"	25,368,914	...	24,411,974	3,678,392	624,046
石油系炭化水素ガス	"	1,074,468	...	51,876,894	7,796,676	5,652,585
オイルコーク	"	8,860,298	...	8,113,279	3,375,388	-
アスファルト	"	-	...	1,880,240	402,600	1,477,640
再生油(石油由来)	"	1,385,292	-	1,360,006	75,536	-
非 石 油 系 燃 料 (原 油 換 算)	"	299,931,295	143,286,070	373,698,309	79,012,189	8,996,519
石炭	"	211,223,802	...	192,930,041	40,922,660	-
タコークス(注2)	"	22,523,129	75,925,335	72,516,143	-	-
タコークス(注3)	"	1,305,612	2,745,467	1,796,928	-	-
コークス	"	3,377,433	22,692,984	18,772,384	2,313,977	-
高炉ガス	"	840,771	35,047,033	23,924,823	8,351,401	-
転炉ガス	"	176,546	4,970,886	3,589,489	1,182,294	-
電炉ガス	"	6,931	66,632	73,562	66,632	-
天然ガス	"	2,131,673	202,810	2,638,953	865,853	766,105
液化天然ガス	"	9,882,868	...	7,879,809	1,059,758	1,858,870
都市ガス(A)	"	21,165,366	...	21,165,157	4,005,946	6,371,275
都市ガス(B)	"	13,239,668	...	13,252,180	13,252,180	-
回収黒液	"	5,173,549	1,502,078	6,299,192	...	-
酸素	"	3,714,890	-	3,721,319	3,710,392	-
廃材	"	1,542,074	-	1,566,409	1,367,242	-
廃ヤク	"	1,841,417	132,846	1,734,033	1,37,622	-
廃プラスチック	"	1,785,568	-	1,837,889	1,776,234	269

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

(令和3年3月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,760,098	6,971,298	5,555,969	232,831	1,684,853	8,812,278	Total (Crude petroleum equivalent) (Net)
5,377,938	4,052,991	1,223,804	101,143	68,958	1,442,418	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,480	348	Crude petroleum
4,761	...	5	4,756	3	1,764	Gasoline
2,784,629	2,782,012	2,617	-	707	509,270	Naphtha
1,201,986	1,201,986	-	-	2,322	7,760	Oil produced by conversion
15,358	1,385	10,563	3,410	95	15,486	Kerosene
21,759	15,615	282	5,862	29	10,984	Gas oils
152,922	33,520	107,174	12,228	6,889	254,527	Heavy Fuel oil total
27,666	-	21,940	5,726	592	54,922	Heavy Fuel oil A
125,256	33,520	85,234	6,502	6,297	199,605	Heavy Fuel oil B・C
61,828	29,962	31,667	199	397	12,304	Hydrocarbon oil
401,382	332,903	39,858	28,621	39,915	115,491	Liquefied petroleum gas
753,483	34,765	692,296	26,422	...	...	Hydrocarbon gas
142,279	60,295	80,753	1,231	5,227	613,719	Petroleum coke
-	-	-	-	-	-	Asphalt
31,952	-	29,887	2,065	-	8,751	Reproduction oil (Oil origin)
7,382,160	2,918,307	4,332,165	131,688	1,615,895	7,369,860	Non-oil based fuels (Crude petroleum equivalent)
5,474,530	3,816,351	1,657,364	815	558,712	8,137,295	Coal
2,500,556	37,602	2,456,353	6,601	831,519	1,905,958	Coal coke
48,175	48,175	-	-	56,801	48,877	Tar
810,759	454	758,379	51,926	340,148	...	Coke oven gas
4,362,303	-	4,035,278	327,025	3,243,456	...	Blast furnace gas
288,979	-	262,693	26,286	156,554	...	Converter furnace gas
832	-	832	-	-	...	Electric furnaces gas
23,694	8,093	13,474	2,127	983	14	Natural gas
90,698	25,117	61,749	3,832	14,711	63,542	Liquefied natural gas
240,929	-	207,081	33,848	...	...	Town gas(A)
262,480	-	225,496	36,985	...	...	Town gas(B)
-	-	-	-	-	2,500	Black liquor
884,718	-	803,848	80,870	32,171	1,313	Oxygen
639	-	591	48	412	43,651	Waste material
5,999	1,058	4,941	-	-	21,759	Used tires
54,485	18,203	34,698	1,584	3,946	34,302	Waste plastic
2,282	-	2,282	-	-	13,101	Refuse Paper & Plastic Fuel
493,815,804	269,789,221	215,016,005	9,010,579	65,203,822	341,035,179	Total (Crude petroleum equivalent) (Net)
208,126,204	156,850,745	47,361,220	3,914,240	2,668,692	55,821,585	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	86,304	12,845	Crude petroleum
159,017	...	167	158,850	100	58,918	Gasoline
92,728,146	92,641,000	87,146	-	23,543	16,958,691	Naphtha
40,506,928	40,506,928	-	-	78,251	261,512	Oil produced by conversion
560,585	50,553	385,567	124,465	3,468	565,241	Kerosene
826,839	593,370	10,716	222,753	1,102	417,392	Gas oils
6,312,039	1,401,136	4,416,283	494,620	286,243	10,480,058	Heavy Fuel oil total
1,076,232	-	853,486	222,746	23,029	2,136,545	Heavy Fuel oil A
5,235,807	1,401,136	3,562,798	271,874	263,215	8,343,513	Heavy Fuel oil B・C
2,473,120	1,198,480	1,266,680	7,960	15,880	492,160	Hydrocarbon oil
20,109,536	16,678,440	1,997,032	1,434,064	1,999,742	5,786,136	Liquefied petroleum gas
38,427,633	1,773,015	35,307,096	1,347,522	...	...	Hydrocarbon gas
4,737,891	2,007,824	2,689,075	40,992	174,059	20,436,843	Petroleum coke
-	-	-	-	-	-	Asphalt
1,284,470	-	1,201,457	83,013	-	351,790	Reproduction oil (Oil origin)
285,689,600	112,938,476	167,654,785	5,096,339	62,535,130	285,213,594	Non-oil based fuels (Crude petroleum equivalent)
152,007,381	107,755,548	44,230,562	21,272	15,315,975	221,771,696	Coal
72,516,143	1,090,458	71,234,256	191,429	24,114,051	55,272,798	Coal coke
1,796,928	1,796,928	-	-	2,118,677	1,823,112	Tar
16,458,408	9,216	15,395,094	1,054,098	6,905,004	...	Coke oven gas
15,573,422	-	14,405,942	1,167,479	11,579,138	...	Blast furnace gas
2,407,195	-	2,188,233	218,962	1,304,095	...	Converter furnace gas
6,931	-	6,931	-	-	...	Electric furnaces gas
1,006,995	343,953	572,645	90,398	41,778	595	Natural gas
4,961,181	1,373,900	3,377,670	209,610	804,692	3,475,747	Liquefied natural gas
10,787,936	-	9,267,871	1,520,065	...	...	Town gas
-	-	-	-	-	34,000	Black liquor
6,299,192	-	5,723,398	575,794	229,058	9,349	Oxygen
10,927	-	10,106	821	7,045	746,432	Waste material
199,167	35,126	164,041	-	-	722,399	Used tires
1,596,411	533,348	1,016,651	46,411	115,618	1,005,049	Waste plastic
61,386	-	61,386	-	-	352,417	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(March, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業

Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	1,093,074	1,099,303	1,011,031	50,881
石 油 系 燃 料 (原 油 換 算)	"	166,284	162,838	132,886	19
ガ ソ リ ン	"	6	6	...	...
灯 油	"	539	529	118	-
軽 油	"	351	335	4	4
重 油 計	"	66,503	58,873	38,659	15
A 重 油	"	6,100	6,157	5,572	15
B・C 重 油	"	60,403	52,716	33,087	-
炭 化 水 素 油	"	3,367	2,150	1,341	-
液 化 石 油 ガ ス	t	59,927	64,743	63,256	-
オ イ ル コ ー ク ス	"	11,905	11,982	9,153	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,644	2,434	269	-
非 石 油 系 燃 料 (原 油 換 算)	kl	926,790	936,465	878,145	50,862
石 炭	t	478,726	488,866	488,866	-
石 炭 コ ー ク ス	"	-	412	-	-
天 然 ガ ス	1000m ³	8,009	8,009	1,252	6,298
液 化 天 然 ガ ス	t	9,411	9,248	5,435	3,371
都 市 ガ ス (A)	1000m ³	68,516	68,516	29,463	34,020
都 市 ガ ス (B)	"	73,808	73,802	31,426	36,886
回 収 黒 液	絶乾(Dry)t	973,505	974,425	974,425	-
廃 材	"	214,347	214,723	214,292	-
廃 タ イ ヤ	t	23,594	24,602	24,602	-
廃 プ ラ ス チ ッ ク	"	4,691	4,697	4,697	-
R P F	"	61,620	63,642	63,632	10

② 化学繊維工業

Chemical fibers products industry

合 計 (原 油 換 算)	kl	177,439	163,134	113,269	37,641
石 油 系 燃 料 (原 油 換 算)	"	19,206	34,362	30,122	173
ガ ソ リ ン	"	4	4	...	...
灯 油	"	197	201	42	-
軽 油	"	13	13	-	6
重 油 計	"	14,968	16,502	13,000	166
A 重 油	"	2,608	2,612	2,045	166
B・C 重 油	"	12,360	13,890	10,955	-
炭 化 水 素 油	"	32	32	32	-
液 化 石 油 ガ ス	t	302	311	53	-
オ イ ル コ ー ク ス	"	3,031	18,702	18,702	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	158,233	128,772	83,147	37,469
石 炭	t	161,612	118,017	118,017	-
液 化 天 然 ガ ス	"	1,440	1,399	1,006	310
都 市 ガ ス (A)	1000m ³	40,805	40,805	1,948	31,904
都 市 ガ ス (B)	"	44,447	44,445	2,008	34,868
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年3月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
37,391	32,739	4,652	17,546	492,820	Total (Crude petroleum equivalent)
29,933	26,445	3,488	6,511	89,649	Oil based fuels (Crude petroleum equivalent)
6	...	6	-	2	Gasoline
411	365	46	14	950	Kerosene
327	2	325	11	23	Gas oils
20,199	18,908	1,291	6,014	67,361	Heavy Fuel oil total
570	504	66	121	6,602	Heavy Fuel oil A
19,629	18,404	1,225	5,893	60,759	Heavy Fuel oil B・C
809	800	9	-	2,681	Hydrocarbon oil
1,487	870	617	-	6,377	Liquefied petroleum gas
2,829	2,230	599	-	3,906	Petroleum coke
-	-	-	-	-	Asphalt
2,165	1,773	392	-	2,001	Reproduction oil (Oil origin)
7,458	6,295	1,164	11,035	403,172	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	16,093	535,070	Coal
412	-	412	-	787	Coal coke
459	444	15	-	...	Natural gas
442	331	111	-	667	Liquefied natural gas
5,033	4,460	573	...	...	Town gas(A)
5,490	4,868	622	...	...	Town gas(B)
-	-	-	-	2,500	Black liquor
431	383	48	412	43,651	Waste material
-	-	-	-	13,568	Used tires
-	-	-	-	21	Waste plastic
-	-	-	-	12,885	Refuse Paper & Plastic Fuel
12,223	6,671	5,552	-	139,932	Total (Crude petroleum equivalent)
4,067	2,004	2,064	-	48,152	Oil based fuels (Crude petroleum equivalent)
4	...	4	-	-	Gasoline
159	9	150	-	67	Kerosene
7	-	7	-	7	Gas oils
3,336	1,730	1,606	-	22,784	Heavy Fuel oil total
401	36	365	-	6,635	Heavy Fuel oil A
2,935	1,694	1,241	-	16,149	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
258	100	158	-	82	Liquefied petroleum gas
-	-	-	-	27,734	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
8,156	4,667	3,489	-	91,780	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	135,551	Coal
83	83	-	-	256	Liquefied natural gas
6,953	3,962	2,991	...	...	Town gas(A)
7,569	4,284	3,285	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(March, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	33,112	1,082,409	293,683	170,558
石 油 系 燃 料 (原 油 換 算)	"	-	1,024,795	275,260	163,140
ガ ソ リ ン	"	...	18	...	...
ナ フ サ	"	...	12,203	-	194
灯 油	"	...	8,874	75	8,725
軽 油	"	...	57	-	-
重 油 計	"	...	157,083	125,281	6,763
A 重 油	"	...	8,944	3,147	1,236
B・C 重 油	"	...	148,139	122,134	5,527
炭 化 水 素 油	"	...	390	390	-
液 化 石 油 ガ ス	t	...	23,491	520	10,799
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	570,444	93,273	72,369
オ イ ル コ ー ク ス	t	...	6,637	6,637	-
ア ス フ ァ ル ト	"	...	47,006	10,065	36,941
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	33,112	57,615	18,423	7,418
石 炭	t	-	23,300	23,300	-
天 然 ガ ス	1000m ³	-	8,003	358	-
液 化 天 然 ガ ス	t	23,108	23,108	1,324	5,248
都 市 ガ ス (A)	1000m ³	388	388	383	-
都 市 ガ ス (B)	"	424	424	419	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	31,119	31,067	391	2,265
石 油 系 燃 料 (原 油 換 算)	"	3,280	3,233	2	5
ガ ソ リ ン	"	-	-	...	...
灯 油	"	14	13	2	-
軽 油	"	4	3	-	-
重 油 計	"	2,632	2,580	-	5
A 重 油	"	320	279	-	5
B・C 重 油	"	2,312	2,301	-	-
液 化 石 油 ガ ス	t	35	36	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	384	390	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	27,839	27,835	389	2,260
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,983	5,980	26	382
都 市 ガ ス (A)	1000m ³	16,838	16,838	305	1,479
都 市 ガ ス (B)	"	18,251	18,251	332	1,619
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年3月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
618,169	79,249	513,318	25,602	Total (Crude petroleum equivalent)
586,395	61,873	499,923	24,599	Oil based fuels (Crude petroleum equivalent)
18	...	...	18	Gasoline
12,009	9,392	2,617	-	Naphtha
74	-	49	25	Kerosene
57	-	-	57	Gas oils
25,039	-	22,485	2,554	Heavy Fuel oil total
4,561	-	4,012	549	Heavy Fuel oil A
20,478	-	18,473	2,005	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
12,172	8,705	3,466	1	Liquefied petroleum gas
404,802	32,267	356,004	16,531	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
31,774	17,375	13,395	1,004	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
7,645	3,905	3,396	344	Natural gas
16,536	9,259	6,838	439	Liquefied natural gas
5	-	-	5	Town gas(A)
5	-	-	5	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
28,412	27,833	578	76	3,222	Total (Crude petroleum equivalent)
3,226	3,159	67	76	3,191	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
11	4	7	1	66	Kerosene
3	2	1	1	-	Gas oils
2,575	2,517	58	74	2,866	Heavy Fuel oil total
274	216	58	74	936	Heavy Fuel oil A
2,301	2,301	-	-	1,930	Heavy Fuel oil B・C
36	35	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
390	390	-	-	82	Reproduction oil (Oil origin)
25,186	24,675	511	-	31	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,572	5,572	-	-	22	Liquefied natural gas
15,054	14,612	442	...	...	Town gas(A)
16,299	15,818	481	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(March, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,377,912	595,304	6,062,841 5,474,569	644,948	107,192
石油系燃料（原油換算）	"	4,079,974	-	4,793,462	234,034	53,239
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ ー リ ン	"	15	...	15	...	...
ナ フ サ	"	2,591,080	...	2,772,620	-	-
改 質 生 成 油	"	1,200,057	...	1,201,986	...	...
灯 油	"	2,678	...	3,722	58	-
軽 油	"	17,965	...	15,832	-	-
重 油	"	83,691	...	84,674	40,966	396
A 重 油	"	3,618	...	3,530	1,563	339
B・C 重 油	"	80,073	...	81,144	39,403	57
炭 化 水 素 油	"	16,575	...	95,465	61,503	-
液 化 石 油 ガ ス	t	413,132	...	365,488	2,398	1,657
石油系炭化水素ガス（注2）	1000m ³	21,063	...	446,745	59,603	38,466
オ イ ル コ ー ク ス	t	132,056	...	102,773	49,932	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,712	-	1,712	1,602	-
非石油系燃料（原油換算）	kl	1,297,938	595,304	1,269,379	410,914	53,953
石 炭	t	1,557,469	-	1,445,872	529,198	-
石 炭 コ ー ク ス	"	11,637	605,931	11,203	...	-
タ ー ク ス	"	28,984	11,182	38,374	-	-
コ ー ク ス 炉 ガ ス	1000m ³	4,475	235,322	100,804	3,254	-
高 炉 ガ ス	"	110,101	-	110,101	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	33,952	4,772	37,888	17,708	9,346
液 化 天 然 ガ ス	t	74,059	...	61,268	8,086	17,798
都 市 ガ ス （ A ）	1000m ³	34,803	...	34,803	5,826	17,378
都 市 ガ ス （ B ）	"	36,017	...	36,016	6,243	17,451
廃 タ イ ヤ	t	17,108	-	16,580	16,580	-
廃 プ ラ ス チ ック	"	3,864	2,366	6,057	-	-
R P F	"	829	-	829	829	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	877,843	-	793,466 793,466	325,678	6,834
石油系燃料（原油換算）	"	187,514	-	157,498	15,864	1,249
ガ ソ ー リ ン	"	37	...	38	...	...
灯 油	"	1,333	...	1,333	221	-
軽 油	"	1,104	...	1,100	-	-
重 油	"	38,244	...	36,931	1,039	1,156
A 重 油	"	3,233	...	2,749	678	-
B・C 重 油	"	35,011	...	34,182	361	1,156
炭 化 水 素 油	"	18,758	...	18,614	-	-
液 化 石 油 ガ ス	t	1,877	...	1,870	-	-
オ イ ル コ ー ク ス	"	109,551	...	76,999	16,939	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	26,946	-	26,500	8	-
非石油系燃料（原油換算）	kl	690,329	-	635,968	309,815	5,585
石 炭	t	901,796	...	823,675	450,384	-
石 炭 コ ー ク ス	"	18,481	-	18,563	-	-
コ ー ク ス 炉 ガ ス	1000m ³	21,954	-	21,954	-	-
高 炉 ガ ス	"	1,918	-	1,918	-	-
転 炉 ガ ス	"	18,049	-	18,049	-	-
電 気 炉 ガ ス	"	832	-	832	-	-
天 然 ガ ス	"	10,635	-	10,635	4,119	5,086
液 化 天 然 ガ ス	t	48	-	48	-	-
都 市 ガ ス （ A ）	1000m ³	7,387	...	7,387	433	-
都 市 ガ ス （ B ）	"	8,033	...	8,033	426	-
廃 材	絶乾(Dry)t	208	-	208	-	-
廃 タ イ ヤ	t	4,950	-	4,941	-	-
廃 プ ラ ス チ ック	"	33,268	-	31,055	-	-
R P F	"	3,929	-	3,852	1,570	-

注1. 合計（原油換算）の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年3月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,310,701	4,633,570	632,777	44,355	584,026	2,560,366	Total (Crude petroleum equivalent) (Net)
4,506,189	3,978,891	487,549	39,750	56,558	942,545	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,480	138	NGL・condensate
15	...	...	15	-	3	Gasoline
2,772,620	2,772,620	-	-	707	509,270	Naphtha
1,201,986	1,201,986	...	...	2,322	7,760	Oil produced by conversion
3,664	1,385	1,825	454	-	5,474	Kerosene
15,832	15,615	-	217	1	9,284	Gas oils
43,312	33,520	7,387	2,405	105	59,033	Heavy Fuel oil total
1,628	-	579	1,049	105	6,947	Heavy Fuel oil A
41,684	33,520	6,808	1,356	-	52,086	Heavy Fuel oil B・C
33,962	24,863	9,024	75	...	...	Hydrocarbon oil
361,433	324,198	19,529	17,706	39,852	82,611	Liquefied petroleum gas
348,676	2,498	336,287	9,891	...	...	Hydrocarbon gas
52,841	52,210	-	631	-	363,499	Petroleum coke
-	-	-	-	-	-	Asphalt
110	-	110	-	-	-	Reproduction oil (Oil origin)
804,512	654,679	145,228	4,605	527,468	1,617,821	Non-oil based fuels (Crude petroleum equivalent)
916,674	862,402	54,272	-	12,035	1,985,861	Coal
11,203	7,772	3,431	-	570,270	334,091	Coal coke
38,374	38,374	-	-	-	26,666	Tar
97,550	64	96,849	637	139,000	...	Coke oven gas
110,101	-	110,101	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
10,834	4,188	5,010	1,636	983	...	Natural gas
35,384	15,858	19,451	75	12,753	195	Liquefied natural gas
11,599	...	9,544	2,055	...	...	Town gas(A)
12,322	...	10,093	2,230	...	...	Town gas(B)
-	-	-	-	-	1,918	Used tires
6,057	4,230	1,827	-	-	719	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
460,954	8,244	444,375	8,334	1,990	905,973	Total (Crude petroleum equivalent) (Net)
140,386	3,539	131,656	5,190	1,942	197,574	Oil based fuels (Crude petroleum equivalent)
38	...	...	38	-	-	Gasoline
1,112	-	999	113	-	596	Kerosene
1,100	-	245	855	5	110	Gas oils
34,736	-	32,461	2,275	-	45,183	Heavy Fuel oil total
2,071	-	1,663	408	-	4,973	Heavy Fuel oil A
32,665	-	30,798	1,867	-	40,210	Heavy Fuel oil B・C
18,614	-	18,614	-	397	2,862	Hydrocarbon oil
1,870	-	1,715	155	-	173	Liquefied petroleum gas
60,060	4,113	55,946	1	1,774	162,345	Petroleum coke
-	-	-	-	-	-	Asphalt
26,492	-	24,970	1,522	-	5,391	Reproduction oil (Oil origin)
320,568	4,705	312,719	3,144	48	708,399	Non-oil based fuels (Crude petroleum equivalent)
373,291	1,511	370,965	815	61	1,017,954	Coal
18,563	4,919	13,644	-	9	14,729	Coal coke
21,954	-	21,954	-	-	...	Coke oven gas
1,918	-	1,918	-	-	...	Blast furnace gas
18,049	-	18,049	-	-	...	Converter furnace gas
832	-	832	-	-	...	Electric furnaces gas
1,430	-	1,430	-	-	...	Natural gas
48	-	-	48	-	-	Liquefied natural gas
6,954	...	4,729	2,225	...	...	Town gas(A)
7,607	...	5,228	2,379	...	...	Town gas(B)
208	-	208	-	-	-	Waste material
4,941	-	4,941	-	-	3,466	Used tires
31,055	-	31,055	-	-	10,184	Waste plastic
2,282	-	2,282	-	-	216	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(March, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,865,727	3,107,179	6,829,079	591,736	13,435
（ネット）	〃	-	-	3,723,542	-	-
石油系燃料（原油換算）	〃	86,385	-	99,435	18,837	3,341
ガソリン	〃	127	…	106	…	…
灯油	〃	7,136	…	7,122	181	-
軽油	〃	2,083	…	2,052	-	-
重油計	〃	29,631	…	28,396	11,601	3,102
A重油	〃	16,877	…	16,792	6,170	126
B・C重油	〃	12,754	…	11,604	5,431	2,976
炭化水素油	〃	5,637	…	5,099	-	-
液化石油ガス	t	22,668	…	22,922	5,097	-
石油系炭化水素ガス	1000m ³	5	…	5	-	-
オイルコークス	t	13,212	…	30,329	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	199	-	139	-	-
非石油系燃料（原油換算）	kl	4,779,342	3,107,179	6,729,644	572,899	10,094
コークス製造用炭（原料炭）	t	3,516,052	…	3,257,910	-	-
石炭	〃	1,576,942	…	1,312,928	336,330	-
石炭コークス	〃	735,817	2,012,184	2,462,941	…	-
ターナル	〃	6,019	62,423	9,801	-	-
コークス炉ガス	1000m ³	139,947	882,559	801,990	110,735	-
高炉ガス	〃	123,491	9,817,096	6,550,904	2,326,572	-
転炉ガス	〃	3,145	596,745	412,862	141,932	-
電気炉ガス	〃	-	7,999	7,999	7,999	-
天然ガス	〃	2,107	-	2,104	285	-
液化天然ガス	t	56,355	…	32,833	2,580	2,053
都市ガス（A）	1000m ³	183,230	…	183,230	30,987	6,228
都市ガス（B）	〃	200,100	…	200,102	33,845	6,772
酸素	1000Nm ³	726,622	210,966	884,718	…	-
廃材	絶乾(Dry)t	2,690	-	2,690	2,690	-
廃タイヤ	t	808	-	1,058	-	-
廃プラスチック	〃	23,024	2,168	19,200	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年3月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,223,908	2,257,284	3,858,408	108,216	1,081,215	5,103,208	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
77,257	12,039	51,973	13,246	3,871	146,242	Oil based fuels (Crude petroleum equivalent)
106	...	5	101	3	37	Gasoline
6,941	...	5,663	1,278	80	3,442	Kerosene
2,052	...	22	2,030	11	120	Gas oils
13,693	-	13,262	431	696	51,337	Heavy Fuel oil total
10,496	...	10,151	345	292	19,985	Heavy Fuel oil A
3,197	-	3,111	86	404	31,352	Heavy Fuel oil B・C
5,099	5,099	-	-	-	5,646	Hydrocarbon oil
17,825	-	10,473	7,352	63	24,670	Liquefied petroleum gas
5	-	5	-	...	...	Hydrocarbon gas
30,329	7,866	22,463	-	3,453	58,623	Petroleum coke
-	-	-	-	-	-	Asphalt
139	-	139	-	-	652	Reproduction oil (Oil origin)
6,146,652	2,245,246	3,806,435	94,971	1,077,343	4,956,965	Non-oil based fuels (Crude petroleum equivalent)
3,257,910	2,910,281	347,629	-	261,997	3,352,963	Coal for making coke (material coal)
976,598	42,469	934,129	-	268,526	1,718,392	Coal
2,462,941	29,566	2,428,492	4,883	261,240	1,553,579	Coal coke
9,801	9,801	-	-	56,801	22,211	Tar
691,255	390	639,576	51,289	201,148	...	Coke oven gas
4,224,332	-	3,897,307	327,025	3,243,456	...	Blast furnace gas
270,930	-	244,644	26,286	156,554	...	Converter furnace gas
-	-	-	-	-	...	Electric furnaces gas
1,819	-	1,761	58	-	14	Natural gas
28,200	-	25,529	2,671	1,958	61,833	Liquefied natural gas
146,015	...	138,557	7,458	...	...	Town gas(A)
159,485	...	151,325	8,160	...	...	Town gas(B)
884,718	-	803,848	80,870	32,171	1,313	Oxygen
-	-	-	-	-	-	Waste material
1,058	1,058	-	-	-	3,114	Used tires
19,200	13,973	3,643	1,584	3,946	24,097	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(March, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	46,702	48,967	2,520	17
石 油 系 燃 料 (原 油 換 算)	"	21,754	21,028	896	17
ガ ソ リ ン	"	3	3	...	...
灯 油	"	1,217	1,174	1	-
軽 油	"	320	324	-	-
重 油	"	12,696	12,057	871	16
A 重 油	"	5,843	5,746	685	-
B・C 重 油	"	6,853	6,311	186	16
炭 化 水 素 油	"	3,411	3,343	-	-
液 化 石 油 ガ ス	t	560	537	4	-
オ イ ル コ ー ク ス	"	103	114	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,575	2,656	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	24,948	27,939	1,624	-
石 炭	t	1,198	4,641	-	-
石 炭	"	18,946	15,094	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	38,708	12,756	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	404	404	-	-
液 化 天 然 ガ ス	t	2,441	2,430	113	-
都 市 ガ ス (A)	1000m ³	5,390	5,390	244	-
都 市 ガ ス (B)	"	5,696	5,696	271	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	195,908	195,798	31,897	76,624
石 油 系 燃 料 (原 油 換 算)	"	25,387	25,401	5,225	307
ガ ソ リ ン	"	4,633	4,651	...	...
灯 油	"	3,126	3,166	799	-
軽 油	"	2,501	2,428	-	37
重 油	"	5,115	5,151	1,752	269
A 重 油	"	5,115	5,151	1,752	269
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	8,373	8,370	2,093	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	170,521	170,397	26,672	76,317
石 炭	t	-	-	-	-
石 炭	"	792	792	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	4,359	4,359	718	2,382
液 化 天 然 ガ ス	t	9,487	9,399	1,000	5,048
都 市 ガ ス (A)	1000m ³	130,713	130,713	21,092	57,290
都 市 ガ ス (B)	"	142,871	142,871	23,041	62,679
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

(令和3年3月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
46,430	43,507	2,923	26,778	Total (Crude petroleum equivalent)
20,115	18,500	1,615	8,468	Oil based fuels (Crude petroleum equivalent)
3	...	3	2	Gasoline
1,173	712	461	415	Kerosene
324	3	321	22	Gas oils
11,170	10,748	422	5,824	Heavy Fuel oil total
5,061	4,647	414	2,324	Heavy Fuel oil A
6,109	6,101	8	3,500	Heavy Fuel oil B・C
3,343	3,229	114	1,115	Hydrocarbon oil
533	407	126	78	Liquefied petroleum gas
114	114	-	40	Petroleum coke
-	-	-	-	Asphalt
2,656	2,505	151	625	Reproduction oil (Oil origin)
26,315	25,007	1,308	18,310	Non-oil based fuels (Crude petroleum equivalent)
4,641	4,641	-	15,475	Coal
15,094	13,788	1,306	10,286	Coal coke
-	-	-	...	Coke oven gas
25,952	25,952	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
404	404	-	...	Natural gas
2,317	2,084	233	117	Liquefied natural gas
5,146	5,146	-	...	Town gas(A)
5,425	5,425	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
87,276	50,592	36,685	19,924	Total (Crude petroleum equivalent)
19,869	6,625	13,245	19,252	Oil based fuels (Crude petroleum equivalent)
4,651	...	4,651	1,751	Gasoline
2,367	1,431	936	4,920	Kerosene
2,391	8	2,383	1,457	Gas oils
3,130	643	2,487	9,668	Heavy Fuel oil total
3,130	643	2,487	9,532	Heavy Fuel oil A
-	-	-	136	Heavy Fuel oil B・C
1	-	1	-	Hydrocarbon oil
6,277	3,569	2,708	1,499	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
67,407	43,967	23,440	672	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
792	792	-	44	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
1,259	1,185	74	...	Natural gas
3,351	2,927	424	452	Liquefied natural gas
52,331	32,754	19,577	...	Town gas(A)
57,150	35,720	21,430	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(March, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,275,663	8,611,448	8,664,215	6,357,430	1,484,783
事業所重複分補正量	1,096,231	216,138	880,093	799,768	39,064
パルプ・紙・板紙工業	2,432,680	358,453	2,074,227	1,888,623	158,514
化学工業	3,274,319	1,339,504	1,934,815	1,489,096	298,118
化学繊維工業	541,509	190,092	351,417	231,251	119,349
石油製品工業	1,423,671	209,435	1,214,236	626,717	573,475
窯業・土石製品工業	1,575,308	340,932	1,234,376	1,112,262	21,597
ガラス製品工業	97,970	84,093	13,877	-	6,617
鉄鋼業(注2)	6,210,731	3,909,257	2,301,474	1,802,132	54,979
非鉄金属地金工業	481,476	360,742	120,734	2,599	76
機械工業	2,334,230	2,035,078	299,152	4,518	291,122

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	43,770,702	3,247,910	40,522,792	32,713,560	2,233,416
事業所重複分補正量	3,245,158	41,927	3,203,231	3,111,984	57,179
パルプ・紙・板紙工業	13,312,830	68,092	13,244,738	12,843,813	344,269
化学工業	13,450,357	2,276,702	11,173,655	8,466,682	666,122
化学繊維工業	1,857,409	116,637	1,740,772	1,517,233	215,010
石油製品工業	6,594,077	334,473	6,259,604	4,494,539	985,905
窯業・土石製品工業	4,378,953	11,182	4,367,771	4,079,642	38,904
ガラス製品工業	11,159	-	11,159	4,745	6,414
鉄鋼業	7,104,725	442,017	6,662,708	4,389,460	33,931
非鉄金属地金工業	306,350	40,734	265,616	29,430	40

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年3月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
186,495	635,507	14,944,671	2,330,992	Total
39,602	1,659	1,031,252	64,979	Duplication adjustment
21,747	5,343	2,124,404	308,276	Pulp,Paper,Paperboard industry
66,607	80,994	2,860,854	413,465	Chemical products industry
-	817	471,135	70,374	Chemical fibers products industry
...	14,044	885,847	537,824	Petroleum products industry
39,602	60,915	1,389,758	185,550	Ceramics,clay and stone products industry
7,252	8	97,908	62	Glass products industry
79	444,284	5,359,790	850,941	Iron and steel products industry
	(炉頂圧) 243,519			
90,810	27,249	456,240	25,236	Non-ferrous metals products industry
...	3,512	2,329,987	4,243	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費				払 出	Industry
	計	生産工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,575,816	41,678,211	19,854,396	19,030,315	2,793,500	2,092,491	Total
34,068	3,157,802	963,988	2,192,894	920	87,356	Duplication adjustment
56,656	13,219,592	5,789,020	7,041,985	388,587	93,238	Pulp,Paper,Paperboard industry
2,040,851	12,083,597	7,594,477	4,024,403	464,717	1,366,760	Chemical products industry
8,529	1,830,111	973,525	819,216	37,370	27,298	Chemical fibers products industry
779,160	6,300,995	3,566,428	2,358,447	376,120	293,082	Petroleum products industry
249,225	4,284,809	796,714	3,453,120	34,975	94,144	Ceramics,clay and stone products industry
-	11,159	9,966	-	1,193	-	Glass products industry
2,239,317	6,799,725	1,957,361	3,496,011	1,346,353	305,000	Iron and steel products industry
236,146	306,025	130,893	30,027	145,105	325	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(March, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	635,155	623,145	205,911	270,320	146,914	2,812	9,199	123,342
石 油 系 燃 料 (原 油 換 算)	〃	29,933	28,965	25,508	3,225	232	627	341	4,067
ガ ソ リ ン	〃	6	5	2	3	-	-	1	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	411	371	18	351	2	25	15	159
軽 油	〃	327	295	170	71	54	7	25	7
重 油 計	〃	20,199	19,357	18,782	471	104	549	293	3,336
A 重 油	〃	570	275	9	164	102	2	293	401
B・C 重 油	〃	19,629	19,082	18,773	307	2	547	-	2,935
炭 化 水 素 油	〃	809	809	809	-	-	-	-	-
液 化 石 油 ガ ス	t	1,487	1,479	9	1,451	19	3	5	258
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,829	2,829	2,525	304	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,165	2,165	1,941	178	46	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,458	7,261	499	5,885	877	71	126	8,157
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	412	412	412	-	-	-	-	-
天 然 ガ ス	1000m ³	459	459	-	459	-	-	-	-
液 化 天 然 ガ ス	t	442	442	-	243	199	-	-	83
都 市 ガ ス (A)	1000m ³	5,033	4,854	-	4,348	506	61	118	6,953
都 市 ガ ス (B) (注 2)	〃	5,490	5,304	-	4,743	561	67	119	7,570
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	431	431	431	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,124,404	2,040,614	556,424	984,552	499,638	10,843	72,947	471,135
蒸 気	t	5,789,020	5,744,880	1,853,892	2,454,003	1,436,985	15,989	28,151	973,525

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	1,020,711	998,300	306,906	492,730	198,664	3,172	19,238	172,035
石 油 系 燃 料 (原 油 換 算)	〃	156,727	154,196	39,948	108,001	6,247	721	1,810	32,202
ガ ソ リ ン	〃	6	5	2	3	-	-	1	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	495	451	22	358	71	28	16	201
軽 油	〃	334	298	170	71	57	7	29	13
重 油 計	〃	55,059	52,889	28,540	18,672	5,677	583	1,586	15,059
A 重 油	〃	5,624	4,875	290	3,133	1,452	36	712	2,445
B・C 重 油	〃	49,435	48,013	28,249	15,539	4,225	547	874	12,614
炭 化 水 素 油	〃	2,037	1,956	1,294	662	-	-	81	29
液 化 石 油 ガ ス	t	64,540	64,489	9	64,461	19	46	5	307
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	10,157	10,157	6,355	3,802	-	-	-	17,998
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,387	2,371	2,057	241	73	-	15	-
非 石 油 系 燃 料 (原 油 換 算)	kl	824,134	806,345	262,510	362,043	181,792	1,469	16,320	114,089
石 炭	t	414,746	414,006	133,216	186,361	94,429	161	578	108,599
石 炭 コ ー ク ス	〃	412	412	412	-	-	-	-	-
天 然 ガ ス	1000m ³	7,852	7,852	2,057	5,639	156	-	-	-
液 化 天 然 ガ ス	t	7,680	7,431	-	947	6,484	250	-	1,263
都 市 ガ ス (A)	1000m ³	63,890	58,934	706	19,997	38,231	874	4,083	33,797
都 市 ガ ス (B) (注 2)	〃	68,777	63,437	773	21,154	41,510	889	4,451	36,781
回 収 黒 液	絶乾(Dry)t	902,743	880,381	383,314	455,328	41,739	-	22,363	-
廃 材	〃	170,244	167,084	42,282	54,975	69,827	136	3,025	-
廃 タ イ ヤ	t	21,338	20,532	7,543	7,574	5,415	-	806	-
廃 プ ラ ス チ ッ ク	〃	4,586	4,573	1,643	2,845	85	-	13	-
R P F	〃	53,732	51,848	11,764	19,286	20,798	4	1,880	-
電 力	1000kWh	377,792	358,375	47,813	200,508	110,054	7,502	11,916	190,092
蒸 気	t	68,092	63,971	-	58,369	5,602	4,121	-	116,637

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年3月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の 繊維製品 Other textiles	その他の 製品 Others	石油製品 工業 石油製品 業	石油製品 Petroleum	その他の 製品 Others	ガラス製品 工業 ガラス製品 業	ガラス製品 Glass	その他の 製品 Others	
38,856	741	83,745	947,090	940,169	6,920	38,208	37,111	1,097	Total (Crude petroleum equivalent)
1,047	17	3,004	586,395	586,323	72	3,226	3,110	115	Oil based fuels (Crude petroleum equivalent)
1	-	3	18	13	5	-	-	-	Gasoline
-	-	-	12,009	12,009	-	-	-	-	Naphtha
57	-	102	74	68	6	11	9	2	Kerosene
2	-	5	57	27	30	3	3	-	Gas oils
906	-	2,430	25,039	25,039	-	2,575	2,462	113	Heavy Fuel oil total
-	-	401	4,561	4,561	-	274	161	113	Heavy Fuel oil A
906	-	2,029	20,478	20,478	-	2,301	2,301	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
9	13	236	12,172	12,172	-	36	36	-	Liquefied petroleum gas
-	-	-	404,802	404,777	25	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	390	390	-	Reproduction oil (Oil origin)
435	11	7,711	31,774	31,774	-	25,186	25,016	170	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	7,645	7,645	-	-	-	-	Natural gas
83	-	-	16,536	16,536	-	5,572	5,572	-	Liquefied natural gas
272	9	6,672	5	5	-	15,054	14,908	146	Town gas(A)
299	10	7,261	5	5	-	16,299	16,139	160	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
120,245	3,698	347,192	885,847	819,699	66,148	97,908	89,182	8,726	Electricity
378,887	5,349	589,289	3,566,428	3,556,380	10,048	9,966	9,966	-	Steam
47,443	848	123,744	1,006,093	991,565	14,529	39,353	38,256	1,097	Total (Crude petroleum equivalent)
11,289	226	20,686	908,960	896,148	12,812	3,228	3,112	115	Oil based fuels (Crude petroleum equivalent)
1	-	3	18	13	5	-	-	-	Gasoline
-	-	-	12,132	12,115	17	-	-	-	Naphtha
57	-	144	5,654	4,869	785	13	11	2	Kerosene
2	-	10	57	27	30	3	3	-	Gas oils
6,033	116	8,910	125,850	123,560	2,289	2,575	2,462	113	Heavy Fuel oil total
1,518	86	841	8,620	8,523	97	274	161	113	Heavy Fuel oil A
4,515	30	8,069	117,230	115,037	2,192	2,301	2,301	-	Heavy Fuel oil B・C
24	-	5	330	330	-	-	-	-	Hydrocarbon oil
11	13	284	20,119	19,345	774	36	36	-	Liquefied petroleum gas
-	-	-	527,517	523,855	3,662	-	-	-	Hydrocarbon gas
5,568	105	12,324	4,295	4,195	100	-	-	-	Petroleum coke
-	-	-	31,514	27,988	3,526	-	-	-	Asphalt
-	-	-	-	-	-	390	390	-	Reproduction oil (Oil origin)
21,884	100	92,105	54,532	53,871	662	27,634	27,464	170	Non-oil based fuels (Crude petroleum equivalent)
22,123	-	86,476	21,818	21,017	802	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	7,993	7,993	-	-	-	-	Natural gas
916	-	347	21,641	21,641	-	5,863	5,863	-	Liquefied natural gas
4,890	87	28,821	388	284	104	16,808	16,662	146	Town gas(A)
5,337	94	31,349	425	311	114	18,217	18,057	160	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
77,752	3,218	109,123	209,435	203,443	5,992	91,283	82,557	8,726	Electricity
101,807	3,227	11,603	334,473	327,271	7,202	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(March, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	6,101,768	5,081,720	4,897,527	3,925,318	972,209
石 油 系 燃 料 (原 油 換 算)	"	4,506,189	4,448,533	4,405,765	3,922,203	483,562
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	15	3	3	...	3
ナフサ	"	2,772,620	2,763,011	2,763,011	2,763,011	-
改質生成油	"	1,201,986	1,201,986	1,201,986	1,201,986	...
灯油	"	3,664	1,160	1,160	932	228
軽油	"	15,832	15,595	15,595	15,594	1
重油	"	43,312	34,356	34,356	32,982	1,374
A重油	"	1,628	160	160	-	160
B・C重油	"	41,684	34,196	34,196	32,982	1,214
炭化水素油	"	33,962	29,771	29,771	22,769	7,002
液化石油ガス	t	361,433	343,745	343,709	324,416	19,293
石油系炭化水素ガス	1000m ³	348,676	347,651	343,226	2,015	341,211
オイルコークス	t	52,841	42,934	62	62	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	110	-	-	-	-
非石油系燃料(原油換算)	kl	804,512	55,343	25,308	3,115	22,192
石炭	t	916,674	15	-	-	-
石炭コークス	"	11,203	2,805	-	...	-
タール	"	38,374	-	-	-	-
コークス炉ガス	1000m ³	97,550	931	71	-	71
高転炉ガス	"	110,101	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	10,834	3,917	3,736	-	3,736
液化天然ガス	t	35,384	28,408	11,981	2,204	9,777
都市ガス(A)	1000m ³	11,599	5,727	3,692	...	3,692
都市ガス(B)	"	12,322	6,117	3,986	...	3,986
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	6,057	2,366	-	-	-
RPF	"	-	-	-	-	-
電蒸	力気	2,860,854	1,849,971	1,006,744	...	1,006,744
	t	7,594,477	5,870,160	5,393,459	...	5,393,459

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,199,999	5,077,346	4,838,093	3,925,318	912,774
石 油 系 燃 料 (原 油 換 算)	"	4,701,122	4,604,188	4,549,991	3,922,203	627,788
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	15	3	3	...	3
ナフサ	"	2,772,620	2,763,011	2,763,011	2,763,011	-
改質生成油	"	1,201,986	1,201,986	1,201,986	1,201,986	-
灯油	"	3,694	1,189	1,188	932	256
軽油	"	15,832	15,595	15,595	15,594	1
重油	"	71,731	56,476	53,483	32,982	20,501
A重油	"	3,169	1,377	984	-	984
B・C重油	"	68,562	55,099	52,499	32,982	19,517
炭化水素ガス	"	73,063	67,890	67,743	22,769	44,974
液化石油ガス	t	363,449	345,566	345,566	324,416	21,150
石油系炭化水素ガス	1000m ³	420,861	403,362	396,543	2,015	394,528
オイルコークス	t	81,324	60,153	11,710	62	11,648
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	1,712	1,602	1,602	-	1,602
非石油系燃料(原油換算)	kl	1,211,436	257,149	115,284	3,115	112,168
石炭	t	1,381,490	207,339	57,931	-	57,931
石炭コークス	"	11,203	2,805	-	-	-
タール	"	38,374	-	-	-	-
コークス炉ガス	1000m ³	100,767	1,609	281	-	281
高転炉ガス	"	110,101	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	37,533	12,778	6,774	-	6,774
液化天然ガス	t	55,015	46,490	28,708	2,204	26,504
都市ガス(A)	1000m ³	32,686	19,570	15,308	-	15,308
都市ガス(B)	"	33,722	19,655	15,149	-	15,149
廃プラスチック	t	13,271	13,271	13,271	-	13,271
廃プラスチック	"	6,057	2,366	-	-	-
RPF	"	829	829	829	-	829
電蒸	力気	1,398,277	936,958	536,331	-	536,331
	t	2,276,702	1,864,112	1,778,415	-	1,778,415

(令和3年3月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
92,622	57,010	35,612	91,571	1,020,048	Total	(Crude petroleum equivalent)
42,768	36,890	5,878	-	57,656	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	12	Gasoline
-	-	-	-	-	9,609	Naphtha
-	...	...	...	-	-	Oil produced by conversion
-	-	-	-	-	2,504	Kerosene
-	-	-	-	-	237	Gas oils
-	-	-	-	-	8,956	Heavy Fuel oil total
-	-	-	-	-	1,468	Heavy Fuel oil A
-	-	-	-	-	7,488	Heavy Fuel oil B・C
-	-	-	-	-	4,191	Hydrocarbon oil
36	-	36	-	-	17,688	Liquefied petroleum gas
4,425	-	4,425	-	-	1,025	Hydrocarbon gas
42,872	42,872	-	-	-	9,907	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	110	Reproduction oil (Oil origin)
27,498	20,120	7,377	2,537	749,169	Non-oil based fuels	(Crude petroleum equivalent)
15	15	-	-	-	916,659	Coal
-	...	-	-	2,805	8,398	Coal coke
-	-	-	-	-	38,374	Tar
860	-	860	-	-	96,619	Coke oven gas
-	-	-	-	-	110,101	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
88	88	-	93	-	6,917	Natural gas
16,249	12,892	3,357	178	-	6,976	Liquefied natural gas
1,960	...	1,960	75	-	5,872	Town gas(A)
2,054	...	2,054	77	-	6,205	Town gas(B)
-	-	-	-	-	-	Used tires
2,366	2,366	-	-	-	3,691	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
76,356	...	76,356	766,871	1,010,883	Electricity	
220,673	...	220,673	256,028	1,724,317	Steam	
94,655	57,010	37,645	144,598	1,122,653	Total	(Crude petroleum equivalent)
48,602	36,890	11,712	5,594	96,934	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	-	-	-	-	12	Gasoline
-	-	-	-	-	9,609	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	0	-	2,505	Kerosene
-	-	-	-	-	237	Gas oils
1,505	-	1,505	1,487	-	15,256	Heavy Fuel oil total
2	-	2	391	-	1,793	Heavy Fuel oil A
1,503	-	1,503	1,096	-	13,463	Heavy Fuel oil B・C
27	-	27	120	-	5,173	Hydrocarbon oil
36	-	36	96	-	17,751	Liquefied petroleum gas
6,777	-	6,777	43	-	17,498	Hydrocarbon gas
44,129	42,872	1,257	4,314	-	21,171	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	110	Reproduction oil (Oil origin)
39,390	20,120	19,270	102,476	954,287	Non-oil based fuels	(Crude petroleum equivalent)
9,679	15	9,664	139,729	-	1,174,151	Coal
-	-	-	2,805	-	8,398	Coal coke
-	-	-	-	-	38,374	Tar
1,328	-	1,328	-	-	99,158	Coke oven gas
-	-	-	-	-	110,101	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
3,712	88	3,624	2,291	-	24,756	Natural gas
17,020	12,892	4,128	763	-	8,525	Liquefied natural gas
2,014	-	2,014	2,249	-	13,116	Town gas(A)
2,111	-	2,111	2,395	-	14,067	Town gas(B)
-	-	-	-	-	-	Used tires
2,366	2,366	-	-	-	3,691	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
43,878	-	43,878	356,749	461,319	Electricity	
37,340	-	37,340	48,357	412,590	Steam	

(March, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計 (原油換算)	kl	645,303	503,883	408,135	351,426	56,710
石油系燃料 (原油換算)	"	140,386	129,405	84,729	82,863	1,866
ガソリン	"	38	32	25	...	25
灯油	"	1,112	755	212	158	54
軽油	"	1,100	668	558	194	364
重油計	"	34,736	32,927	3,069	1,966	1,103
A重油	"	2,071	1,615	514	363	151
B・C重油	"	32,665	31,312	2,555	1,603	952
炭化水素油	"	18,614	18,614	17,738	17,562	176
液化石油ガス	t	1,870	352	1	-	1
オイルコークス	"	60,060	55,558	49,250	49,250	-
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	26,492	24,127	19,225	19,155	70
非石油系燃料 (原油換算)	kl	320,568	312,458	270,396	268,562	1,834
石炭	t	373,291	370,712	358,946	358,132	814
石炭コークス	"	18,563	13,018	61	61	-
コークス炉ガス	1000m ³	21,954	21,954	167	-	167
高炉ガス	"	1,918	1,918	97	-	97
転炉ガス	"	18,049	18,049	3,220	-	3,220
電気炉ガス	"	832	832	-	-	-
天然ガス	"	1,430	1,430	-	-	-
液化天然ガス	t	48	48	-	-	-
都市ガス (A)	1000m ³	6,954	6,019	1,142	697	445
都市ガス (B)	"	7,607	6,600	1,229	763	466
廃材	絶乾(Dry)t	208	208	208	208	-
廃タイヤ	t	4,941	4,941	4,941	4,941	-
廃プラスチック	"	31,055	29,542	28,809	28,809	-
R P F	"	2,282	2,282	48	48	-
電	力 1000kWh	1,389,758	609,378	534,920	...	534,920
蒸	気 t	796,714	77,172	47,021	...	47,021

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計 (原油換算)	kl	787,309	555,188	459,845	351,426	108,419
石油系燃料 (原油換算)	"	156,848	145,058	99,262	82,863	16,399
ガソリン	"	38	32	25	-	25
灯油	"	1,333	976	212	158	54
軽油	"	1,100	668	558	194	364
重油計	"	36,413	33,933	3,192	1,966	1,226
A重油	"	2,722	2,264	571	363	208
B・C重油	"	33,691	31,669	2,621	1,603	1,018
炭化水素油	"	18,614	18,614	17,738	17,562	176
液化石油ガス	t	1,870	352	1	-	1
オイルコークス	"	76,893	72,292	65,981	49,250	16,731
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	26,500	24,135	19,233	19,155	78
非石油系燃料 (原油換算)	kl	594,326	385,755	343,310	268,563	74,748
石炭	t	762,718	469,800	457,779	358,132	99,647
石炭コークス	"	18,563	13,018	61	61	-
コークス炉ガス	1000m ³	21,954	21,954	167	-	167
高炉ガス	"	1,918	1,918	97	-	97
転炉ガス	"	18,049	18,049	3,220	-	3,220
電気炉ガス	"	832	832	-	-	-
天然ガス	"	10,635	6,649	5,134	-	5,134
液化天然ガス	t	48	48	-	-	-
都市ガス (A)	1000m ³	7,332	6,131	1,142	697	445
都市ガス (B)	"	7,975	6,710	1,229	763	466
廃材	絶乾(Dry)t	208	208	208	208	-
廃タイヤ	t	4,941	4,941	4,941	4,941	-
廃プラスチック	"	31,055	29,542	28,809	28,809	-
R P F	"	3,175	3,175	941	48	893
電	力 1000kWh	380,534	257,185	184,790	-	184,790
蒸	気 t	10,658	6,514	1,199	-	1,199

(令和3年3月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
30,030	25,426	4,604	65,718	141,420	Total (Crude petroleum equivalent)	
20,322	20,025	297	24,354	10,981	Oil based fuels (Crude petroleum equivalent)	
2	...	2	5	6	Gasoline	
12	-	12	531	357	Kerosene	
4	-	4	106	432	Gas oils	
18,385	18,305	80	11,473	1,809	Heavy Fuel oil total	
80	-	80	1,021	456	Heavy Fuel oil A	
18,305	18,305	-	10,452	1,353	Heavy Fuel oil B・C	
-	-	-	876	-	Hydrocarbon oil	
350	196	154	1	1,518	Liquefied petroleum gas	
-	-	-	6,308	4,502	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,902	2,365	Reproduction oil (Oil origin)	
5,839	5,401	438	36,223	8,109	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	11,766	2,579	Coal	
-	-	-	12,957	5,545	Coal coke	
-	-	-	21,787	-	Coke oven gas	
-	-	-	1,821	-	Blast furnace gas	
-	-	-	14,829	-	Converter furnace gas	
-	-	-	832	-	Electric furnace gas	
835	835	-	595	-	Natural gas	
48	-	48	-	-	Liquefied natural gas	
4,108	3,772	336	769	935	Town gas(A)	
4,571	4,222	349	800	1,007	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	733	1,513	Waste plastic	
-	-	-	2,234	-	Refuse Paper & Plastic Fuel	
31,073	...	31,073	43,385	780,380	Electricity	
14,153	...	14,153	15,998	719,542	Steam	
29,567	25,426	4,141	65,776	232,121	Total (Crude petroleum equivalent)	
20,627	20,025	602	25,169	11,790	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	6	Gasoline	
113	-	113	651	357	Kerosene	
4	-	4	106	432	Gas oils	
18,580	18,305	275	12,161	2,480	Heavy Fuel oil total	
81	-	81	1,612	458	Heavy Fuel oil A	
18,499	18,305	194	10,549	2,023	Heavy Fuel oil B・C	
-	-	-	876	-	Hydrocarbon oil	
350	196	154	1	1,518	Liquefied petroleum gas	
-	-	-	6,311	4,600	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,902	2,365	Reproduction oil (Oil origin)	
5,877	5,401	476	36,568	208,570	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	12,021	292,918	Coal	
-	-	-	12,957	5,545	Coal coke	
-	-	-	21,787	-	Coke oven gas	
-	-	-	1,821	-	Blast furnace gas	
-	-	-	14,829	-	Converter furnace gas	
-	-	-	832	-	Electric furnace gas	
835	835	-	680	3,985	Natural gas	
48	-	48	-	-	Liquefied natural gas	
4,142	3,772	370	847	1,201	Town gas(A)	
4,606	4,222	385	875	1,265	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	733	1,513	Waste plastic	
-	-	-	2,234	-	Refuse Paper & Plastic Fuel	
29,994	-	29,994	42,401	123,349	Electricity	
3,944	-	3,944	1,371	4,144	Steam	

(March, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,797,671	5,297,051	364,119	17,658	2,777,473	57,140	324,464	189,252	
石 油 系 燃 料 (原 油 換 算)	〃	99,435	85,177	85	158	16,557	2,959	9,539	7,684	
ガ ソ リ ン	〃	106	42	-	-	-	-	-	-	
灯 油	〃	7,122	6,868	-	-	-	26	760	14	
軽 油	〃	2,052	1,833	-	-	2	42	152	151	
重 油 計	〃	28,396	28,294	-	146	48	2,446	1,435	399	
A 重 油	〃	16,792	16,690	-	-	48	536	1,291	399	
B・C 重 油	〃	11,604	11,604	-	146	-	1,910	144	-	
炭 化 水 素 油	〃	5,099	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	22,922	21,681	-	-	716	140	5,550	5,501	
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	30,329	22,463	99	-	18,106	-	-	-	
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	139	139	-	-	-	106	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,729,644	4,303,085	329,912	15,352	2,694,215	39,374	161,204	126,739	
コークス製造用炭(原料炭)	t	3,257,910	347,629	-	-	347,629	-	-	-	
石 炭	〃	1,312,928	1,312,928	88,414	11,743	797,450	28,016	50,975	46,560	
石 炭 コ ー ク ス	〃	2,462,941	2,450,555	342,892	8,696	2,051,761	25,442	17,237	3,432	
タ ー ク ル	〃	9,801	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	801,990	664,067	23,029	1,746	87,738	267	31,902	30,434	
高 炉 ガ ス	〃	6,550,904	5,140,073	8,708	-	2,332,956	97	465	403	
転 炉 ガ ス	〃	412,862	356,417	998	-	94,528	240	2,115	1,972	
電 気 炉 ガ ス	〃	7,999	7,999	-	-	-	-	-	-	
天 然 ガ ス	〃	2,104	2,097	-	-	-	-	241	-	
液 化 天 然 ガ ス	t	32,833	32,817	-	-	-	171	594	-	
都 市 ガ ス (A)	1000m ³	183,230	176,783	206	-	5,063	143	8,320	2,615	
都 市 ガ ス (B)	〃	200,102	193,050	225	-	5,545	156	9,078	2,870	
酸 素	1000Nm ³	884,718	884,500	...	...	379,489	4,384	461,050	392,356
廃 材	絶乾(Dry)t	2,690	2,690	-	-	-	-	-	-	
廃 タ イ ヤ	t	1,058	1,058	-	-	-	-	1,058	1,058	
廃 プ ラ ス チ ッ ク	〃	19,200	2,930	-	-	2,666	-	264	264	
R P F	〃	-	-	-	-	-	-	-	-	
電 力	1000kWh	5,359,790	5,007,413	354,484	22,440	426,726	156,922	1,430,436	392,005	
蒸 気	t	6,799,725	6,408,762	16,575	885	390,701	3,027	298,858	265,869	

2) 一次投入燃料換算表 Conversion table for primary input fuel

種 別	単 位	鉄鋼業	鉄鋼製品	焼結鉄	ペレット	銑鉄用	フェロアロイ	製鋼用	for Steelmaking
合 計 (原 油 換 算)	kl	7,035,345	4,529,111	374,938	20,018	2,810,252	61,232	348,407	207,282
石 油 系 燃 料 (原 油 換 算)	〃	94,371	78,964	899	194	19,259	5,962	11,536	9,395
ガ ソ リ ン	〃	106	42	-	-	-	-	-	-
灯 油	〃	7,091	6,837	-	-	-	27	821	14
軽 油	〃	2,052	1,833	-	-	2	42	152	151
重 油 計	〃	24,305	24,004	483	146	1,296	5,211	2,585	1,321
A 重 油	〃	13,347	13,197	87	-	301	608	1,959	838
B・C 重 油	〃	10,958	10,807	396	146	996	4,603	627	483
炭 化 水 素 油	〃	5,099	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	22,247	20,281	231	28	1,776	156	6,128	6,079
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	30,329	22,463	99	-	18,106	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	139	139	-	-	-	106	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,546,764	4,084,321	350,765	19,713	2,761,294	43,280	218,172	172,921
コークス製造用炭(原料炭)	t	3,257,910	347,629	-	-	347,629	-	-	-
石 炭	〃	1,183,353	1,163,917	93,670	13,436	822,412	28,996	82,902	69,400
石 炭 コ ー ク ス	〃	2,462,941	2,450,555	342,892	8,696	2,051,761	25,442	17,237	3,432
タ ー ク ル	〃	9,801	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	767,671	620,925	29,501	2,505	102,432	707	42,474	40,577
高 炉 ガ ス	〃	5,924,495	4,358,410	126,593	29,283	2,713,307	17,081	228,087	225,495
転 炉 ガ ス	〃	370,138	306,515	7,348	451	109,952	502	13,892	13,235
電 気 炉 ガ ス	〃	7,999	6,607	-	-	-	6,404	-	-
天 然 ガ ス	〃	2,104	2,097	-	-	-	-	241	-
液 化 天 然 ガ ス	t	31,518	31,373	84	-	88	171	1,433	163
都 市 ガ ス (A)	1000m ³	176,281	168,289	1,549	20	8,527	154	12,777	4,377
都 市 ガ ス (B)	〃	192,564	183,817	1,688	22	9,316	169	13,948	4,790
酸 素	1000Nm ³	884,718	884,500	...	...	379,489	4,384	461,050	392,356
廃 材	絶乾(Dry)t	2,690	2,690	-	-	-	-	-	-
廃 タ イ ヤ	t	1,058	1,058	-	-	-	-	1,058	1,058
廃 プ ラ ス チ ッ ク	〃	19,200	2,930	-	-	2,666	-	264	264
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	3,909,315	3,661,157	246,011	911	267,326	127,269	1,250,602	243,946
蒸 気	t	442,017	365,355	5,622	375	69,913	2,182	34,198	32,896

(令和3年3月)

(鉄鋼製品 Iron and steel products)									Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others	コークス Coke	その他の製品 Others		
135,212	15,643	4,581	544,859	908,227	282,887	2,458,329	42,292	Total	
1,855	2,251	2,062	14,125	22,128	15,315	12,263	1,994	(Crude petroleum equivalent)	
-	-	-	1	-	41	-	64	Gasoline	
746	575	911	3,099	179	1,318	2	252	Kerosene	
1	51	11	10	-	1,565	20	199	Gas oils	
1,036	1,505	466	4,829	14,723	2,696	-	102	Heavy Fuel oil total	
892	1,505	462	3,906	6,316	2,626	-	102	Heavy Fuel oil A	
144	-	4	923	8,407	70	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	5,099	-	Hydrocarbon oil	
49	113	558	4,834	5,044	4,726	157	1,084	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	4,258	7,866	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
34,464	8,786	785	363,656	608,447	81,354	2,413,381	13,179	Non-oil based fuels	
-	-	-	-	-	-	2,910,264	17	(Crude petroleum equivalent)	
4,415	-	-	-	336,330	-	...	-	Coal for making coke (material coal)	
13,805	-	2	-	-	4,525	12,023	363	Coal	
-	-	-	-	-	-	9,801	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
1,468	256	28	358,219	119,800	41,082	133,285	4,638	Coke oven gas	
62	144	-	143,815	2,505,746	148,142	1,410,061	770	Blast furnace gas	
143	330	-	101,054	146,763	10,389	40,572	15,873	Converter furnace gas	
-	-	-	-	7,999	-	-	-	Electric furnace gas	
241	152	-	1,223	285	196	-	7	Natural gas	
594	1,801	136	21,534	4,607	3,974	-	16	Liquefied natural gas	
5,705	4,994	460	92,145	39,995	25,457	504	5,943	Town gas(A)	
6,208	5,468	501	100,526	43,600	27,951	552	6,500	Town gas(B)	
68,694	261	240	11,927	...	27,149	...	218	Oxygen	
-	-	-	-	2,690	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,270	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,038,431	48,655	17,729	1,430,542	127,791	991,688	169,747	182,630	Electricity	
33,189	1,151	1,239	491,971	3,844,885	1,359,470	244,407	146,556	Steam	
141,125	15,720	4,605	596,876	-	297,062	2,453,557	52,677	Total	
2,142	2,253	2,066	17,344	-	19,451	12,627	2,780	(Crude petroleum equivalent)	
-	-	-	1	-	41	-	64	Gasoline	
807	575	911	3,102	-	1,401	2	252	Kerosene	
1	51	11	10	-	1,565	20	199	Gas oils	
1,264	1,506	470	6,741	-	5,564	114	187	Heavy Fuel oil total	
1,120	1,506	466	4,655	-	3,614	1	149	Heavy Fuel oil A	
144	-	4	2,085	-	1,950	114	37	Heavy Fuel oil B・C	
-	-	-	-	-	-	5,099	-	Hydrocarbon oil	
49	113	558	5,767	-	5,525	343	1,623	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	4,258	7,866	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
45,251	8,917	827	483,268	-	198,083	2,427,609	34,834	Non-oil based fuels	
-	-	-	-	-	-	2,910,264	17	(Crude petroleum equivalent)	
13,502	-	-	70,833	-	51,669	3,168	16,267	Coal for making coke (material coal)	
13,805	-	2	-	-	4,525	12,023	363	Coal	
-	-	-	-	-	-	9,801	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
1,897	257	28	378,230	-	64,791	138,965	7,781	Coke oven gas	
2,592	151	-	580,027	-	663,882	1,485,455	80,630	Blast furnace gas	
657	330	-	130,044	-	43,995	45,276	18,348	Converter furnace gas	
-	-	-	-	-	204	-	1,392	Electric furnace gas	
241	152	-	1,467	-	237	-	7	Natural gas	
1,270	1,888	136	22,411	-	5,163	91	55	Liquefied natural gas	
8,400	5,001	496	103,462	-	36,303	1,379	6,614	Town gas(A)	
9,159	5,475	541	112,870	-	39,789	1,509	7,237	Town gas(B)	
68,694	261	240	11,927	...	27,149	...	218	Oxygen	
-	-	-	563	-	668	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,270	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,006,656	48,095	17,561	989,418	-	713,965	121,795	126,363	Electricity	
1,302	1,105	1,137	61,129	-	189,695	28,798	47,864	Steam	

(March, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper		溶錬工程 Fusing and mixing process		電解工程 Electrolytic process	溶錬工程 Fusing and mixing process
合計 (原油換算)	kl	97,920	86,337	28,168	21,107	7,061	6,413	5,846	567	
石油系燃料 (原油換算)	"	20,115	18,358	5,945	5,945	-	671	373	297	
ガソリン	"	3	3	-	-	-	-	-	-	
灯油	"	1,173	355	111	111	-	-	-	-	
軽油	"	324	108	4	4	-	-	-	-	
重油計	"	11,170	10,631	4,865	4,865	-	534	289	245	
A重油	"	5,061	4,530	692	692	-	534	289	245	
B・C重油	"	6,109	6,101	4,173	4,173	-	-	-	-	
炭化水素油	"	3,343	3,229	205	205	-	-	-	-	
液化石油ガス	t	533	445	314	314	-	1	-	1	
オイルコークス	"	114	114	18	18	-	96	96	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,656	2,656	-	-	-	48	-	48	
非石油系燃料 (原油換算)	kl	26,316	25,902	3,590	3,590	-	4,724	4,724	-	
石炭	t	4,641	4,641	4,531	4,531	-	94	94	-	
石炭コークス	"	15,094	15,084	274	274	-	5,276	5,276	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	25,952	25,952	-	-	-	6,960	6,960	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	404	404	-	-	-	-	-	-	
液化天然ガス	t	2,317	2,317	233	233	-	46	46	-	
都市ガス (A)	1000m ³	5,146	4,796	-	-	-	-	-	-	
都市ガス (B)	"	5,425	5,043	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
RPF	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	456,240 130,893	376,410 102,176	143,667 76,207	87,147 50,122	56,520 26,085	9,505 1,948	6,746 1,756	2,759 192	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	91,379	80,442	22,503	17,061	5,442	6,467	5,897	569
石油系燃料 (原油換算)	"	20,970	18,965	6,404	6,206	198	701	401	300
ガソリン	"	3	3	-	-	-	-	-	-
灯油	"	1,173	355	111	111	-	-	-	-
軽油	"	324	108	4	4	-	-	-	-
重油計	"	12,005	11,221	5,307	5,111	196	564	316	248
A重油	"	5,698	4,925	939	757	182	564	316	248
B・C重油	"	6,308	6,296	4,368	4,354	14	-	-	-
炭化水素油	"	3,343	3,229	205	205	-	-	-	-
液化石油ガス	t	533	445	314	314	-	1	-	1
オイルコークス	"	114	114	18	18	-	96	96	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,656	2,656	-	-	-	48	-	48
非石油系燃料 (原油換算)	kl	27,811	26,934	3,590	3,590	-	4,913	4,913	-
石炭	t	4,641	4,641	4,531	4,531	-	94	94	-
石炭コークス	"	15,094	15,084	274	274	-	5,276	5,276	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	37,483	33,944	-	-	-	8,766	8,766	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	404	404	-	-	-	-	-	-
液化天然ガス	t	2,419	2,388	233	233	-	62	62	-
都市ガス (A)	1000m ³	5,390	4,961	-	-	-	-	-	-
都市ガス (B)	"	5,696	5,226	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
RPF	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	427,660 40,734	356,016 20,626	126,767 10,363	76,078 2,708	50,689 7,655	8,856 417	6,097 236	2,759 182

(令和3年3月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
25,343	16,703	8,640	10,667	13,316	2,430	11,583	Total (Crude petroleum equivalent)	
1,105	516	589	2,129	8,103	404	1,758	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
6	6	-	148	84	6	818	Kerosene	
9	9	-	18	77	-	216	Gas oils	
1,061	475	586	1,802	2,251	118	539	Heavy Fuel oil total	
783	197	586	409	1,994	118	531	Heavy Fuel oil A	
278	278	-	1,393	257	-	8	Heavy Fuel oil B・C	
-	-	-	-	3,024	-	114	Hydrocarbon oil	
2	2	-	42	81	5	88	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
-	-	-	-	2,345	263	-	Reproduction oil (Oil origin)	
9,866	2,557	7,309	3,487	4,025	209	414	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	16	-	Coal	
9,530	2,457	7,073	-	-	4	10	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
18,992	842	18,150	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	404	-	-	-	Natural gas	
635	398	237	269	999	135	-	Liquefied natural gas	
63	63	-	2,258	2,471	4	350	Town gas(A)	
71	71	-	2,508	2,460	4	383	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
149,172	144,741	4,431	54,117	12,765	7,184	79,830	Electricity	
7,161	2,393	4,768	236	-	16,624	28,717	Steam	
25,521	16,727	8,794	10,677	13,315	1,959	10,937	Total (Crude petroleum equivalent)	
1,191	517	674	2,129	8,103	437	2,005	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
6	6	-	148	84	6	818	Kerosene	
9	9	-	18	77	-	216	Gas oils	
1,146	476	671	1,802	2,251	151	785	Heavy Fuel oil total	
868	198	671	409	1,994	150	773	Heavy Fuel oil A	
278	278	-	1,393	257	1	11	Heavy Fuel oil B・C	
-	-	-	-	3,024	-	114	Hydrocarbon oil	
2	2	-	42	81	5	88	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
-	-	-	-	2,345	263	-	Reproduction oil (Oil origin)	
10,641	2,748	7,893	3,487	4,024	278	877	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	16	-	Coal	
9,530	2,457	7,073	-	-	4	10	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
24,602	879	23,724	-	-	576	3,539	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	404	-	-	-	Natural gas	
685	398	286	269	999	140	31	Liquefied natural gas	
221	221	-	2,258	2,471	11	429	Town gas(A)	
247	247	-	2,507	2,460	12	470	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
147,155	144,723	2,432	54,117	12,765	6,356	71,644	Electricity	
-	-	-	393	-	9,453	20,108	Steam	

(March, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合 計 (原 油 換 算)	kl	304,019	225,701	4,041	5,823	24,337
石 油 系 燃 料 (原 油 換 算)	〃	19,869	11,895	608	1,312	373
ガ ソ リ ン	〃	4,651	2,744	-	2	1
灯 油	〃	2,367	1,164	15	168	18
軽 油	〃	2,391	545	246	3	1
重 油 計	〃	3,130	1,912	-	1,079	64
A 重 油	〃	3,130	1,912	-	1,079	64
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	6,277	4,612	272	50	224
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	67,407	45,017	1,144	714	1,336
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	792	792	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	1,259	1,259	-	-	-
液 化 天 然 ガ ス	t	3,351	1,315	-	121	-
都 市 ガ ス (A)	1000m ³	52,331	35,532	979	467	1,135
都 市 ガ ス (B)	〃	57,150	38,777	1,078	512	1,258
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電 力	1000kWh	2,329,987	1,814,486	24,602	40,814	243,254

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	364,302	275,739	4,162	6,754	32,346
石 油 系 燃 料 (原 油 換 算)	〃	22,171	14,125	662	1,413	1,370
ガ ソ リ ン	〃	4,651	2,744	-	2	1
灯 油	〃	2,414	1,208	15	202	28
軽 油	〃	2,428	577	246	3	4
重 油 計	〃	3,722	2,452	9	1,147	80
A 重 油	〃	3,722	2,452	9	1,147	80
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	7,533	5,859	307	50	972
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	152,822	115,408	1,281	1,839	10,961
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	792	792	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	3,880	3,868	-	-	946
液 化 天 然 ガ ス	t	8,819	5,707	-	175	196
都 市 ガ ス (A)	1000m ³	116,763	88,391	1,094	1,369	8,407
都 市 ガ ス (B)	〃	127,589	96,515	1,206	1,499	9,082
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電 力	1000kWh	2,035,078	1,571,717	23,855	37,643	215,157

(令和3年3月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
60,641	4,691	126,167	78,319	Total (Crude petroleum equivalent)
585	71	8,945	7,975	Oil based fuels (Crude petroleum equivalent)
2	-	2,739	1,907	Gasoline
-	11	952	1,203	Kerosene
-	-	295	1,846	Gas oils
167	32	570	1,218	Heavy Fuel oil total
167	32	570	1,218	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
321	22	3,723	1,665	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,259	197	40,366	22,390	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	792	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
8	-	1,251	-	Natural gas
-	-	1,194	2,036	Liquefied natural gas
1,067	169	31,715	16,799	Town gas(A)
1,177	186	34,567	18,373	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
632,072	47,543	826,201	515,501	Electricity
71,510	4,704	156,262	88,563	Total (Crude petroleum equivalent)
1,081	71	9,527	8,046	Oil based fuels (Crude petroleum equivalent)
2	-	2,739	1,907	Gasoline
-	11	952	1,206	Kerosene
-	-	324	1,851	Gas oils
291	32	893	1,270	Heavy Fuel oil total
291	32	893	1,270	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
608	22	3,900	1,674	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,383	223	83,720	37,414	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	792	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
8	-	2,914	12	Natural gas
-	-	5,336	3,112	Liquefied natural gas
14,898	191	62,431	28,372	Town gas(A)
16,360	210	68,157	31,075	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
570,250	47,403	677,409	463,361	Electricity

(March, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	500,914	7,760	3,652
ア ン モ ニ ア 及 び ア ン モ ニ ア 誘 導 品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	3
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	40
板 ガ ラ ス Sheet Glass	...	-	-	-	15
石 灰 Lime	...	-	-	-	251
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	-
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	194
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	31

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

(令和3年3月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
9,272	904	21,319	74,252	49,345	61,161	-
-	11	1,625	6	103,489	20,260	-
-	850	1,405	20	4,968	262,759	1,279
11	1,597	12,814	-	151,071	580,290	273
-	47	15,452	87	-	-	-
29	1,272	5,253	-	5,903	24,429	7,429
-	862	3,235	51	-	15,436	21
-	231	-	-	40	33	4,313
-	447	120	0	-	-	5,942
1	64	94	7	-	-	-
14	256	45	10	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(March, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry
 Hokkaido Bureau of Economy, Trade and Industry

1) 北海道経済産業局管内

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	551,659	-	148,376	6,171	-
石 油 系 燃 料 (原 油 換 算)	"	77,298	-	11,951	5,157	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	5	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	161	-	52	-	-
軽 油	"	104	-	-	-	-
A 重 油	"	6,115	-	79	3	-
B ・ C 重 油	"	14,707	-	9,264	-	-
炭 化 水 素 油	"	256	-	256	-	-
液 化 石 油 ガ ス	t	4,914	-	287	3,981	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	35,768	-	-	-	-
オ イ ル コ ー ク ス	t	1,177	-	1,177	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	224	-	161	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	450,768	-	132,047	377	-
石 炭 コ ー ク ス	t	391,944	-	129,811	-	-
コ ー ク ス 炉 ガ ス	1000m ³	80,800	-	412	-	-
高 炉 ガ ス	"	43,026	-	-	-	-
液 化 天 然 ガ ス	t	301,271	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,874	-	132	267	-
回 収 黒 液	1000m ³	199	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	101,619	-	101,619	...	...
R P F	t	5,028	-	16	-	-
	"	1,651	-	1,651	-	-
電 力	1000kWh	533,623	-	266,049	5,200	-
う ち 購 入 分	"	146,871	-	21,628	5,200	-
蒸 気	t	2,938,077	-	1,734,349	8,609	-
う ち 受 入 分	"	114,408	-	4,978	2,220	-

2) 東北経済産業局管内

Tohoku Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	292,942	-	147,029	11,568	224
石 油 系 燃 料 (原 油 換 算)	"	31,237	-	7,550	488	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	3	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	1,419	-	10	-	-
軽 油	"	232	-	5	-	-
A 重 油	"	6,142	-	1,427	485	-
B ・ C 重 油	"	12,844	-	4,888	-	-
炭 化 水 素 油	"	1,376	-	126	-	-
液 化 石 油 ガ ス	t	525	-	155	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	1,697	-	-	-	-
オ イ ル コ ー ク ス	t	5,290	-	364	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	704	-	171	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	225,556	-	136,833	9,730	-
石 炭 コ ー ク ス	t	171,638	-	86,440	13,558	-
コ ー ク ス 炉 ガ ス	1000m ³	11,573	-	-	-	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	38,708	-	-	-	-
都 市 ガ ス (B)	1000m ³	6,681	-	-	415	-
回 収 黒 液	1000m ³	1,746	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	139,661	-	139,661	...	...
R P F	t	3,339	-	178	-	-
	"	10,782	-	10,775	-	-
電 力	1000kWh	692,662	-	266,704	36,386	968
う ち 購 入 分	"	358,062	-	28,445	14,513	968
蒸 気	t	2,194,468	-	1,786,537	140,087	1,938
う ち 受 入 分	"	19,312	-	-	-	1,938

(令和3年3月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
51,862	41,018	-	299,231	-	5,000	Total (Crude petroleum equivalent)
51,862	1,730	-	6,499	-	99	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
1	4	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
2	9	-	98	-	-	Kerosene
1	8	-	95	-	-	Gas oils
-	485	-	5,529	-	19	Heavy Fuel oil A
4,372	1,071	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
35,768	-	-	584	-	62	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	63	-	-	-	-	Reproduction oil (Oil origin)
-	37,488	-	276,831	-	4,025	Non-oil based fuels (Crude petroleum equivalent)
-	51,368	-	210,765	-	-	Coal
-	61	-	80,327	-	-	Coal coke
-	167	-	42,859	-	-	Coke oven gas
-	-	-	301,271	-	-	Blast furnace gas
-	-	-	777	-	2,698	Liquefied natural gas
-	-	-	-	-	199	Town gas(B)
...	...	...	...	...	...	Black liquor
-	3,445	-	1,567	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
39,390	52,724	-	149,101	-	21,159	Electricity
-	19,354	-	91,273	-	9,416	among those purchased
181,858	121,066	-	892,195	-	...	Steam
-	-	-	107,210	-	...	among those accepted
7,313	26,577	1,712	56,180	31,477	10,862	Total (Crude petroleum equivalent)
6,457	5,414	267	6,374	3,288	1,401	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	3	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	15	8	219	222	945	Kerosene
-	128	1	11	86	1	Gas oils
11	92	253	1,997	1,500	377	Heavy Fuel oil A
3,897	332	-	3,549	178	-	Heavy Fuel oil B・C
-	422	-	-	828	-	Hydrocarbon oil
-	-	3	244	25	98	Liquefied petroleum gas
1,697	-	-	-	-	-	Hydrocarbon gas
-	4,830	-	-	96	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	222	-	-	311	-	Reproduction oil (Oil origin)
-	18,579	319	39,364	16,367	4,364	Non-oil based fuels (Crude petroleum equivalent)
-	23,074	-	44,288	4,278	-	Coal
-	-	-	1,559	10,014	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	38,708	-	Blast furnace gas
-	-	226	4,480	1,560	-	Liquefied natural gas
-	-	-	-	190	1,556	Town gas(B)
...	...	...	...	...	...	Black liquor
-	3,161	-	-	-	-	Waste plastic
-	7	-	-	-	-	Refuse Paper & Plastic Fuel
10,755	32,600	12,044	143,918	126,991	62,296	Electricity
9,208	27,777	4,854	112,261	105,240	54,796	among those purchased
63,878	25,576	-	11,997	164,455	...	Steam
-	-	-	-	17,374	...	among those accepted

(March, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,817,508	33,311	215,430	2,747,333	11,719
石 油 系 燃 料 (原 油 換 算)	"	3,013,307	4,175	12,433	2,509,398	180
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,134	5	1	8	2
改 質 生 成 油	"	1,588,707	-	-	1,588,513	-
灯 油	"	401,630	-	-	401,630	-
軽 油	"	12,259	104	125	1,393	-
A 重 油	"	18,339	177	21	15,772	-
B ・ C 重 油	"	8,574	380	1,674	127	-
炭 化 水 素 油	"	84,860	137	9,660	1,558	85
液 化 石 油 ガ ス	t	50,575	-	-	45,351	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	275,102	14	20	252,727	67
オ イ ル コ ー ク ス	t	508,783	-	-	275,857	-
ア ス フ ァ ル ト	"	45,793	3,894	-	40,468	-
再 生 油 (石 油 由 来)	kl	36,941	-	-	-	-
		8,884	-	146	1,712	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,482,246	19,879	188,371	107,756	11,373
石 炭 コ ー ク ス	t	1,421,680	9,145	25,323	9,145	-
コ ー ク ス 炉 ガ ス	1000m ³	804,544	4,655	-	4,655	-
高 炉 ガ ス	"	253,116	-	-	2,863	-
液 化 天 然 ガ ス	t	2,068,932	-	-	-	-
都 市 ガ ス (B)	1000m ³	26,658	-	5,791	14,873	-
回 収 黒 液	絶乾(Dry)t	192,515	-	47,172	18,761	10,709
廃 プ ラ ス チ ッ ク	t	148,823	-	148,823	...	...
R P F	"	19,064	-	112	2,366	-
	"	25,710	-	21,878	-	-
電 力	1000kWh	3,933,115	107,823	479,006	940,301	27,028
う ち 購 入 分	"	2,328,415	46,419	140,096	589,245	1,777
蒸 気	t	11,520,465	89,026	2,366,879	4,160,432	55,653
う ち 受 入 分	"	1,383,458	18,156	23,058	1,023,638	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,790,704	6,288	133,478	494,490	15,608
石 油 系 燃 料 (原 油 換 算)	"	682,874	79	16,085	427,382	4,117
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,645	9	-	-	-
改 質 生 成 油	"	171,315	-	-	163,928	-
灯 油	"	218,543	-	-	218,543	-
軽 油	"	5,048	42	22	7	153
A 重 油	"	995	4	47	6	6
B ・ C 重 油	"	9,447	28	246	292	612
炭 化 水 素 油	"	58,252	-	8,784	10,140	629
液 化 石 油 ガ ス	t	19,722	-	1,768	11,881	32
石 油 系 炭 化 水 素 ガ ス	1000m ³	24,458	-	156	14,388	88
オ イ ル コ ー ク ス	t	123,515	-	-	31,692	-
ア ス フ ァ ル ト	"	31,963	-	4,811	14,051	2,935
再 生 油 (石 油 由 来)	kl	10,065	-	-	-	-
		12,375	-	110	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	929,405	5,380	109,868	43,706	6,145
石 炭 コ ー ク ス	t	514,657	-	10,076	30,033	-
コ ー ク ス 炉 ガ ス	1000m ³	219,010	-	-	-	-
高 炉 ガ ス	"	73,441	-	-	-	-
液 化 天 然 ガ ス	t	816,662	-	-	-	-
都 市 ガ ス (B)	1000m ³	27,345	-	2,175	16,208	191
回 収 黒 液	絶乾(Dry)t	109,752	5,066	2,198	511	5,532
廃 プ ラ ス チ ッ ク	t	176,707	-	176,707	...	...
R P F	"	9,299	-	4,208	-	-
	"	10,387	-	10,387	-	-
電 力	1000kWh	2,518,198	14,899	253,382	205,018	64,186
う ち 購 入 分	"	1,705,195	8,902	63,901	103,386	47,062
蒸 気	t	4,652,294	-	1,450,257	934,543	93,453
う ち 受 入 分	"	246,272	-	22,869	195,234	14,006

(令和3年3月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
488,728	118,523	13,661	2,150,191	15,943	89,290	Total (Crude petroleum equivalent)
442,609	27,251	1,629	11,554	3,403	9,024	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
6	8	-	37	3	1,074	Gasoline
194	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
8,852	157	-	709	50	1,077	Kerosene
33	693	2	406	68	1,521	Gas oils
3,130	396	1	1,230	1,079	1,317	Heavy Fuel oil A
60,610	9,746	1,468	1,344	526	-	Heavy Fuel oil B・C
390	2,541	-	1,551	742	-	Hydrocarbon oil
15,379	72	31	3,482	44	3,294	Liquefied petroleum gas
232,921	-	-	5	-	-	Hydrocarbon gas
-	7,302	-	1,917	-	-	Petroleum coke
36,941	-	-	-	-	-	Asphalt
-	6,246	-	-	780	-	Reproduction oil (Oil origin)
13,515	78,304	9,940	2,047,825	3,686	41,355	Non-oil based fuels (Crude petroleum equivalent)
6,340	66,074	-	1,323,943	-	-	Coal
-	9,273	-	792,385	2,457	429	Coal coke
-	9,196	-	241,057	-	-	Coke oven gas
-	-	-	2,068,932	-	-	Blast furnace gas
-	48	2,504	748	147	2,547	Liquefied natural gas
424	1,542	6,027	71,509	1,124	35,247	Town gas(B)
...	...	...	...	...	...	Black liquor
-	7,852	-	8,734	-	-	Waste plastic
-	3,832	-	-	-	-	Refuse Paper & Plastic Fuel
378,814	212,436	24,200	1,403,899	92,838	482,416	Electricity
117,004	96,486	22,497	951,658	37,783	418,288	among those purchased
2,683,013	345,305	2,202	1,992,859	3,148	...	Steam
314,237	4,468	-	33,065	3,148	...	among those accepted
193,774	59,752	4,830	730,218	13,062	151,780	Total (Crude petroleum equivalent)
175,118	33,673	1,314	15,635	4,363	5,267	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,643	Gasoline
7,387	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	408	4	4,317	31	148	Kerosene
7	87	-	473	41	332	Gas oils
5,199	67	5	1,557	411	1,086	Heavy Fuel oil A
26,982	9,454	833	285	1,145	-	Heavy Fuel oil B・C
-	4,587	-	-	1,454	-	Hydrocarbon oil
2,297	-	-	5,650	109	1,770	Liquefied petroleum gas
91,823	-	-	-	-	-	Hydrocarbon gas
-	7,953	-	2,213	-	-	Petroleum coke
10,065	-	-	-	-	-	Asphalt
-	10,913	390	-	962	-	Reproduction oil (Oil origin)
16,990	21,686	2,694	661,373	3,019	69,304	Non-oil based fuels (Crude petroleum equivalent)
16,960	16,202	-	441,386	-	-	Coal
-	741	-	217,512	757	-	Coal coke
-	3,553	-	69,888	-	-	Coke oven gas
-	-	-	816,662	-	-	Blast furnace gas
3,928	-	495	3,866	-	482	Liquefied natural gas
-	4,935	1,878	33,818	2,309	63,637	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,341	-	2,750	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
181,672	67,885	8,843	757,140	37,328	957,643	Electricity
9,580	47,134	8,843	569,826	34,368	829,997	among those purchased
1,620,322	73,458	560	479,701	-	...	Steam
11,204	136	-	2,823	-	...	among those accepted

(March, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	2,044,227	35,617	50,537	709,057	72,087
石 油 系 燃 料 (原 油 換 算)	"	589,070	121	973	418,544	1,174
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	605	1	1	6	1
改 フ サ	"	193,151	-	-	192,141	-
灯 質 生 成 油	"	160,151	-	-	160,151	-
軽 油	"	677	7	1	178	-
A 重 油	"	778	104	21	26	7
B・C 重 油	"	2,881	9	82	9	554
炭 化 水 素 油	"	56,178	-	12	43,088	549
液 化 石 油 ガ ス	t	11,281	-	-	2,690	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	40,997	2	7	37,366	13
オ イ ル コ ー ク ス	t	108,004	-	-	12,030	-
ア ス フ ァ ル ト	"	8,124	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,712	-	815	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,339,002	25,040	47,473	265,830	61,332
石 炭 コ ー ク ス	t	958,344	20,531	12,932	307,478	50,490
コ ー ク ス 炉 ガ ス	1000m ³	285,416	-	-	-	-
高 炉 ガ ス	"	136,855	-	-	15,528	-
液 化 天 然 ガ ス	t	1,164,548	-	-	110,101	-
都 市 ガ ス (B)	t	33,410	1,658	-	17,333	620
回 収 黒 液	1000m ³	154,667	8,334	22,593	14,746	24,862
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	28,143	-	28,143	...	...
R P F	t	705	-	-	-	-
	"	671	-	658	-	-
電 力	1000kWh	1,899,578	163,135	96,162	275,269	216,646
う ち 購 入 分	"	1,020,225	112,400	22,466	165,132	94,738
蒸 気	t	4,153,636	213,169	539,124	849,466	667,572
う ち 受 入 分	"	307,283	-	-	134,861	11,111

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,643,370	288,153	106,646	1,345,027	54,210
石 油 系 燃 料 (原 油 換 算)	"	1,202,474	5,205	16,300	954,983	22,706
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	79	65	-	1	1
改 フ サ	"	530,471	-	-	526,859	-
灯 質 生 成 油	"	250,110	-	-	250,110	-
軽 油	"	3,534	203	23	1,660	48
A 重 油	"	569	46	14	7	-
B・C 重 油	"	11,273	137	195	885	1,446
炭 化 水 素 油	"	81,510	3,836	10,093	17,642	8,680
液 化 石 油 ガ ス	t	34,311	-	-	30,308	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	51,141	488	-	42,205	143
オ イ ル コ ー ク ス	t	194,070	-	-	105,834	-
ア ス フ ァ ル ト	"	76,658	-	5,031	42,872	13,535
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,457	-	807	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,256,854	277,427	87,950	341,096	28,373
石 炭 コ ー ク ス	t	1,769,334	403,085	19,643	452,212	36,946
コ ー ク ス 炉 ガ ス	1000m ³	692,144	3,794	-	3,431	-
高 炉 ガ ス	"	192,364	-	-	515	-
液 化 天 然 ガ ス	t	1,506,342	-	-	-	-
都 市 ガ ス (B)	t	26,079	-	189	10,591	588
回 収 黒 液	1000m ³	44,778	1,273	1,573	1,998	2,472
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	158,157	-	158,157	...	...
R P F	t	3,605	1,827	127	1,827	-
	"	10,339	-	9,510	829	-
電 力	1000kWh	2,968,429	738,662	187,022	1,076,905	90,556
う ち 購 入 分	"	1,567,340	41,684	25,755	199,537	18,391
蒸 気	t	9,215,321	2,855,607	1,344,969	4,941,054	610,152
う ち 受 入 分	"	553,263	23,771	-	439,617	20,540

(令和3年3月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
144,508	60,259	18,887	974,375	4,596	45,540	Total
134,450	23,192	1	6,476	1,108	3,272	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
6	4	-	-	-	588	(Crude petroleum equivalent)
1,010	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
5	157	1	103	71	168	Naphtha
15	21	-	307	37	448	Oil produced by conversion
136	336	-	126	773	874	Kerosene
5,491	6,840	-	198	-	-	Gas oils
-	8,591	-	-	-	-	Heavy Fuel oil A
781	279	-	1,547	12	994	Heavy Fuel oil B・C
95,974	-	-	-	-	-	Hydrocarbon oil
-	3,866	-	4,258	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	2,625	-	68	204	-	Petroleum coke
7,850	34,204	14,881	905,979	2,768	23,725	Asphalt
-	44,022	-	563,953	-	-	Reproduction oil (Oil origin)
-	547	-	284,869	-	-	Non-oil based fuels
-	1,906	-	119,421	-	-	(Crude petroleum equivalent)
-	1,283	-	1,053,164	-	-	Coal
5,554	-	2,755	6,498	454	1,854	Coal coke
-	1,057	10,346	67,523	2,002	19,872	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	705	-	-	-	-	Liquefied natural gas
-	13	-	-	-	-	Town gas(B)
98,018	66,336	47,972	1,023,335	7,745	231,230	Black liquor
23,649	30,772	43,050	545,861	7,622	199,335	Waste plastic
528,103	303,328	8,397	1,469,736	1,079	...	Refuse Paper & Plastic Fuel
113	9	-	161,189	-	...	Electricity
						among those purchased
						Steam
						among those accepted
193,398	321,153	79	1,858,796	10,038	42,175	Total
169,512	10,811	-	28,185	2,371	2,812	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	64	-	75	(Crude petroleum equivalent)
3,612	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
14	361	-	1,158	273	200	Naphtha
1	37	-	358	89	109	Oil produced by conversion
460	405	-	5,911	1,171	937	Kerosene
38,330	4,259	-	5,561	781	-	Gas oils
-	454	-	3,548	-	1	Heavy Fuel oil A
1,957	287	-	5,868	4	1,165	Heavy Fuel oil B・C
88,236	-	-	-	-	-	Hydrocarbon oil
6,637	4,545	-	4,038	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	650	-	-	-	-	Petroleum coke
19,259	305,908	-	1,733,411	1,268	17,015	Asphalt
-	435,432	-	1,228,186	-	-	Reproduction oil (Oil origin)
-	6,925	-	683,628	1,591	363	Non-oil based fuels
-	3,174	-	188,675	-	-	(Crude petroleum equivalent)
-	635	-	1,505,707	-	-	Coal
13,626	-	-	1,001	-	84	Coal coke
-	499	-	24,755	71	14,684	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,827	-	1,651	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
140,106	731,514	849	1,122,694	69,831	287,614	Black liquor
43,112	44,368	849	970,008	66,762	240,242	Waste plastic
985,806	2,718,477	-	1,436,000	34,470	...	Refuse Paper & Plastic Fuel
8,919	4,432	-	100,794	2,732	...	Electricity
						among those purchased
						Steam
						among those accepted

(March, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	866,832	-	262,580	471,378	28,584
石 油 系 燃 料 (原 油 換 算)	"	298,952	-	90,742	164,118	5,929
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	23	-	4	-	-
改 質 生 成 油	"	291	-	-	291	-
灯 油	"	142,338	-	-	142,338	-
軽 油	"	827	-	3	208	-
A 重 油	"	333	-	226	-	-
B ・ C 重 油	"	3,535	-	2,144	4	-
炭 化 水 素 油	"	20,626	-	4,784	6,316	3,711
液 化 石 油 ガ ス	t	2,512	-	-	615	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	71,981	-	64,118	3,733	-
オ イ ル コ ー ク ス	t	31,336	-	-	17,300	-
ア ス フ ァ ル ト	"	12,103	-	-	5,382	2,232
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		292	-	178	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	518,549	-	167,767	281,773	21,548
石 炭 コ ー ク ス	t	588,680	-	163,085	339,911	30,581
コ ー ク ス 炉 ガ ス	1000m ³	11,986	-	-	3,117	-
高 炉 ガ ス	"	47,624	-	-	47,624	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,483	-	961	340	-
回 収 黒 液	絶乾(Dry)t	1,004	-	134	-	870
廃 プ ラ ス チ ッ ク	t	124,903	-	124,903	...	...
R P F	"	56	-	56	-	-
	"	8,783	-	8,783	-	-
電 力	1000kWh	888,073	-	406,049	157,501	56,182
う ち 購 入 分	"	376,395	-	30,996	146,132	11,587
蒸 気	t	4,038,052	-	2,905,691	271,096	332,721
う ち 受 入 分	"	207,137	-	17,187	172,050	420

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,004,203	853	75,301	565,988	6,446
石 油 系 燃 料 (原 油 換 算)	"	417,033	226	6,804	313,393	255
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,267	-	-	-	-
改 質 生 成 油	"	300,888	-	-	300,888	-
灯 油	"	29,214	-	-	29,214	-
軽 油	"	1,623	230	293	276	-
A 重 油	"	460	3	1	21	-
B ・ C 重 油	"	3,439	-	310	1,725	-
炭 化 水 素 油	"	17,337	-	5,231	2,400	236
液 化 石 油 ガ ス	t	5,061	-	-	4,620	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	18,141	5	-	11,088	-
オ イ ル コ ー ク ス	t	14,021	-	-	4,032	-
ア ス フ ァ ル ト	"	62,534	-	599	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		6,183	-	46	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,453,908	-	66,157	219,110	-
石 炭 コ ー ク ス	t	1,226,171	-	41,556	293,535	-
コ ー ク ス 炉 ガ ス	1000m ³	395,083	-	-	-	-
高 炉 ガ ス	"	178,322	-	-	34,274	-
液 化 天 然 ガ ス	t	805,168	-	-	-	-
都 市 ガ ス (B)	1000m ³	17,525	-	-	1,241	-
回 収 黒 液	絶乾(Dry)t	10,305	-	132	1	-
廃 プ ラ ス チ ッ ク	t	96,412	-	96,412	...	...
R P F	"	18,086	-	-	1,864	-
	"	-	-	-	-	-
電 力	1000kWh	1,510,993	6,733	170,030	164,274	15,569
う ち 購 入 分	"	1,108,945	6,733	25,166	116,359	15,569
蒸 気	t	2,965,898	-	1,091,786	778,310	68,622
う ち 受 入 分	"	416,777	-	-	309,082	68,622

(令和3年3月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
25,151	45,407	-	15,725	12,039	5,969	Total
25,150	6,721	-	2,175	3,789	328	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	17	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
1	132	-	50	421	12	Kerosene
-	103	-	1	3	-	- Gas oils
-	406	-	62	730	189	Heavy Fuel oil A
3,341	426	-	-	2,048	-	Heavy Fuel oil B・C
-	1,578	-	-	319	-	Hydrocarbon oil
2,351	-	-	1,595	88	96	Liquefied petroleum gas
14,036	-	-	-	-	-	Hydrocarbon gas
-	4,489	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	114	-	-	-	-	Reproduction oil (Oil origin)
-	37,895	-	7,946	323	1,296	Non-oil based fuels
-	54,740	-	-	363	-	(Crude petroleum equivalent)
-	969	-	7,796	104	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	265	-	917	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
24,981	54,476	-	64,616	77,540	46,728	Electricity
10	8,505	-	60,236	72,219	46,710	among those purchased
147,954	315,730	-	27,020	37,840	...	Steam
-	-	-	-	17,480	...	among those accepted
20,277	156,949	395	1,138,576	6,633	34,491	Total
19,638	48,708	23	22,536	2,706	3,198	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	1,266	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	94	-	468	106	616	Kerosene
-	23	-	401	-	17	Gas oils
8	562	20	380	82	352	Heavy Fuel oil A
5,116	2,054	-	667	1,633	-	Heavy Fuel oil B・C
-	441	-	-	-	-	Hydrocarbon oil
726	1,232	2	3,952	255	891	Liquefied petroleum gas
9,989	-	-	-	-	-	Hydrocarbon gas
-	44,014	-	17,903	18	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	5,667	-	71	399	-	Reproduction oil (Oil origin)
-	101,904	-	1,056,916	508	9,313	Non-oil based fuels
-	132,763	-	758,317	-	-	(Crude petroleum equivalent)
-	47	-	394,865	171	-	Coal
-	3,958	-	140,090	-	-	Coal coke
-	-	-	805,168	-	-	Coke oven gas
-	-	-	15,198	269	817	Blast furnace gas
-	-	-	2,497	-	7,675	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	11,724	-	4,498	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
12,111	171,787	4,000	695,087	43,967	240,901	Electricity
6,872	66,536	4,000	608,134	36,748	236,294	among those purchased
90,061	381,869	-	490,217	65,033	...	Steam
-	2,137	-	36,936	-	...	among those accepted

(March, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年4月分
April, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

 1) 固有単位表 20

 2) 熱量単位表 20

(2) 燃料受払

 1) 燃料種別表 24

 ① 固有単位表 24

 ② 熱量単位表 24

 2) 業種別表

 ① パルプ・紙・板紙工業 26

 ② 化学繊維工業 26

 ③ 石油製品工業 28

 ④ ガラス製品工業 28

 ⑤ 化学工業 30

 ⑥ 窯業・土石製品工業 30

 ⑦ 鉄鋼業 32

 ⑧ 非鉄金属地金工業 34

 ⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

 1) 直接投入エネルギー表 38

 2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

 経済産業局別業種別エネルギー消費

 1) 北海道経済産業局管内 52

 2) 東 北 " 52

 3) 関 東 " 54

 4) 中 部 " 54

 5) 近 畿 " 56

 6) 中 国 " 56

 7) 四 国 " 58

 8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

 1) Table of original units 20

 2) Table of energy units 20

(2) Fuel input/output

 1) Table for type kind of energy 24

 ① Table of original unit 24

 ② Table of energy unit 24

 2) Tables for individual industry

 ① Pulp,paper,paper board industry 26

 ② Chemical fiber industry 26

 ③ Petroleum products industry 28

 ④ Glass products industry 28

 ⑤ Chemical industry 30

 ⑥ Ceramic, stone and clay product industry 30

 ⑦ Iron and steel industry 32

 ⑧ Non-ferrous metals industry 34

 ⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

 1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

 2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

 Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

 1) Hokkaido Bureau of Economy, Trade and Industry 52

 2) Tohoku Bureau of Economy, Trade and Industry 52

 3) Kanto Bureau of Economy, Trade and Industry 54

 4) Chubu Bureau of Economy, Trade and Industry 54

 5) Kansai Bureau of Economy, Trade and Industry 56

 6) Chugoku Bureau of Economy, Trade and Industry 56

 7) Shikoku Bureau of Economy, Trade and Industry 58

 8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
 の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
 神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
 和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
 鹿児島
 の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号

経済産業省資源エネルギー庁

長官官房総務課戦略企画室

電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターブル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,138,745	11,921,766	15,111,389	6,045,293	-	4,206	2,664,590	1,165,343	16,931
重複事業所分補正量 Duplication adjustment	392,379	-	365,605	10,858	-	95	-	-	903
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	1,044,696	925,719	999,997	155,257	...	7	-	-	455
化学工業 Chemical industry	6,234,123	4,942,427	5,943,794	4,651,077	-	17	2,659,590	1,165,343	2,862
化学繊維工業 Chemical fibers industry	205,478	51,466	180,240	33,163	...	5	-	-	171
石油製品工業 Petroleum products industry	1,007,679	924,918	965,572	927,123	...	17	5,000	-	1,732
窯業・土石製品工業 Ceramics, clay and stone products industry	775,958	502,779	739,627	158,809	...	24	-	-	1,592
ガラス製品工業 Glass products industry	39,837	38,634	31,476	4,110	...	-	-	-	8
鉄鋼業 Iron and steel industry	6,782,480	4,214,427	6,402,173	84,739	...	120	-	-	7,072
非鉄金属地金工業 Non-ferrous metals industry	3,836,495	79,393	3,456,188	20,771	...	5	-	-	1,326
機械工業 Machinery industry	93,665	242,004	47,523	21,102	...	4,106	-	-	2,616

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	624,569,438	461,372,357	584,810,763	233,952,850	-	140,480	88,730,847	39,272,059	617,999
重複事業所分補正量 Duplication adjustment	487,578,092	-	447,819,417	420,197	-	3,173	-	-	32,960
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	15,185,066	-	14,148,907	420,197	-	3,173	-	-	32,960
化学工業 Chemical industry	40,429,725	35,825,318	38,699,888	6,008,449	...	234	-	-	16,608
化学繊維工業 Chemical fibers industry	241,260,574	191,271,911	230,024,820	179,996,665	-	568	88,564,347	39,272,059	104,463
石油製品工業 Petroleum products industry	218,278,850	207,043,096	207,043,096	1,283,405	...	167	-	-	6,242
窯業・土石製品工業 Ceramics, clay and stone products industry	7,952,003	1,991,725	6,975,276	1,283,405	...	167	-	-	6,242
ガラス製品工業 Glass products industry	38,997,180	35,794,327	37,367,648	35,879,660	...	568	166,500	-	63,218
鉄鋼業 Iron and steel industry	30,029,579	19,457,558	28,623,568	6,145,926	...	802	-	-	58,108
非鉄金属地金工業 Non-ferrous metals industry	30,029,579	28,623,568	28,623,568	159,057	...	-	-	-	292
機械工業 Machinery industry	1,541,704	1,495,117	1,218,107	159,057	...	-	-	-	292
鉄鋼業 Iron and steel industry	262,481,962	163,098,333	247,764,113	3,279,412	...	4,008	-	-	258,130
非鉄金属地金工業 Non-ferrous metals industry	148,472,341	3,072,522	1,839,155	803,824	...	167	-	-	48,399
機械工業 Machinery industry	3,624,835	3,072,522	1,839,155	803,824	...	167	-	-	48,399
機械工業 Machinery industry	13,436,944	9,365,547	6,447,094	816,651	...	137,140	-	-	95,500

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年4月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
22,858	364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096
475	3,935	674	3,261	-	485	-	5,381	-	-	354,747
311	49,884	4,858	45,026	3,113	66,182	-	10,894	-	2,629	844,740
15,950	86,290	4,307	81,983	95,216	374,304	439,671	83,557	-	2,183	1,292,717
14	16,477	3,976	12,501	35	362	-	17,409	-	-	147,077
45	140,956	8,389	132,567	37	24,801	547,228	17,207	1,360	-	38,449
1,124	33,531	2,705	30,826	20,053	1,461	-	81,949	-	26,026	580,818
2	3,395	270	3,125	-	44	-	-	-	382	27,366
3,195	23,941	13,101	10,840	5,713	18,072	3	23,796	-	159	6,317,434
256	10,716	5,014	5,702	3,931	559	-	669	-	2,602	26,753
2,436	3,706	3,706	-	1	6,929	-	-	-	-	145,490

単位 Unit: GJ

868,601	15,123,174	1,775,951	13,347,223	5,123,960	24,660,961	50,332,002	7,662,330	54,400	1,366,036	350,857,913
18,050	162,528	26,219	136,310	-	24,299	-	179,187	-	-	13,728,710
11,818	2,071,096	189,009	1,882,087	124,520	3,315,718	-	362,770	-	105,686	32,691,439
606,100	3,594,432	167,542	3,426,889	3,808,640	18,752,630	22,423,221	2,782,448	-	87,757	50,028,155
532	677,208	154,666	522,542	1,400	18,136	-	579,720	-	-	5,691,872
1,710	5,867,633	326,332	5,541,301	1,480	1,242,530	27,908,628	572,993	54,400	-	1,487,989
42,712	1,393,841	105,225	1,288,617	802,120	73,196	-	2,728,902	-	1,046,245	22,477,642
76	141,128	10,503	130,625	-	2,204	-	-	-	15,356	1,059,051
121,410	962,762	509,633	453,129	228,520	905,631	153	792,407	-	6,392	244,484,702
9,726	433,407	195,064	238,344	157,240	28,006	-	22,278	-	104,600	1,035,331
92,567	144,195	144,195	-	40	347,208	-	-	-	-	5,630,443

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(April, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal	石炭コークス (注4) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然ガス LNG
	t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t
合計 Total	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184
重複事業所分補正量 Duplication adjustment	459,333	9,028	-	-	-	-	-	8,760	1,452
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	430,669	396	...	-	-	-	-	7,011	8,442
化学工業 Chemical industry	1,456,610	12,515	40,486	104,114	104,183	-	-	39,445	58,883
化学繊維工業 Chemical fibers industry	130,831	-	...	-	-	-	-	-	1,411
石油製品工業 Petroleum products industry	16,660	-	...	-	-	-	-	4,448	15,530
窯業・土石製品工業 Ceramics, clay and stone products industry	746,484	18,133	...	21,896	2,100	16,987	734	10,095	43
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,401
鉄鋼業 Iron and steel industry	4,258,381	2,312,989	9,286	774,879	6,322,921	349,919	8,226	2,073	31,321
非鉄金属地金工業 Non-ferrous metals industry	4,304	15,479	...	-	31,256	-	-	404	2,441
機械工業 Machinery industry	-	1,656	...	-	-	-	-	3,436	8,164

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	180,559,105	68,212,079	1,856,496	18,288,047	23,063,842	3,056,327	74,637	2,471,460	7,121,065
重複事業所分補正量 Duplication adjustment	11,988,591	261,812	-	-	-	-	-	372,300	79,424
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,240,461	11,484	...	-	-	-	-	297,968	461,777
化学工業 Chemical industry	38,017,521	362,935	1,510,128	2,113,514	371,933	-	-	1,676,413	3,220,900
化学繊維工業 Chemical fibers industry	3,414,689	-	...	-	-	-	-	-	77,182
石油製品工業 Petroleum products industry	434,826	-	...	-	-	-	-	189,040	849,491
窯業・土石製品工業 Ceramics, clay and stone products industry	19,483,232	525,876	...	444,489	7,497	141,502	6,114	429,038	2,352
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	295,435
鉄鋼業 Iron and steel industry	119,844,632	67,076,681	346,368	15,730,044	22,572,828	2,914,825	68,523	88,103	1,713,259
非鉄金属地金工業 Non-ferrous metals industry	112,334	448,891	...	-	111,584	-	-	17,170	133,523
機械工業 Machinery industry	-	48,024	...	-	-	-	-	146,030	446,571

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年4月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
490,048	925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618
23,692	-	-	-	-	1,803	-	1,029,482	213,602	3,117,761	33,707
69,265	925,803	...	191,908	14,231	5,893	48,895	2,033,591	410,324	12,004,360	63,180
47,234	...	...	-	15,931	8,668	1,138	2,961,787	1,420,536	11,878,185	2,182,823
53,528	...	...	-	-	-	-	460,959	191,369	1,654,273	107,588
356	...	...	-	-	-	-	772,293	195,268	5,316,321	346,380
8,048	...	...	162	4,887	28,686	3,764	1,332,402	335,177	3,993,523	8,354
18,579	...	...	-	-	-	-	96,403	82,882	10,317	-
190,169	...	805,862	-	837	18,702	-	5,085,207	3,792,010	6,151,798	398,610
5,154	...	...	-	-	-	-	470,547	361,251	306,714	42,390
121,407	...	...	-	-	-	-	2,183,390	1,941,625	...	...

単位 Unit: GJ

20,140,969	12,590,921	5,737,737	3,284,397	1,191,415	1,762,278	1,447,139	51,721,549	30,660,624	102,178,930	8,334,279
973,754	-	-	-	-	52,828	-	3,706,135	768,967	8,340,011	90,166
2,846,792	12,590,921	...	3,281,627	472,469	172,665	1,315,276	7,320,928	1,477,166	32,111,664	169,007
1,941,317	...	...	-	528,909	253,972	30,612	10,662,433	5,113,930	31,774,145	5,839,052
2,200,001	...	...	-	-	-	-	1,659,452	688,928	4,425,180	287,798
14,632	...	...	-	-	-	-	2,780,255	702,965	14,221,159	926,567
330,773	...	...	2,770	162,248	840,500	101,252	4,796,647	1,206,637	10,682,674	22,347
763,616	...	...	-	-	-	-	347,051	298,375	27,598	-
7,815,946	...	5,737,737	-	27,788	547,969	-	18,306,745	13,651,236	16,456,060	1,066,282
211,829	...	...	-	-	-	-	1,693,969	1,300,504	820,460	113,393
4,989,818	...	...	-	-	-	-	7,860,204	6,989,850	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(April, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	11,717,842	3,550,026	15,111,389	2,500,079	392,035
(ネット)	"			11,571,561		
石 油 系 燃 料 (原 油 換 算)	"	4,607,170	-	6,045,293	663,359	181,348
原ガソリン	"	-	...	-	-	-
ナフサ	"	4,181	...	4,206	...	...
改質生成油	"	2,746,298	...	2,664,590	-	-
灯油	"	1,163,339	...	1,165,343	-	-
軽油	"	15,493	...	16,931	1,260	1,613
重油	"	21,650	...	22,858	4	40
計	"	222,810	...	364,961	221,082	6,412
A重油	"	39,395	...	45,652	18,564	3,579
B・C重油	"	183,415	...	319,309	202,518	2,833
炭化水素油	"	54,468	...	128,099	58,767	-
液化石油ガス	t	506,193	...	492,229	70,736	14,432
石油系炭化水素ガス	1000m ³	19,607	...	986,902	133,608	117,198
オイルコークス	t	209,862	...	230,100	106,514	-
再生油(石油由来)	kl	-	...	1,360	1,360	-
再	kl	34,487	-	33,981	3,197	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,110,671	3,550,026	9,066,096	1,836,720	210,686
石炭	t	7,021,541	...	6,584,606	1,339,960	-
タコークス(注2)	"	722,609	2,547,733	2,352,140	-	-
タコークス(注3)	"	35,339	69,759	49,772	-	-
コークス	1000m ³	162,184	1,092,746	900,889	122,678	-
高炉ガス	"	217,786	9,143,081	6,460,460	2,296,326	-
転炉ガス	"	21,484	509,153	366,906	122,848	-
電炉ガス	"	734	9,950	8,960	7,404	-
天然ガス	"	50,036	4,535	58,152	18,660	16,685
液化天然ガス	t	137,123	...	130,184	17,788	32,628
都市ガス(A)	1000m ³	452,691	...	452,691	93,539	127,574
都市ガス(B)	"	490,060	...	490,048	100,893	137,691
回収黒液	絶乾(Dry)t	926,388	...	925,803	925,803	-
酸素	1000Nm ³	668,069	190,647	805,862	-	-
廃材	絶乾(Dry)t	193,470	-	192,070	191,621	-
廃ヤク	t	40,844	-	35,886	30,162	-
廃プラスチック	"	61,324	6,891	60,146	5,893	-
R	"	59,677	-	53,797	51,316	23

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収 又は生産 Generation, recovery and/or production	合 計	ボイラ用	コージェネ レーション用
合 計 (原 油 換 算)	GJ	453,480,482	137,385,989	584,810,763	96,753,042	15,171,741
(ネット)	"			447,819,417		
石 油 系 燃 料 (原 油 換 算)	"	178,297,509	-	233,952,850	25,671,995	7,018,178
原ガソリン	"	-	...	-	-	-
ナフサ	"	139,645	...	140,480	...	...
改質生成油	"	91,451,723	...	88,730,847	-	-
灯油	"	39,204,524	...	39,272,059	-	-
軽油	"	565,511	...	617,999	45,990	58,875
重油	"	822,697	...	868,601	152	1,520
計	"	9,199,411	...	15,123,174	9,187,456	257,643
A重油	"	1,532,555	...	1,775,951	722,203	139,223
B・C重油	"	7,666,856	...	13,347,223	8,465,252	118,419
炭化水素油	"	2,178,720	...	5,123,960	2,350,680	-
液化石油ガス	"	25,360,537	...	24,660,961	3,543,874	723,043
石油系炭化水素ガス	"	999,957	...	50,332,002	6,814,008	5,977,098
オイルコークス	"	6,988,405	...	7,662,330	3,546,916	-
再生油(石油由来)	"	-	...	54,400	54,400	-
再	"	1,386,377	-	1,366,036	128,519	-
非 石 油 系 燃 料 (原 油 換 算)	"	275,182,974	137,385,989	350,857,913	71,081,047	8,153,563
石炭	"	193,463,628	...	180,559,105	34,972,956	-
タコークス(注2)	"	20,955,679	73,884,257	68,212,079	-	-
タコークス(注3)	"	1,318,145	2,602,011	1,856,496	-	-
コークス	"	3,292,335	22,182,744	18,288,047	2,490,363	-
高炉ガス	"	777,496	32,640,799	23,063,842	8,197,884	-
転炉ガス	"	178,962	4,241,244	3,056,327	1,023,324	-
電炉ガス	"	6,114	82,884	74,637	61,675	-
天然ガス	"	2,126,530	192,738	2,471,460	793,050	709,113
液化天然ガス	"	7,500,628	...	7,121,065	973,004	1,784,752
都市ガス(A)	"	20,141,466	...	20,140,969	4,146,707	5,659,080
都市ガス(B)	"	12,598,877	...	12,590,921	12,590,921	-
回収黒液	"	4,756,651	1,357,407	5,737,737	...	-
酸素	"	3,308,337	-	3,284,397	3,276,719	-
廃材	"	1,356,021	-	1,191,415	1,001,378	-
廃ヤク	"	1,796,793	201,906	1,762,278	172,665	-
廃プラスチック	"	1,605,311	-	1,447,139	1,380,400	619

注1. 原油にはNGL・コンデンセートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年4月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,219,275	6,760,102	5,223,567	235,606	1,617,285	8,788,549	Total (Crude petroleum equivalent) (Net)
5,200,586	3,916,415	1,182,272	101,898	70,023	1,503,205	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,376	348	Crude petroleum
4,206	...	4	4,202	3	1,744	Gasoline
2,664,590	2,662,125	2,465	-	247	598,551	Naphtha
1,165,343	1,165,343	-	-	1,502	4,254	Oil produced by conversion
14,058	389	10,842	2,827	81	15,458	Kerosene
22,814	15,628	273	6,913	31	9,983	Gas oils
137,467	29,321	97,637	10,509	2,270	251,640	Heavy Fuel oil total
23,509	-	18,659	4,850	794	56,323	Heavy Fuel oil A
113,958	29,321	78,978	5,659	1,476	195,317	Heavy Fuel oil B・C
69,332	34,345	34,323	664	387	16,427	Hydrocarbon oil
407,061	340,448	39,324	27,289	37,108	117,194	Liquefied petroleum gas
736,096	35,627	670,531	29,938	...	...	Hydrocarbon gas
123,586	46,953	75,994	639	17,927	595,896	Petroleum coke
-	-	-	-	-	-	Asphalt
30,784	-	29,044	1,740	-	8,882	Reproduction oil (Oil origin)
7,018,690	2,843,687	4,041,295	133,707	1,547,262	7,285,344	Non-oil based fuels (Crude petroleum equivalent)
5,244,646	3,716,866	1,524,405	3,375	519,075	7,935,773	Coal
2,352,140	42,697	2,303,352	6,091	833,141	1,948,715	Coal coke
49,772	49,772	-	-	54,679	46,970	Tar
778,211	528	740,555	37,128	347,583	...	Coke oven gas
4,164,134	-	3,759,477	404,657	2,816,176	...	Blast furnace gas
244,058	-	221,916	22,142	139,976	...	Converter furnace gas
1,556	-	1,556	-	1,724	...	Electric furnaces gas
22,807	6,021	14,892	1,894	901	24	Natural gas
79,768	21,690	54,377	3,701	13,110	57,380	Liquefied natural gas
231,578	-	193,968	37,610	...	...	Town gas(A)
251,464	-	211,125	40,340	...	...	Town gas(B)
-	-	-	-	-	3,125	Black liquor
805,862	-	732,428	73,434	31,370	1,325	Oxygen
449	-	414	35	563	44,269	Waste material
5,724	837	4,887	-	-	26,731	Used tires
54,253	19,798	32,317	2,138	4,153	35,580	Waste plastic
2,458	-	2,458	-	-	18,662	Refuse Paper & Plastic Fuel
472,885,980	261,615,964	202,152,050	9,117,966	62,588,941	340,116,844	Total (Crude petroleum equivalent) (Net)
201,262,676	151,565,259	45,753,933	3,943,485	2,709,905	58,174,020	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	82,685	12,845	Crude petroleum
140,480	...	134	140,347	100	58,250	Gasoline
88,730,847	88,648,763	82,085	-	8,225	19,931,748	Naphtha
39,272,059	39,272,059	-	-	50,617	143,360	Oil produced by conversion
513,135	14,199	395,751	103,186	2,957	564,219	Kerosene
866,929	593,864	10,374	262,691	1,178	379,354	Gas oils
5,678,075	1,225,618	4,027,152	425,306	92,583	10,355,314	Heavy Fuel oil total
914,524	-	725,855	188,669	30,887	2,191,044	Heavy Fuel oil A
4,763,551	1,225,618	3,301,297	236,636	61,697	8,164,271	Heavy Fuel oil B・C
2,773,280	1,373,800	1,372,920	26,560	15,480	657,080	Hydrocarbon oil
20,394,045	17,056,445	1,970,269	1,367,331	1,859,111	5,871,456	Liquefied petroleum gas
37,540,896	1,816,977	34,197,081	1,526,838	...	...	Hydrocarbon gas
4,115,414	1,563,535	2,530,600	21,279	596,969	19,843,337	Petroleum coke
-	-	-	-	-	-	Asphalt
1,237,517	-	1,167,569	69,948	-	357,056	Reproduction oil (Oil origin)
271,623,303	110,050,705	156,398,117	5,174,481	59,879,036	281,942,824	Non-oil based fuels (Crude petroleum equivalent)
145,586,149	104,895,073	40,602,989	88,088	14,278,302	217,297,481	Coal
68,212,079	1,238,213	66,797,227	176,639	24,161,089	56,512,751	Coal coke
1,856,496	1,856,496	-	-	2,039,527	1,751,981	Tar
15,797,683	10,718	15,033,267	753,698	7,055,935	...	Coke oven gas
14,865,958	-	13,421,333	1,444,625	10,053,748	...	Blast furnace gas
2,033,003	-	1,848,560	184,443	1,166,000	...	Converter furnace gas
12,961	-	12,961	-	14,361	...	Electric furnaces gas
969,298	255,893	632,910	80,495	38,293	1,020	Natural gas
4,363,310	1,186,443	2,974,422	202,445	717,117	3,138,686	Liquefied natural gas
10,335,182	-	8,677,225	1,657,956	...	...	Town gas
-	-	-	-	-	42,500	Black liquor
5,737,737	-	5,214,887	522,850	223,354	9,434	Oxygen
7,678	-	7,079	599	9,627	757,000	Waste material
190,037	27,788	162,248	-	-	887,469	Used tires
1,589,613	580,081	946,888	62,643	121,683	1,042,494	Waste plastic
66,120	-	66,120	-	-	502,008	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(April, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業

Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	975,030	999,997	918,687	46,374
石 油 系 燃 料 (原 油 換 算)	"	157,091	155,257	127,156	19
ガ ソ リ ン	"	6	7	...	...
灯 油	"	454	455	104	-
軽 油	"	326	311	4	5
重 油 計	"	46,496	49,884	30,838	14
A 重 油	"	5,008	4,858	4,177	14
B・C 重 油	"	41,488	45,026	26,661	-
炭 化 水 素 油	"	4,236	3,113	1,724	-
液 化 石 油 ガ ス	t	70,172	66,182	64,677	-
オ イ ル コ ー ク ス	"	10,295	10,894	8,552	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,322	2,629	1,144	-
非 石 油 系 燃 料 (原 油 換 算)	kl	817,939	844,740	791,531	46,355
石 炭	t	377,706	430,669	430,669	-
石 炭 コ ー ク ス	"	-	396	-	-
天 然 ガ ス	1000m ³	7,011	7,011	1,236	5,467
液 化 天 然 ガ ス	t	8,467	8,442	4,969	2,969
都 市 ガ ス (A)	1000m ³	64,254	64,254	28,240	31,367
都 市 ガ ス (B)	"	69,268	69,265	30,171	34,028
回 収 黒 液	絶乾(Dry)t	926,388	925,803	925,803	-
廃 材	"	193,308	191,908	191,621	-
廃 タ イ ヤ	t	18,532	14,231	14,231	-
廃 プ ラ ス チ ッ ク	"	6,685	5,893	5,893	-
R P F	"	54,740	48,895	48,872	23

② 化学繊維工業

Chemical fibers products industry

合 計 (原 油 換 算)	kl	176,947	180,240	129,112	38,719
石 油 系 燃 料 (原 油 換 算)	"	24,593	33,163	29,055	332
ガ ソ リ ン	"	5	5	...	...
灯 油	"	174	171	43	-
軽 油	"	14	14	-	6
重 油 計	"	16,397	16,477	13,135	324
A 重 油	"	3,483	3,976	3,187	324
B・C 重 油	"	12,914	12,501	9,948	-
炭 化 水 素 油	"	35	35	35	-
液 化 石 油 ガ ス	t	367	362	39	-
オ イ ル コ ー ク ス	"	7,496	17,409	17,409	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	152,354	147,077	100,057	38,387
石 炭	t	138,618	130,831	130,831	-
液 化 天 然 ガ ス	"	1,428	1,411	1,032	301
都 市 ガ ス (A)	1000m ³	49,552	49,552	9,372	32,818
都 市 ガ ス (B)	"	53,529	53,528	9,758	35,745
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年4月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
34,936	30,525	4,411	11,328	458,015	Total (Crude petroleum equivalent)
28,082	24,770	3,312	1,213	91,451	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	1	Gasoline
351	305	46	-	691	Kerosene
302	3	299	12	230	Gas oils
19,032	17,874	1,158	1,119	63,934	Heavy Fuel oil total
667	606	61	103	6,708	Heavy Fuel oil A
18,365	17,268	1,097	1,016	57,226	Heavy Fuel oil B・C
1,389	1,302	87	-	3,804	Hydrocarbon oil
1,505	853	652	-	10,367	Liquefied petroleum gas
2,342	1,814	528	-	3,307	Petroleum coke
-	-	-	-	-	Asphalt
1,485	1,163	322	-	1,754	Reproduction oil (Oil origin)
6,854	5,755	1,099	10,116	366,563	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	14,630	468,098	Coal
396	-	396	-	391	Coal coke
308	292	16	-	...	Natural gas
504	406	98	-	690	Liquefied natural gas
4,647	4,102	545	...	...	Town gas(A)
5,066	4,472	594	...	...	Town gas(B)
-	-	-	-	3,125	Black liquor
287	252	35	563	44,269	Waste material
-	-	-	-	17,869	Used tires
-	-	-	-	1,077	Waste plastic
-	-	-	-	18,411	Refuse Paper & Plastic Fuel
12,409	6,591	5,818	-	136,248	Total (Crude petroleum equivalent)
3,776	1,876	1,900	-	39,195	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
128	14	114	-	70	Kerosene
8	-	8	-	7	Gas oils
3,018	1,607	1,411	-	22,346	Heavy Fuel oil total
465	81	384	-	6,141	Heavy Fuel oil A
2,553	1,526	1,027	-	16,205	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
323	103	220	-	87	Liquefied petroleum gas
-	-	-	-	17,820	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
8,633	4,715	3,918	-	97,054	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	143,337	Coal
78	78	-	-	272	Liquefied natural gas
7,362	4,011	3,351	...	...	Town gas(A)
8,025	4,336	3,689	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(April, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	22,329	965,572	257,571	129,165
石 油 系 燃 料 (原 油 換 算)	"	-	927,123	245,135	123,531
ガ ソ リ ン	"	...	17	...	...
ナ フ サ	"	...	5,000	-	-
灯 油	"	...	1,732	80	1,613
軽 油	"	...	45	-	-
重 油 計	"	...	140,956	118,627	2,321
A 重 油	"	...	8,389	3,946	2,234
B・C 重 油	"	...	132,567	114,681	87
炭 化 水 素 油	"	...	37	37	-
液 化 石 油 ガ ス	t	...	24,801	503	10,013
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	547,228	76,129	80,972
オ イ ル コ ー ク ス	t	...	17,207	17,207	-
ア ス フ ァ ル ト	"	...	1,360	1,360	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	22,329	38,449	12,436	5,634
石 炭	t	-	16,660	16,660	-
天 然 ガ ス	1000m ³	-	4,448	172	-
液 化 天 然 ガ ス	t	15,530	15,530	448	3,986
都 市 ガ ス (A)	1000m ³	325	325	325	-
都 市 ガ ス (B)	"	356	356	356	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	32,060	31,476	500	1,734
石 油 系 燃 料 (原 油 換 算)	"	4,696	4,110	2	-
ガ ソ リ ン	"	-	-	...	...
灯 油	"	7	8	2	-
軽 油	"	3	2	-	-
重 油 計	"	3,928	3,395	-	-
A 重 油	"	360	270	-	-
B・C 重 油	"	3,568	3,125	-	-
液 化 石 油 ガ ス	t	46	44	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	396	382	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	27,364	27,366	499	1,734
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,400	5,401	25	297
都 市 ガ ス (A)	1000m ³	17,129	17,129	400	1,130
都 市 ガ ス (B)	"	18,579	18,579	436	1,237
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年4月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
578,836	71,553	477,545	29,738	Total (Crude petroleum equivalent)
558,457	60,761	468,858	28,837	Oil based fuels (Crude petroleum equivalent)
17	...	...	17	Gasoline
5,000	2,535	2,465	-	Naphtha
39	-	33	6	Kerosene
45	-	-	45	Gas oils
20,008	-	17,335	2,673	Heavy Fuel oil total
2,209	-	1,604	605	Heavy Fuel oil A
17,799	-	15,731	2,068	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
14,285	11,108	3,177	-	Liquefied petroleum gas
390,127	33,540	336,910	19,677	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
20,379	10,791	8,687	901	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
4,276	1,619	2,403	254	Natural gas
11,096	6,377	4,279	440	Liquefied natural gas
-	-	-	-	Town gas(A)
-	-	-	-	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
29,242	28,694	547	50	3,755	Total (Crude petroleum equivalent)
4,108	4,056	52	50	3,726	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
6	3	3	-	65	Kerosene
2	1	1	1	-	Gas oils
3,395	3,348	47	49	3,350	Heavy Fuel oil total
270	223	47	49	977	Heavy Fuel oil A
3,125	3,125	-	-	2,373	Heavy Fuel oil B・C
44	43	1	-	15	Liquefied petroleum gas
-	-	-	-	-	Asphalt
382	382	-	-	96	Reproduction oil (Oil origin)
25,133	24,639	495	-	30	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,079	5,079	-	-	21	Liquefied natural gas
15,599	15,171	428	...	...	Town gas(A)
16,906	16,440	466	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(April, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,252,049	602,495	5,943,796 5,349,953	658,189	110,435
石油系燃料（原油換算）	"	4,121,664	-	4,651,077	230,303	54,202
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ リ ン	"	15	...	17	...	...
ナ フ サ	"	2,746,298	...	2,659,590	-	-
改 質 生 成 油	"	1,163,339	...	1,165,343	...	...
灯 油	"	2,707	...	2,862	41	-
軽 油	"	14,713	...	15,950	-	-
重 油	"	86,633	...	86,290	47,202	737
A 重 油	"	4,506	...	4,307	1,845	732
B・C 重 油	"	82,127	...	81,983	45,357	5
炭 化 水 素 油	"	17,112	...	95,216	56,971	-
液 化 石 油 ガ ス	t	409,055	...	374,304	2,125	4,419
石油系炭化水素ガス（注2）	1000m ³	19,604	...	439,671	57,479	36,226
オ イ ル コ ー ク ス	t	69,665	...	83,557	46,375	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	2,183	-	2,183	2,053	-
非石油系燃料（原油換算）	kl	1,130,385	602,495	1,292,719	427,886	56,233
石 炭	t	1,294,100	-	1,456,610	542,723	-
石 炭 コ ー ク ス	"	13,289	613,594	12,515	...	-
タ ー ク ス	"	29,488	10,539	40,486	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,323	236,177	104,114	3,416	-
高 炉 ガ ス	"	104,183	-	104,183	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	35,767	4,535	39,445	16,492	9,077
液 化 天 然 ガ ス	t	70,160	...	58,883	8,333	18,511
都 市 ガ ス （ A ）	1000m ³	45,439	...	45,439	13,907	18,840
都 市 ガ ス （ B ）	"	47,235	...	47,236	14,806	18,927
廃 タ イ ヤ	t	16,932	-	15,931	15,931	-
廃 プ ラ ス チ ック	"	3,845	4,849	8,668	-	-
R P F	"	1,138	-	1,138	1,138	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	604,134	-	739,627 739,627	305,725	6,650
石油系燃料（原油換算）	"	162,556	-	158,809	15,610	1,069
ガ ソ リ ン	"	23	...	24	...	...
灯 油	"	1,581	...	1,592	165	-
軽 油	"	1,134	...	1,124	-	-
重 油	"	32,278	...	33,531	835	990
A 重 油	"	2,598	...	2,705	676	-
B・C 重 油	"	29,680	...	30,826	159	990
炭 化 水 素 油	"	20,814	...	20,053	-	-
液 化 石 油 ガ ス	t	1,482	...	1,461	-	-
オ イ ル コ ー ク ス	"	86,105	...	81,949	16,971	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	26,703	-	26,026	-	-
非石油系燃料（原油換算）	kl	441,578	-	580,818	290,115	5,581
石 炭	t	538,920	...	746,484	422,409	-
石 炭 コ ー ク ス	"	18,415	-	18,133	-	-
コ ー ク ス 炉 ガ ス	1000m ³	21,896	-	21,896	-	-
高 炉 ガ ス	"	2,100	-	2,100	-	-
転 炉 ガ ス	"	16,987	-	16,987	-	-
電 気 炉 ガ ス	"	734	-	734	-	-
天 然 ガ ス	"	10,095	-	10,095	3,548	5,082
液 化 天 然 ガ ス	t	43	-	43	-	-
都 市 ガ ス （ A ）	1000m ³	7,452	...	7,452	412	-
都 市 ガ ス （ B ）	"	8,048	...	8,048	405	-
廃 材	絶乾(Dry)t	162	-	162	-	-
廃 タ イ ヤ	t	5,359	-	4,887	-	-
廃 プ ラ ス チ ック	"	28,825	-	28,686	-	-
R P F	"	3,799	-	3,764	1,306	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。
2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年4月）

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration				払 出 Shipment	月末在庫 Inventory	Fuels
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,175,172	4,491,790	637,206	46,174	610,425	2,382,202	Total (Crude petroleum equivalent) (Net)
4,366,572	3,841,246	486,386	38,939	51,696	1,000,316	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,376	138	NGL・condensate
17	...	...	17	-	2	Gasoline
2,659,590	2,659,590	-	-	247	598,551	Naphtha
1,165,343	1,165,343	...	...	1,502	4,254	Oil produced by conversion
2,821	389	2,065	367	-	5,320	Kerosene
15,950	15,628	-	322	-	8,037	Gas oils
38,351	29,321	7,075	1,955	109	59,288	Heavy Fuel oil total
1,730	-	948	782	109	7,042	Heavy Fuel oil A
36,621	29,321	6,127	1,173	-	52,246	Heavy Fuel oil B・C
38,245	28,632	9,541	72	...	...	Hydrocarbon oil
367,760	329,340	21,026	17,394	37,023	80,337	Liquefied petroleum gas
345,966	2,087	333,618	10,261	...	...	Hydrocarbon gas
37,182	37,072	-	110	-	349,607	Petroleum coke
-	-	-	-	-	-	Asphalt
130	-	130	-	-	-	Reproduction oil (Oil origin)
808,600	650,544	150,820	7,235	558,729	1,381,886	Non-oil based fuels (Crude petroleum equivalent)
913,887	849,581	61,541	2,765	14,573	1,664,088	Coal
12,515	9,105	3,410	-	606,602	308,238	Coal coke
40,486	40,486	-	-	-	26,208	Tar
100,698	96	99,511	1,091	147,604	...	Coke oven gas
104,183	-	104,183	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
13,876	4,402	7,913	1,561	901	...	Natural gas
32,039	15,313	16,698	28	11,268	203	Liquefied natural gas
12,692	...	10,047	2,645	...	...	Town gas(A)
13,503	...	10,635	2,866	...	...	Town gas(B)
-	-	-	-	-	2,919	Used tires
8,668	6,865	1,803	-	-	745	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
427,252	9,541	410,303	7,409	1,991	768,786	Total (Crude petroleum equivalent) (Net)
142,130	4,796	133,099	4,235	1,961	201,987	Oil based fuels (Crude petroleum equivalent)
24	...	...	24	-	-	Gasoline
1,427	-	1,327	100	-	585	Kerosene
1,124	-	244	880	7	114	Gas oils
31,706	-	30,032	1,674	-	43,757	Heavy Fuel oil total
2,029	-	1,617	412	-	4,855	Heavy Fuel oil A
29,677	-	28,415	1,262	-	38,902	Heavy Fuel oil B・C
20,053	-	20,053	-	387	3,236	Hydrocarbon oil
1,461	-	1,361	100	-	193	Liquefied petroleum gas
64,978	5,574	59,403	1	1,806	168,489	Petroleum coke
-	-	-	-	-	-	Asphalt
26,026	-	24,730	1,296	-	5,633	Reproduction oil (Oil origin)
285,122	4,744	277,204	3,174	30	566,799	Non-oil based fuels (Crude petroleum equivalent)
324,075	828	322,637	610	31	807,014	Coal
18,133	5,586	12,495	52	12	15,000	Coal coke
21,896	-	21,896	-	-	...	Coke oven gas
2,100	-	2,100	-	-	...	Blast furnace gas
16,987	-	16,987	-	-	...	Converter furnace gas
734	-	734	-	-	...	Electric furnaces gas
1,465	-	1,465	-	-	...	Natural gas
43	-	3	40	-	-	Liquefied natural gas
7,040	...	4,686	2,354	...	...	Town gas(A)
7,643	...	5,132	2,511	...	...	Town gas(B)
162	-	162	-	-	-	Waste material
4,887	-	4,887	-	-	3,952	Used tires
28,686	-	28,686	-	-	10,207	Waste plastic
2,458	-	2,458	-	-	251	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(April, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,689,604	2,947,531	6,402,173	485,525	10,160
（ネット）	〃	-	-	3,456,188	-	-
石油系燃料（原油換算）	〃	104,296	-	84,739	11,461	2,030
ガソリン	〃	108	…	120	…	…
灯油	〃	7,293	…	7,072	169	-
軽油	〃	3,232	…	3,195	-	-
重油計	〃	25,475	…	23,941	8,511	1,889
A重油	〃	15,262	…	13,101	2,952	138
B・C重油	〃	10,213	…	10,840	5,559	1,751
炭化水素油	〃	8,504	…	5,713	-	-
液化石油ガス	t	18,133	…	18,072	1,800	-
石油系炭化水素ガス	1000m ³	3	…	3	-	-
オイルコークス	t	41,090	…	23,796	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	143	-	159	-	-
非石油系燃料（原油換算）	kl	4,585,308	2,947,531	6,317,434	474,064	8,130
コークス製造用炭（原料炭）	t	3,643,360	…	3,107,460	-	-
石炭	〃	1,309,801	…	1,150,921	194,208	-
石炭コークス	〃	680,932	1,934,139	2,312,989	…	-
ターナル	〃	5,851	59,220	9,286	-	-
コークス炉ガス	1000m ³	134,965	856,569	774,879	119,262	-
高炉ガス	〃	111,503	9,143,081	6,322,921	2,286,518	-
転炉ガス	〃	4,497	509,153	349,919	122,848	-
電気炉ガス	〃	-	9,950	8,226	7,404	-
天然ガス	〃	2,083	-	2,073	261	-
液化天然ガス	t	26,920	…	31,321	2,220	2,536
都市ガス（A）	1000m ³	174,135	…	174,135	32,885	3,924
都市ガス（B）	〃	190,176	…	190,169	35,913	4,280
酸素	1000Nm ³	668,069	190,647	805,862	…	-
廃材	絶乾(Dry)t	-	-	-	-	-
廃タイヤ	t	21	-	837	-	-
廃プラスチック	〃	23,798	2,042	18,702	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年4月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,906,489	2,196,013	3,606,196	104,279	993,491	5,313,016	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
71,248	14,241	43,108	13,899	15,104	150,184	Oil based fuels (Crude petroleum equivalent)
120	...	4	116	3	22	Gasoline
6,903	...	5,617	1,286	81	3,584	Kerosene
3,195	...	16	3,179	11	146	Gas oils
13,541	-	13,031	510	993	51,878	Heavy Fuel oil total
10,011	...	9,591	420	533	21,617	Heavy Fuel oil A
3,530	-	3,440	90	460	30,261	Heavy Fuel oil B・C
5,713	5,713	-	-	-	8,437	Hydrocarbon oil
16,272	-	9,364	6,908	85	24,687	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
23,796	9,688	14,108	-	16,121	59,138	Petroleum coke
-	-	-	-	-	-	Asphalt
159	-	159	-	-	636	Reproduction oil (Oil origin)
5,835,240	2,181,772	3,563,088	90,380	978,387	5,162,831	Non-oil based fuels (Crude petroleum equivalent)
3,107,460	2,816,025	291,435	-	260,873	3,633,502	Coal for making coke (material coal)
956,713	50,684	906,029	-	228,968	1,654,164	Coal
2,312,989	33,336	2,275,301	4,352	226,527	1,620,894	Coal coke
9,286	9,286	-	-	54,679	20,762	Tar
655,617	432	619,148	36,037	199,979	...	Coke oven gas
4,036,403	-	3,631,746	404,657	2,816,176	...	Blast furnace gas
227,071	-	204,929	22,142	139,976	...	Converter furnace gas
822	-	822	-	1,724	...	Electric furnaces gas
1,812	-	1,763	49	-	24	Natural gas
26,565	-	24,097	2,468	1,842	55,589	Liquefied natural gas
137,326	...	130,912	6,414	...	...	Town gas(A)
149,976	...	142,961	7,015	...	...	Town gas(B)
805,862	-	732,428	73,434	31,370	1,325	Oxygen
-	-	-	-	-	-	Waste material
837	837	-	-	-	2,298	Used tires
18,702	12,933	3,631	2,138	4,153	24,296	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(April, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	46,136	47,523	2,014	-
石 油 系 燃 料 (原 油 換 算)	"	21,993	20,771	691	-
ガ ソ リ ン	"	5	5	...	...
灯 油	"	1,445	1,326	29	-
軽 油	"	276	256	-	-
重 油	"	11,751	10,716	649	-
A 重 油	"	5,231	5,014	496	-
B・C 重 油	"	6,520	5,702	153	-
炭 化 水 素 油	"	3,766	3,931	-	-
液 化 石 油 ガ ス	t	559	559	-	-
オ イ ル コ ー ク ス	"	688	669	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,740	2,602	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	24,142	26,753	1,323	-
石 炭	t	2,073	4,304	-	-
石 炭	"	17,868	15,479	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	31,256	9,808	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	404	404	-	-
液 化 天 然 ガ ス	t	2,432	2,441	144	-
都 市 ガ ス (A)	1000m ³	4,894	4,894	182	-
都 市 ガ ス (B)	"	5,154	5,154	202	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	166,461	166,591	23,381	62,208
石 油 系 燃 料 (原 油 換 算)	"	20,931	21,102	4,023	179
ガ ソ リ ン	"	4,097	4,106	...	...
灯 油	"	2,681	2,616	648	-
軽 油	"	2,417	2,436	-	29
重 油	"	3,589	3,706	1,343	150
A 重 油	"	3,589	3,706	1,343	150
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	6,861	6,929	1,592	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	145,531	145,490	19,358	62,028
石 炭	t	-	-	-	-
石 炭	"	1,652	1,656	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	3,436	3,436	469	2,141
液 化 天 然 ガ ス	t	8,195	8,164	777	4,222
都 市 ガ ス (A)	1000m ³	111,732	111,732	15,300	46,198
都 市 ガ ス (B)	"	121,407	121,407	16,708	50,573
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

(令和3年4月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
45,509	42,417	3,092	27,936	Total (Crude petroleum equivalent)
20,079	18,280	1,800	9,688	Oil based fuels (Crude petroleum equivalent)
5	...	5	2	Gasoline
1,297	1,009	288	534	Kerosene
256	3	253	42	Gas oils
10,067	9,603	464	6,856	Heavy Fuel oil total
4,518	4,067	451	2,538	Heavy Fuel oil A
5,549	5,536	13	4,318	Heavy Fuel oil B・C
3,931	3,427	504	950	Hydrocarbon oil
559	435	124	78	Liquefied petroleum gas
669	669	-	59	Petroleum coke
-	-	-	-	Asphalt
2,602	2,480	122	763	Reproduction oil (Oil origin)
25,430	24,137	1,293	18,249	Non-oil based fuels (Crude petroleum equivalent)
4,304	4,304	-	13,244	Coal
15,479	14,188	1,291	12,229	Coal coke
-	-	-	...	Coke oven gas
21,448	21,448	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
404	404	-	...	Natural gas
2,297	2,067	230	108	Liquefied natural gas
4,712	4,712	-	...	Town gas(A)
4,952	4,952	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
81,003	43,229	37,774	19,839	Total (Crude petroleum equivalent)
16,900	5,796	11,104	19,107	Oil based fuels (Crude petroleum equivalent)
4,106	...	4,106	1,732	Gasoline
1,968	1,316	652	4,999	Kerosene
2,407	6	2,401	1,436	Gas oils
2,213	433	1,780	9,562	Heavy Fuel oil total
2,213	433	1,780	9,426	Heavy Fuel oil A
-	-	-	136	Heavy Fuel oil B・C
1	-	1	-	Hydrocarbon oil
5,337	3,177	2,160	1,440	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
64,104	37,434	26,670	732	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
1,656	1,656	-	40	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
826	812	14	...	Natural gas
3,165	2,629	536	497	Liquefied natural gas
50,234	27,266	22,968	...	Town gas(A)
54,125	29,741	24,385	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(April, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計 Total	購入電力(買電) Purchase	自 家 発 電		
			計 Total	火 力 Thermal	コージェネレーション Cogeneration
合 計(注1)	16,168,494	8,516,840	7,651,654	5,573,463	1,236,113
事業所重複分補正量	1,105,227	213,602	891,625	793,482	46,370
パルプ・紙・板紙工業	2,290,218	410,324	1,879,894	1,705,875	145,688
化学工業	3,362,541	1,420,536	1,942,005	1,466,091	313,155
化学繊維工業	529,952	191,369	338,583	208,970	127,071
石油製品工業	1,056,051	195,268	860,783	461,361	383,779
窯業・土石製品工業	1,504,199	335,177	1,169,022	1,038,116	20,904
ガラス製品工業	96,454	82,882	13,572	-	6,557
鉄鋼業(注2)	5,750,422	3,792,010	1,958,412	1,484,312	42,898
非鉄金属地金工業	497,375	361,251	136,124	2,216	-
機械工業	2,186,509	1,941,625	244,884	4	242,431

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計 Total	受 入 Receipts	蒸 気 発 生 Generation		
			計 Total	一次蒸気 Primary steam	一次蒸気 Other than コージェネレーション Cogeneration
合 計(注)	40,164,983	3,115,618	37,049,365	29,643,210	1,976,911
事業所重複分補正量	3,196,714	33,707	3,163,007	3,057,801	73,121
パルプ・紙・板紙工業	12,091,140	63,180	12,027,960	11,666,136	308,718
化学工業	13,176,222	2,182,823	10,993,399	8,220,861	687,785
化学繊維工業	1,680,338	107,588	1,572,750	1,342,184	222,478
石油製品工業	5,603,025	346,380	5,256,645	3,764,020	762,416
窯業・土石製品工業	4,078,132	8,354	4,069,778	3,833,201	38,294
ガラス製品工業	10,317	-	10,317	6,196	4,121
鉄鋼業	6,415,146	398,610	6,016,536	3,842,989	26,220
非鉄金属地金工業	307,377	42,390	264,987	25,424	-

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年4月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
212,159	629,919	14,367,097	1,801,397	Total
49,174	2,599	1,029,482	75,745	Duplication adjustment
23,240	5,091	2,033,591	256,627	Pulp,Paper,Paperboard industry
78,548	84,211	2,961,787	400,754	Chemical products industry
-	2,542	460,959	68,993	Chemical fibers products industry
...	15,643	772,293	283,758	Petroleum products industry
49,174	60,828	1,332,402	171,797	Ceramics,clay and stone products industry
7,006	9	96,403	51	Glass products industry
92	431,110	5,085,207	665,215	Iron and steel products industry
	(炉頂圧) 229,936			
103,273	30,635	470,547	26,828	Non-ferrous metals products industry
...	2,449	2,183,390	3,119	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,429,244	38,197,730	19,021,643	16,645,978	2,530,109	1,967,253	Total
32,085	3,117,761	973,453	2,143,255	1,053	78,953	Duplication adjustment
53,106	12,004,360	5,378,067	6,277,566	348,727	86,780	Pulp,Paper,Paperboard industry
2,084,753	11,878,185	7,509,941	3,906,908	461,336	1,298,037	Chemical products industry
8,088	1,654,273	927,286	690,856	36,131	26,065	Chemical fibers products industry
730,209	5,316,321	3,427,929	1,605,065	283,327	286,704	Petroleum products industry
198,283	3,993,523	809,614	3,175,804	8,105	84,609	Ceramics,clay and stone products industry
-	10,317	9,341	-	976	-	Glass products industry
2,147,327	6,151,798	1,809,991	3,102,338	1,239,469	263,348	Iron and steel products industry
239,563	306,714	122,927	30,696	153,091	663	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(April, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	595,847	584,899	194,176	252,597	138,126	2,567	8,382	119,383
石 油 系 燃 料 (原 油 換 算)	〃	28,082	27,066	23,680	3,167	219	622	394	3,776
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	351	311	7	302	2	20	20	128
軽 油	〃	302	273	159	63	51	6	23	8
重 油 計	〃	19,032	18,141	17,564	448	129	550	341	3,018
A 重 油	〃	667	323	5	197	121	3	341	465
B・C 重 油	〃	18,365	17,818	17,559	251	8	547	-	2,553
炭 化 水 素 油	〃	1,389	1,389	1,389	-	-	-	-	-
液 化 石 油 ガ ス	t	1,505	1,496	9	1,466	21	3	6	323
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,342	2,342	2,070	272	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,485	1,485	1,267	209	9	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,854	6,684	424	5,516	744	62	109	8,632
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	396	396	396	-	-	-	-	-
天 然 ガ ス	1000m ³	308	308	-	308	-	-	-	-
液 化 天 然 ガ ス	t	504	504	-	378	126	-	-	78
都 市 ガ ス (A)	1000m ³	4,647	4,493	-	4,013	480	53	101	7,362
都 市 ガ ス (B) (注 2)	〃	5,067	4,905	-	4,372	533	58	103	8,024
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	287	287	287	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh 気 t	2,033,591	1,959,264	541,893	941,514	475,857	10,794	63,533	460,959
		5,378,067	5,336,871	1,731,219	2,261,685	1,343,967	12,715	28,481	927,286

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	945,999	925,719	282,781	459,754	183,184	2,986	17,294	183,205
石 油 系 燃 料 (原 油 換 算)	〃	150,257	146,709	36,916	104,122	5,671	773	2,775	30,832
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	442	400	26	321	53	22	20	171
軽 油	〃	310	276	159	63	54	6	27	14
重 油 計	〃	47,044	44,041	25,840	13,173	5,028	649	2,355	14,848
A 重 油	〃	4,722	3,846	235	2,934	677	43	832	3,756
B・C 重 油	〃	42,322	40,194	25,604	10,239	4,351	606	1,523	11,092
炭 化 水 素 油	〃	2,976	2,849	2,034	815	-	-	128	30
液 化 石 油 ガ ス	t	65,983	65,939	9	65,909	21	38	6	362
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	9,253	9,253	5,668	3,585	-	-	-	16,732
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,515	2,412	1,782	475	155	-	103	-
非 石 油 系 燃 料 (原 油 換 算)	kl	751,314	736,489	239,255	331,092	166,142	1,306	13,518	127,134
石 炭	t	371,313	370,801	119,943	164,192	86,666	243	270	110,874
石 炭 コ ー ク ス	〃	396	396	396	-	-	-	-	-
天 然 ガ ス	1000m ³	6,874	6,874	1,808	4,531	535	-	-	-
液 化 天 然 ガ ス	t	7,072	6,845	-	983	5,862	228	-	1,272
都 市 ガ ス (A)	1000m ³	60,097	55,766	723	19,079	35,964	712	3,619	44,173
都 市 ガ ス (B) (注 2)	〃	64,744	60,060	792	20,185	39,083	735	3,949	47,607
回 収 黒 液	絶乾(Dry)t	858,224	839,435	365,384	435,029	39,022	-	18,789	-
廃 材	〃	156,757	153,456	39,127	52,317	62,012	81	3,218	-
廃 タ イ ヤ	t	12,040	11,566	3,373	4,885	3,308	-	474	-
廃 プ ラ ス チ ッ ク	〃	5,819	5,818	1,419	3,441	958	-	1	-
R P F	〃	41,284	40,256	8,028	14,049	18,179	6	1,022	-
電 蒸	力 1000kWh 気 t	430,654	412,569	71,059	224,546	116,964	7,326	10,759	191,369
		63,180	59,918	-	52,825	7,093	3,262	-	107,588

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年4月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
36,550	691	82,142	887,621	884,899	2,722	38,855	37,812	1,043	Total (Crude petroleum equivalent)
815	16	2,945	558,457	558,378	79	4,108	4,016	92	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	5,000	5,000	-	-	-	-	Naphtha
71	-	57	39	34	5	6	5	1	Kerosene
2	-	6	45	10	35	2	2	-	Gas oils
684	-	2,334	20,008	20,008	-	3,395	3,304	91	Heavy Fuel oil total
32	-	433	2,209	2,209	-	270	179	91	Heavy Fuel oil A
652	-	1,901	17,799	17,799	-	3,125	3,125	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
7	12	304	14,285	14,285	-	44	44	-	Liquefied petroleum gas
-	-	-	390,127	390,099	28	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	382	382	-	Reproduction oil (Oil origin)
545	10	8,078	20,379	20,379	-	25,133	24,969	164	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	4,276	4,276	-	-	-	-	Natural gas
78	-	-	11,096	11,096	-	5,079	5,079	-	Liquefied natural gas
374	8	6,980	-	-	-	15,599	15,458	141	Town gas(A)
409	9	7,606	-	-	-	16,906	16,752	154	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
116,483	3,630	340,846	772,293	750,905	21,388	96,403	87,948	8,455	Electricity
352,337	4,752	570,197	3,427,929	3,418,485	9,444	9,341	9,341	-	Steam

51,466	772	130,967	931,137	924,918	6,219	39,676	38,634	1,043	Total (Crude petroleum equivalent)
11,091	186	19,556	851,695	846,470	5,225	4,110	4,018	92	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	5,000	5,000	-	-	-	-	Naphtha
71	-	100	1,619	1,548	71	8	7	1	Kerosene
2	-	11	45	10	35	2	2	-	Gas oils
6,512	90	8,246	116,719	115,015	1,704	3,395	3,304	91	Heavy Fuel oil total
2,723	69	964	8,209	8,141	69	270	179	91	Heavy Fuel oil A
3,789	21	7,282	108,509	106,874	1,635	3,125	3,125	-	Heavy Fuel oil B・C
26	-	5	32	32	-	-	-	-	Hydrocarbon oil
7	12	343	23,763	23,618	145	44	44	-	Liquefied petroleum gas
-	-	-	518,471	516,934	1,537	-	-	-	Hydrocarbon gas
4,829	91	11,812	6,365	5,118	1,246	-	-	-	Petroleum coke
-	-	-	797	797	-	-	-	-	Asphalt
-	-	-	-	-	-	382	382	-	Reproduction oil (Oil origin)
26,699	86	100,350	37,336	37,118	218	27,209	27,045	164	Non-oil based fuels (Crude petroleum equivalent)
26,302	-	84,572	16,660	16,501	159	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	4,448	4,448	-	-	-	-	Natural gas
992	-	280	14,742	14,742	-	5,318	5,318	-	Liquefied natural gas
6,617	75	37,482	325	230	95	17,096	16,955	141	Town gas(A)
7,117	81	40,410	356	252	104	18,543	18,388	154	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
76,928	3,162	111,279	195,268	192,060	3,208	89,837	81,382	8,455	Electricity
94,328	2,995	10,265	346,380	339,468	6,912	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(April, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	5,969,784	4,945,641	4,770,886	3,801,848	969,038
石 油 系 燃 料 (原 油 換 算)	"	4,366,572	4,309,730	4,278,944	3,798,749	480,196
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	17	3	3	...	3
ナフサ	"	2,659,590	2,650,237	2,650,237	2,650,237	-
改質生成油	"	1,165,343	1,165,343	1,165,343	1,165,343	...
灯油	"	2,821	285	285	82	203
軽油	"	15,950	15,605	15,605	15,604	1
重油	"	38,351	30,703	30,703	29,212	1,491
A重油	"	1,730	436	436	-	436
B・C重油	"	36,621	30,267	30,267	29,212	1,055
炭化水素油	"	38,245	34,199	34,199	26,679	7,520
液化石油ガス	t	367,760	350,686	350,504	329,687	20,817
石油系炭化水素ガス	1000m ³	345,966	343,996	338,312	1,621	336,691
オイルコークス	t	37,182	26,873	74	74	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	130	-	-	-	-
非石油系燃料(原油換算)	kl	808,599	56,162	26,081	3,100	22,981
石炭	t	913,887	150	-	-	-
石炭コークス	"	12,515	2,708	-	...	-
タール	"	40,486	-	-	-	-
コークス炉ガス	1000m ³	100,698	1,110	93	-	93
高炉ガス	"	104,183	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	13,876	6,288	6,046	-	6,046
液化天然ガス	t	32,039	24,716	10,066	2,193	7,873
都市ガス(A)	1000m ³	12,692	6,994	4,501	...	4,501
都市ガス(B)	"	13,503	7,475	4,863	...	4,863
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	8,668	4,849	-	-	-
RPF	"	-	-	-	-	-
電蒸	力気	2,961,787	1,939,009	1,039,314	...	1,039,314
蒸気	t	7,509,941	5,777,885	5,341,043	...	5,341,043

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,084,454	4,942,427	4,715,382	3,801,848	913,534
石 油 系 燃 料 (原 油 換 算)	"	4,560,999	4,465,816	4,421,877	3,798,749	623,128
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	17	3	3	...	3
ナフサ	"	2,659,590	2,650,237	2,650,237	2,650,237	-
改質生成油	"	1,165,343	1,165,343	1,165,343	1,165,343	-
灯油	"	2,842	305	305	82	223
軽油	"	15,950	15,605	15,605	15,604	1
重油	"	68,252	54,129	50,890	29,212	21,678
A重油	"	3,561	2,012	1,569	-	1,569
B・C重油	"	64,690	52,118	49,320	29,212	20,108
炭化水素ガス	"	73,962	68,565	68,360	26,679	41,681
液化石油ガス	t	370,944	353,835	353,595	329,687	23,908
石油系炭化水素ガス	1000m ³	417,924	399,927	391,507	1,621	389,886
オイルコークス	t	65,364	44,823	11,290	74	11,216
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	2,183	2,053	2,053	-	2,053
非石油系燃料(原油換算)	kl	1,233,719	259,893	122,724	3,100	119,624
石炭	t	1,386,772	197,697	61,283	-	61,283
石炭コークス	"	12,515	2,708	-	-	-
タール	"	40,486	-	-	-	-
コークス炉ガス	1000m ³	104,074	2,010	347	-	347
高炉ガス	"	104,183	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	39,074	15,139	9,030	-	9,030
液化天然ガス	t	52,921	42,989	26,423	2,193	24,230
都市ガス(A)	1000m ³	43,979	27,094	19,511	-	19,511
都市ガス(B)	"	45,654	27,616	19,637	-	19,637
廃プラスチック	t	14,339	14,339	14,339	-	14,339
廃プラスチック	"	8,668	4,849	-	-	-
RPF	"	1,138	1,138	1,138	-	1,138
電蒸	力気	1,492,703	1,005,561	560,345	-	560,345
蒸気	t	2,182,823	1,782,042	1,716,630	-	1,716,630

(令和3年4月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products		動力・燃料用等 For driving power, fuels	アンモニア及び アンモニア誘導品			
原料用 as Materials						
79,264	44,467	34,798		95,491	1,024,142	Total (Crude petroleum equivalent)
30,786	23,060	7,726		-	56,841	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	14	Gasoline
-	-	-	-	-	9,353	Naphtha
-	-	Oil produced by conversion
-	-	-	-	-	2,536	Kerosene
-	-	-	-	-	345	Gas oils
-	-	-	-	-	7,648	Heavy Fuel oil total
-	-	-	-	-	1,294	Heavy Fuel oil A
-	-	-	-	-	6,354	Heavy Fuel oil B・C
-	-	-	-	-	4,046	Hydrocarbon oil
182	-	182	-	-	17,074	Liquefied petroleum gas
5,684	-	5,684	-	-	1,970	Hydrocarbon gas
26,799	26,799	-	-	-	10,309	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	130	Reproduction oil (Oil origin)
27,731	21,407	6,324	2,351	752,437	Non-oil based fuels (Crude petroleum equivalent)	
150	150	-	-	913,737	Coal	
-	...	-	2,708	9,807	Coal coke	
-	-	-	-	40,486	Tar	
1,017	-	1,017	-	99,588	Coke oven gas	
-	-	-	-	104,183	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
96	96	-	146	7,588	Natural gas	
14,566	12,402	2,164	84	7,323	Liquefied natural gas	
2,454	...	2,454	39	5,698	Town gas(A)	
2,572	...	2,572	40	6,027	Town gas(B)	
-	-	-	-	-	Used tires	
4,849	4,849	-	-	3,819	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
72,549	...	72,549	827,146	1,022,778	Electricity	
202,528	...	202,528	234,314	1,732,056	Steam	
82,577	44,467	38,110	144,468	1,142,028	Total (Crude petroleum equivalent)	
37,592	23,060	14,532	6,347	95,183	Oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	Crude petroleum	
-	-	-	-	-	Natural gas liquids	
-	-	-	-	-	14	Gasoline
-	-	-	-	-	9,353	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	0	2,537	Kerosene	
-	-	-	-	345	Gas oils	
1,649	-	1,649	1,591	14,122	Heavy Fuel oil total	
80	-	80	362	1,550	Heavy Fuel oil A	
1,568	-	1,568	1,229	12,573	Heavy Fuel oil B・C	
43	-	43	162	5,397	Hydrocarbon oil	
182	-	182	58	17,109	Liquefied petroleum gas	
8,407	-	8,407	12	17,997	Hydrocarbon gas	
28,423	26,799	1,624	5,109	20,541	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	-	130	Reproduction oil (Oil origin)	
38,652	21,407	17,245	98,517	973,827	Non-oil based fuels (Crude petroleum equivalent)	
8,722	150	8,572	127,692	1,189,075	Coal	
-	-	-	2,708	9,807	Coal coke	
-	-	-	-	40,486	Tar	
1,664	-	1,664	-	102,064	Coke oven gas	
-	-	-	-	104,183	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
3,545	96	3,449	2,563	23,936	Natural gas	
15,241	12,402	2,839	1,325	9,933	Liquefied natural gas	
2,508	-	2,508	5,075	16,885	Town gas(A)	
2,628	-	2,628	5,351	18,038	Town gas(B)	
-	-	-	-	-	Used tires	
4,849	4,849	-	-	3,819	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
43,024	-	43,024	402,192	487,142	Electricity	
33,716	-	33,716	31,697	400,781	Steam	

(April, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計 (原油換算)	kl	607,159	463,050	372,205	321,293	50,912
石油系燃料 (原油換算)	"	142,130	129,897	88,421	87,392	1,030
ガソリン	"	24	19	12	...	12
灯油	"	1,427	702	200	161	39
軽油	"	1,124	599	490	192	298
重油計	"	31,706	29,794	1,539	1,104	435
A重油	"	2,029	1,421	645	553	92
B・C重油	"	29,677	28,373	894	551	343
炭化水素油	"	20,053	20,053	19,322	19,144	178
液化石油ガス	t	1,461	226	1	-	1
オイルコークス	"	64,978	59,048	53,049	53,049	-
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	26,026	23,804	19,743	19,703	40
非石油系燃料 (原油換算)	kl	285,123	277,035	235,984	233,901	2,083
石炭	t	324,075	322,249	310,373	309,763	610
石炭コークス	"	18,133	11,793	-	-	-
コークス炉ガス	1000m ³	21,896	21,896	132	-	132
高炉ガス	"	2,100	2,100	97	-	97
転炉ガス	"	16,987	16,987	3,243	-	3,243
電気炉ガス	"	734	734	-	-	-
天然ガス	"	1,465	1,465	-	-	-
液化天然ガス	t	43	43	-	-	-
都市ガス (A)	1000m ³	7,040	6,191	1,392	588	804
都市ガス (B)	"	7,644	6,729	1,487	644	843
廃材	絶乾(Dry)t	162	162	162	162	-
廃タイヤ	t	4,887	4,887	4,887	4,887	-
廃プラスチック	"	28,686	27,189	26,378	26,378	-
RPF	"	2,458	2,458	104	104	-
電	力 1000kWh	1,332,402	549,916	479,701	...	479,701
蒸	気 t	809,614	71,775	45,948	...	45,948

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計 (原油換算)	kl	734,487	502,779	412,322	321,293	91,030
石油系燃料 (原油換算)	"	158,263	145,501	103,120	87,392	15,728
ガソリン	"	24	19	12	-	12
灯油	"	1,592	867	200	161	39
軽油	"	1,124	599	490	192	298
重油計	"	33,044	30,718	1,739	1,104	635
A重油	"	2,678	2,044	780	553	227
B・C重油	"	30,366	28,673	958	551	407
炭化水素油	"	20,053	20,053	19,322	19,144	178
液化石油ガス	t	1,461	226	1	-	1
オイルコークス	"	81,922	75,894	69,892	53,049	16,843
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	26,026	23,804	19,743	19,703	40
非石油系燃料 (原油換算)	kl	539,915	333,136	291,714	233,901	57,813
石炭	t	686,675	396,585	384,460	309,763	74,697
石炭コークス	"	18,133	11,793	-	-	-
コークス炉ガス	1000m ³	21,896	21,896	132	-	132
高炉ガス	"	2,100	2,100	97	-	97
転炉ガス	"	16,987	16,987	3,243	-	3,243
電気炉ガス	"	734	734	-	-	-
天然ガス	"	10,095	6,421	4,896	-	4,896
液化天然ガス	t	43	43	-	-	-
都市ガス (A)	1000m ³	7,410	6,323	1,392	588	804
都市ガス (B)	"	8,003	6,857	1,486	644	843
廃材	絶乾(Dry)t	162	162	162	162	-
廃タイヤ	t	4,887	4,887	4,887	4,887	-
廃プラスチック	"	28,686	27,189	26,378	26,378	-
RPF	"	3,017	3,017	663	104	559
電	力 1000kWh	384,351	255,944	187,508	-	187,508
蒸	気 t	8,043	4,817	663	-	663

(令和3年4月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
27,796	23,654	4,142	63,049	144,110	Total (Crude petroleum equivalent)	
19,128	18,875	253	22,348	12,233	Oil based fuels (Crude petroleum equivalent)	
2	...	2	5	5	Gasoline	
26	-	26	476	725	Kerosene	
3	-	3	106	525	Gas oils	
17,419	17,324	95	10,836	1,912	Heavy Fuel oil total	
95	-	95	681	608	Heavy Fuel oil A	
17,324	17,324	-	10,155	1,304	Heavy Fuel oil B・C	
-	-	-	731	-	Hydrocarbon oil	
225	126	99	-	1,235	Liquefied petroleum gas	
-	-	-	5,999	5,930	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,061	2,222	Reproduction oil (Oil origin)	
5,159	4,779	380	35,892	8,088	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	11,876	1,826	Coal	
-	-	-	11,793	6,340	Coal coke	
-	-	-	21,764	-	Coke oven gas	
-	-	-	2,003	-	Blast furnace gas	
-	-	-	13,744	-	Converter furnace gas	
-	-	-	734	-	Electric furnace gas	
791	791	-	674	-	Natural gas	
40	-	40	3	-	Liquefied natural gas	
3,581	3,290	291	1,218	849	Town gas(A)	
3,987	3,682	305	1,255	915	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	811	1,497	Waste plastic	
-	-	-	2,354	-	Refuse Paper & Plastic Fuel	
28,927	...	28,927	41,288	782,486	Electricity	
11,828	...	11,828	13,999	737,839	Steam	
27,373	23,653	3,719	63,084	231,707	Total (Crude petroleum equivalent)	
19,355	18,875	480	23,026	12,762	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	5	Gasoline	
103	-	103	564	725	Kerosene	
3	-	3	106	525	Gas oils	
17,562	17,324	238	11,417	2,326	Heavy Fuel oil total	
96	-	96	1,168	633	Heavy Fuel oil A	
17,466	17,324	142	10,249	1,693	Heavy Fuel oil B・C	
-	-	-	731	-	Hydrocarbon oil	
225	126	99	-	1,235	Liquefied petroleum gas	
-	-	-	6,002	6,028	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,061	2,222	Reproduction oil (Oil origin)	
5,206	4,778	428	36,216	206,778	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	12,125	290,090	Coal	
-	-	-	11,793	6,340	Coal coke	
-	-	-	21,764	-	Coke oven gas	
-	-	-	2,003	-	Blast furnace gas	
-	-	-	13,744	-	Converter furnace gas	
-	-	-	734	-	Electric furnace gas	
791	791	-	734	3,674	Natural gas	
40	-	40	3	-	Liquefied natural gas	
3,624	3,290	334	1,307	1,087	Town gas(A)	
4,031	3,681	350	1,340	1,146	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	811	1,497	Waste plastic	
-	-	-	2,354	-	Refuse Paper & Plastic Fuel	
28,121	-	28,121	40,315	128,407	Electricity	
2,831	-	2,831	1,323	3,226	Steam	

(April, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,300,436	4,875,546	354,946	17,503	2,592,121	57,958	298,618	169,557	
石 油 系 燃 料 (原 油 換 算)	"	84,739	67,694	78	119	13,512	2,750	8,792	6,874	
ガ ソ リ ン	"	120	40	-	-	-	-	-	-	
灯 油	"	7,072	6,946	-	-	-	38	744	28	
軽 油	"	3,195	1,724	-	-	2	38	135	134	
重 油 計	"	23,941	23,762	-	110	420	2,228	1,532	403	
A 重 油	"	13,101	12,922	-	-	41	322	1,388	403	
B・C 重 油	"	10,840	10,840	-	110	379	1,906	144	-	
炭 化 水 素 油	"	5,713	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	18,072	17,306	-	-	771	126	4,922	4,875	
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	23,796	14,108	91	-	14,017	-	-	-	
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	159	159	-	-	-	126	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,317,433	3,965,365	321,291	15,270	2,518,098	40,064	142,736	110,783	
コークス製造用炭(原料炭)	t	3,107,460	291,435	-	-	291,435	-	-	-	
石 炭	"	1,150,921	1,150,921	105,614	11,829	774,059	28,977	36,234	32,499	
石 炭 コ ー ク ス	"	2,312,989	2,297,939	317,102	8,812	1,925,192	25,492	16,493	4,197	
タ ー ク ル	"	9,286	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	774,879	620,798	20,806	1,313	83,934	259	29,628	28,339	
高 炉 ガ ス	"	6,322,921	5,027,064	9,140	-	2,189,674	119	422	377	
転 炉 ガ ス	"	349,919	302,817	1,054	-	88,614	173	1,472	1,412	
電 気 炉 ガ ス	"	8,226	8,226	-	-	-	822	-	-	
天 然 ガ ス	"	2,073	2,069	-	-	-	-	238	-	
液 化 天 然 ガ ス	t	31,321	31,310	-	-	-	138	399	-	
都 市 ガ ス (A)	1000m ³	174,135	168,501	394	-	4,550	96	8,581	2,817	
都 市 ガ ス (B)	"	190,168	184,005	431	-	4,983	105	9,366	3,091	
酸 素	1000Nm ³	805,862	805,637	...	...	344,171	4,084	425,422	359,993
絶 乾 (Dry) t	t	-	-	-	-	-	-	-	-	
タ イ ヤ	t	837	837	-	-	-	-	837	837	
プ ラ ス チ ッ ク	"	18,702	3,104	-	-	2,729	-	375	375	
R P F	"	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,085,207	4,761,721	349,403	22,103	403,508	160,696	1,379,049	378,300	
蒸 気	気 t	6,151,798	5,780,204	15,533	845	332,389	2,833	272,077	241,742	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,642,613	4,214,427	366,915	19,913	2,620,520	61,012	319,143	184,545
石 油 系 燃 料 (原 油 換 算)	"	82,662	64,761	648	137	15,267	4,522	10,030	7,875
ガ ソ リ ン	"	120	40	-	-	-	-	-	-
灯 油	"	7,021	6,895	-	-	-	38	775	28
軽 油	"	3,195	1,724	-	-	2	38	135	134
重 油 計	"	22,370	21,648	448	110	1,680	3,867	2,481	1,144
A 重 油	"	11,950	11,698	64	-	228	401	1,812	619
B・C 重 油	"	10,420	9,950	384	110	1,452	3,466	669	525
炭 化 水 素 油	"	5,713	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	17,749	16,770	70	14	1,087	132	5,089	5,042
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	23,796	14,108	91	-	14,017	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	159	159	-	-	-	126	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,179,647	3,794,399	344,677	19,702	2,578,407	43,373	193,409	151,797
コークス製造用炭(原料炭)	t	3,107,460	291,435	-	-	291,435	-	-	-
石 炭	"	1,082,040	1,068,182	109,778	13,539	792,260	29,762	58,383	46,154
石 炭 コ ー ク ス	"	2,312,989	2,297,939	317,102	8,812	1,925,192	25,492	16,493	4,197
タ ー ク ル	"	9,286	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	744,859	581,355	28,800	2,383	99,007	751	41,612	39,646
高 炉 ガ ス	"	5,677,097	4,219,894	144,961	28,461	2,543,621	13,193	233,008	225,744
転 炉 ガ ス	"	318,583	264,880	8,145	329	102,184	324	12,806	11,767
電 気 炉 ガ ス	"	8,226	6,933	-	-	-	6,739	-	-
天 然 ガ ス	"	2,073	2,069	-	-	-	-	238	-
液 化 天 然 ガ ス	t	30,073	29,901	150	-	206	138	994	343
都 市 ガ ス (A)	1000m ³	167,618	160,197	2,221	19	8,236	105	12,644	4,866
都 市 ガ ス (B)	"	183,106	174,985	2,424	20	8,998	114	13,804	5,323
酸 素	1000Nm ³	805,862	805,637	...	...	344,171	4,084	425,422	359,993
絶 乾 (Dry) t	t	-	-	-	-	-	-	-	-
タ イ ヤ	t	837	837	-	-	-	-	837	837
プ ラ ス チ ッ ク	"	18,702	3,104	-	-	2,729	-	375	375
R P F	"	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,792,075	3,564,237	228,176	403	246,304	139,392	1,217,135	242,734
蒸 気	気 t	398,610	343,023	5,280	529	56,920	2,168	35,911	33,170

(令和3年4月)

(鉄鋼製品 Iron and steel products)									Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others	コークス Coke	その他の製品 Others		
129,060	14,488	4,548	506,433	769,196	259,736	2,382,179	42,711	Total	
1,917	2,093	2,051	13,349	13,472	11,479	14,262	2,783	(Crude petroleum equivalent)	
-	-	-	1	-	39	-	80	Oil based fuels	
716	523	895	3,157	168	1,421	2	124	(Crude petroleum equivalent)	
1	52	10	7	-	1,480	19	1,452	Gasoline	
1,129	1,420	461	4,727	10,439	2,425	-	179	Kerosene	
985	1,420	457	3,814	3,129	2,351	-	179	Gas oils	
144	-	4	913	7,310	74	-	-	Heavy Fuel oil total	
-	-	-	-	-	-	5,713	-	Heavy Fuel oil A	
47	94	566	4,277	1,756	4,794	-	766	Heavy Fuel oil B・C	
-	-	-	3	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	9,688	-	Liquefied petroleum gas	
33	-	-	-	-	-	-	-	Hydrocarbon gas	
31,953	7,964	806	337,291	509,717	72,129	2,337,877	14,192	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
3,735	-	-	-	194,208	-	-	-	Reproduction oil (Oil origin)	
12,296	-	2	-	-	4,846	14,558	492	Non-oil based fuels	
-	-	-	-	-	-	9,286	-	(Crude petroleum equivalent)	
1,289	375	29	329,955	125,982	28,517	146,647	7,434	Coal for making coke (material coal)	
45	266	-	135,820	2,505,520	186,103	1,293,776	2,081	Coal	
60	356	-	77,601	126,384	7,163	31,588	15,514	Coal coke	
-	-	-	-	7,404	-	-	-	Tar	
238	138	-	1,248	261	184	-	4	Coke oven gas	
399	1,645	147	20,621	4,633	3,727	-	11	Blast furnace gas	
5,764	4,419	467	88,431	39,618	21,945	607	5,027	Converter furnace gas	
6,275	4,838	508	96,463	43,214	24,097	665	5,498	Electric furnace gas	
65,429	277	227	10,976	...	20,480	...	225	Natural gas	
-	-	-	-	-	-	-	-	Liquefied natural gas	
-	-	-	-	-	-	-	-	Town gas(A)	
-	-	-	-	-	-	15,598	-	Town gas(B)	
-	-	-	-	-	-	-	-	Oxygen	
1,000,749	46,860	17,358	1,330,631	103,197	948,916	159,288	164,198	Waste material	
30,335	1,048	1,103	463,150	3,420,166	1,271,060	220,245	151,349	Used Tires	
-	-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
-	-	-	-	-	-	-	-	Electricity	
-	-	-	-	-	-	-	-	Steam	
134,598	14,556	4,564	537,680	-	270,124	2,377,575	50,611	Total	
2,155	2,095	2,057	15,555	-	14,450	14,487	3,415	(Crude petroleum equivalent)	
-	-	-	1	-	39	-	80	Oil based fuels	
747	523	895	3,160	-	1,504	2	124	(Crude petroleum equivalent)	
1	52	10	7	-	1,480	19	1,452	Gasoline	
1,337	1,421	467	6,460	-	4,713	153	569	Kerosene	
1,193	1,421	463	4,370	-	2,938	1	251	Gas oils	
144	-	4	2,090	-	1,775	152	318	Heavy Fuel oil total	
-	-	-	-	-	-	5,713	-	Heavy Fuel oil A	
47	94	566	4,565	-	5,153	46	932	Heavy Fuel oil B・C	
-	-	-	3	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	9,688	-	Liquefied petroleum gas	
-	-	-	-	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	-	-	Petroleum coke	
33	-	-	-	-	-	-	-	Asphalt	
41,612	8,068	832	426,497	-	179,434	2,351,184	34,064	Reproduction oil (Oil origin)	
-	-	-	-	-	-	2,815,366	659	Non-oil based fuels	
12,228	-	-	30,842	-	33,618	1,855	12,003	(Crude petroleum equivalent)	
12,296	-	2	-	-	4,846	14,558	492	Coal for making coke (material coal)	
-	-	-	-	-	-	9,286	-	Coal	
1,966	376	29	351,134	-	57,264	152,451	11,052	Coal coke	
7,264	270	-	544,055	-	712,323	1,365,158	92,046	Tar	
1,038	356	-	102,157	-	38,581	36,030	17,673	Coke oven gas	
-	-	-	-	-	194	-	1,293	Blast furnace gas	
238	138	-	1,476	-	217	-	4	Converter furnace gas	
651	1,718	147	21,639	-	4,909	128	45	Electric furnace gas	
7,778	4,419	489	99,349	-	32,716	1,716	5,705	Natural gas	
8,481	4,838	533	108,387	-	35,866	1,879	6,242	Liquefied natural gas	
65,429	277	227	10,976	...	20,480	...	225	Town gas(A)	
-	-	-	-	-	-	-	-	Town gas(B)	
-	-	-	-	-	-	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	15,598	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
974,400	46,476	17,252	985,561	-	683,539	111,703	116,135	Electricity	
2,741	1,002	1,008	57,108	-	183,096	21,901	33,686	Steam	

(April, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper 溶錬工程 Fusing and mixing process		電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	97,778	85,300	29,038	22,253	6,784	6,771	6,073	698	
石油系燃料 (原油換算)	"	20,079	17,792	6,396	6,396	-	737	376	361	
ガソリン	"	5	5	-	-	-	-	-	-	
灯油	"	1,297	315	104	104	-	-	-	-	
軽油	"	256	108	4	4	-	-	-	-	
重油計	"	10,067	9,486	4,484	4,484	-	518	255	263	
A重油	"	4,518	3,950	467	467	-	518	255	263	
B・C重油	"	5,549	5,536	4,017	4,017	-	-	-	-	
炭化水素油	"	3,931	3,427	528	528	-	-	-	-	
液化石油ガス	t	559	474	351	351	-	1	-	1	
オイルコークス	"	669	669	564	564	-	105	105	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,602	2,602	-	-	-	120	28	92	
非石油系燃料 (原油換算)	kl	25,430	25,023	3,595	3,595	-	4,890	4,890	-	
石炭	t	4,304	4,304	4,166	4,166	-	125	125	-	
石炭コークス	"	15,479	15,463	614	614	-	5,639	5,639	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	21,448	21,448	-	-	-	5,610	5,610	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	404	404	-	-	-	-	-	-	
液化天然ガス	t	2,297	2,297	230	230	-	44	44	-	
都市ガス (A)	1000m ³	4,712	4,372	-	-	-	-	-	-	
都市ガス (B)	"	4,952	4,580	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	470,547 122,927	388,555 91,734	151,176 72,108	95,171 49,331	56,005 22,777	11,126 1,577	7,602 1,450	3,524 127	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	91,151	79,393	23,049	17,913	5,136	6,822	6,122	700
石油系燃料 (原油換算)	"	20,745	18,247	6,609	6,555	54	768	405	363
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,326	344	133	104	29	-	-	-
軽油	"	256	108	4	4	-	-	-	-
重油計	"	10,690	9,900	4,657	4,633	25	549	284	265
A重油	"	4,988	4,211	487	482	5	549	284	265
B・C重油	"	5,702	5,689	4,170	4,150	20	-	-	-
炭化水素油	"	3,931	3,427	528	528	-	-	-	-
液化石油ガス	t	559	474	351	351	-	1	-	1
オイルコークス	"	669	669	564	564	-	105	105	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,602	2,602	-	-	-	120	28	92
非石油系燃料 (原油換算)	kl	26,624	25,806	3,595	3,595	-	5,040	5,040	-
石炭	t	4,304	4,304	4,166	4,166	-	125	125	-
石炭コークス	"	15,479	15,463	614	614	-	5,639	5,639	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	30,113	27,308	-	-	-	6,940	6,940	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	404	404	-	-	-	-	-	-
液化天然ガス	t	2,424	2,383	230	230	-	64	64	-
都市ガス (A)	1000m ³	4,894	4,473	-	-	-	-	-	-
都市ガス (B)	"	5,155	4,694	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	439,160 42,390	364,920 20,179	130,724 9,913	81,322 2,877	49,402 7,035	10,584 427	7,060 299	3,524 128

(令和3年4月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
24,409	16,499	7,910	10,427	12,623	2,033	12,478	Total (Crude petroleum equivalent)	
1,038	502	536	1,614	7,672	336	2,287	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
4	4	-	124	77	6	982	Kerosene	
7	7	-	18	79	-	148	Gas oils	
902	466	436	1,348	2,116	118	581	Heavy Fuel oil total	
646	210	436	321	1,880	118	568	Heavy Fuel oil A	
256	256	-	1,027	236	-	13	Heavy Fuel oil B・C	
-	-	-	-	2,899	-	504	Hydrocarbon oil	
2	2	-	34	83	3	85	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
94	-	94	-	2,188	200	-	Reproduction oil (Oil origin)	
9,319	2,604	6,715	3,201	3,813	205	407	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	13	-	Coal	
9,205	2,543	6,662	-	-	5	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
15,838	626	15,212	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	404	-	-	-	Natural gas	
631	405	226	292	966	134	-	Liquefied natural gas	
57	57	-	1,991	2,321	3	340	Town gas(A)	
64	64	-	2,208	2,305	3	372	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
146,613	142,464	4,149	60,149	12,232	7,259	81,992	Electricity	
5,999	2,039	3,960	231	-	11,819	31,193	Steam	
24,578	16,521	8,057	10,436	12,624	1,883	11,758	Total (Crude petroleum equivalent)	
1,176	547	630	1,614	7,672	408	2,498	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
4	4	-	124	77	6	982	Kerosene	
7	7	-	18	79	-	148	Gas oils	
1,040	511	529	1,348	2,116	189	791	Heavy Fuel oil total	
784	255	529	321	1,880	189	778	Heavy Fuel oil A	
256	256	-	1,027	236	-	13	Heavy Fuel oil B・C	
-	-	-	-	2,899	-	504	Hydrocarbon oil	
2	2	-	34	83	3	85	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
94	-	94	-	2,188	200	-	Reproduction oil (Oil origin)	
9,929	2,723	7,206	3,201	3,814	227	819	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	13	-	Coal	
9,205	2,543	6,662	-	-	5	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
20,217	660	19,556	-	-	152	2,805	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	404	-	-	-	Natural gas	
695	406	290	292	966	136	41	Liquefied natural gas	
154	154	-	1,991	2,321	6	421	Town gas(A)	
173	173	-	2,207	2,306	7	461	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
144,829	142,446	2,383	60,149	12,232	6,402	74,240	Electricity	
-	-	-	385	-	9,454	22,211	Steam	

(April, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	284,109	202,508	3,473	5,123	22,700
石油系燃料（原油換算）	〃	16,900	10,225	608	1,258	189
ガソリン	〃	4,106	2,449	-	2	1
灯油	〃	1,968	1,026	21	129	17
軽油	〃	2,407	571	275	4	1
重油計	〃	2,213	1,516	1	1,075	43
A重油	〃	2,213	1,516	1	1,075	43
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	5,337	3,907	245	39	99
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	64,104	34,510	694	578	1,095
石炭	t	-	-	-	-	-
石炭コークス	〃	1,656	1,656	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	826	826	-	-	-
液化天然ガス	t	3,165	1,105	-	115	-
都市ガス（A）	1000m ³	50,234	26,574	594	357	930
都市ガス（B）	〃	54,125	29,002	654	391	1,031
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,183,390	1,696,058	23,339	35,335	230,223

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	331,294	242,004	3,535	5,750	29,049
石油系燃料（原油換算）	〃	18,598	11,872	609	1,281	930
ガソリン	〃	4,106	2,449	-	2	1
灯油	〃	1,983	1,040	21	137	23
軽油	〃	2,436	596	275	4	3
重油計	〃	2,706	1,963	2	1,090	59
A重油	〃	2,706	1,963	2	1,090	59
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	6,233	4,803	245	39	653
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	132,080	91,119	820	1,430	8,986
石炭	t	-	-	-	-	-
石炭コークス	〃	1,656	1,656	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	3,122	3,117	-	-	918
液化天然ガス	t	7,619	4,598	-	155	179
都市ガス（A）	1000m ³	101,159	68,927	701	1,042	6,750
都市ガス（B）	〃	109,830	75,287	773	1,141	7,274
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	1,941,625	1,494,390	22,637	32,667	205,682

(令和3年4月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
59,114	4,218	107,879	81,601	Total (Crude petroleum equivalent)
440	21	7,707	6,675	Oil based fuels (Crude petroleum equivalent)
2	-	2,444	1,657	Gasoline
-	3	856	942	Kerosene
-	-	291	1,836	Gas oils
131	3	263	697	Heavy Fuel oil total
131	3	263	697	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
237	12	3,275	1,430	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,171	139	30,833	29,593	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	1,656	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
-	-	826	-	Natural gas
-	-	990	2,060	Liquefied natural gas
998	119	23,576	23,660	Town gas(A)
1,102	131	25,693	25,123	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
618,152	43,621	745,388	487,332	Electricity
69,746	4,235	129,688	89,290	Total (Crude petroleum equivalent)
1,219	21	7,812	6,725	Oil based fuels (Crude petroleum equivalent)
2	-	2,444	1,657	Gasoline
-	3	856	943	Kerosene
-	-	314	1,840	Gas oils
476	3	334	743	Heavy Fuel oil total
476	3	334	743	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
571	12	3,283	1,430	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
16,496	170	63,217	40,961	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	1,656	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
-	-	2,199	5	Natural gas
-	-	4,264	3,021	Liquefied natural gas
14,144	145	46,145	32,232	Town gas(A)
15,533	160	50,408	34,543	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
559,331	43,476	630,597	447,235	Electricity

(April, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	591,566	4,254	3,523
ア ン モ ニ ア 及 び ア ン モ ニ ア 誘 導 品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	4
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	59
板 ガ ラ ス Sheet Glass	...	-	-	-	25
石 灰 Lime	...	-	-	-	292
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	136
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	222
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	55

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

(令和3年4月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
8,018	1,281	14,944	69,616	44,450	57,018	-
-	83	1,621	475	76,457	16,310	-
-	1,288	989	14	31,181	184,075	1,103
16	1,543	12,469	-	157,086	473,573	-
-	89	13,351	110	-	-	-
28	1,349	5,750	-	6,037	21,955	7,259
-	792	3,895	51	-	13,206	44
-	273	-	-	59	34	3,892
1	454	140	0	-	-	8,281
1	110	216	8	-	-	-
10	273	63	10	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(April, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	467,846	-	132,225	7,272	-
石 油 系 燃 料 (原 油 換 算)	"	67,501	-	3,627	6,329	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	3	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	76	-	35	-	-
軽 油	"	91	-	-	-	-
A 重 油	"	2,893	-	21	1	-
B ・ C 重 油	"	6,800	-	1,881	-	-
炭 化 水 素 油	"	229	-	229	-	-
液 化 石 油 ガ ス	t	5,746	-	229	4,888	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	35,793	-	-	-	-
オ イ ル コ ー ク ス	t	2,423	-	1,058	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	150	-	94	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	378,580	-	124,126	283	-
石 炭 コ ー ク ス	t	302,609	-	114,997	-	-
コ ー ク ス 炉 ガ ス	1000m ³	70,972	-	396	-	-
高 炉 ガ ス	1000m ³	41,665	-	-	-	-
液 化 天 然 ガ ス	t	280,422	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,377	-	86	200	-
回 収 黒 液	絶乾(Dry)t	105,036	-	105,036	...	...
廃 プ ラ ス チ ッ ク	t	1,846	-	16	-	-
R P F	"	1,571	-	1,571	-	-
電 力	1000kWh	463,150	-	255,635	5,697	-
う ち 購 入 分	"	142,093	-	24,841	5,697	-
蒸 気	t	2,280,806	-	1,567,349	7,305	-
う ち 受 入 分	"	92,368	-	-	1,882	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	333,070	-	134,918	51,121	197
石 油 系 燃 料 (原 油 換 算)	"	92,087	-	6,028	41,697	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	45,830	-	-	45,830	-
軽 油	"	1,182	-	2	-	-
A 重 油	"	157	-	5	-	-
B ・ C 重 油	"	4,764	-	613	425	-
炭 化 水 素 油	"	8,505	-	3,920	-	-
液 化 石 油 ガ ス	t	1,693	-	592	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	547	-	189	-	-
オ イ ル コ ー ク ス	t	22,859	-	-	1,033	-
ア ス フ ェ ル ト	"	4,110	-	130	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	783	-	195	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	203,705	-	125,984	7,339	-
石 炭 コ ー ク ス	t	144,377	-	86,328	10,259	-
コ ー ク ス 炉 ガ ス	1000m ³	10,761	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	t	31,256	-	-	-	-
都 市 ガ ス (B)	1000m ³	5,695	-	-	297	-
回 収 黒 液	絶乾(Dry)t	11,602	-	-	-	-
廃 プ ラ ス チ ッ ク	t	128,838	-	128,838	...	...
R P F	"	4,602	-	59	-	-
R P F	"	9,545	-	9,545	-	-
電 力	1000kWh	689,332	-	280,326	25,192	898
う ち 購 入 分	"	360,492	-	31,243	13,475	898
蒸 気	t	2,232,461	-	1,742,680	121,828	1,644
う ち 受 入 分	"	30,811	-	-	12,024	1,644

(令和3年4月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
51,621	7,587	-	265,024	-	4,117	Total (Crude petroleum equivalent)
51,621	1,532	-	4,317	-	76	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	3	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	2	-	38	-	-	Kerosene
1	8	-	82	-	-	Gas oils
-	595	-	2,276	-	-	Heavy Fuel oil A
4,120	799	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
35,793	-	-	570	-	59	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	1,365	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	56	-	-	-	-	Reproduction oil (Oil origin)
-	4,612	-	246,147	-	3,413	Non-oil based fuels (Crude petroleum equivalent)
-	5,987	-	181,625	-	-	Coal
-	-	-	70,576	-	-	Coal coke
-	174	-	41,491	-	-	Coke oven gas
-	-	-	280,422	-	-	Blast furnace gas
-	-	-	676	-	2,415	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	638	-	1,192	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
37,934	16,464	-	131,389	-	16,031	Electricity
-	15,521	-	89,290	-	6,744	among those purchased
166,644	7,975	-	531,533	-	...	Steam
-	-	-	90,486	-	...	among those accepted
31,075	29,741	1,571	34,880	29,340	20,226	Total (Crude petroleum equivalent)
30,949	4,133	238	4,995	2,949	1,097	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	7	2	231	185	755	Kerosene
-	115	1	11	23	2	Gas oils
4	67	230	1,910	1,236	279	Heavy Fuel oil A
2,020	-	-	2,330	235	-	Heavy Fuel oil B・C
-	417	-	-	684	-	Hydrocarbon oil
-	-	3	255	22	78	Liquefied petroleum gas
21,826	-	-	-	-	-	Hydrocarbon gas
-	3,875	-	-	105	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	174	-	-	414	-	Reproduction oil (Oil origin)
-	22,885	243	18,119	14,823	14,313	Non-oil based fuels (Crude petroleum equivalent)
-	27,528	-	16,493	3,769	-	Coal
-	-	-	1,372	9,389	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	31,256	-	Blast furnace gas
-	-	172	3,643	1,583	-	Liquefied natural gas
-	-	-	-	117	11,485	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,543	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
21,937	34,447	11,667	134,196	122,377	58,292	Electricity
1,360	29,272	4,712	126,485	101,276	51,771	among those purchased
175,714	28,736	-	10,845	151,014	...	Steam
-	-	-	-	17,143	...	among those accepted

(April, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,495,495	37,608	194,943	2,656,893	11,570
石 油 系 燃 料 (原 油 換 算)	"	2,836,733	5,317	11,887	2,405,556	129
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	960	4	1	7	2
改 質 生 成 油	"	1,526,151	-	-	1,526,151	-
灯 質 生 成 油	"	358,554	-	-	358,554	-
軽 油	"	4,064	74	90	501	-
A 重 油	"	18,342	276	24	15,883	-
B ・ C 重 油	"	9,400	277	1,390	97	-
炭 化 水 素 油	"	79,950	44	9,135	3,931	28
液 化 石 油 ガ ス	t	46,662	-	-	41,274	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	272,645	13	228	251,844	75
オ イ ル コ ー ク ス	t	485,061	-	-	267,975	-
ア ス フ ァ ル ト	"	50,230	5,381	-	41,379	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		8,849	-	210	2,183	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,336,814	22,127	168,209	118,444	11,280
石 炭 コ ー ク ス	t	1,378,370	12,622	23,723	12,622	-
コ ー ク ス 炉 ガ ス	1000m ³	725,134	5,330	-	5,330	-
高 炉 ガ ス	"	244,842	-	-	2,874	-
液 化 天 然 ガ ス	t	1,885,659	-	-	-	-
都 市 ガ ス (B)	1000m ³	26,412	-	5,420	15,988	-
回 収 黒 液	絶乾(Dry)t	182,764	-	44,586	20,015	10,621
廃 プ ラ ス チ ッ ク	t	130,073	-	130,073	...	...
R P F	"	21,392	-	121	4,849	-
	"	24,128	-	20,376	-	-
電 力	1000kWh	3,820,801	120,349	455,001	1,008,187	26,895
う ち 購 入 分	"	2,339,581	48,590	143,670	639,875	1,737
蒸 気	t	10,600,127	85,375	2,155,451	4,055,617	54,498
う ち 受 入 分	"	1,337,196	15,476	21,443	977,450	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,716,983	6,359	122,478	534,366	14,808
石 油 系 燃 料 (原 油 換 算)	"	698,574	74	16,707	460,265	4,002
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,534	8	1	1	-
改 質 生 成 油	"	174,125	-	-	173,711	-
灯 質 生 成 油	"	230,637	-	-	230,637	-
軽 油	"	4,751	34	49	7	114
A 重 油	"	2,179	3	44	7	6
B ・ C 重 油	"	6,719	32	236	680	551
炭 化 水 素 油	"	52,580	-	9,147	10,899	579
液 化 石 油 ガ ス	t	23,872	-	2,292	16,160	35
石 油 系 炭 化 水 素 ガ ス	1000m ³	35,037	-	127	24,983	72
オ イ ル コ ー ク ス	t	128,140	-	-	29,861	-
ア ス フ ァ ル ト	"	27,569	-	4,557	10,561	2,998
再 生 油 (石 油 由 来)	kl	1,360	-	-	-	-
		11,924	-	44	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	845,160	5,205	98,358	48,123	5,634
石 炭 コ ー ク ス	t	461,536	-	9,978	37,653	-
コ ー ク ス 炉 ガ ス	1000m ³	208,733	-	-	-	-
高 炉 ガ ス	"	67,215	-	-	-	-
液 化 天 然 ガ ス	t	818,271	-	-	-	-
都 市 ガ ス (B)	1000m ³	25,242	-	1,786	15,739	172
回 収 黒 液	絶乾(Dry)t	92,698	4,901	2,043	455	5,076
廃 プ ラ ス チ ッ ク	t	157,445	-	157,445	...	...
R P F	"	9,069	-	3,821	-	-
	"	9,772	-	9,772	-	-
電 力	1000kWh	2,378,937	15,509	239,511	238,308	62,472
う ち 購 入 分	"	1,632,385	11,609	62,720	114,025	46,340
蒸 気	t	4,195,330	-	1,351,794	980,352	84,737
う ち 受 入 分	"	266,897	-	22,829	216,844	12,466

(令和3年4月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
410,128	117,242	12,234	2,037,761	16,660	75,672	Total (Crude petroleum equivalent)
371,463	27,069	1,710	13,705	3,169	7,364	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
6	8	-	36	5	899	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1,723	148	1	778	43	854	Kerosene
12	775	1	426	66	1,431	Gas oils
4,716	371	16	1,146	1,002	939	Heavy Fuel oil A
55,340	8,847	1,521	756	436	-	Heavy Fuel oil B・C
37	2,504	-	2,147	700	-	Hydrocarbon oil
14,824	20	38	2,933	44	2,652	Liquefied petroleum gas
217,083	-	-	3	-	-	Hydrocarbon gas
-	8,964	-	5,268	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	5,685	-	-	771	-	Reproduction oil (Oil origin)
6,872	75,542	8,632	1,934,086	3,651	32,226	Non-oil based fuels (Crude petroleum equivalent)
2,386	61,092	-	1,291,169	-	-	Coal
-	9,648	-	711,575	2,543	1,368	Coal coke
-	9,290	-	232,678	-	-	Coke oven gas
-	-	-	1,885,659	-	-	Blast furnace gas
-	40	1,832	677	159	2,296	Liquefied natural gas
356	1,817	5,689	72,342	1,014	26,323	Town gas(B)
...	...	...	...	...	...	Black liquor
-	8,256	-	8,166	-	-	Waste plastic
-	3,752	-	-	-	-	Refuse Paper & Plastic Fuel
303,977	216,976	23,134	1,360,588	103,149	443,243	Electricity
104,971	105,785	20,338	946,087	37,826	387,882	among those purchased
2,207,699	273,255	2,028	1,932,863	4,091	...	Steam
318,700	3,142	-	28,394	3,543	...	among those accepted
177,715	54,680	5,014	667,257	12,514	134,510	Total (Crude petroleum equivalent)
161,990	32,302	1,234	14,098	3,955	4,094	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	5	-	4	-	1,529	Gasoline
414	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	374	4	4,137	13	86	Kerosene
29	92	-	1,650	41	313	Gas oils
3,105	67	-	1,288	360	464	Heavy Fuel oil A
19,419	9,187	772	1,730	847	-	Heavy Fuel oil B・C
-	3,870	-	-	1,515	-	Hydrocarbon oil
5,088	-	-	3,179	106	1,482	Liquefied petroleum gas
98,279	-	-	-	-	-	Hydrocarbon gas
-	7,953	-	1,500	-	-	Petroleum coke
1,360	-	-	-	-	-	Asphalt
-	10,610	382	-	888	-	Reproduction oil (Oil origin)
14,138	18,493	2,882	603,237	2,799	56,699	Non-oil based fuels (Crude petroleum equivalent)
14,274	13,153	-	386,478	-	-	Coal
-	648	-	207,286	799	-	Coal coke
-	2,803	-	64,412	-	-	Coke oven gas
-	-	-	818,271	-	-	Blast furnace gas
3,192	-	458	3,570	-	325	Liquefied natural gas
-	4,301	2,104	29,541	2,072	52,007	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,341	-	2,907	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
154,854	61,913	9,655	687,505	37,656	902,572	Electricity
7,783	41,693	9,654	534,942	34,381	792,456	among those purchased
1,175,781	71,899	529	530,238	-	...	Steam
12,475	96	-	2,187	-	...	among those accepted

(April, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,835,876	32,212	48,481	613,246	67,531
石 油 系 燃 料 (原 油 換 算)	"	467,905	247	860	335,772	1,368
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	442	2	1	8	2
改 質 生 成 油	"	167,169	-	-	166,251	-
灯 油	"	96,349	-	-	96,349	-
軽 油	"	671	-	1	213	-
A 重 油	"	734	118	16	29	8
B・C 重 油	"	2,924	126	77	56	789
炭 化 水 素 油	"	52,330	-	12	39,102	521
液 化 石 油 ガ ス	t	16,405	-	-	4,654	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	39,807	2	9	36,900	2
オ イ ル コ ー ク ス	t	75,916	-	-	10,404	-
ア ス フ ァ ル ト	"	8,001	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,414	-	713	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,250,432	21,577	45,552	254,324	56,708
石 炭 コ ー ク ス	t	859,692	1,070	12,631	280,934	29,149
コ ー ク ス 炉 ガ ス	1000m ³	281,734	-	-	-	-
高 炉 ガ ス	"	134,223	-	-	16,297	-
液 化 天 然 ガ ス	t	1,160,933	-	-	104,183	-
都 市 ガ ス (B)	t	30,494	1,452	-	15,487	585
回 収 黒 液	1000m ³	149,483	17,705	20,859	23,359	34,107
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	27,359	-	27,359	...	...
R P F	t	738	-	-	-	-
	"	691	-	679	-	-
電 力	1000kWh	1,802,253	156,909	91,595	263,813	213,017
う ち 購 入 分	"	1,041,765	111,666	22,240	168,001	94,380
蒸 気	t	3,716,450	158,310	525,138	789,977	586,638
う ち 受 入 分	"	298,378	-	-	108,833	9,783

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,500,637	315,364	83,898	1,348,568	79,436
石 油 系 燃 料 (原 油 換 算)	"	1,184,135	5,012	12,305	936,363	22,112
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	97	81	-	1	1
改 質 生 成 油	"	515,042	-	-	511,374	-
灯 油	"	263,995	-	-	263,995	-
軽 油	"	3,475	586	9	1,826	57
A 重 油	"	671	75	14	7	-
B・C 重 油	"	12,574	239	165	1,070	2,636
炭 化 水 素 油	"	79,384	3,217	6,426	19,555	7,349
液 化 石 油 ガ ス	t	31,476	-	-	27,595	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	44,946	464	-	37,004	213
オ イ ル コ ー ク ス	t	193,636	-	-	108,545	-
ア ス フ ァ ル ト	"	70,757	-	4,621	26,799	13,010
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,817	-	1,155	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,141,754	305,838	69,176	364,810	54,574
石 炭 コ ー ク ス	t	1,729,124	445,641	16,955	489,890	75,217
コ ー ク ス 炉 ガ ス	1000m ³	647,279	3,698	-	3,410	-
高 炉 ガ ス	"	191,664	-	-	992	-
液 化 天 然 ガ ス	t	1,384,886	-	-	-	-
都 市 ガ ス (B)	t	19,249	-	59	9,577	654
回 収 黒 液	1000m ³	42,205	1,086	1,504	1,868	2,751
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	135,676	-	135,676	...	...
R P F	t	3,524	1,803	9	1,803	-
	"	2,246	-	1,108	1,138	-
電 力	1000kWh	2,864,329	729,953	153,596	1,088,861	84,491
う ち 購 入 分	"	1,521,241	34,975	25,988	210,560	17,648
蒸 気	t	8,756,304	2,874,076	1,041,709	4,880,588	567,579
う ち 受 入 分	"	480,849	18,231	-	402,305	16,036

(令和3年4月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
102,666	66,002	20,540	908,620	4,340	36,662	Total
94,028	26,879	900	4,894	1,061	2,390	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
6	4	-	-	-	423	(Crude petroleum equivalent)
918	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
3	133	1	90	82	148	Naphtha
3	16	-	302	37	441	Oil produced by conversion
113	299	-	461	787	468	Kerosene
5,304	6,018	832	541	-	-	Gas oils
-	11,751	-	-	-	-	Heavy Fuel oil A
812	205	-	1,117	6	758	Heavy Fuel oil B・C
65,512	-	-	-	-	-	Hydrocarbon oil
-	5,790	-	2,211	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	2,446	-	112	143	-	Petroleum coke
6,458	36,463	15,609	838,847	2,579	15,469	Asphalt
-	47,600	-	490,448	-	-	Reproduction oil (Oil origin)
-	542	-	281,192	-	-	Non-oil based fuels
-	1,980	-	115,946	-	-	(Crude petroleum equivalent)
-	1,450	-	1,055,300	-	-	Coal
4,569	-	2,939	6,149	407	1,810	Coal coke
-	956	10,786	63,078	1,887	12,157	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	738	-	-	-	-	Liquefied natural gas
-	12	-	-	-	-	Town gas(B)
77,005	72,023	47,104	971,637	7,522	215,446	Black liquor
23,352	28,583	43,335	563,967	7,451	202,122	Waste plastic
344,604	299,591	7,760	1,319,911	1,141	...	Refuse Paper & Plastic Fuel
112	2	-	179,648	-	...	Electricity
						among those purchased
						Steam
						among those accepted
192,276	318,808	78	1,743,458	10,456	39,023	Total
175,497	10,467	-	27,208	2,381	2,814	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	80	-	93	(Crude petroleum equivalent)
3,668	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
4	729	-	1,061	177	198	Naphtha
-	37	-	370	86	232	Oil produced by conversion
442	635	-	5,566	1,288	1,011	Kerosene
39,780	3,916	-	4,807	768	-	Gas oils
-	314	-	3,566	-	1	Heavy Fuel oil A
1,531	196	-	5,457	4	1,005	Heavy Fuel oil B・C
85,091	-	-	-	-	-	Hydrocarbon oil
17,207	4,195	-	4,925	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	662	-	-	-	-	Petroleum coke
10,981	304,469	-	1,626,641	1,664	15,278	Asphalt
-	433,534	-	1,159,169	-	-	Reproduction oil (Oil origin)
-	6,371	-	638,778	2,130	288	Non-oil based fuels
-	3,247	-	187,425	-	-	(Crude petroleum equivalent)
-	650	-	1,384,236	-	-	Coal
7,769	3	-	1,117	-	70	Coal coke
-	974	-	22,645	64	13,485	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,803	-	1,712	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
141,124	722,391	843	1,062,217	70,061	270,698	Black liquor
51,117	39,200	843	919,612	66,244	225,004	Waste plastic
1,007,779	2,762,748	-	1,330,702	39,275	...	Refuse Paper & Plastic Fuel
15,093	3,266	-	58,784	3,596	...	Electricity
						among those purchased
						Steam
						among those accepted

(April, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	847,020	-	260,628	475,340	25,685
石 油 系 燃 料 (原 油 換 算)	"	297,100	-	93,041	162,243	5,418
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	9	-	4	-	-
改 質 生 成 油	"	124	-	-	124	-
灯 油	"	142,032	-	-	142,032	-
軽 油	"	1,133	-	4	210	-
A 重 油	"	268	-	207	-	-
B ・ C 重 油	"	2,979	-	2,006	4	-
炭 化 水 素 油	"	19,350	-	5,491	5,045	3,900
液 化 石 油 ガ ス	t	2,931	-	-	880	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	72,893	-	65,400	3,802	-
オ イ ル コ ー ク ス	t	32,059	-	-	17,321	-
ア ス フ ァ ル ト	"	9,303	-	-	4,818	1,401
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		412	-	209	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	495,668	-	160,674	286,216	18,882
石 炭 コ ー ク ス	t	540,000	-	138,759	344,749	26,465
コ ー ク ス 炉 ガ ス	1000m ³	12,213	-	-	3,775	-
高 炉 ガ ス	"	47,650	-	-	47,650	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,592	-	1,091	320	-
回 収 黒 液	絶乾(Dry)t	1,118	-	145	-	973
廃 プ ラ ス チ ッ ク	t	153,285	-	153,285	...	...
R P F	"	1,867	-	1,867	-	-
	"	5,844	-	5,844	-	-
電 力	1000kWh	880,596	-	399,206	168,041	57,429
う ち 購 入 分	"	423,260	-	60,270	156,802	14,609
蒸 気	t	3,672,057	-	2,697,640	271,221	291,899
う ち 受 入 分	"	215,272	-	18,908	177,875	381

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,941,817	837	67,124	547,318	6,250
石 油 系 燃 料 (原 油 換 算)	"	401,258	208	10,802	302,852	134
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,159	-	-	-	-
改 質 生 成 油	"	281,979	-	-	281,979	-
灯 油	"	27,946	-	-	27,946	-
軽 油	"	1,579	209	265	105	-
A 重 油	"	416	3	1	24	-
B ・ C 重 油	"	3,399	-	350	1,974	-
炭 化 水 素 油	"	20,410	-	9,014	3,451	124
液 化 石 油 ガ ス	t	4,831	-	-	4,653	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	20,608	6	-	14,883	-
オ イ ル コ ー ク ス	t	13,438	-	-	4,532	-
ア ス フ ァ ル ト	"	57,707	-	528	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		6,632	-	9	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,413,982	-	52,661	213,179	-
石 炭 コ ー ク ス	t	1,168,898	-	27,298	280,503	-
コ ー ク ス 炉 ガ ス	1000m ³	395,314	-	-	-	-
高 炉 ガ ス	"	173,630	-	-	36,301	-
液 化 天 然 ガ ス	t	899,033	-	-	-	-
都 市 ガ ス (B)	1000m ³	17,123	-	-	1,275	-
回 収 黒 液	絶乾(Dry)t	10,178	-	128	1,537	-
廃 プ ラ ス チ ッ ク	t	88,091	-	88,091	...	...
R P F	"	17,108	-	-	2,016	-
	"	-	-	-	-	-
電 力	1000kWh	1,467,699	6,762	158,721	163,688	15,757
う ち 購 入 分	"	1,056,023	6,762	39,352	112,101	15,757
蒸 気	t	2,744,195	-	922,599	771,297	67,278
う ち 受 入 分	"	393,847	-	-	285,610	67,278

(令和3年4月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
24,213	26,694	-	14,966	13,578	5,917	Total
24,211	5,271	-	2,203	4,355	358	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	3	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	122	-	48	739	10	Kerosene
-	57	-	1	3	-	Gas oils
-	466	-	59	233	211	Heavy Fuel oil A
2,225	658	-	5	2,026	-	Heavy Fuel oil B・C
-	1,019	-	-	1,032	-	Hydrocarbon oil
1,843	-	-	1,616	128	104	Liquefied petroleum gas
14,738	-	-	-	-	-	Hydrocarbon gas
-	3,084	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	203	-	-	-	-	Reproduction oil (Oil origin)
-	20,599	-	7,387	559	1,351	Non-oil based fuels
-	29,492	-	-	535	-	(Crude petroleum equivalent)
-	877	-	7,296	265	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	225	-	956	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
24,362	35,359	-	61,792	89,166	45,241	Electricity
13	8,866	-	57,793	79,679	45,228	among those purchased
159,322	174,304	-	24,554	53,117	...	Steam
-	-	-	-	18,108	...	among those accepted
17,985	155,204	400	1,110,514	6,777	31,082	Total
17,364	51,157	28	13,320	2,901	2,909	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	1,158	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	77	-	689	87	565	Kerosene
-	24	-	353	-	17	Gas oils
9	205	24	395	108	334	Heavy Fuel oil A
4,359	1,401	-	671	1,390	-	Heavy Fuel oil B・C
-	178	-	-	-	-	Hydrocarbon oil
703	1,040	3	2,945	249	791	Liquefied petroleum gas
8,906	-	-	-	-	-	Hydrocarbon gas
-	48,088	-	8,527	564	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	6,190	-	47	386	-	Reproduction oil (Oil origin)
-	97,756	-	1,042,971	677	6,739	Non-oil based fuels
-	128,098	-	732,999	-	-	(Crude petroleum equivalent)
-	47	-	394,914	353	-	Coal
-	4,402	-	132,927	-	-	Coal coke
-	-	-	899,033	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	15,264	292	292	Liquefied natural gas
-	-	-	2,563	-	5,950	Town gas(B)
...	...	...	...	...	...	Black liquor
-	10,367	-	4,725	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
11,100	172,829	4,000	675,883	40,616	231,867	Electricity
6,672	66,257	4,000	553,834	34,394	230,418	among those purchased
78,778	375,015	-	471,152	58,076	...	Steam
-	1,848	-	39,111	-	...	among those accepted

(April, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年5月分
May, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移	18
2. 種別統計	
(1) 業種別エネルギー消費	20
1) 固有単位表	20
2) 熱量単位表	20
(2) 燃料受払	
1) 燃料種別表	24
① 固有単位表	24
② 熱量単位表	24
2) 業種別表	
① パルプ・紙・板紙工業	26
② 化学繊維工業	26
③ 石油製品工業	28
④ ガラス製品工業	28
⑤ 化学工業	30
⑥ 窯業・土石製品工業	30
⑦ 鉄鋼業	32
⑧ 非鉄金属地金工業	34
⑨ 機械工業	34
(3) 電力受払	36
(4) 蒸気受払	36
3. 指定生産品目別統計	
(1) 指定生産品目別エネルギー消費	
1) 直接投入エネルギー表	38
2) 一次投入燃料換算表	38
(2) 指定生産品目別燃料在庫	50
4. 地域別統計	
経済産業局別業種別エネルギー消費	
1) 北海道経済産業局管内	52
2) 東 北 "	52
3) 関 東 "	54
4) 中 部 "	54
5) 近 畿 "	56
6) 中 国 "	56
7) 四 国 "	58
8) 九 州 "	58

Notes for Utilization

1. Trends of energy consumption	18
2. Statistics by type kind of energy	
(1) Energy consumption by industry	20
1) Table of original units	20
2) Table of energy units	20
(2) Fuel input/output	
1) Table for type kind of energy	24
① Table of original unit	24
② Table of energy unit	24
2) Tables for individual industry	
① Pulp,paper,paper board industry	26
② Chemical fiber industry	26
③ Petroleum products industry	28
④ Glass products industry	28
⑤ Chemical industry	30
⑥ Ceramic, stone and clay product industry	30
⑦ Iron and steel industry	32
⑧ Non-ferrous metals industry	34
⑨ Machinery industry	34
(3) Electricity input and output	36
(4) Steam input and output	36
3. Statistics by specific products	
(1) Energy consumption by specific product	
1) Table in original units (Table of direct input energy, conversion table for primary input fuel)	38
2) Table in energy units (Table of direct input energy, conversion table for primary input fuel)	38
(2) Fuel inventory by specific product	50
4. Regional statistics	
Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry	
1) Hokkaido Bureau of Economy, Trade and Industry	52
2) Tohoku Bureau of Economy, Trade and Industry	52
3) Kanto Bureau of Economy, Trade and Industry	54
4) Chubu Bureau of Economy, Trade and Industry	54
5) Kansai Bureau of Economy, Trade and Industry	56
6) Chugoku Bureau of Economy, Trade and Industry	56
7) Shikoku Bureau of Economy, Trade and Industry	58
8) Kyushu Bureau of Economy, Trade and Industry	58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 (原油換算) Crude petroleum equivalent	Fuel total						
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 (原油換算) Specified products Crude petroleum equivalent		石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 1～3月	39,468,283	37,176,115	36,340,073	18,651,924	1,189	13,659	7,629,096	4,021,748	182,865	39,961
4～6	33,103,188	30,718,000	30,363,014	16,256,823	732	8,825	6,807,577	3,341,022	343,235	22,062
7～9	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10～12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1～3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
2 年 3月	12,865,113	12,077,440	11,826,656	5,869,825	403	4,705	2,376,173	1,289,834	58,585	6,325
4	11,859,920	11,068,101	10,888,979	5,882,861	304	3,220	2,473,699	1,226,738	93,567	5,659
5	10,851,560	10,022,713	9,957,107	5,316,001	234	2,099	2,216,021	1,068,564	109,783	4,555
6	10,391,708	9,627,186	9,516,928	5,057,961	194	3,506	2,117,857	1,045,720	139,885	11,848
7	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
前年同月比(%)	15.8	19.9	16.0	11.0	-	37.7	14.6	2.4	▲ 51.7	397.0

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)										都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG		
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t			
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 1～3月	21,417,754	7,464,646	131,534	2,764,265	20,274,897	1,315,312	24,668	180,841	394,743	1,481,482	
4～6	17,311,116	6,400,669	124,113	2,516,826	16,245,377	970,218	23,702	146,786	344,843	1,204,583	
7～9	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10～12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1～3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
2 年 3月	7,220,340	2,425,454	47,381	932,152	6,616,976	431,556	7,997	59,304	129,194	494,259	
4	6,094,664	2,246,985	44,324	854,680	5,857,118	339,037	7,744	52,259	117,523	430,940	
5	5,769,561	2,125,905	44,360	867,109	5,343,200	332,789	8,286	51,824	111,763	376,112	
6	5,446,891	2,027,779	35,429	795,037	5,045,059	298,392	7,672	42,703	115,557	397,531	
7	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338	
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366	
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
前年同月比(%)	18.5	16.4	4.1	8.4	30.4	25.9	▲ 7.1	▲ 9.8	15.0	19.8	

注1. 原油にはNGL・コンデンセートを含む。
 3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計									非石油系燃料計		Year,quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl		
	▲ 5.5	2.7	▲ 6.6	▲ 15.1	57.1	6.1	▲ 1.2	-	25.1	18.5	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018	
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019	
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020	
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019	
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020	
1,217,808	133,224	1,084,584	397,339	1,252,246	3,158,214	960,635	259,683	87,874	29,086,259	Q1 2020	
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2	
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3	
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4	
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021	
419,082	42,980	376,102	129,993	368,317	1,010,826	280,591	69,689	31,385	9,782,666	Mar. 2020	
406,831	46,912	359,919	125,831	362,063	1,001,842	301,064	49,600	28,095	8,405,234	Apr.	
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May	
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.	
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.	
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.	
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.	
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.	
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.	
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.	
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021	
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.	
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.	
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.	
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May	
▲ 5.5	2.7	▲ 6.6	▲ 15.1	57.1	6.1	▲ 1.2	-	25.1	18.5	R・S	

回収黒液						電力		蒸気		Year,quarter and Month
Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
3,330,844	2,554,158	649,762	130,558	181,128	155,831	44,351,265	25,474,793	129,126,762	10,284,806	Q1 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
1,333,632	838,778	230,334	44,861	61,360	57,634	14,819,127	8,508,029	42,979,483	3,331,034	Mar. 2020
891,755	609,805	196,616	37,159	53,894	49,481	13,641,706	7,880,720	39,644,297	3,144,950	Apr.
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
23.5	77.1	▲ 5.6	4.1	7.1	20.5	11.4	17.5	0.4	4.5	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,282,315	12,014,325	15,262,177	5,900,270	-	2,891	2,539,919	1,094,712	52,992
重複事業所分補正量 Duplication adjustment	313,596	-	285,732	11,113	-	64	-	-	675
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	1,023,261	923,150	979,772	157,836	...	7	-	-	674
化学工業 Chemical industry	6,057,740	4,782,938	5,777,043	4,539,181	-	15	2,532,738	1,094,712	35,670
化学繊維工業 Chemical fibers industry	177,159	45,659	151,150	34,624	...	4	-	-	228
石油製品工業 Petroleum products industry	1,001,322	896,996	960,577	917,289	...	17	7,181	-	5,065
窯業・土石製品工業 Ceramics, clay and stone products industry	767,705	552,647	727,822	135,160	...	36	-	-	1,300
ガラス製品工業 Glass products industry	41,675	40,416	32,920	4,930	...	-	-	-	5
鉄鋼業 Iron and steel industry	7,138,360	4,481,836	6,749,512	86,919	...	89	-	-	7,153
非鉄金属地金工業 Non-ferrous metals industry	4,038,692	78,719	3,649,844	19,320	...	5	-	-	1,316
機械工業 Machinery industry	93,276	211,964	46,916	16,123	...	2,782	-	-	2,256

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	630,125,603	464,954,378	590,646,251	228,340,454	-	96,559	84,579,303	36,891,794	1,934,226
重複事業所分補正量 Duplication adjustment	486,393,941	-	446,914,589	430,065	-	2,138	-	-	24,638
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	12,136,153	-	11,057,828	430,065	-	2,138	-	-	24,638
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	39,600,215	35,725,912	37,917,183	6,108,269	...	234	-	-	24,601
化学工業 Chemical industry	234,434,535	185,099,717	223,571,578	175,666,309	-	501	84,340,175	36,891,794	1,301,955
化学繊維工業 Chemical fibers industry	210,660,027	199,797,070	199,797,070	1,339,955	...	134	-	-	8,322
化学繊維工業 Chemical fibers industry	6,856,066	1,767,010	5,849,519	1,339,955	...	134	-	-	8,322
石油製品工業 Petroleum products industry	38,751,179	34,713,740	37,174,324	35,499,091	...	568	239,127	-	184,873
石油製品工業 Petroleum products industry	29,710,193	21,387,426	28,166,705	5,230,691	...	1,202	-	-	47,450
窯業・土石製品工業 Ceramics, clay and stone products industry	29,710,193	28,166,705	28,166,705	190,775	...	-	-	-	183
ガラス製品工業 Glass products industry	1,612,815	1,564,096	1,274,005	190,775	...	-	-	-	183
鉄鋼業 Iron and steel industry	276,254,523	173,447,065	261,206,133	3,363,781	...	2,973	-	-	261,086
鉄鋼業 Iron and steel industry	156,297,370	141,248,979	141,248,979	747,698	...	167	-	-	48,034
非鉄金属地金工業 Non-ferrous metals industry	3,609,795	3,046,414	1,815,631	747,698	...	167	-	-	48,034
非鉄金属地金工業 Non-ferrous metals industry	11,432,435	8,202,998	4,729,001	623,950	...	92,919	-	-	82,360
機械工業 Machinery industry	11,432,435	8,202,998	4,729,001	623,950	...	92,919	-	-	82,360

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年5月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
22,640	332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907
394	4,563	623	3,940	-	273	-	5,577	-	-	274,619
309	58,102	6,145	51,957	3,577	65,188	-	4,835	-	2,259	821,936
16,772	74,567	4,540	70,027	84,612	392,456	429,224	132,738	-	838	1,237,862
13	14,509	1,457	13,052	34	152	-	21,615	-	-	116,526
804	116,792	9,518	107,274	-	23,557	545,249	36,089	-	-	43,288
1,103	33,612	2,351	31,261	15,376	1,635	-	67,692	-	19,671	592,662
2	4,252	337	3,915	-	54	-	-	-	275	27,990
1,861	22,676	12,044	10,632	6,394	20,570	3	24,750	-	129	6,662,593
254	10,239	4,452	5,787	3,177	551	-	340	-	2,705	27,595
1,916	2,754	2,754	-	-	5,362	-	-	-	-	106,074

単位 Unit: GJ

860,317	13,792,459	1,671,816	12,120,644	4,526,800	25,513,814	49,698,276	9,406,651	-	1,040,255	362,305,798
14,972	188,927	24,235	164,692	-	13,677	-	185,714	-	-	10,627,762
11,742	2,410,876	239,073	2,171,803	143,080	3,265,919	-	161,006	-	90,812	31,808,915
637,336	3,103,735	176,606	2,927,129	3,384,480	19,662,046	21,890,424	4,420,175	-	33,688	47,905,269
494	602,251	56,677	545,574	1,360	7,615	-	719,780	-	-	4,509,564
30,552	4,854,303	370,250	4,484,053	-	1,180,206	27,807,699	1,201,764	-	-	1,675,233
41,914	1,398,253	91,454	1,306,800	615,040	81,914	-	2,254,144	-	790,774	22,936,014
76	176,756	13,109	163,647	-	2,705	-	-	-	11,055	1,083,229
70,718	912,950	468,516	444,434	255,760	1,030,780	153	824,175	-	5,186	257,842,352
9,650	415,099	173,202	241,897	127,080	27,605	-	11,322	-	108,741	1,067,933
72,807	107,162	107,162	-	-	268,701	-	-	-	-	4,105,051

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(May, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517
重複事業所分補正量 Duplication adjustment	353,665	9,040	-	-	-	-	-	7,410	1,691
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	424,014	150	...	-	-	-	-	2,634	9,141
化学工業 Chemical industry	1,376,656	12,809	37,045	110,228	106,662	-	-	38,107	58,176
化学繊維工業 Chemical fibers industry	93,347	-	...	-	-	-	-	-	1,097
石油製品工業 Petroleum products industry	27,859	-	...	-	-	-	-	-	17,079
窯業・土石製品工業 Ceramics, clay and stone products industry	755,069	18,267	...	24,142	1,425	15,839	102	8,867	53
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,538
鉄鋼業 Iron and steel industry	4,511,070	2,434,599	9,134	805,833	6,821,511	403,229	7,599	2,126	29,733
非鉄金属地金工業 Non-ferrous metals industry	4,629	17,222	...	-	40,000	-	-	-	2,212
機械工業 Machinery industry	-	555	...	-	-	-	-	2,418	7,179

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	187,569,302	71,762,317	1,722,477	19,086,121	24,881,465	3,490,836	64,149	1,986,535	7,029,880
重複事業所分補正量 Duplication adjustment	9,230,657	262,160	-	-	-	-	-	314,925	92,498
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,066,765	4,350	...	-	-	-	-	111,945	500,013
化学工業 Chemical industry	35,930,722	371,461	1,381,779	2,237,628	380,783	-	-	1,619,548	3,182,227
化学繊維工業 Chemical fibers industry	2,436,357	-	...	-	-	-	-	-	60,006
石油製品工業 Petroleum products industry	727,120	-	...	-	-	-	-	-	934,221
窯業・土石製品工業 Ceramics, clay and stone products industry	19,707,301	529,762	...	490,083	5,087	131,939	850	376,848	2,899
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	302,929
鉄鋼業 Iron and steel industry	126,810,877	70,603,371	340,698	16,358,410	24,352,794	3,358,898	63,300	90,355	1,626,395
非鉄金属地金工業 Non-ferrous metals industry	120,817	499,438	...	-	142,800	-	-	-	120,996
機械工業 Machinery industry	-	16,095	...	-	-	-	-	102,765	392,691

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年5月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
450,546	914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835
16,479	-	-	-	-	1,715	-	851,749	223,806	2,601,989	37,413
66,271	914,922	...	162,504	17,741	4,268	54,509	2,029,967	399,671	12,070,808	59,294
49,680	...	...	-	14,869	7,851	1,323	2,822,549	1,403,327	11,391,946	2,064,727
48,983	...	...	-	-	-	-	456,848	197,740	1,647,702	110,162
338	...	...	-	-	-	-	742,657	183,500	5,164,219	342,525
12,642	...	...	185	4,312	32,265	2,973	1,197,402	375,094	3,406,008	7,703
18,985	...	...	-	-	-	-	102,486	86,613	11,029	-
178,218	...	884,399	1,581	636	19,366	-	5,310,098	3,919,228	6,198,022	350,973
4,474	...	...	-	-	-	-	479,011	364,601	316,981	38,864
87,433	...	...	-	-	-	-	2,064,738	1,862,065	...	...

単位 Unit: GJ

18,517,434	12,442,939	6,296,921	2,809,017	1,246,926	1,817,626	1,581,855	51,674,425	30,844,919	100,592,644	7,856,034
677,274	-	-	-	-	50,250	-	3,066,296	805,702	6,960,321	100,080
2,723,738	12,442,939	...	2,778,818	589,001	125,052	1,466,292	7,307,881	1,438,816	32,289,412	158,611
2,041,848	...	...	-	493,651	230,034	35,589	10,161,176	5,051,977	30,473,456	5,523,145
2,013,201	...	...	-	-	-	-	1,644,653	711,864	4,407,603	294,683
13,892	...	...	-	-	-	-	2,673,565	660,600	13,814,286	916,254
519,586	...	...	3,164	143,158	945,365	79,974	4,310,647	1,350,338	9,111,072	20,606
780,301	...	...	-	-	-	-	368,950	311,807	29,503	-
7,324,760	...	6,296,921	27,035	21,115	567,424	-	19,116,353	14,109,221	16,579,709	938,853
183,881	...	...	-	-	-	-	1,724,440	1,312,564	847,924	103,961
3,593,500	...	...	-	-	-	-	7,433,057	6,703,434	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(May, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種別	単位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消費		
				合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計(原油換算) (ネット)	kl	12,169,345	3,723,833	15,262,177	2,480,283	379,069
石油系燃料(原油換算)	"	4,648,023	-	5,900,270	702,876	176,532
原油(注1)	"	-	...	-	-	-
ガソリン	"	2,865	...	2,891	...	...
ナフサ	"	2,510,732	...	2,539,919	-	18
改質生成油	"	1,107,918	...	1,094,712	-	-
灯油	"	49,613	...	52,992	1,358	5,348
軽油	"	24,326	...	22,640	3	36
重油計	"	214,301	...	332,940	198,524	7,854
A重油	"	33,216	...	42,975	14,956	4,375
B・C重油	"	181,085	...	289,965	183,568	3,479
炭化水素油	"	42,009	...	113,170	60,739	-
炭液系炭化水素ガス	t	545,200	...	509,252	72,749	16,690
石油系炭化水素ガス	1000m ³	16,331	...	974,476	149,933	107,507
オイルフィールド	t	490,530	...	282,482	153,758	-
再生油(石油由来)	kl	26,841	-	25,877	1,383	-
非石油系燃料(原油換算)	kl	7,521,322	3,723,833	9,361,907	1,777,408	202,537
石炭(注2)	t	7,679,223	...	6,838,979	1,259,065	-
タコークス(注3)	"	769,593	2,641,023	2,474,562	-	-
コークス	"	30,045	72,506	46,179	-	-
高炉ガス	1000m ³	169,612	1,125,780	940,203	132,223	-
転炉ガス	"	242,614	9,852,545	6,969,598	2,501,289	-
電気炉ガス	"	21,769	583,107	419,068	149,440	-
天然ガス	"	102	10,527	7,701	7,588	-
液化天然ガス	"	42,915	4,687	46,742	16,201	13,595
都市ガス(A)	t	132,267	...	128,517	16,452	32,855
都市ガス(B)	1000m ³	412,002	...	412,002	78,098	123,297
回収黒液素	"	450,553	...	450,546	84,246	132,900
酸化タール	液乾(Dry)t	914,890	...	914,922	914,922	-
酸化タール	1000Nm ³	729,301	205,847	884,399	-	-
酸化タール	液乾(Dry)t	165,164	-	164,270	163,734	-
酸化タール	t	36,782	-	37,558	32,610	-
酸化タール	"	59,919	6,194	62,035	4,268	-
酸化タール	"	56,366	-	58,805	55,793	39

② 熱量単位表

Table of energy unit

種別	単位 Unit	受入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	合計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計(原油換算) (ネット)	GJ	470,953,665	144,112,344	590,646,251	95,986,970	14,669,984
石油系燃料(原油換算)	"	179,878,519	-	228,340,454	27,201,282	6,831,805
原油(注1)	"	-	...	-	-	-
ガソリン	"	95,691	...	96,559	...	...
ナフサ	"	83,607,376	...	84,579,303	-	599
改質生成油	"	37,336,837	...	36,891,794	-	-
灯油	"	1,810,891	...	1,934,226	49,567	195,202
軽油	"	924,385	...	860,317	114	1,368
重油計	"	8,861,654	...	13,792,459	8,254,995	315,610
A重油	"	1,292,191	...	1,671,816	581,852	170,188
B・C重油	"	7,569,462	...	12,120,644	7,673,142	145,422
炭化水素油	"	1,680,360	...	4,526,800	2,429,560	-
炭液系炭化水素ガス	"	27,314,788	...	25,513,814	3,644,725	836,169
石油系炭化水素ガス	"	832,881	...	49,698,276	7,646,583	5,482,857
オイルフィールド	"	16,334,649	...	9,406,651	5,120,141	-
再生油(石油由来)	"	-	...	-	-	-
非石油系燃料(原油換算)	"	1,079,008	144,112,344	362,305,798	68,785,688	7,838,179
石炭(注2)	"	210,615,725	...	187,569,302	32,861,597	-
タコークス(注3)	"	22,318,215	76,589,667	71,762,317	-	-
コークス	"	1,120,679	2,704,474	1,722,477	-	-
高炉ガス	"	3,443,124	22,853,334	19,086,121	2,684,127	-
転炉ガス	"	866,132	35,173,586	24,881,465	8,929,602	-
電気炉ガス	"	181,336	4,857,281	3,490,836	1,244,835	-
天然ガス	"	850	87,690	64,149	63,208	-
液化天然ガス	"	1,823,888	199,198	1,986,535	688,543	577,788
都市ガス(A)	"	7,235,005	...	7,029,880	899,924	1,797,169
都市ガス(B)	"	18,517,728	...	18,517,434	3,462,526	5,462,174
回収黒液素	"	12,442,504	...	12,442,939	12,442,939	-
酸化タール	"	5,192,623	1,465,631	6,296,921	...	-
酸化タール	"	2,824,304	-	2,809,017	2,799,851	-
酸化タール	"	1,221,162	-	1,246,926	1,082,652	-
酸化タール	"	1,755,627	181,484	1,817,626	125,052	-
酸化タール	"	1,516,245	-	1,581,855	1,500,832	1,049

注1. 原油にはNGL・コンデンサートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年5月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,402,824	6,715,565	5,451,753	235,506	1,810,552	9,155,491	Total (Crude petroleum equivalent) (Net)
5,020,862	3,796,213	1,131,747	92,902	122,273	1,680,375	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,138	348	Crude petroleum
2,891	...	4	2,887	3	1,735	Gasoline
2,539,901	2,536,455	2,397	1,049	202	580,636	Naphtha
1,094,712	1,094,712	-	-	6,314	11,146	Oil produced by conversion
46,286	33,107	10,084	3,095	72	17,353	Kerosene
22,601	16,464	1,025	5,112	31	12,200	Gas oils
126,562	19,073	97,179	10,310	1,804	249,358	Heavy Fuel oil total
23,644	-	19,204	4,440	478	56,197	Heavy Fuel oil A
102,918	19,073	77,975	5,870	1,326	193,161	Heavy Fuel oil B・C
52,431	23,214	28,559	658	391	18,252	Hydrocarbon oil
419,813	361,073	34,873	23,867	43,496	133,145	Liquefied petroleum gas
717,036	37,100	652,108	27,828	...	...	Hydrocarbon gas
128,724	60,540	66,956	1,228	65,025	783,652	Petroleum coke
-	-	-	-	-	-	Asphalt
24,494	-	23,095	1,399	-	9,835	Reproduction oil (Oil origin)
7,381,962	2,919,352	4,320,006	142,604	1,688,279	7,475,116	Non-oil based fuels (Crude petroleum equivalent)
5,579,914	3,825,084	1,734,555	20,275	731,075	8,094,911	Coal
2,474,562	43,077	2,425,098	6,387	807,472	2,069,700	Coal coke
46,179	46,179	-	-	54,677	45,891	Tar
807,980	610	765,755	41,615	337,197	...	Coke oven gas
4,468,309	-	4,046,268	422,041	3,008,184	...	Blast furnace gas
269,628	-	241,143	28,485	153,974	...	Converter furnace gas
113	-	113	-	2,928	...	Electric furnaces gas
16,946	4,521	10,526	1,899	876	7	Natural gas
79,210	23,377	52,467	3,366	11,499	49,648	Liquefied natural gas
210,607	-	185,166	25,441	...	...	Town gas(A)
233,400	-	201,687	31,713	...	...	Town gas(B)
-	-	-	-	-	3,093	Black liquor
884,399	-	802,000	82,399	34,810	1,324	Oxygen
536	-	536	-	796	44,446	Waste material
4,948	636	4,312	-	-	25,910	Used tires
57,767	19,660	36,035	2,072	3,980	31,936	Waste plastic
2,973	-	2,973	-	-	17,468	Refuse Paper & Plastic Fuel
479,989,298	259,892,360	210,982,835	9,114,103	70,068,361	354,317,515	Total (Crude petroleum equivalent) (Net)
194,307,367	146,913,434	43,798,609	3,595,324	4,731,960	65,030,532	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	74,402	12,845	Crude petroleum
96,559	...	134	96,426	100	57,949	Gasoline
84,578,703	84,463,952	79,820	34,932	6,727	19,335,179	Naphtha
36,891,794	36,891,794	-	-	212,782	375,620	Oil produced by conversion
1,689,457	1,208,406	368,084	112,968	2,628	633,387	Kerosene
858,835	625,632	38,950	194,253	1,178	463,600	Gas oils
5,221,855	797,251	4,006,427	418,177	74,021	10,260,292	Heavy Fuel oil total
919,776	-	747,055	172,720	18,594	2,186,143	Heavy Fuel oil A
4,302,079	797,251	3,259,371	245,456	55,427	8,074,150	Heavy Fuel oil B・C
2,097,240	928,560	1,142,360	26,320	15,640	730,080	Hydrocarbon oil
21,032,920	18,089,757	1,747,274	1,195,889	2,179,150	6,670,601	Liquefied petroleum gas
36,568,836	1,892,100	33,257,508	1,419,228	...	...	Hydrocarbon gas
4,286,509	2,015,982	2,229,635	40,892	2,165,333	26,095,612	Petroleum coke
-	-	-	-	-	-	Asphalt
984,659	-	928,419	56,240	-	395,367	Reproduction oil (Oil origin)
285,681,931	112,978,926	167,184,225	5,518,779	65,336,401	289,286,983	Non-oil based fuels (Crude petroleum equivalent)
154,707,705	107,926,816	46,251,712	529,178	19,944,653	221,760,545	Coal
71,762,317	1,249,233	70,327,861	185,223	23,416,688	60,021,316	Coal coke
1,722,477	1,722,477	-	-	2,039,452	1,711,734	Tar
16,401,994	12,383	15,544,827	844,785	6,845,099	...	Coke oven gas
15,951,863	-	14,445,177	1,506,686	10,739,217	...	Blast furnace gas
2,246,001	-	2,008,721	237,280	1,282,603	...	Converter furnace gas
941	-	941	-	24,390	...	Electric furnaces gas
720,205	192,143	447,355	80,708	37,230	298	Natural gas
4,332,787	1,278,722	2,869,945	184,120	628,995	2,715,746	Liquefied natural gas
9,592,734	-	8,289,324	1,303,410	...	...	Town gas
-	-	-	-	-	42,065	Black liquor
6,296,921	-	5,710,240	586,681	247,847	9,427	Oxygen
9,166	-	9,166	-	13,612	760,027	Waste material
164,274	21,115	143,158	-	-	860,212	Used tires
1,692,573	576,038	1,055,826	60,710	116,614	935,725	Waste plastic
79,974	-	79,974	-	-	469,889	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(May, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	993,758	979,772	905,739	40,624
石 油 系 燃 料 (原 油 換 算)	〃	159,254	157,836	131,733	26
ガ ソ リ ン	〃	8	7	...	...
灯 油	〃	564	674	299	-
軽 油	〃	317	309	3	7
重 油 計	〃	59,318	58,102	39,711	19
A 重 油	〃	5,663	6,145	5,423	19
B・C 重 油	〃	53,655	51,957	34,288	-
炭 化 水 素 油	〃	3,988	3,577	2,718	-
液 化 石 油 ガ ス	t	64,865	65,188	63,939	-
オ イ ル コ ー ク ス	〃	4,160	4,835	3,163	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,969	2,259	632	-
非 石 油 系 燃 料 (原 油 換 算)	kl	834,503	821,936	774,007	40,598
石 炭	t	445,505	424,014	424,014	-
炭 コ ー ク ス	〃	-	150	-	-
天 然 ガ ス	1000m ³	2,634	2,634	1,357	843
液 化 天 然 ガ ス	t	9,112	9,141	4,972	3,152
都 市 ガ ス (A)	1000m ³	61,451	61,451	26,435	30,573
都 市 ガ ス (B)	〃	66,270	66,271	28,287	33,135
回 収 黒 液 材	絶乾(Dry)t	914,890	914,922	914,922	-
廃 タ イ ヤ	t	17,197	17,741	17,741	-
廃 プ ラ ス チ ッ ク	〃	4,190	4,268	4,268	-
R P F	〃	52,164	54,509	54,470	39

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	195,719	151,150	103,468	36,277
石 油 系 燃 料 (原 油 換 算)	〃	88,141	34,624	30,532	188
ガ ソ リ ン	〃	4	4	...	...
灯 油	〃	218	228	34	-
軽 油	〃	13	13	-	6
重 油 計	〃	14,840	14,509	11,015	181
A 重 油	〃	1,674	1,457	960	181
B・C 重 油	〃	13,166	13,052	10,055	-
炭 化 水 素 油	〃	34	34	34	-
液 化 石 油 ガ ス	t	148	152	31	-
オ イ ル コ ー ク ス	〃	83,431	21,615	21,615	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	107,578	116,526	72,936	36,089
石 炭	t	80,132	93,347	93,347	-
液 化 天 然 ガ ス	〃	1,074	1,097	1,022	-
都 市 ガ ス (A)	1000m ³	45,190	45,190	7,683	31,098
都 市 ガ ス (B)	〃	48,980	48,983	8,038	33,982
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	〃	-	-	-	-

(令和3年5月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
33,409	29,321	4,088	11,610	462,373	Total (Crude petroleum equivalent)
26,078	22,780	3,298	1,121	92,690	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	2	Gasoline
375	335	40	1	835	Kerosene
299	2	297	11	22	Gas oils
18,372	17,093	1,279	1,033	65,017	Heavy Fuel oil total
703	628	75	88	6,212	Heavy Fuel oil A
17,669	16,465	1,204	945	58,805	Heavy Fuel oil B・C
859	827	32	-	4,215	Hydrocarbon oil
1,249	654	595	-	10,043	Liquefied petroleum gas
1,672	1,142	530	-	2,632	Petroleum coke
-	-	-	-	-	Asphalt
1,627	1,312	315	-	2,404	Reproduction oil (Oil origin)
7,331	6,541	790	10,490	369,683	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	15,032	475,900	Coal
150	-	150	-	240	Coal coke
434	430	4	-	...	Natural gas
1,017	917	100	-	697	Liquefied natural gas
4,443	3,983	460	...	...	Town gas(A)
4,849	4,348	501	...	...	Town gas(B)
-	-	-	-	3,093	Black liquor
351	351	-	796	44,446	Waste material
-	-	-	-	17,081	Used tires
-	-	-	-	199	Waste plastic
-	-	-	-	17,310	Refuse Paper & Plastic Fuel
11,405	7,261	4,145	-	180,824	Total (Crude petroleum equivalent)
3,905	2,190	1,715	-	92,715	Oil based fuels (Crude petroleum equivalent)
4	...	4	-	-	Gasoline
194	78	116	-	61	Kerosene
7	-	7	-	7	Gas oils
3,313	1,853	1,460	-	22,679	Heavy Fuel oil total
316	55	261	-	6,360	Heavy Fuel oil A
2,997	1,798	1,199	-	16,319	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
121	92	29	-	83	Liquefied petroleum gas
-	-	-	-	79,636	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,501	5,071	2,430	-	88,109	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	130,121	Coal
75	75	-	-	250	Liquefied natural gas
6,409	4,328	2,081	...	...	Town gas(A)
6,963	4,675	2,288	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(May, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	24,499	960,577	285,518	124,547
石 油 系 燃 料 (原 油 換 算)	"	-	917,289	265,910	117,578
ガ ソ リ ン	"	...	17	...	...
ナ フ サ	"	...	7,181	-	18
灯 油	"	...	5,065	26	5,002
軽 油	"	...	804	-	-
重 油 計	"	...	116,792	95,042	3,327
A 重 油	"	...	9,518	2,670	3,171
B・C 重 油	"	...	107,274	92,372	156
炭 化 水 素 油	"	...	-	-	-
液 化 石 油 ガ ス	t	...	23,557	523	10,138
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	545,249	99,937	73,124
オ イ ル コ ー ク ス	t	...	36,089	36,089	-
ア ス フ ァ ル ト	"	...	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	24,499	43,288	19,608	6,968
石 炭	t	-	27,859	27,859	-
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	17,079	17,079	331	4,930
都 市 ガ ス (A)	1000m ³	308	308	302	-
都 市 ガ ス (B)	"	338	338	331	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	33,324	32,920	353	2,620
石 油 系 燃 料 (原 油 換 算)	"	5,337	4,930	2	-
ガ ソ リ ン	"	-	-	...	...
灯 油	"	3	5	2	-
軽 油	"	3	2	-	-
重 油 計	"	4,554	4,252	-	-
A 重 油	"	238	337	-	-
B・C 重 油	"	4,316	3,915	-	-
液 化 石 油 ガ ス	t	53	54	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	348	275	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	27,988	27,990	351	2,620
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,536	5,538	24	378
都 市 ガ ス (A)	1000m ³	17,498	17,498	274	1,794
都 市 ガ ス (B)	"	18,985	18,985	298	1,964
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年5月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
550,512	72,049	450,016	28,447	Total (Crude petroleum equivalent)
533,801	61,266	444,378	28,157	Oil based fuels (Crude petroleum equivalent)
17	...	...	17	Gasoline
7,163	4,766	2,397	-	Naphtha
37	-	31	6	Kerosene
804	-	752	52	Gas oils
18,423	-	15,892	2,531	Heavy Fuel oil total
3,677	-	2,974	703	Heavy Fuel oil A
14,746	-	12,918	1,828	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
12,896	8,779	4,100	17	Liquefied petroleum gas
372,188	34,754	318,173	19,261	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
16,711	10,783	5,638	290	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	-	-	Natural gas
11,818	7,629	3,989	200	Liquefied natural gas
6	-	-	6	Town gas(A)
7	-	-	7	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
29,947	29,373	574	27	4,133	Total (Crude petroleum equivalent)
4,928	4,900	27	27	4,106	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
3	1	2	-	63	Kerosene
2	1	1	1	-	Gas oils
4,252	4,229	23	26	3,626	Heavy Fuel oil total
337	314	23	26	852	Heavy Fuel oil A
3,915	3,915	-	-	2,774	Heavy Fuel oil B・C
54	53	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
275	275	-	-	169	Reproduction oil (Oil origin)
25,019	24,472	547	-	27	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,136	5,136	-	-	19	Liquefied natural gas
15,430	14,957	473	...	...	Town gas(A)
16,723	16,208	515	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(May, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,281,788	622,652	5,777,043 5,162,715	592,965	118,302
石油系燃料（原油換算）	"	4,003,787	-	4,539,181	247,760	54,896
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ ー リ ン	"	15	...	15	...	...
ナ フ サ	"	2,510,732	...	2,532,738	-	-
改 質 生 成 油	"	1,107,918	...	1,094,712	...	...
灯 油	"	37,511	...	35,670	70	346
軽 油	"	19,340	...	16,772	-	-
重 油	"	73,743	...	74,567	43,477	773
A 重 油	"	4,069	...	4,540	1,815	773
B・C 重 油	"	69,674	...	70,027	41,662	-
炭 化 水 素 油	"	11,215	...	84,612	57,987	-
液 化 石 油 ガ ス	t	453,811	...	392,456	2,827	6,552
石油系炭化水素ガス（注2）	1000m ³	16,328	...	429,224	49,996	34,383
オ イ ル コ ー ク ス	t	143,428	...	132,738	82,090	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	838	-	838	726	-
非石油系燃料（原油換算）	kl	1,278,002	622,652	1,237,862	345,205	63,405
石 炭	t	1,530,719	-	1,376,656	430,275	-
タ ー ク ス	"	9,130	632,938	12,809	...	-
コ ー ク ス	"	24,730	12,279	37,045	-	-
高 炉 ガ ス	1000m ³	5,670	244,399	110,228	3,612	-
転 炉 ガ ス	"	106,662	-	106,662	-	-
天 然 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	34,296	4,687	38,107	14,320	10,907
都 市 ガ ス （ A ）	t	68,146	...	58,176	7,077	19,995
都 市 ガ ス （ B ）	1000m ³	47,673	...	47,673	12,053	21,551
廃 タ イ ヤ	t	49,680	...	49,680	12,919	21,813
廃 プ ラ ス チ ック	t	13,862	-	14,869	14,869	-
R P	"	3,447	4,196	7,851	-	-
	"	1,323	-	1,323	1,323	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	732,086	-	727,822 727,822	250,827	6,869
石油系燃料（原油換算）	"	116,894	-	135,160	10,358	848
ガ ソ ー リ ン	"	35	...	36	...	...
灯 油	"	1,158	...	1,300	177	-
軽 油	"	1,108	...	1,103	-	-
重 油	"	32,646	...	33,612	849	785
A 重 油	"	2,050	...	2,351	605	-
B・C 重 油	"	30,596	...	31,261	244	785
炭 化 水 素 油	"	15,788	...	15,376	-	-
液 化 石 油 ガ ス	t	1,620	...	1,635	-	-
オ イ ル コ ー ク ス	"	47,273	...	67,692	10,801	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	19,717	-	19,671	25	-
非石油系燃料（原油換算）	kl	615,192	-	592,662	240,468	6,021
石 炭	t	788,632	...	755,069	352,810	-
タ ー ク ス	"	18,287	-	18,267	-	-
コ ー ク ス	"	24,142	-	24,142	-	-
高 炉 ガ ス	1000m ³	1,425	-	1,425	-	-
転 炉 ガ ス	"	15,839	-	15,839	-	-
電 気 炉 ガ ス	"	102	-	102	-	-
天 然 ガ ス	"	8,867	-	8,867	1,876	5,483
液 化 天 然 ガ ス	t	53	-	53	-	-
都 市 ガ ス （ A ）	1000m ³	8,009	...	8,009	446	-
都 市 ガ ス （ B ）	"	12,643	...	12,642	439	-
廃 材	絶乾(Dry)t	185	-	185	-	-
廃 タ イ ヤ	t	5,712	-	4,312	-	-
廃 プ ラ ス チ ック	"	30,605	-	32,265	-	-
R P	"	2,879	-	2,973	-	-

注1. 合計（原油換算）の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年5月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,065,777	4,390,099	635,045	40,632	608,110	2,525,726	Total (Crude petroleum equivalent) (Net)
4,236,525	3,719,227	482,413	34,885	63,860	1,026,569	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,138	138	NGL・condensate
15	...	...	15	-	2	Gasoline
2,532,738	2,531,689	-	1,049	202	580,636	Naphtha
1,094,712	1,094,712	...	...	6,314	11,146	Oil produced by conversion
35,254	33,107	1,584	563	-	7,166	Kerosene
16,772	16,464	-	308	-	10,603	Gas oils
30,317	19,073	9,217	2,027	87	58,413	Heavy Fuel oil total
1,952	-	1,213	739	87	6,485	Heavy Fuel oil A
28,365	19,073	8,004	1,288	-	51,928	Heavy Fuel oil B・C
26,625	16,820	9,742	63	...	...	Hydrocarbon oil
383,077	352,294	16,070	14,713	43,395	98,189	Liquefied petroleum gas
344,845	2,346	333,932	8,567	...	...	Hydrocarbon gas
50,648	49,951	-	697	-	360,297	Petroleum coke
-	-	-	-	-	-	Asphalt
112	-	112	-	-	-	Reproduction oil (Oil origin)
829,252	670,873	152,632	5,747	544,250	1,499,157	Non-oil based fuels (Crude petroleum equivalent)
946,381	883,668	62,713	-	17,361	1,801,689	Coal
12,809	9,674	3,135	-	591,141	343,896	Coal coke
37,045	37,045	-	-	1,264	24,908	Tar
106,616	166	105,363	1,087	139,839	...	Coke oven gas
106,662	-	106,662	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
12,880	4,521	6,501	1,858	876	...	Natural gas
31,104	15,748	15,330	26	9,930	220	Liquefied natural gas
14,069	...	11,375	2,694	...	...	Town gas(A)
14,948	...	12,029	2,919	...	...	Town gas(B)
-	-	-	-	-	1,912	Used tires
7,851	6,136	1,715	-	-	537	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
470,126	9,986	447,795	12,346	11,478	765,220	Total (Crude petroleum equivalent) (Net)
123,954	4,961	114,765	4,227	11,457	179,515	Oil based fuels (Crude petroleum equivalent)
36	...	...	36	-	-	Gasoline
1,123	-	1,039	84	-	443	Kerosene
1,103	-	244	859	8	113	Gas oils
31,978	-	29,959	2,019	-	43,183	Heavy Fuel oil total
1,746	-	1,211	535	-	5,028	Heavy Fuel oil A
30,232	-	28,748	1,484	-	38,155	Heavy Fuel oil B・C
15,376	-	15,376	-	391	3,257	Hydrocarbon oil
1,635	-	1,548	87	-	179	Liquefied petroleum gas
56,891	5,766	51,124	1	12,836	143,168	Petroleum coke
-	-	-	-	-	-	Asphalt
19,646	-	18,667	979	-	5,710	Reproduction oil (Oil origin)
346,172	5,024	333,030	8,118	22	585,705	Non-oil based fuels (Crude petroleum equivalent)
402,259	872	400,708	679	23	835,106	Coal
18,267	5,920	12,323	24	8	15,005	Coal coke
24,142	-	24,142	-	-	...	Coke oven gas
1,425	-	1,425	-	-	...	Blast furnace gas
15,839	-	15,839	-	-	...	Converter furnace gas
102	-	102	-	-	...	Electric furnaces gas
1,508	-	1,508	-	-	...	Natural gas
53	-	4	49	-	-	Liquefied natural gas
7,563	...	4,592	2,971	...	...	Town gas(A)
12,203	...	5,072	7,131	...	...	Town gas(B)
185	-	185	-	-	-	Waste material
4,312	-	4,312	-	-	5,551	Used tires
32,265	-	32,265	-	-	8,424	Waste plastic
2,973	-	2,973	-	-	158	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(May, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	5,082,144	3,101,181	6,749,512	525,466	9,140
（ネット）	〃	-	-	3,649,844	-	-
石油系燃料（原油換算）	〃	250,727	-	86,919	13,093	2,836
ガソリン	〃	87	...	89	...	...
灯油	〃	7,165	...	7,153	168	-
軽油	〃	1,840	...	1,861	-	-
重油計	〃	21,297	...	22,676	7,239	2,632
A重油	〃	13,208	...	12,044	2,335	94
B・C重油	〃	8,089	...	10,632	4,904	2,538
炭化水素油	〃	7,875	...	6,394	-	-
液化石油ガス	t	19,119	...	20,570	4,087	-
石油系炭化水素ガス	1000m ³	3	...	3	-	-
オイルコークス	t	217,325	...	24,750	...	-
アスファルト	〃	-	...	-	-	-
再生油（石油由来）	kl	167	-	129	-	-
非石油系燃料（原油換算）	kl	4,831,417	3,101,181	6,662,593	512,373	6,304
コークス製造用炭（原料炭）	t	3,638,573	...	3,239,982	-	-
石炭	〃	1,621,103	...	1,271,088	221,400	-
石炭コークス	〃	735,885	2,008,085	2,434,599	...	-
ターナル	〃	5,315	60,227	9,134	-	-
コークス炉ガス	1000m ³	139,800	881,381	805,833	128,611	-
高炉ガス	〃	134,527	9,852,545	6,821,511	2,486,861	-
転炉ガス	〃	5,930	583,107	403,229	149,440	-
電気炉ガス	〃	-	10,527	7,599	7,588	-
天然ガス	〃	2,110	-	2,126	232	-
液化天然ガス	t	23,576	...	29,733	2,205	1,427
都市ガス（A）	1000m ³	163,110	...	163,110	24,423	3,713
都市ガス（B）	〃	178,228	...	178,218	26,663	4,037
酸素	1000Nm ³	729,301	205,847	884,399	...	-
廃材	絶乾(Dry)t	1,581	-	1,581	1,581	-
廃タイヤ	t	11	-	636	-	-
廃プラスチック	〃	23,184	1,998	19,366	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年5月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,214,906	2,252,681	3,838,442	123,783	1,179,325	5,544,327	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
70,990	15,558	43,253	12,180	45,808	268,852	Oil based fuels (Crude petroleum equivalent)
89	...	4	85	3	17	Gasoline
6,985	...	5,549	1,436	71	3,532	Kerosene
1,861	...	17	1,844	11	113	Gas oils
12,805	-	12,397	408	658	49,844	Heavy Fuel oil total
9,615	...	9,317	298	277	22,511	Heavy Fuel oil A
3,190	-	3,080	110	381	27,333	Heavy Fuel oil B・C
6,394	6,394	-	-	-	9,918	Hydrocarbon oil
16,483	-	9,901	6,582	101	23,172	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
24,750	10,400	14,350	-	52,189	200,234	Petroleum coke
-	-	-	-	-	-	Asphalt
129	-	129	-	-	674	Reproduction oil (Oil origin)
6,143,916	2,237,124	3,795,189	111,603	1,133,518	5,275,476	Non-oil based fuels (Crude petroleum equivalent)
3,239,982	2,890,044	349,938	-	308,427	3,744,060	Coal for making coke (material coal)
1,049,688	50,812	979,280	19,596	390,232	1,618,870	Coal
2,434,599	33,143	2,396,698	4,758	216,323	1,708,813	Coal coke
9,134	9,134	-	-	53,413	20,983	Tar
677,222	444	636,250	40,528	197,358	...	Coke oven gas
4,334,650	-	3,912,609	422,041	3,008,184	...	Blast furnace gas
253,789	-	225,304	28,485	153,974	...	Converter furnace gas
11	-	11	-	2,928	...	Electric furnaces gas
1,894	-	1,864	30	-	7	Natural gas
26,101	-	23,644	2,457	1,569	47,870	Liquefied natural gas
134,974	...	127,857	7,117	...	...	Town gas(A)
147,518	...	139,736	7,782	...	...	Town gas(B)
884,399	-	802,000	82,399	34,810	1,324	Oxygen
-	-	-	-	-	-	Waste material
636	636	-	-	-	1,673	Used tires
19,366	13,524	3,770	2,072	3,980	23,313	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(May, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	37,120	46,916	2,241	-
石 油 系 燃 料 (原 油 換 算)	"	18,221	19,320	616	-
ガ ソ リ ン	"	5	5	...	...
灯 油	"	1,335	1,316	63	-
軽 油	"	251	254	-	-
重 油	"	9,165	10,239	543	-
A 重 油	"	4,123	4,452	402	-
B・C 重 油	"	5,042	5,787	141	-
炭 化 水 素 油	"	3,109	3,177	-	-
液 化 石 油 ガ ス	t	541	551	-	-
オ イ ル コ ー ク ス	"	344	340	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,802	2,705	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	18,899	27,595	1,625	-
石 炭	t	707	4,629	-	-
石 炭	"	14,065	17,222	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	40,000	14,428	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,215	2,212	111	-
都 市 ガ ス (A)	1000m ³	4,249	4,249	117	-
都 市 ガ ス (B)	"	4,474	4,474	129	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	121,929	122,196	17,520	52,213
石 油 系 燃 料 (原 油 換 算)	"	15,874	16,123	3,237	169
ガ ソ リ ン	"	2,771	2,782	...	...
灯 油	"	2,294	2,256	544	-
軽 油	"	1,846	1,916	-	23
重 油	"	2,612	2,754	981	146
A 重 油	"	2,606	2,754	981	146
B・C 重 油	"	6	-	-	-
炭 化 水 素 油	"	-	-	-	-
液 化 石 油 ガ ス	t	5,313	5,362	1,342	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	106,055	106,074	14,282	52,043
石 炭	t	-	-	-	-
石 炭	"	553	555	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	2,418	2,418	250	1,845
液 化 天 然 ガ ス	t	7,167	7,179	876	3,306
都 市 ガ ス (A)	1000m ³	79,963	79,963	11,010	39,032
都 市 ガ ス (B)	"	87,433	87,433	12,024	42,696
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年5月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
44,675	41,364	3,311	21,807	Total (Crude petroleum equivalent)
18,705	16,803	1,901	8,565	Oil based fuels (Crude petroleum equivalent)
5	...	5	2	Gasoline
1,253	1,003	250	554	Kerosene
254	4	250	16	Gas oils
9,696	9,100	596	5,783	Heavy Fuel oil total
4,050	3,457	593	2,210	Heavy Fuel oil A
5,646	5,643	3	3,573	Heavy Fuel oil B・C
3,177	2,614	563	862	Hydrocarbon oil
551	454	97	67	Liquefied petroleum gas
340	340	-	63	Petroleum coke
-	-	-	-	Asphalt
2,705	2,600	105	878	Reproduction oil (Oil origin)
25,970	24,561	1,410	13,242	Non-oil based fuels (Crude petroleum equivalent)
4,629	4,629	-	9,322	Coal
17,222	15,767	1,455	9,072	Coal coke
-	-	-	...	Coke oven gas
25,572	25,572	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
-	-	-	...	Natural gas
2,101	1,875	226	111	Liquefied natural gas
4,132	4,132	-	...	Town gas(A)
4,345	4,345	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
52,464	31,139	21,325	19,620	Total (Crude petroleum equivalent)
12,716	4,257	8,459	18,911	Oil based fuels (Crude petroleum equivalent)
2,782	...	2,782	1,723	Gasoline
1,712	1,078	634	5,049	Kerosene
1,893	5	1,888	1,353	Gas oils
1,627	377	1,250	9,454	Heavy Fuel oil total
1,627	377	1,250	9,312	Heavy Fuel oil A
-	-	-	142	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
4,020	2,206	1,814	1,405	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
39,748	26,883	12,866	708	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
555	555	-	38	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
323	316	7	...	Natural gas
2,997	2,524	473	481	Liquefied natural gas
29,921	19,441	10,480	...	Town gas(A)
32,713	21,235	11,478	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(May, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計 Total	購入電力(買電) Purchase	自 家 発 電		
			計 Total	火 力 Thermal	コージェネレーション Cogeneration
合 計(注1)	16,192,126	8,568,033	7,624,093	5,615,211	1,175,323
事業所重複分補正量	960,782	223,806	736,976	648,313	38,501
パルプ・紙・板紙工業	2,243,725	399,671	1,844,054	1,695,750	119,380
化学工業	3,278,156	1,403,327	1,874,829	1,399,404	333,735
化学繊維工業	523,603	197,740	325,863	209,889	115,858
石油製品工業	1,034,425	183,500	850,925	466,198	375,316
窯業・土石製品工業	1,384,368	375,094	1,009,274	868,188	21,475
ガラス製品工業	102,529	86,613	15,916	-	8,407
鉄鋼業(注2)	6,012,475	3,919,228	2,093,247	1,621,167	37,317
非鉄金属地金工業	505,779	364,601	141,178	2,917	-
機械工業	2,067,848	1,862,065	205,783	11	202,336

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「其他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計 Total	受 入 Receipts	蒸 気 発 生 Generation		
			計 Total	一次蒸気 Primary steam	一次蒸気 Other than コージェネレーション Cogeneration
合 計(注)	39,426,777	2,936,835	36,489,942	29,280,867	1,944,600
事業所重複分補正量	2,644,824	37,413	2,607,411	2,520,668	64,116
パルプ・紙・板紙工業	12,141,875	59,294	12,082,581	11,767,236	258,352
化学工業	12,575,374	2,064,727	10,510,647	7,812,450	726,842
化学繊維工業	1,674,849	110,162	1,564,687	1,351,343	205,015
石油製品工業	5,441,505	342,525	5,098,980	3,683,550	746,916
窯業・土石製品工業	3,454,094	7,703	3,446,391	3,168,772	40,991
ガラス製品工業	11,029	-	11,029	4,382	6,647
鉄鋼業	6,455,536	350,973	6,104,563	3,985,969	23,953
非鉄金属地金工業	317,339	38,864	278,475	27,833	-

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年5月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
216,222	617,337	14,354,007	1,838,119	Total
47,929	2,233	851,749	109,033	Duplication adjustment
23,779	5,145	2,029,967	213,758	Pulp,Paper,Paperboard industry
79,954	61,736	2,822,549	455,607	Chemical products industry
-	116	456,848	66,755	Chemical fibers products industry
...	9,411	742,657	291,768	Petroleum products industry
47,929	71,682	1,197,402	186,966	Ceramics,clay and stone products industry
7,501	8	102,486	43	Glass products industry
88	434,675	5,310,098	702,377	Iron and steel products industry
	(炉頂圧) 232,279			
104,900	33,361	479,011	26,768	Non-ferrous metals products industry
...	3,436	2,064,738	3,110	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,264,475	37,604,726	18,344,608	16,608,856	2,651,262	1,822,051	Total
22,627	2,601,989	799,742	1,801,550	697	42,835	Duplication adjustment
56,993	12,070,808	5,329,570	6,444,861	296,377	71,067	Pulp,Paper,Paperboard industry
1,971,355	11,391,946	7,104,239	3,741,774	545,933	1,183,428	Chemical products industry
8,329	1,647,702	836,907	774,762	36,033	27,147	Chemical fibers products industry
668,514	5,164,219	3,244,588	1,491,639	427,992	277,286	Petroleum products industry
236,628	3,406,008	644,123	2,717,587	44,298	48,086	Ceramics,clay and stone products industry
-	11,029	9,790	-	1,239	-	Glass products industry
2,094,641	6,198,022	1,852,344	3,208,452	1,137,226	257,514	Iron and steel products industry
250,642	316,981	122,789	31,331	162,861	358	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(May, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	590,631	579,722	194,837	246,805	138,080	2,556	8,353	111,751
石 油 系 燃 料 (原 油 換 算)	〃	26,078	24,999	21,959	2,832	208	641	438	3,905
ガ ソ リ ン	〃	7	5	2	3	-	-	2	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	375	344	30	305	9	20	11	194
軽 油	〃	299	268	155	68	45	7	24	7
重 油 計	〃	18,372	17,412	16,828	468	116	566	394	3,313
A 重 油	〃	703	308	12	183	113	1	394	316
B・C 重 油	〃	17,669	17,104	16,816	285	3	565	-	2,997
炭 化 水 素 油	〃	859	859	859	-	-	-	-	-
液 化 石 油 ガ ス	t	1,249	1,241	8	1,213	20	3	5	121
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	1,672	1,672	1,394	278	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,627	1,627	1,448	167	12	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,331	7,181	1,159	5,255	767	54	96	7,501
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	150	150	150	-	-	-	-	-
天 然 ガ ス	1000m ³	434	434	-	434	-	-	-	-
液 化 天 然 ガ ス	t	1,017	1,017	631	216	170	-	-	75
都 市 ガ ス (A)	1000m ³	4,443	4,308	-	3,862	446	47	88	6,409
都 市 ガ ス (B) (注 2)	〃	4,849	4,708	-	4,212	496	51	90	6,963
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	351	351	351	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,029,967	1,955,061	538,792	938,598	477,671	10,883	64,023	456,848
蒸 気	t	5,329,570	5,290,343	1,759,198	2,190,447	1,340,698	12,272	26,955	836,907

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	942,530	923,150	279,681	455,965	187,504	3,064	16,317	161,324
石 油 系 燃 料 (原 油 換 算)	〃	154,162	151,946	35,037	106,352	10,557	720	1,497	32,223
ガ ソ リ ン	〃	7	5	2	3	-	-	2	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	589	557	72	349	136	22	11	228
軽 油	〃	308	271	155	68	48	7	30	13
重 油 計	〃	55,097	53,322	26,433	17,275	9,614	592	1,185	12,895
A 重 油	〃	5,599	4,721	226	2,862	1,633	16	862	1,350
B・C 重 油	〃	49,498	48,599	26,207	14,412	7,980	575	323	11,545
炭 化 水 素 油	〃	3,394	3,201	1,863	1,338	-	-	193	29
液 化 石 油 ガ ス	t	65,188	65,141	8	65,113	20	42	5	152
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	4,633	4,633	2,990	1,643	-	-	-	20,848
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,234	2,201	1,707	403	91	-	32	-
非 石 油 系 燃 料 (原 油 換 算)	kl	745,146	730,081	238,997	326,226	164,858	1,461	13,602	103,092
石 炭	t	372,889	372,188	121,015	162,717	88,456	425	276	83,705
石 炭 コ ー ク ス	〃	150	150	150	-	-	-	-	-
天 然 ガ ス	1000m ³	2,523	2,523	277	2,178	68	-	-	-
液 化 天 然 ガ ス	t	7,706	7,494	631	782	6,081	213	-	1,041
都 市 ガ ス (A)	1000m ³	57,613	52,623	316	17,891	34,416	722	4,268	39,309
都 市 ガ ス (B) (注 2)	〃	62,087	56,690	346	18,984	37,360	742	4,655	42,531
回 収 黒 液	絶乾(Dry)t	867,406	848,975	361,381	437,054	50,540	121	18,311	-
廃 材	〃	135,386	133,145	34,201	46,399	52,545	92	2,149	-
廃 タ イ ヤ	t	16,041	15,588	5,827	6,202	3,559	-	454	-
廃 プ ラ ス チ ッ ク	〃	4,171	4,160	1,369	2,222	569	-	11	-
R P F	〃	46,588	45,590	10,879	16,881	17,830	4	993	-
電 力	1000kWh	420,590	400,337	60,704	214,051	125,582	7,161	13,092	197,740
蒸 気	t	59,294	56,169	-	50,275	5,894	3,125	-	110,162

注1. 原油換算値は38.2MJ/lである。

注2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年5月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の 繊維製品 Other textiles	その他の 製品 Others	石油製品 工業 石油製品 工業	石油製品 Petroleum	その他の 製品 Others	ガラス製品 工業 ガラス製品 工業	ガラス製品 Grass	その他の 製品 Others	
36,494	681	74,577	843,867	840,597	3,271	40,157	39,121	1,036	Total (Crude petroleum equivalent)
1,086	13	2,805	533,801	533,727	74	4,928	4,858	69	Oil based fuels (Crude petroleum equivalent)
1	-	3	17	14	3	-	-	-	Gasoline
-	-	-	7,163	7,163	-	-	-	-	Naphtha
77	-	117	37	31	6	3	2	1	Kerosene
2	-	5	804	769	35	2	2	-	Gas oils
929	-	2,384	18,423	18,423	-	4,252	4,184	68	Heavy Fuel oil total
23	-	293	3,677	3,677	-	337	269	68	Heavy Fuel oil A
906	-	2,091	14,746	14,746	-	3,915	3,915	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
7	10	104	12,896	12,896	-	54	54	-	Liquefied petroleum gas
-	-	-	372,188	372,164	24	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	275	275	-	Reproduction oil (Oil origin)
590	12	6,899	16,711	16,711	-	25,019	24,869	150	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	-	-	-	Natural gas
75	-	-	11,818	11,818	-	5,136	5,136	-	Liquefied natural gas
423	10	5,976	6	6	-	15,430	15,301	129	Town gas(A)
456	11	6,496	7	7	-	16,723	16,581	141	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
121,270	3,799	331,779	742,657	715,258	27,399	102,486	93,704	8,782	Electricity
340,503	4,380	492,024	3,244,588	3,235,219	9,369	9,790	9,790	-	Steam
45,659	772	114,893	903,846	896,996	6,850	41,452	40,416	1,036	Total (Crude petroleum equivalent)
10,255	161	21,808	822,765	817,023	5,742	4,930	4,860	69	Oil based fuels (Crude petroleum equivalent)
1	-	3	17	14	3	-	-	-	Gasoline
-	-	-	7,181	7,179	1	-	-	-	Naphtha
77	-	151	5,005	4,850	155	5	4	1	Kerosene
2	-	10	804	769	35	2	2	-	Gas oils
4,225	70	8,601	88,696	87,409	1,287	4,252	4,184	68	Heavy Fuel oil total
197	54	1,099	9,204	9,139	65	337	269	68	Heavy Fuel oil A
4,027	16	7,502	79,492	78,270	1,222	3,915	3,915	-	Heavy Fuel oil B・C
25	-	4	-	-	-	-	-	-	Hydrocarbon oil
7	10	135	22,978	22,466	512	54	54	-	Liquefied petroleum gas
-	-	-	508,285	506,353	1,932	-	-	-	Hydrocarbon gas
6,503	89	14,256	19,025	17,906	1,119	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	275	275	-	Reproduction oil (Oil origin)
21,196	109	81,787	40,335	40,112	223	27,772	27,622	150	Non-oil based fuels (Crude petroleum equivalent)
19,487	-	64,219	24,630	24,463	167	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	-	-	-	Natural gas
914	-	127	16,531	16,531	-	5,412	5,412	-	Liquefied natural gas
5,884	95	33,331	308	213	95	17,464	17,335	129	Town gas(A)
6,367	102	36,061	337	233	104	18,947	18,806	141	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
80,740	3,351	113,649	183,500	179,890	3,610	94,071	85,289	8,782	Electricity
96,901	2,759	10,502	342,525	334,580	7,945	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(May, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	5,819,396	4,796,012	4,624,373	3,674,131	950,242
石 油 系 燃 料 (原 油 換 算)	"	4,236,525	4,186,239	4,142,530	3,670,544	471,986
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	15	3	3	...	3
ナフサ	"	2,532,738	2,526,723	2,526,723	2,526,723	-
改質生成油	"	1,094,712	1,094,712	1,094,712	1,094,712	...
灯油	"	35,254	32,572	32,572	32,368	204
軽油	"	16,772	16,438	16,438	16,437	1
重油	"	30,317	21,457	21,457	19,073	2,384
A重油	"	1,952	785	785	-	785
B・C重油	"	28,365	20,672	20,672	19,073	1,599
炭化水素油	"	26,625	22,863	22,863	16,242	6,621
液化石油ガス	t	383,077	369,042	369,016	352,641	16,375
石油系炭化水素ガス	1000m ³	344,845	342,715	336,694	1,877	334,817
オイルコークス	t	50,648	41,608	71	71	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	112	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	829,253	55,490	25,728	3,587	22,141
石炭	t	946,381	47	-	-	-
石炭コークス	"	12,809	2,703	-	...	-
タール	"	37,045	-	-	-	-
コークス炉ガス	1000m ³	106,616	1,119	53	-	53
高炉ガス	"	106,662	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	12,880	4,972	4,719	-	4,719
液化天然ガス	t	31,104	25,310	10,505	2,538	7,967
都市ガス(A)	1000m ³	14,069	7,423	4,937	...	4,937
都市ガス(B)	"	14,948	7,942	5,339	...	5,339
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	7,851	4,196	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	2,822,549	1,809,028	1,071,925	...	1,071,925
蒸 気	t	7,104,239	5,584,401	5,156,156	...	5,156,156

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	5,893,936	4,782,938	4,574,509	3,674,131	900,378
石 油 系 燃 料 (原 油 換 算)	"	4,428,178	4,340,823	4,282,598	3,670,544	612,054
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	15	3	3	...	3
ナフサ	"	2,532,738	2,526,723	2,526,723	2,526,723	-
改質生成油	"	1,094,712	1,094,712	1,094,712	1,094,712	-
灯油	"	35,640	32,958	32,958	32,368	590
軽油	"	16,772	16,438	16,438	16,437	1
重油	"	59,225	44,451	41,719	19,073	22,646
A重油	"	3,735	2,099	1,644	-	1,644
B・C重油	"	55,490	42,351	40,076	19,073	21,003
炭化水素油	"	65,501	60,227	60,146	16,242	43,904
液化石油ガス	t	387,610	373,519	373,451	352,641	20,810
石油系炭化水素ガス	1000m ³	407,892	392,940	384,653	1,877	382,776
オイルコークス	t	85,872	62,674	11,285	71	11,214
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	838	726	726	-	726
非 石 油 系 燃 料 (原 油 換 算)	kl	1,185,744	237,190	127,989	3,587	124,402
石炭	t	1,315,105	159,666	63,414	-	63,414
石炭コークス	"	12,809	2,703	-	-	-
タール	"	37,045	-	-	-	-
コークス炉ガス	1000m ³	110,190	2,068	312	-	312
高炉ガス	"	106,662	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	37,801	14,129	7,781	-	7,781
液化天然ガス	t	53,064	44,698	27,701	2,538	25,163
都市ガス(A)	1000m ³	45,953	29,342	22,934	-	22,934
都市ガス(B)	"	47,825	30,043	23,294	-	23,294
廃プラスチック	t	13,639	13,639	13,639	-	13,639
廃プラスチック	"	7,851	4,196	-	-	-
RPF	"	1,323	1,323	1,323	-	1,323
電 力	1000kWh	1,475,953	975,181	578,713	-	578,713
蒸 気	t	2,064,727	1,652,317	1,592,684	-	1,592,684

(令和3年5月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
93,548	57,259	36,290	78,091	1,023,383	Total	(Crude petroleum equivalent)
43,709	35,741	7,968	-	50,285	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	12	Gasoline
-	-	-	-	-	6,015	Naphtha
-	...	...	...	-	-	Oil produced by conversion
-	-	-	-	-	2,682	Kerosene
-	-	-	-	-	334	Gas oils
-	-	-	-	-	8,860	Heavy Fuel oil total
-	-	-	-	-	1,167	Heavy Fuel oil A
-	-	-	-	-	7,693	Heavy Fuel oil B・C
-	-	-	-	-	3,762	Hydrocarbon oil
26	-	26	-	-	14,035	Liquefied petroleum gas
6,021	-	6,021	-	-	2,130	Hydrocarbon gas
41,537	41,537	-	-	-	9,040	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	112	Reproduction oil (Oil origin)
27,359	21,517	5,841	2,403	773,763	Non-oil based fuels	(Crude petroleum equivalent)
47	47	-	-	946,334	Coal	
-	...	-	2,703	10,106	Coal coke	
-	-	-	-	37,045	Tar	
1,066	-	1,066	-	105,497	Coke oven gas	
-	-	-	-	106,662	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
119	119	-	134	7,908	Natural gas	
14,716	12,861	1,855	89	5,794	Liquefied natural gas	
2,390	...	2,390	96	6,646	Town gas(A)	
2,505	...	2,505	98	7,007	Town gas(B)	
-	-	-	-	-	Used tires	
4,196	4,196	-	-	3,655	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
77,981	...	77,981	659,122	1,013,521	Electricity	
220,276	...	220,276	207,969	1,519,838	Steam	
96,176	57,259	38,918	112,253	1,110,998	Total	(Crude petroleum equivalent)
50,470	35,741	14,728	7,756	87,355	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	-	-	-	-	12	Gasoline
-	-	-	-	-	6,015	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	0	2,682	Kerosene	
-	-	-	-	334	Gas oils	
1,645	-	1,645	1,086	14,774	Heavy Fuel oil total	
17	-	17	438	1,636	Heavy Fuel oil A	
1,628	-	1,628	648	13,138	Heavy Fuel oil B・C	
43	-	43	39	5,274	Hydrocarbon oil	
26	-	26	41	14,091	Liquefied petroleum gas	
8,277	-	8,277	9	14,953	Hydrocarbon gas	
43,824	41,537	2,287	7,566	23,198	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	-	112	Reproduction oil (Oil origin)	
39,159	21,517	17,641	70,042	948,554	Non-oil based fuels	(Crude petroleum equivalent)
10,042	47	9,995	86,209	1,155,439	Coal	
-	-	-	2,703	10,106	Coal coke	
-	-	-	-	37,045	Tar	
1,756	-	1,756	-	108,122	Coke oven gas	
-	-	-	-	106,662	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
3,367	119	3,248	2,982	23,672	Natural gas	
15,454	12,861	2,593	1,543	8,365	Liquefied natural gas	
2,468	-	2,468	3,940	16,611	Town gas(A)	
2,587	-	2,587	4,163	17,782	Town gas(B)	
-	-	-	-	-	Used tires	
4,196	4,196	-	-	3,655	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
45,180	-	45,180	351,288	500,772	Electricity	
33,930	-	33,930	25,703	412,410	Steam	

(May, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合 計 (原 油 換 算)	kl	626,035	509,004	417,600	358,359	59,242
石 油 系 燃 料 (原 油 換 算)	"	123,954	112,191	70,314	68,703	1,611
ガ ソ リ ン	"	36	31	27	...	27
灯 油	"	1,123	683	150	122	28
軽 油	"	1,103	620	524	196	328
重 油 計	"	31,978	30,066	1,928	995	933
A 重 油	"	1,746	1,306	559	326	233
B・C 重 油	"	30,232	28,760	1,369	669	700
炭 化 水 素 油	"	15,376	15,376	14,547	14,361	186
液 化 石 油 ガ ス	t	1,635	216	-	-	-
オ イ ル コ ー ク ス	"	56,891	50,808	44,777	44,777	-
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	19,646	17,946	13,506	13,451	55
非 石 油 系 燃 料 (原 油 換 算)	kl	346,172	337,937	296,736	289,656	7,079
石 炭	t	402,259	400,177	389,527	388,848	679
石 炭 コ ー ク ス	"	18,267	11,891	100	100	-
コ ー ク ス 炉 ガ ス	1000m ³	24,142	24,142	112	-	112
高 炉 ガ ス	"	1,425	1,425	67	-	67
転 炉 ガ ス	"	15,839	15,839	2,362	-	2,362
電 気 炉 ガ ス	"	102	102	-	-	-
天 然 ガ ス	"	1,508	1,508	-	-	-
液 化 天 然 ガ ス	t	53	53	-	-	-
都 市 ガ ス (A)	1000m ³	7,563	6,731	2,030	394	1,636
都 市 ガ ス (B)	"	12,203	11,304	6,126	431	5,695
廃 材	絶乾(Dry)t	185	185	185	185	-
廃 タ イ ヤ	t	4,312	4,312	4,312	4,312	-
廃 プ ラ ス チ ッ ク	"	32,265	30,814	30,067	30,067	-
R P F	"	2,973	2,973	478	478	-
電 力	1000kWh	1,197,402	586,816	514,873	...	514,873
蒸 気	t	644,123	62,045	38,417	...	38,417

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	732,799	552,647	461,593	358,359	103,234
石 油 系 燃 料 (原 油 換 算)	"	134,573	122,416	79,741	68,703	11,039
ガ ソ リ ン	"	36	31	27	-	27
灯 油	"	1,296	856	150	122	28
軽 油	"	1,103	620	524	196	328
重 油 計	"	33,111	30,832	2,074	995	1,079
A 重 油	"	2,317	1,834	636	326	310
B・C 重 油	"	30,794	28,998	1,438	669	769
炭 化 水 素 油	"	15,376	15,376	14,547	14,361	186
液 化 石 油 ガ ス	t	1,635	216	-	-	-
オ イ ル コ ー ク ス	"	67,640	61,557	55,526	44,777	10,749
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	19,671	17,971	13,531	13,451	80
非 石 油 系 燃 料 (原 油 換 算)	kl	558,343	404,135	362,505	289,657	72,848
石 炭	t	704,266	491,308	480,423	388,848	91,575
石 炭 コ ー ク ス	"	18,267	11,891	100	100	-
コ ー ク ス 炉 ガ ス	1000m ³	24,142	24,142	112	-	112
高 炉 ガ ス	"	1,425	1,425	67	-	67
転 炉 ガ ス	"	15,839	15,839	2,362	-	2,362
電 気 炉 ガ ス	"	102	102	-	-	-
天 然 ガ ス	"	8,867	5,644	4,068	-	4,068
液 化 天 然 ガ ス	t	53	53	-	-	-
都 市 ガ ス (A)	1000m ³	7,956	6,917	2,030	394	1,636
都 市 ガ ス (B)	"	12,589	11,488	6,126	431	5,695
廃 材	絶乾(Dry)t	185	185	185	185	-
廃 タ イ ヤ	t	4,312	4,312	4,312	4,312	-
廃 プ ラ ス チ ッ ク	"	32,265	30,814	30,067	30,067	-
R P F	"	2,973	2,973	478	478	-
電 力	1000kWh	423,023	278,113	207,595	-	207,595
蒸 気	t	7,703	3,243	520	-	520

(令和3年5月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
28,775	24,553	4,222	62,629	117,031	Total (Crude petroleum equivalent)	
19,490	19,300	190	22,387	11,763	Oil based fuels (Crude petroleum equivalent)	
-	...	-	4	5	Gasoline	
17	-	17	516	440	Kerosene	
2	-	2	94	483	Gas oils	
17,774	17,715	59	10,364	1,912	Heavy Fuel oil total	
59	-	59	688	440	Heavy Fuel oil A	
17,715	17,715	-	9,676	1,472	Heavy Fuel oil B・C	
-	-	-	829	-	Hydrocarbon oil	
215	128	87	1	1,419	Liquefied petroleum gas	
-	-	-	6,031	6,083	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,440	1,700	Reproduction oil (Oil origin)	
5,673	5,253	420	35,528	8,235	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	10,650	2,082	Coal	
-	-	-	11,791	6,376	Coal coke	
-	-	-	24,030	-	Coke oven gas	
-	-	-	1,358	-	Blast furnace gas	
-	-	-	13,477	-	Converter furnace gas	
-	-	-	102	-	Electric furnace gas	
813	813	-	695	-	Natural gas	
49	-	49	4	-	Liquefied natural gas	
3,985	3,671	314	716	832	Town gas(A)	
4,436	4,106	330	742	899	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	747	1,451	Waste plastic	
-	-	-	2,495	-	Refuse Paper & Plastic Fuel	
31,485	...	31,485	40,458	610,586	Electricity	
9,884	...	9,884	13,744	582,078	Steam	
28,418	24,554	3,864	62,636	180,152	Total (Crude petroleum equivalent)	
19,663	19,300	364	23,012	12,156	Oil based fuels (Crude petroleum equivalent)	
-	-	-	4	5	Gasoline	
111	-	111	595	440	Kerosene	
2	-	2	94	483	Gas oils	
17,853	17,715	138	10,905	2,279	Heavy Fuel oil total	
60	-	60	1,138	483	Heavy Fuel oil A	
17,793	17,715	78	9,767	1,796	Heavy Fuel oil B・C	
-	-	-	829	-	Hydrocarbon oil	
215	128	87	1	1,419	Liquefied petroleum gas	
-	-	-	6,031	6,083	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,440	1,700	Reproduction oil (Oil origin)	
5,783	5,254	528	35,847	154,208	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	10,885	212,958	Coal	
-	-	-	11,791	6,376	Coal coke	
-	-	-	24,030	-	Coke oven gas	
-	-	-	1,358	-	Blast furnace gas	
-	-	-	13,477	-	Converter furnace gas	
-	-	-	102	-	Electric furnace gas	
813	813	-	763	3,223	Natural gas	
49	-	49	4	-	Liquefied natural gas	
4,087	3,671	416	800	1,040	Town gas(A)	
4,539	4,107	432	823	1,100	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	747	1,451	Waste plastic	
-	-	-	2,495	-	Refuse Paper & Plastic Fuel	
30,996	-	30,996	39,522	144,909	Electricity	
1,276	-	1,276	1,447	4,461	Steam	

(May, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						for Steelmaking	
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	鋳鉄用 for pig iron	フェロアロイ for Ferro-alloy	製鋼用	転炉 LD Converters	
合計 (原油換算)	kl	7,671,892	5,171,592	372,483	11,017	2,794,327	63,089	311,792	178,154	
石油系燃料 (原油換算)	kl	86,919	68,935	80	89	12,871	2,930	8,927	6,933	
ガソリン	kl	89	39	-	-	-	-	-	-	
灯油	kl	7,153	7,011	-	-	-	37	795	28	
軽油	kl	1,861	1,675	-	-	2	40	150	149	
重油計	kl	22,676	22,589	-	82	158	2,429	1,461	296	
A重油	kl	12,044	11,957	-	-	33	509	1,317	296	
B・C重油	kl	10,632	10,632	-	82	125	1,920	144	-	
炭化水素油	kl	6,394	-	-	-	-	-	-	-	
液化石油ガス	t	20,570	19,041	-	-	335	132	5,033	4,992	
石油系炭化水素ガス	1000m³	3	3	-	-	-	-	-	-	
オイルコークス	t	24,750	14,350	93	-	14,257	-	-	-	
アスファルト	kl	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	129	129	-	-	-	96	33	-	
非石油系燃料 (原油換算)	kl	6,662,594	4,234,458	337,266	9,324	2,717,669	42,733	150,039	116,977	
コークス製造用炭 (原料炭)	t	3,239,982	349,938	-	-	349,938	-	-	-	
石炭	kl	1,271,088	1,251,492	121,130	7,983	832,289	31,593	37,097	32,714	
石炭コークス	kl	2,434,599	2,420,102	321,949	4,381	2,045,081	26,914	17,443	4,328	
タークル	kl	9,134	-	-	-	-	-	-	-	
コークス炉ガス	1000m³	805,833	657,515	24,795	1,252	85,473	254	29,866	28,756	
高炉ガス	kl	6,821,511	5,432,801	9,239	-	2,376,897	93	291	245	
転炉ガス	kl	403,229	345,119	1,141	-	94,038	210	1,425	1,330	
電気炉ガス	kl	7,599	7,599	-	-	-	11	-	-	
天然ガス	kl	2,126	2,124	-	-	-	-	268	-	
液化天然ガス	t	29,733	29,722	-	-	-	157	423	-	
都市ガス (A)	1000m³	163,110	157,835	185	-	4,524	8	8,478	2,866	
都市ガス (B)	kl	178,219	172,447	203	-	4,955	8	9,244	3,145	
酸素	1000Nm³	884,399	884,193	...	...	386,529	4,505	458,351	391,483
絶乾 (Dry) t	t	1,581	1,581	-	-	-	-	-	-	
廃材	t	636	636	-	-	-	-	636	636	
廃プラスチック	kl	19,366	2,914	-	-	2,416	13	485	485	
RPF	kl	-	-	-	-	-	-	-	-	
電蒸	力 気	1000kWh t	5,310,098 6,198,022	4,985,206 5,851,426	365,637 16,266	16,588 895	429,428 344,901	185,226 2,817	1,430,211 286,215	393,932 254,826

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	6,983,854	4,481,836	384,805	13,061	2,822,913	66,874	334,744	197,678	
石油系燃料 (原油換算)	kl	85,012	66,070	846	107	15,150	5,450	10,482	8,224	
ガソリン	kl	89	39	-	-	-	-	-	-	
灯油	kl	7,130	6,988	-	-	-	38	855	28	
軽油	kl	1,861	1,675	-	-	2	40	150	149	
重油計	kl	21,578	21,258	493	82	1,315	4,755	2,303	931	
A重油	kl	11,392	11,250	81	-	265	567	1,701	473	
B・C重油	kl	10,186	10,008	412	82	1,050	4,188	602	458	
炭化水素油	kl	6,394	-	-	-	-	-	-	-	
液化石油ガス	t	19,992	17,914	185	14	1,144	141	5,511	5,470	
石油系炭化水素ガス	1000m³	3	3	-	-	-	-	-	-	
オイルコークス	t	24,750	14,350	93	-	14,257	-	-	-	
アスファルト	kl	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	129	129	-	-	-	96	33	-	
非石油系燃料 (原油換算)	kl	6,509,997	4,051,416	361,102	12,856	2,779,104	46,366	204,451	164,908	
コークス製造用炭 (原料炭)	t	3,239,982	349,938	-	-	349,938	-	-	-	
石炭	kl	1,183,959	1,155,699	124,662	9,341	846,528	32,466	57,991	50,036	
石炭コークス	kl	2,434,599	2,420,102	321,949	4,381	2,045,081	26,914	17,443	4,328	
タークル	kl	9,134	-	-	-	-	-	-	-	
コークス炉ガス	1000m³	771,139	614,097	32,870	1,930	100,510	689	43,244	41,575	
高炉ガス	kl	6,183,442	4,615,500	161,717	23,292	2,780,704	15,056	270,948	266,509	
転炉ガス	kl	365,840	299,147	9,213	384	110,569	457	16,364	15,669	
電気炉ガス	kl	7,599	6,512	-	-	-	6,338	-	-	
天然ガス	kl	2,126	2,124	-	-	-	-	268	-	
液化天然ガス	t	28,718	28,576	78	-	65	157	838	149	
都市ガス (A)	1000m³	157,122	150,795	1,314	26	7,162	25	12,384	4,309	
都市ガス (B)	kl	171,708	164,783	1,432	29	7,821	27	13,513	4,714	
酸素	1000Nm³	884,399	884,193	...	...	386,529	4,505	458,351	391,483
絶乾 (Dry) t	t	721	721	-	-	-	-	-	-	
廃材	t	636	636	-	-	-	-	636	636	
廃プラスチック	kl	19,366	2,914	-	-	2,416	13	485	485	
RPF	kl	-	-	-	-	-	-	-	-	
電蒸	力 気	1000kWh t	3,919,291 350,973	3,684,936 311,981	242,413 4,447	705 475	264,001 59,318	160,359 2,029	1,267,648 27,336	244,457 26,124

(令和3年5月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
133,638	13,527	4,121	517,908	816,121	267,207	2,446,873	53,428	Total	
1,994	1,835	1,826	13,241	15,832	11,305	15,579	2,405	(Crude petroleum equivalent)	
-	-	-	1	-	38	-	50	Gasoline	
767	442	772	3,236	166	1,563	1	141	Kerosene	
1	39	8	19	-	1,417	21	165	Gas oils	
1,165	1,268	418	4,436	9,915	2,422	-	87	Heavy Fuel oil total	
1,021	1,268	414	3,615	2,473	2,328	-	87	Heavy Fuel oil A	
144	-	4	821	7,442	94	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	6,394	-	Hydrocarbon oil	
41	81	517	4,358	3,979	4,606	-	1,529	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	10,400	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
33,063	7,741	718	345,734	551,916	71,319	2,400,901	27,235	Non-oil based fuels	
-	-	-	-	-	-	2,889,631	413	(Crude petroleum equivalent)	
4,383	-	-	-	221,400	-	...	19,596	Coal for making coke (material coal)	
13,115	-	2	-	-	4,332	14,252	245	Coal	
-	-	-	-	-	-	9,134	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
1,110	594	31	348,561	136,270	30,419	142,955	5,363	Coke oven gas	
46	342	-	145,334	2,747,187	153,418	1,377,960	10,750	Blast furnace gas	
95	707	-	84,465	154,418	8,715	39,070	19,040	Converter furnace gas	
-	-	-	-	7,588	-	-	-	Electric furnace gas	
268	111	-	1,324	232	189	-	2	Natural gas	
423	1,538	141	20,258	3,534	3,671	-	11	Liquefied natural gas	
5,612	4,234	397	85,516	31,841	22,652	483	4,792	Town gas(A)	
6,099	4,635	433	93,376	34,724	24,869	529	5,243	Town gas(B)	
66,868	149	223	11,171	...	23,265	...	206	Oxygen	
-	-	-	-	1,581	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,452	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,036,279	41,816	16,232	1,375,839	128,112	996,117	161,930	162,962	Electricity	
31,589	892	967	447,735	3,420,885	1,329,853	221,765	124,831	Steam	
137,066	13,658	4,125	559,462	-	282,195	2,441,717	60,301	Total	
2,259	1,836	1,829	15,751	-	14,620	15,868	3,074	(Crude petroleum equivalent)	
-	-	-	1	-	38	-	50	Gasoline	
827	442	772	3,240	-	1,642	1	141	Kerosene	
1	39	8	19	-	1,417	21	165	Gas oils	
1,372	1,269	421	5,970	-	4,650	119	200	Heavy Fuel oil total	
1,228	1,269	417	4,116	-	2,834	0	142	Heavy Fuel oil A	
144	-	4	1,854	-	1,816	119	58	Heavy Fuel oil B・C	
-	-	-	-	-	-	6,394	-	Hydrocarbon oil	
41	81	517	5,043	-	5,279	123	1,955	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	10,400	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
39,543	7,943	729	450,003	-	188,862	2,414,066	44,515	Non-oil based fuels	
-	-	-	-	-	-	2,889,631	413	(Crude petroleum equivalent)	
7,956	-	-	43,165	-	41,545	955	27,305	Coal for making coke (material coal)	
13,115	-	2	-	-	4,332	14,252	245	Coal	
-	-	-	-	-	-	9,134	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
1,669	595	31	371,671	-	62,558	148,734	8,308	Coke oven gas	
4,439	348	-	634,125	-	729,311	1,458,665	109,277	Blast furnace gas	
695	707	-	114,877	-	46,575	44,708	21,986	Converter furnace gas	
-	-	-	-	-	174	-	1,087	Electric furnace gas	
268	111	-	1,527	-	218	-	2	Natural gas	
689	1,679	141	20,917	-	4,700	78	64	Liquefied natural gas	
8,075	4,234	407	94,231	-	31,012	1,103	5,224	Town gas(A)	
8,798	4,636	444	102,886	-	33,997	1,208	5,717	Town gas(B)	
66,868	149	223	11,171	...	23,265	...	206	Oxygen	
-	-	-	329	-	392	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,452	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,023,191	41,073	16,183	973,213	-	719,341	115,913	118,443	Electricity	
1,212	851	887	45,960	-	170,679	14,482	24,510	Steam	

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry							
		非鉄金属 地金工業	非鉄金属地金	Non-ferrous metals			鉛	Lead	
				銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	97,722	85,043	29,933	23,071	6,861	7,378	6,705	673
石油系燃料 (原油換算)	"	18,705	16,252	6,105	6,105	-	756	421	334
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,253	301	94	94	-	-	-	-
軽油	"	254	91	5	5	-	-	-	-
重油計	"	9,696	8,977	4,516	4,516	-	418	169	249
A重油	"	4,050	3,334	384	384	-	418	169	249
B・C重油	"	5,646	5,643	4,132	4,132	-	-	-	-
炭化水素油	"	3,177	2,614	471	471	-	-	-	-
液化石油ガス	t	551	482	374	374	-	-	-	-
オイルコークス	"	340	340	223	223	-	117	117	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,705	2,705	-	-	-	226	145	81
非石油系燃料 (原油換算)	kl	25,971	25,608	4,094	4,094	-	5,421	5,421	-
石炭	t	4,629	4,629	4,509	4,509	-	108	108	-
石炭コークス	"	17,222	17,205	979	979	-	6,200	6,200	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	25,572	25,572	-	-	-	6,982	6,982	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,101	2,101	226	226	-	41	41	-
都市ガス (A)	1000m ³	4,132	3,831	-	-	-	-	-	-
都市ガス (B)	"	4,345	4,016	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	479,011	393,818	156,204	99,082	57,122	11,706	8,154	3,552
		122,789	94,730	75,269	52,879	22,390	1,632	1,518	114

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	90,598	78,719	23,590	18,358	5,232	7,433	6,760	674
石油系燃料 (原油換算)	"	19,285	16,651	6,333	6,255	78	779	444	335
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,315	363	156	94	62	-	-	-
軽油	"	254	91	5	5	-	-	-	-
重油計	"	10,205	9,305	4,674	4,656	18	442	192	250
A重油	"	4,418	3,521	401	399	2	442	192	250
B・C重油	"	5,787	5,784	4,273	4,257	16	-	-	-
炭化水素油	"	3,177	2,614	471	471	-	-	-	-
液化石油ガス	t	551	482	374	374	-	-	-	-
オイルコークス	"	340	340	223	223	-	117	117	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,705	2,705	-	-	-	226	145	81
非石油系燃料 (原油換算)	kl	27,314	26,491	4,094	4,094	-	5,615	5,615	-
石炭	t	4,629	4,629	4,509	4,509	-	108	108	-
石炭コークス	"	17,222	17,205	979	979	-	6,200	6,200	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	37,271	33,539	-	-	-	8,867	8,867	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,191	2,162	226	226	-	56	56	-
都市ガス (A)	1000m ³	4,249	3,883	-	-	-	-	-	-
都市ガス (B)	"	4,474	4,073	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	444,116	367,760	134,095	84,239	49,856	10,984	7,432	3,552
		38,864	19,774	9,964	2,494	7,470	247	125	123

(令和3年5月)

(非鉄金属地金 Non-ferrous metals)							Kind of energy
亜鉛	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others	
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc					
25,283	16,536	8,747	9,922	10,466	2,060	12,680	Total (Crude petroleum equivalent)
1,069	470	599	1,714	6,277	331	2,452	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
5	5	-	127	69	6	952	Kerosene
7	7	-	10	69	-	163	Gas oils
564	434	130	1,434	1,879	166	719	Heavy Fuel oil total
300	170	130	383	1,683	166	716	Heavy Fuel oil A
264	264	-	1,051	196	-	3	Heavy Fuel oil B・C
-	-	-	-	2,143	-	563	Hydrocarbon oil
1	1	-	47	56	4	69	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
451	-	451	-	1,880	148	-	Reproduction oil (Oil origin)
10,193	2,754	7,439	2,548	3,184	169	363	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	12	-	Coal
10,021	2,705	7,316	-	-	5	17	Coal coke
-	-	-	-	-	-	-	Coke oven gas
18,590	812	17,778	-	-	-	-	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
638	414	224	305	782	109	-	Liquefied natural gas
56	56	-	1,795	1,977	3	301	Town gas(A)
63	63	-	1,993	1,957	3	330	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
146,877	142,515	4,362	60,671	10,812	7,548	85,193	Electricity
5,182	789	4,393	244	-	12,403	28,059	Steam
25,455	16,544	8,910	9,932	10,467	1,842	11,879	Total (Crude petroleum equivalent)
1,141	470	671	1,714	6,277	406	2,634	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
5	5	-	127	69	6	952	Kerosene
7	7	-	10	69	-	163	Gas oils
636	435	201	1,434	1,879	241	900	Heavy Fuel oil total
372	171	201	383	1,683	241	897	Heavy Fuel oil A
264	264	-	1,051	196	-	3	Heavy Fuel oil B・C
-	-	-	-	2,143	-	563	Hydrocarbon oil
1	1	-	47	56	4	69	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
451	-	451	-	1,880	148	-	Reproduction oil (Oil origin)
10,860	2,819	8,041	2,546	3,184	191	823	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	12	-	Coal
10,021	2,705	7,316	-	-	5	17	Coal coke
-	-	-	-	-	-	-	Coke oven gas
24,477	858	23,620	-	-	195	3,732	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
683	414	269	305	782	111	29	Liquefied natural gas
107	107	-	1,795	1,977	4	366	Town gas(A)
120	120	-	1,992	1,957	5	401	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
144,623	142,492	2,131	60,671	10,812	6,575	76,356	Electricity
-	-	-	407	-	9,156	19,090	Steam

(May, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	244,533	180,142	3,043	5,093	22,066
石油系燃料（原油換算）	〃	12,716	7,590	484	1,038	179
ガソリン	〃	2,782	1,662	-	2	1
灯油	〃	1,712	807	11	135	37
軽油	〃	1,893	432	218	3	6
重油計	〃	1,627	1,262	1	874	18
A重油	〃	1,627	1,262	1	874	18
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	4,020	2,859	200	21	92
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	39,748	24,141	575	510	983
石炭	t	-	-	-	-	-
石炭コークス	〃	555	555	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	323	323	-	-	-
液化天然ガス	t	2,997	843	-	98	12
都市ガス（A）	1000m ³	29,921	19,116	493	319	820
都市ガス（B）	〃	32,713	20,884	542	349	910
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,064,738	1,595,411	21,319	38,121	224,714

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	282,283	211,964	3,094	5,444	27,423
石油系燃料（原油換算）	〃	14,220	9,080	485	1,068	719
ガソリン	〃	2,782	1,662	-	2	1
灯油	〃	1,715	810	11	137	38
軽油	〃	1,916	452	218	3	10
重油計	〃	2,022	1,649	2	902	28
A重油	〃	2,022	1,649	2	902	28
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	4,855	3,692	200	21	498
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	94,848	70,408	684	1,025	7,851
石炭	t	-	-	-	-	-
石炭コークス	〃	555	555	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	2,240	2,236	-	-	852
液化天然ガス	t	6,524	3,448	-	156	162
都市ガス（A）	1000m ³	71,268	54,003	585	692	5,861
都市ガス（B）	〃	77,918	59,004	644	758	6,296
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	1,862,065	1,424,110	20,696	36,030	202,668

(令和3年5月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
61,769	4,286	83,885	64,391	Total (Crude petroleum equivalent)
519	12	5,359	5,125	Oil based fuels (Crude petroleum equivalent)
2	-	1,657	1,120	Gasoline
-	-	624	905	Kerosene
-	-	205	1,461	Gas oils
153	-	216	365	Heavy Fuel oil total
153	-	216	365	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
281	9	2,256	1,161	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,279	119	20,675	15,607	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	555	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	322	-	Natural gas
-	-	733	2,154	Liquefied natural gas
1,091	101	16,292	10,805	Town gas(A)
1,204	112	17,767	11,829	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
644,683	44,673	621,901	469,327	Electricity
72,631	4,302	99,069	70,319	Total (Crude petroleum equivalent)
1,165	12	5,632	5,139	Oil based fuels (Crude petroleum equivalent)
2	-	1,657	1,120	Gasoline
-	-	624	905	Kerosene
-	-	221	1,464	Gas oils
467	-	251	373	Heavy Fuel oil total
467	-	251	373	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
536	9	2,428	1,163	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,221	146	43,482	24,440	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	555	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	1,383	4	Natural gas
-	-	3,130	3,076	Liquefied natural gas
14,765	125	31,975	17,265	Town gas(A)
16,214	137	34,954	18,915	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
583,137	44,549	537,029	437,955	Electricity

(May, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	574,678	11,146	5,408
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	4
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	42
板 ガ ラ ス Sheet Glass	...	-	-	-	23
石 灰 Lime	...	-	-	-	222
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	149
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	266
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	40

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
10,587	899	21,739	87,695	47,805	56,675	-
-	114	1,496	471	82,666	28,438	-
-	1,541	1,653	18	31,963	191,966	922
10	1,421	12,660	-	130,207	489,512	173
-	85	14,295	99	-	-	-
28	1,274	5,121	-	6,074	21,623	7,827
-	663	3,227	43	-	9,288	37
-	222	-	-	63	31	3,551
1	433	135	0	-	-	5,469
1	82	129	8	-	-	-
10	246	81	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(May, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry
 Hokkaido Bureau of Economy, Trade and Industry

1) 北海道経済産業局管内

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	507,542	-	114,972	7,700	-
石 油 系 燃 料 (原 油 換 算)	"	72,465	-	5,378	6,768	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	117	-	88	-	-
軽 油	"	92	-	-	-	-
A 重 油	"	1,992	-	25	3	-
B・C 重 油	"	8,639	-	3,975	-	-
炭 化 水 素 油	"	297	-	297	-	-
液 化 石 油 ガ ス	t	6,044	-	199	5,226	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	34,613	-	-	-	-
オ イ ル コ ー ク ス	t	8,072	-	315	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	229	-	136	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	414,549	-	104,916	246	-
石 炭 コ ー ク ス	t	346,328	-	95,929	-	-
コ ー ク ス 炉 ガ ス	1000m ³	75,922	-	150	-	-
高 炉 ガ ス	"	45,599	-	-	-	-
液 化 天 然 ガ ス	"	322,088	-	-	-	-
都 市 ガ ス (B)	t	2,522	-	82	174	-
回 収 黒 液	1000m ³	-	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	88,359	-	88,359	...	...
R P F	t	6,073	-	19	-	-
	"	1,860	-	1,860	-	-
電 力	1000kWh	502,041	-	246,151	6,146	-
う ち 購 入 分	"	131,258	-	26,507	6,146	-
蒸 気	t	2,450,792	-	1,426,451	6,299	-
う ち 受 入 分	"	88,342	-	-	1,651	-

2) 東北経済産業局管内

Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	359,080	-	147,382	57,290	163
石 油 系 燃 料 (原 油 換 算)	"	98,368	-	9,476	44,960	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	49,141	-	-	49,141	-
軽 油	"	1,041	-	1	-	-
A 重 油	"	167	-	3	11	-
B・C 重 油	"	5,848	-	1,852	488	-
炭 化 水 素 油	"	10,267	-	6,142	-	-
液 化 石 油 ガ ス	"	1,207	-	114	-	-
石 油 系 炭 化 水 素 ガ ス	t	447	-	143	-	-
オ イ ル コ ー ク ス	1000m ³	24,818	-	-	1,265	-
ア ス フ ェ ル ト	t	2,166	-	547	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,025	-	195	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	221,761	-	134,627	10,082	-
石 炭 コ ー ク ス	t	181,547	-	93,580	13,670	-
コ ー ク ス 炉 ガ ス	"	11,038	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	"	40,000	-	-	-	-
都 市 ガ ス (B)	t	5,882	-	-	610	-
回 収 黒 液	1000m ³	1,018	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	151,177	-	151,177	...	...
R P F	t	4,321	-	214	-	-
	"	7,711	-	7,711	-	-
電 力	1000kWh	748,001	-	296,336	39,339	798
う ち 購 入 分	"	379,626	-	35,257	15,040	798
蒸 気	t	2,366,275	-	1,826,588	163,647	1,280
う ち 受 入 分	"	29,522	-	-	12,285	1,280

(令和3年5月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
49,651	45,655	-	286,474	-	3,090	Total (Crude petroleum equivalent)
49,651	1,623	-	8,985	-	58	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	-	-	28	-	-	Kerosene
-	8	-	84	-	-	Gas oils
-	513	-	1,450	-	1	Heavy Fuel oil A
3,737	927	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
-	-	-	575	-	44	Liquefied petroleum gas
34,613	-	-	-	-	-	Hydrocarbon gas
-	-	-	7,757	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	93	-	-	-	-	Reproduction oil (Oil origin)
-	42,563	-	264,300	-	2,524	Non-oil based fuels (Crude petroleum equivalent)
-	57,607	-	192,792	-	-	Coal
-	100	-	75,672	-	-	Coal coke
-	141	-	45,458	-	-	Coke oven gas
-	-	-	322,088	-	-	Blast furnace gas
-	-	-	480	-	1,786	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,510	-	1,544	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
38,653	52,745	-	144,688	-	13,658	Electricity
-	15,721	-	77,426	-	5,458	among those purchased
171,052	141,715	-	705,275	-	...	Steam
-	93	-	86,598	-	...	among those accepted
32,218	31,175	1,629	50,639	30,748	7,836	Total (Crude petroleum equivalent)
32,076	1,967	244	5,921	2,870	855	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	4	1	254	175	606	Kerosene
-	100	1	8	42	2	Gas oils
247	66	238	2,039	720	198	Heavy Fuel oil A
730	71	-	3,077	247	-	Heavy Fuel oil B・C
-	411	-	-	682	-	Hydrocarbon oil
-	-	2	232	8	62	Liquefied petroleum gas
23,553	-	-	-	-	-	Hydrocarbon gas
-	1,502	-	-	117	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	5	-	-	825	-	Reproduction oil (Oil origin)
-	26,445	260	31,666	16,284	2,398	Non-oil based fuels (Crude petroleum equivalent)
-	33,892	-	36,383	4,022	-	Coal
-	-	-	658	10,380	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	40,000	-	Blast furnace gas
-	-	184	3,645	1,443	-	Liquefied natural gas
-	-	-	-	60	958	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,107	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
22,998	36,848	12,052	159,211	126,157	54,262	Electricity
1,536	29,697	4,594	140,311	103,120	49,273	among those purchased
171,309	38,035	-	9,931	155,485	...	Steam
-	-	-	-	15,957	...	among those accepted

(May, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,508,058	36,350	200,704	2,605,586	12,180
石 油 系 燃 料 (原 油 換 算)	"	2,769,104	5,534	20,448	2,369,647	145
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	691	4	1	7	2
改 質 生 成 油	"	1,484,429	-	-	1,483,349	-
灯 油	"	324,327	-	-	324,327	-
軽 油	"	20,546	82	237	16,809	61
A 重 油	"	18,776	257	26	16,697	-
B ・ C 重 油	"	8,444	261	1,663	90	-
炭 化 水 素 油	"	70,665	119	16,862	265	-
液 化 石 油 ガ ス	t	48,240	-	-	43,512	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	269,069	9	26	249,239	66
オ イ ル コ ー ク ス	t	478,894	-	-	279,356	-
ア ス フ ェ ル ト	"	56,053	5,577	-	48,317	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	8,312	-	270	838	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,426,213	20,210	164,324	113,302	11,872
石 炭 コ ー ク ス	t	1,467,015	11,611	19,827	11,611	-
コ ー ク ス 炉 ガ ス	1000m ³	755,271	5,660	-	5,660	-
高 炉 ガ ス	"	256,626	-	-	2,445	-
液 化 天 然 ガ ス	t	2,050,746	-	-	-	-
都 市 ガ ス (B)	1000m ³	25,968	-	5,503	15,770	-
回 収 黒 液	絶乾(Dry)t	170,430	-	43,168	23,525	11,179
廃 プ ラ ス チ ッ ク	t	149,960	-	149,960	...	...
R P F	"	24,357	-	591	4,196	-
R P F	"	24,811	-	21,849	-	-
電 力	1000kWh	3,796,932	124,292	455,601	993,067	28,855
う ち 購 入 分	"	2,315,093	54,979	155,763	602,708	1,754
蒸 気	t	10,293,118	85,525	2,188,424	4,030,330	57,925
う ち 受 入 分	"	1,235,368	14,944	20,858	879,579	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,727,893	5,242	120,908	549,696	14,677
石 油 系 燃 料 (原 油 換 算)	"	676,586	57	13,993	472,696	3,867
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,030	8	1	1	-
改 質 生 成 油	"	214,349	-	-	214,349	-
灯 油	"	163,750	-	-	163,750	-
軽 油	"	5,036	36	79	2	116
A 重 油	"	888	2	41	7	6
B ・ C 重 油	"	8,445	14	314	771	350
炭 化 水 素 油	"	41,298	-	8,663	2,863	278
液 化 石 油 ガ ス	t	21,912	-	3,166	12,265	34
石 油 系 炭 化 水 素 ガ ス	1000m ³	48,786	-	142	37,805	58
オ イ ル コ ー ク ス	t	119,344	-	-	34,638	-
ア ス フ ェ ル ト	"	48,445	-	819	40,118	3,474
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	4,985	-	42	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	871,374	3,933	99,432	51,079	5,408
石 炭 コ ー ク ス	t	467,891	-	7,919	37,385	-
コ ー ク ス 炉 ガ ス	1000m ³	225,469	-	-	-	-
高 炉 ガ ス	"	67,079	-	-	-	-
液 化 天 然 ガ ス	t	937,228	-	-	-	-
都 市 ガ ス (B)	1000m ³	28,148	-	1,941	18,006	158
回 収 黒 液	絶乾(Dry)t	83,202	3,703	1,995	391	4,882
廃 プ ラ ス チ ッ ク	t	164,638	-	164,638	...	...
R P F	"	6,245	-	3,245	-	-
R P F	"	8,778	-	8,778	-	-
電 力	1000kWh	2,414,894	15,078	241,660	275,793	63,003
う ち 購 入 分	"	1,697,103	13,463	64,391	110,624	47,555
蒸 気	t	4,050,504	-	1,321,651	1,192,917	84,892
う ち 受 入 分	"	275,446	-	21,602	220,592	14,149

(令和3年5月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
373,040	120,192	12,594	2,143,570	15,827	60,714	Total (Crude petroleum equivalent)
333,805	27,107	1,730	13,645	2,661	5,451	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
11	6	-	35	5	628	Gasoline
1,080	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1,926	127	2	842	43	581	Kerosene
12	734	1	399	51	1,113	Gas oils
3,954	436	5	1,033	797	727	Heavy Fuel oil A
41,675	8,576	1,536	1,412	458	-	Heavy Fuel oil B・C
-	1,775	-	2,504	449	-	Hydrocarbon oil
14,752	14	49	2,937	35	1,960	Liquefied petroleum gas
199,535	-	-	3	-	-	Hydrocarbon gas
-	9,279	-	4,034	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	6,472	-	-	732	-	Reproduction oil (Oil origin)
8,584	77,644	8,913	2,035,224	3,132	23,427	Non-oil based fuels (Crude petroleum equivalent)
12,196	55,355	-	1,379,637	-	-	Coal
-	10,337	-	741,919	2,705	310	Coal coke
-	10,102	-	244,079	-	-	Coke oven gas
-	-	-	2,050,746	-	-	Blast furnace gas
-	49	1,973	807	109	1,757	Liquefied natural gas
338	6,447	5,767	59,609	895	19,502	Town gas(B)
...	...	...	...	...	...	Black liquor
-	10,595	-	8,975	-	-	Waste plastic
-	2,962	-	-	-	-	Refuse Paper & Plastic Fuel
277,039	221,442	23,661	1,429,793	104,929	386,837	Electricity
93,463	117,117	20,968	997,986	38,074	342,239	among those purchased
2,040,075	185,297	2,239	1,870,388	3,965	...	Steam
317,646	1,276	-	26,988	3,965	...	among those accepted
159,301	39,557	5,093	711,962	11,915	120,027	Total (Crude petroleum equivalent)
141,278	20,753	1,364	16,180	3,431	3,082	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	4	-	1,026	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	400	2	4,372	8	92	Kerosene
30	94	-	439	39	234	Gas oils
4,807	60	74	1,307	550	226	Heavy Fuel oil A
18,201	9,282	928	226	857	-	Heavy Fuel oil B・C
-	5,435	-	-	1,012	-	Hydrocarbon oil
3,960	-	-	5,446	99	1,276	Liquefied petroleum gas
84,706	-	-	-	-	-	Hydrocarbon gas
-	534	-	3,500	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	3,963	275	-	705	-	Reproduction oil (Oil origin)
15,968	14,510	2,823	638,852	2,624	44,611	Non-oil based fuels (Crude petroleum equivalent)
15,663	10,368	-	396,556	-	-	Coal
-	589	-	224,054	826	-	Coal coke
-	3,475	-	63,604	-	-	Coke oven gas
-	-	-	937,228	-	-	Blast furnace gas
3,824	-	454	3,582	-	183	Liquefied natural gas
-	4,668	2,054	30,146	1,888	40,881	Town gas(B)
...	...	...	...	...	...	Black liquor
-	391	-	2,609	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
134,831	46,938	9,742	754,290	38,011	865,704	Electricity
9,562	46,103	9,741	610,304	34,690	777,596	among those purchased
883,019	8,775	513	558,737	-	...	Steam
16,865	85	-	2,153	-	...	among those accepted

(May, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,806,173	33,268	34,471	595,981	61,828
石油系燃料(原油換算)	"	432,313	280	93	304,791	1,556
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	342	1	1	6	1
改 質 生 成 油	"	155,485	-	-	155,204	-
灯 油	"	86,672	-	-	86,672	-
軽 油	"	4,017	-	1	473	-
A 重 油	"	1,438	82	14	26	7
B・C 重 油	"	2,621	195	60	175	973
炭 化 水 素 油	"	41,234	-	-	29,430	527
液 化 石 油 ガ ス	t	9,064	-	-	3,669	-
石油系炭化水素ガス	1000m ³	36,056	2	9	33,312	1
オ イ ル コ ー ク ス	t	84,079	-	-	12,454	-
ア ス フ ァ ル ト	"	899	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		2,657	-	5	-	-
非石油系燃料(原油換算)	kl	1,259,051	22,719	32,252	267,507	50,067
石 炭 コ ー ク ス	t	878,186	11,096	12,897	304,132	28,651
コ ー ク ス 炉 ガ ス	1000m ³	295,923	-	-	-	-
高 炉 ガ ス	"	136,915	-	-	17,434	-
液 化 天 然 ガ ス	t	1,189,004	-	-	106,662	-
都 市 ガ ス (B)	t	30,550	1,691	-	15,422	308
回 収 黒 液	1000m ³	140,819	12,096	19,483	20,350	28,539
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	-	-	-	...	...
R P F	t	589	-	-	-	-
	"	697	-	686	-	-
電 力	1000kWh	1,771,947	157,986	78,779	275,344	202,637
う ち 購 入 分	"	1,023,961	110,382	22,860	175,071	102,881
蒸 気	t	3,649,240	192,135	588,678	799,556	522,102
う ち 受 入 分	"	282,809	-	-	107,025	9,180

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,459,418	237,854	92,772	1,167,050	50,440
石油系燃料(原油換算)	"	1,118,438	5,008	10,324	842,489	19,618
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	61	51	-	1	1
改 質 生 成 油	"	386,625	-	-	380,805	-
灯 油	"	287,080	-	-	287,080	-
軽 油	"	18,954	322	7	17,541	51
A 重 油	"	586	48	12	4	-
B・C 重 油	"	9,337	153	169	711	134
炭 化 水 素 油	"	78,775	3,821	5,916	26,748	7,388
液 化 石 油 ガ ス	t	23,251	-	-	18,943	-
石油系炭化水素ガス	1000m ³	54,029	257	-	47,231	27
オ イ ル コ ー ク ス	t	181,698	-	-	77,561	-
ア ス フ ァ ル ト	"	101,481	-	2,624	41,537	13,272
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,975	-	1,432	-	-
非石油系燃料(原油換算)	kl	2,174,904	227,758	79,539	284,572	27,980
石 炭 コ ー ク ス	t	1,702,644	330,958	16,288	376,330	35,890
コ ー ク ス 炉 ガ ス	1000m ³	673,545	3,380	-	3,135	-
高 炉 ガ ス	"	196,452	-	-	1,739	-
液 化 天 然 ガ ス	t	1,498,457	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,383	-	195	6,973	631
回 収 黒 液	1000m ³	43,255	680	1,388	2,521	2,715
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	159,038	-	159,038	...	...
R P F	t	3,173	1,715	138	1,715	-
	"	6,367	-	5,044	1,323	-
電 力	1000kWh	2,731,279	547,409	176,520	892,511	85,495
う ち 購 入 分	"	1,535,496	37,998	31,275	212,278	16,370
蒸 気	t	8,296,572	2,324,329	1,184,722	4,122,311	567,080
う ち 受 入 分	"	336,204	22,469	-	292,830	19,070

(令和3年5月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
113,252	38,439	21,883	938,673	3,849	31,063	Total
102,558	16,393	1,567	2,772	1,040	1,823	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
2	2	-	-	-	331	(Crude petroleum equivalent)
281	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
3,087	150	-	73	67	166	Naphtha
761	26	-	266	33	387	Oil produced by conversion
106	279	-	150	787	286	Kerosene
3,287	6,280	1,451	259	-	-	Gas oils
-	5,395	-	-	-	-	Heavy Fuel oil A
471	202	-	1,507	6	550	Heavy Fuel oil B・C
71,625	-	-	-	-	-	Hydrocarbon oil
-	899	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,454	-	58	140	-	Asphalt
8,303	18,030	15,994	876,050	2,167	11,402	Reproduction oil (Oil origin)
-	20,388	-	523,214	-	-	Non-oil based fuels
-	535	-	295,388	-	-	(Crude petroleum equivalent)
-	1,941	-	117,540	-	-	Coal
-	1,299	-	1,081,043	-	-	Coal coke
5,874	-	2,927	5,402	355	1,953	Coke oven gas
-	1,027	11,165	62,647	1,568	8,137	Blast furnace gas
...	...	...	...	...	...	Liquefied natural gas
-	576	-	13	-	-	Town gas(B)
-	11	-	-	-	-	Black liquor
68,704	52,180	52,182	993,566	6,907	199,634	Waste plastic
25,649	43,144	46,461	519,690	6,816	191,771	Refuse Paper & Plastic Fuel
477,903	69,069	8,277	1,374,868	922	...	Electricity
69	44	-	166,491	-	...	among those purchased
						Steam
						among those accepted
226,518	283,266	79	1,829,698	10,060	37,391	Total
211,214	9,750	-	25,560	2,241	2,250	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
2	-	-	50	-	58	(Crude petroleum equivalent)
5,820	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	454	-	839	130	254	Naphtha
1	27	-	343	85	162	Oil produced by conversion
402	312	-	5,668	1,250	844	Kerosene
32,875	3,916	-	5,036	717	-	Gas oils
-	418	-	3,890	-	-	Heavy Fuel oil A
1,547	191	-	4,551	3	736	Heavy Fuel oil B・C
104,137	-	-	-	-	-	Hydrocarbon oil
36,089	4,078	-	3,881	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	543	-	-	-	-	Petroleum coke
10,433	268,997	-	1,714,472	1,812	14,857	Asphalt
-	381,806	-	1,223,288	-	-	Reproduction oil (Oil origin)
-	5,877	-	665,339	2,329	245	Non-oil based fuels
-	4,378	-	190,335	-	-	(Crude petroleum equivalent)
-	126	-	1,498,331	-	-	Coal
7,381	4	-	1,122	-	77	Coal coke
-	500	-	23,350	63	13,398	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,715	-	1,320	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
163,546	559,965	849	1,066,920	67,419	265,463	Black liquor
46,468	45,367	849	939,441	63,405	218,041	Waste plastic
1,180,591	2,248,012	-	1,280,201	37,984	...	Refuse Paper & Plastic Fuel
7,945	4,320	-	32,937	1,571	...	Electricity
						among those purchased
						Steam
						among those accepted

(May, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	913,222	-	259,437	506,659	31,534
石 油 系 燃 料 (原 油 換 算)	"	316,261	-	92,339	173,236	9,168
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	27	-	4	-	-
改 質 生 成 油	"	1,176	-	-	1,176	-
灯 油	"	152,847	-	-	152,847	-
軽 油	"	1,289	-	5	289	-
A 重 油	"	305	-	212	-	-
B ・ C 重 油	"	2,535	-	1,775	7	-
炭 化 水 素 油	"	22,144	-	5,967	6,547	4,609
液 化 石 油 ガ ス	t	3,552	-	-	936	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	72,108	-	64,669	3,583	-
オ イ ル コ ー ク ス	t	35,869	-	-	18,051	-
ア ス フ ァ ル ト	"	11,018	-	-	2,766	4,869
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		360	-	167	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	540,425	-	162,573	302,131	21,199
石 炭 コ ー ク ス	t	600,561	-	144,454	362,279	28,806
コ ー ク ス 炉 ガ ス	1000m ³	12,818	-	-	4,014	-
高 炉 ガ ス	"	50,187	-	-	50,187	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,147	-	1,420	292	-
回 収 黒 液	絶乾(Dry)t	1,793	-	125	-	1,668
廃 プ ラ ス チ ッ ク	t	147,184	-	147,184	...	...
R P F	"	61	-	61	-	-
	"	8,581	-	8,581	-	-
電 力	1000kWh	942,918	-	403,289	192,908	59,968
う ち 購 入 分	"	426,929	-	36,144	181,235	12,290
蒸 気	t	3,974,853	-	2,745,763	294,880	348,287
う ち 受 入 分	"	243,360	-	16,834	208,808	347

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,000,928	883	52,615	567,777	6,338
石 油 系 燃 料 (原 油 換 算)	"	416,735	233	5,786	324,593	270
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	736	-	-	-	-
改 質 生 成 油	"	297,855	-	-	297,855	-
灯 油	"	30,895	-	-	30,895	-
軽 油	"	1,992	235	256	556	-
A 重 油	"	388	5	1	27	-
B ・ C 重 油	"	3,753	-	287	2,295	-
炭 化 水 素 油	"	16,943	-	4,432	4,174	250
液 化 石 油 ガ ス	t	5,647	-	-	5,287	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	22,713	5	-	16,060	-
オ イ ル コ ー ク ス	t	15,161	-	-	5,899	-
ア ス フ ァ ル ト	"	54,348	-	530	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		6,334	-	12	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,453,628	-	44,273	208,944	-
石 炭 コ ー ク ス	t	1,194,807	-	33,120	271,249	-
コ ー ク ス 炉 ガ ス	1000m ³	424,576	-	-	-	-
高 炉 ガ ス	"	187,345	-	-	38,423	-
液 化 天 然 ガ ス	t	932,075	-	-	-	-
都 市 ガ ス (B)	1000m ³	15,917	-	-	929	-
回 収 黒 液	絶乾(Dry)t	10,028	-	112	2,893	-
廃 プ ラ ス チ ッ ク	t	54,566	-	54,566	...	...
R P F	"	17,216	-	-	1,940	-
	"	-	-	-	-	-
電 力	1000kWh	1,445,995	6,984	131,631	147,441	16,092
う ち 購 入 分	"	1,058,567	6,984	27,474	100,225	16,092
蒸 気	t	2,523,372	-	788,531	782,006	66,136
う ち 受 入 分	"	445,784	-	-	341,957	66,136

(令和3年5月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
28,703	50,908	-	15,587	14,067	6,327	Total
28,701	5,706	-	2,193	4,645	273	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	21	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
50	92	-	42	804	7	- Oil produced by conversion
-	87	-	2	4	-	Kerosene
-	282	-	49	265	157	- Gas oils
2,380	450	-	7	2,184	-	Heavy Fuel oil A
-	1,582	-	-	1,034	-	Heavy Fuel oil B・C
2,010	-	-	1,618	146	82	- Hydrocarbon oil
17,818	-	-	-	-	-	Liquefied petroleum gas
-	3,383	-	-	-	-	- Hydrocarbon gas
-	-	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	193	-	-	-	-	- Reproduction oil (Oil origin)
-	44,432	-	7,778	612	1,700	Non-oil based fuels
-	64,415	-	-	607	-	(Crude petroleum equivalent)
-	782	-	7,751	271	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	232	-	1,203	- Liquefied natural gas
-	-	-	-	-	-	- Town gas(B)
...	...	...	...	...	...	- Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
25,551	57,599	-	64,602	92,170	46,831	Electricity
20	8,277	-	60,367	81,790	46,806	among those purchased
161,038	340,952	-	28,860	55,073	...	Steam
-	-	-	-	17,371	...	among those accepted
18,639	158,513	396	1,161,757	6,811	28,963	Total
18,006	51,861	24	11,663	2,433	2,331	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	735	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	735 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	73	-	703	89	550	- Kerosene
-	27	-	320	-	18	- Gas oils
2	403	20	348	83	315	- Heavy Fuel oil A
4,389	1,759	-	615	1,324	-	- Heavy Fuel oil B・C
-	360	-	-	-	-	- Hydrocarbon oil
817	1,228	3	3,704	254	652	- Liquefied petroleum gas
9,262	-	-	-	-	-	- Hydrocarbon gas
-	48,017	-	5,578	223	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	5,948	-	71	303	-	- Reproduction oil (Oil origin)
-	100,041	-	1,094,251	964	5,154	Non-oil based fuels
-	131,238	-	759,200	-	-	(Crude petroleum equivalent)
-	47	-	423,818	711	-	- Coal
-	4,105	-	144,817	-	-	- Coal coke
-	-	-	932,075	-	-	- Coke oven gas
-	-	-	14,463	305	220	- Blast furnace gas
-	-	-	2,466	-	4,557	- Liquefied natural gas
...	...	...	...	...	...	- Town gas(B)
-	10,371	-	4,905	-	-	- Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
11,335	169,685	4,000	697,028	43,418	232,349	Electricity
6,802	69,668	4,000	573,703	36,706	230,881	among those purchased
79,232	374,153	-	369,762	63,552	...	Steam
-	1,885	-	35,806	-	...	among those accepted

(May, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年6月分
June, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

 1) 固有単位表 20

 2) 熱量単位表 20

(2) 燃料受払

 1) 燃料種別表 24

 ① 固有単位表 24

 ② 熱量単位表 24

 2) 業種別表

 ① パルプ・紙・板紙工業 26

 ② 化学繊維工業 26

 ③ 石油製品工業 28

 ④ ガラス製品工業 28

 ⑤ 化学工業 30

 ⑥ 窯業・土石製品工業 30

 ⑦ 鉄鋼業 32

 ⑧ 非鉄金属地金工業 34

 ⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

 1) 直接投入エネルギー表 38

 2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

 経済産業局別業種別エネルギー消費

 1) 北海道経済産業局管内 52

 2) 東 北 " 52

 3) 関 東 " 54

 4) 中 部 " 54

 5) 近 畿 " 56

 6) 中 国 " 56

 7) 四 国 " 58

 8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

 1) Table of original units 20

 2) Table of energy units 20

(2) Fuel input/output

 1) Table for type kind of energy 24

 ① Table of original unit 24

 ② Table of energy unit 24

 2) Tables for individual industry

 ① Pulp,paper,paper board industry 26

 ② Chemical fiber industry 26

 ③ Petroleum products industry 28

 ④ Glass products industry 28

 ⑤ Chemical industry 30

 ⑥ Ceramic, stone and clay product industry 30

 ⑦ Iron and steel industry 32

 ⑧ Non-ferrous metals industry 34

 ⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

 1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

 2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

 Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

 1) Hokkaido Bureau of Economy, Trade and Industry 52

 2) Tohoku Bureau of Economy, Trade and Industry 52

 3) Kanto Bureau of Economy, Trade and Industry 54

 4) Chubu Bureau of Economy, Trade and Industry 54

 5) Kansai Bureau of Economy, Trade and Industry 56

 6) Chugoku Bureau of Economy, Trade and Industry 56

 7) Shikoku Bureau of Economy, Trade and Industry 58

 8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、鹿児島各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 構外運搬に使用されたものは除く。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
都市ガス（注3）				
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
RPF	t	26.9MJ/kg		
電力蒸気	電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。
	蒸気	t	2.675MJ/kg	

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
	Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
		(原油換算) Crude petroleum equivalent		(原油換算) Crude petroleum equivalent	原油 petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 4～6月	33,103,188	30,718,000	30,363,014	16,256,823	732	8,825	6,807,577	3,341,022	343,235	22,062
7～9	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10～12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1～3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4～6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
2 年 4月	11,859,920	11,068,101	10,888,979	5,882,861	304	3,220	2,473,699	1,226,738	93,567	5,659
5	10,851,560	10,022,713	9,957,107	5,316,001	234	2,099	2,216,021	1,068,564	109,783	4,555
6	10,391,708	9,627,186	9,516,928	5,057,961	194	3,506	2,117,857	1,045,720	139,885	11,848
7	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
前年同月比(%)	14.3	17.4	14.0	7.6	-	25.9	9.7	▲ 6.3	▲ 33.7	86.3

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)										
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG	都市ガス (B)	Town gas
	t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 4～6月	17,311,116	6,400,669	124,113	2,516,826	16,245,377	970,218	23,702	146,786	344,843	1,204,583	
7～9	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10～12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1～3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
4～6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699	
2 年 4月	6,094,664	2,246,985	44,324	854,680	5,857,118	339,037	7,744	52,259	117,523	430,940	
5	5,769,561	2,125,905	44,360	867,109	5,343,200	332,789	8,286	51,824	111,763	376,112	
6	5,446,891	2,027,779	35,429	795,037	5,045,059	298,392	7,672	42,703	115,557	397,531	
7	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338	
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366	
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105	
前年同月比(%)	20.4	15.9	13.5	13.3	29.6	32.1	▲ 18.4	3.3	10.1	15.2	

注1. 原油にはNGL・コンデンセートを含む。
 3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計									非石油系燃料計 Non-oil based fuels total (原油換算) Crude petroleum equivalent	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl		
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
406,831	46,912	359,919	125,831	362,063	1,001,842	301,064	49,600	28,095	8,405,234	Apr. 2020
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
▲ 7.3	3.2	▲ 9.0	▲ 16.3	57.4	1.4	0.4	36.4	28.9	19.7	R・S

回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力		蒸気		Year, quarter and Month
						Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
891,755	609,805	196,616	37,159	53,894	49,481	13,641,706	7,880,720	39,644,297	3,144,950	Apr. 2020
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
26.5	75.2	▲ 4.9	7.9	11.8	20.1	13.5	20.3	2.6	10.3	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	15,444,156	11,300,729	14,413,318	5,444,668	-	4,413	2,323,538	980,207	92,685
重複事業所分補正量 Duplication adjustment	292,501	-	263,448	12,627	-	79	-	-	658
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	982,324	870,683	940,687	171,316	...	6	-	-	502
化学工業 Chemical industry	5,511,387	4,352,850	5,241,673	4,087,715	-	16	2,316,513	980,207	76,065
化学繊維工業 Chemical fibers industry	167,496	45,344	141,022	33,569	...	5	-	-	169
石油製品工業 Petroleum products industry	994,997	864,898	950,340	904,199	...	15	7,025	-	3,869
窯業・土石製品工業 Ceramics, clay and stone products industry	702,352	497,044	665,029	129,478	...	22	-	-	1,122
ガラス製品工業 Glass products industry	42,062	40,751	33,016	4,735	...	-	-	-	3
鉄鋼業 Iron and steel industry	6,890,481	4,295,442	6,505,685	85,630	...	105	-	-	7,606
非鉄金属地金工業 Non-ferrous metals industry	3,903,844	79,160	3,519,048	21,019	...	5	-	-	1,457
機械工業 Machinery industry	92,806	254,555	47,087	19,635	...	4,318	-	-	2,550

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	597,688,833	437,338,214	557,795,431	210,708,670	-	147,394	77,373,815	33,032,976	3,383,020
重複事業所分補正量 Duplication adjustment	11,319,803	-	10,195,452	488,667	-	2,639	-	-	24,017
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	38,015,953	33,695,438	36,404,583	6,629,913	...	200	-	-	18,323
化学工業 Chemical industry	213,290,682	168,455,308	202,852,762	158,194,570	-	534	77,139,883	33,032,976	2,776,373
化学繊維工業 Chemical fibers industry	190,788,897	1,754,828	180,350,977	1,299,106	...	167	-	-	6,169
石油製品工業 Petroleum products industry	6,482,078	1,754,828	5,457,557	1,299,106	...	167	-	-	6,169
窯業・土石製品工業 Ceramics, clay and stone products industry	38,506,377	33,471,564	36,778,170	34,992,508	...	501	233,933	-	141,219
窯業・土石製品工業 Ceramics, clay and stone products industry	27,181,013	19,235,608	25,736,616	5,010,782	...	735	-	-	40,953
窯業・土石製品工業 Ceramics, clay and stone products industry	27,181,013	19,235,608	25,736,616	5,010,782	...	735	-	-	40,953
ガラス製品工業 Glass products industry	1,627,807	1,577,062	1,277,733	183,243	...	-	-	-	110
鉄鋼業 Iron and steel industry	266,661,614	166,233,609	251,770,007	3,313,885	...	3,507	-	-	277,621
鉄鋼業 Iron and steel industry	151,078,775	166,233,609	136,187,167	3,313,885	...	3,507	-	-	277,621
非鉄金属地金工業 Non-ferrous metals industry	3,591,578	3,063,494	1,822,256	813,447	...	167	-	-	53,181
非鉄金属地金工業 Non-ferrous metals industry	3,591,578	3,063,494	1,822,256	813,447	...	167	-	-	53,181
機械工業 Machinery industry	13,651,533	9,851,302	5,891,200	759,882	...	144,221	-	-	93,091

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年6月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
22,074	301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650
455	5,381	699	4,682	-	522	-	5,876	-	-	250,821
293	67,050	9,337	57,713	3,207	65,998	-	8,720	-	2,474	769,371
14,724	53,647	3,675	49,972	71,258	355,854	351,336	113,752	-	1,712	1,153,958
9	16,095	3,084	13,011	26	481	-	18,122	-	-	107,454
1,503	93,802	8,444	85,358	-	21,638	509,046	53,502	45,907	-	46,141
1,164	33,617	2,471	31,146	19,391	1,686	-	51,629	-	23,567	535,551
2	4,091	312	3,779	-	38	-	-	-	275	28,281
1,977	25,095	12,879	12,216	6,393	19,094	3	21,901	-	99	6,420,055
282	10,268	4,434	5,834	3,584	555	-	1,012	-	3,188	26,067
2,575	3,103	3,096	7	1	6,065	-	-	-	-	132,592

単位 Unit: GJ

838,809	12,461,775	1,829,672	10,632,104	4,154,400	23,591,727	43,879,635	8,749,975	1,836,280	1,258,863	347,086,762
17,290	222,899	27,191	195,708	-	26,152	-	195,671	-	-	9,706,785
11,134	2,775,645	363,242	2,412,403	128,280	3,306,500	-	290,376	-	99,455	29,774,670
559,512	2,231,787	142,958	2,088,830	2,850,320	17,828,285	17,918,136	3,787,942	-	68,822	44,658,192
342	663,827	119,968	543,860	1,040	24,098	-	603,463	-	-	4,158,451
57,114	3,896,436	328,472	3,567,964	-	1,084,064	25,961,346	1,781,617	1,836,280	-	1,785,662
44,232	1,398,114	96,122	1,301,993	775,640	84,469	-	1,719,246	-	947,393	20,725,834
76	170,099	12,137	157,962	-	1,904	-	-	-	11,055	1,094,489
75,126	1,011,643	500,998	510,646	255,720	956,833	153	729,303	-	3,980	248,456,121
10,714	416,363	172,502	243,861	143,360	27,806	-	33,700	-	128,158	1,008,808
97,849	120,759	120,466	293	40	303,922	-	-	-	-	5,131,319

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(June, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201
重複事業所分補正量 Duplication adjustment	323,667	9,866	-	-	-	-	-	6,912	1,796
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	379,292	486	...	-	-	-	-	4,674	8,488
化学工業 Chemical industry	1,296,189	12,922	30,470	101,816	102,134	-	-	30,612	57,348
化学繊維工業 Chemical fibers industry	88,937	-	...	-	-	-	-	-	839
石油製品工業 Petroleum products industry	27,866	-	...	-	-	-	-	2,652	17,058
窯業・土石製品工業 Ceramics, clay and stone products industry	682,348	19,806	...	23,131	1,549	15,261	-	8,482	77
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,732
鉄鋼業 Iron and steel industry	4,405,269	2,309,968	9,743	776,127	6,401,474	378,788	6,260	2,172	28,800
非鉄金属地金工業 Non-ferrous metals industry	4,022	15,258	...	-	34,804	-	-	-	2,197
機械工業 Machinery industry	-	798	...	-	-	-	-	2,433	8,458

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	180,002,454	68,131,807	1,499,945	18,291,802	23,347,661	3,282,428	52,146	1,874,803	6,957,895
重複事業所分補正量 Duplication adjustment	8,447,709	286,114	-	-	-	-	-	293,760	98,241
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	9,899,521	14,094	...	-	-	-	-	198,645	464,294
化学工業 Chemical industry	33,830,533	374,738	1,136,531	2,066,865	364,618	-	-	1,301,010	3,136,936
化学繊維工業 Chemical fibers industry	2,321,256	-	...	-	-	-	-	-	45,893
石油製品工業 Petroleum products industry	727,303	-	...	-	-	-	-	112,710	933,073
窯業・土石製品工業 Ceramics, clay and stone products industry	17,809,283	574,393	...	469,559	5,530	127,124	-	360,485	4,212
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	313,540
鉄鋼業 Iron and steel industry	123,757,293	66,989,072	363,414	15,755,378	22,853,262	3,155,304	52,146	92,310	1,575,360
非鉄金属地金工業 Non-ferrous metals industry	104,974	442,482	...	-	124,250	-	-	-	120,176
機械工業 Machinery industry	-	23,142	...	-	-	-	-	103,403	462,653

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年6月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
458,105	821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109
13,402	-	-	-	-	1,029	-	824,487	242,200	2,381,965	37,407
67,745	821,351	...	181,906	18,393	5,164	50,962	1,926,815	379,456	11,338,607	57,496
41,204	...	...	-	15,485	7,069	1,199	2,702,222	1,395,941	10,278,909	1,917,994
43,584	...	...	-	-	-	-	442,835	208,617	1,493,559	102,243
306	...	...	-	-	-	-	778,117	209,158	5,379,002	364,575
8,550	...	...	193	4,364	27,554	2,540	1,121,863	354,086	3,146,028	6,475
19,001	...	...	-	-	-	-	105,425	92,698	10,618	-
175,325	...	847,304	3,374	857	18,354	-	5,264,785	3,889,456	6,154,567	332,431
5,278	...	...	-	-	-	-	474,163	358,908	307,026	35,302
110,514	...	...	-	-	-	-	2,411,795	2,155,648	...	...

単位 Unit: GJ

18,828,130	11,170,374	6,032,804	3,171,588	1,298,087	1,673,382	1,471,457	51,852,719	31,686,365	95,567,991	7,434,117
550,812	-	-	-	-	30,150	-	2,968,153	871,920	6,371,756	100,064
2,784,320	11,170,374	...	3,110,593	610,648	151,305	1,370,878	6,936,534	1,366,042	30,330,774	153,802
1,693,484	...	...	-	514,102	207,122	32,253	9,727,999	5,025,388	27,496,082	5,130,634
1,791,302	...	...	-	-	-	-	1,594,206	751,021	3,995,271	273,500
12,577	...	...	-	-	-	-	2,801,221	752,969	14,388,831	975,238
351,405	...	...	3,300	144,885	807,332	68,326	4,038,707	1,274,710	8,415,625	17,321
780,949	...	...	-	-	-	-	379,530	333,713	28,403	-
7,205,858	...	6,032,804	57,695	28,452	537,772	-	18,953,226	14,002,042	16,463,467	889,253
216,926	...	...	-	-	-	-	1,706,987	1,292,069	821,295	94,433
4,542,122	...	...	-	-	-	-	8,682,462	7,760,333	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(June, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	11,355,895	3,578,398	14,413,318	2,369,092	410,620
(ネット)	"	"	"	10,845,240	"	"
石 油 系 燃 料 (原 油 換 算)	"	4,191,398	-	5,444,668	650,846	196,529
原ガソリン	"	-	...	-	-	-
ナフサ	"	4,373	...	4,413	...	...
改質生成油	"	2,486,742	...	2,323,538	46	18
灯油	"	987,967	...	980,207	-	-
軽油	"	89,173	...	92,685	1,210	3,782
重油	"	19,625	...	22,074	4	44
計	"	212,306	...	301,387	182,065	9,579
A重油	"	38,553	...	47,033	20,028	3,440
B・C重油	"	173,753	...	254,354	162,037	6,139
炭化水素油	"	37,651	...	103,860	52,676	-
液化石油ガス	t	477,545	...	470,887	71,873	16,646
石炭化水素ガス	1000m³	15,989	...	860,385	128,470	89,185
オイルコークス	t	170,471	...	262,762	152,889	-
再生油(石油由来)	kl	-	...	45,907	3,594	42,313
再	"	31,624	-	31,315	2,358	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,164,496	3,578,398	8,968,650	1,718,246	214,091
石炭(注2)	t	7,333,542	...	6,560,256	1,255,694	-
タコークス(注3)	"	674,161	2,538,248	2,349,372	-	-
コークス	"	22,723	72,948	40,213	-	-
高炉ガス	1000m³	161,895	1,090,016	901,074	123,204	-
転炉ガス	"	232,966	9,364,651	6,539,961	2,286,376	-
電炉ガス	"	19,615	566,157	394,049	137,833	-
天然ガス	"	-	7,853	6,260	5,407	-
液化天然ガス	"	37,541	4,763	44,113	12,674	16,072
都市ガス(A)	t	131,716	...	127,201	16,990	32,545
都市ガス(B)	1000m³	422,336	...	422,336	76,157	131,155
回収黒液素	"	458,103	...	458,105	82,395	141,652
酸化	液乾(Dry)t	821,404	...	821,351	821,351	-
廃材	1000Nm³	697,217	198,573	847,304	-	-
廃ヤク	液乾(Dry)t	186,683	-	185,473	184,916	-
廃材	t	41,721	-	39,099	33,878	-
廃ヤク	"	58,167	6,722	57,112	5,164	-
R	"	55,614	-	54,701	52,155	6

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収	合 計	ボイラ用	コージェネ
合 計 (原 油 換 算)	GJ	439,473,149	138,484,006	557,795,431	91,683,866	15,890,997
(ネット)	"	"	"	419,710,807	"	"
石 油 系 燃 料 (原 油 換 算)	"	162,207,139	-	210,708,670	25,187,751	7,605,660
原ガソリン	"	-	...	-	-	-
ナフサ	"	146,058	...	147,394	...	...
改質生成油	"	82,808,509	...	77,373,815	1,532	599
灯油	"	33,294,488	...	33,032,976	-	-
軽油	"	3,254,831	...	3,383,020	44,165	138,043
重油	"	745,747	...	838,809	152	1,672
計	"	8,762,785	...	12,461,775	7,552,300	390,426
A重油	"	1,499,801	...	1,829,672	779,153	133,816
B・C重油	"	7,262,985	...	10,632,104	6,773,147	256,610
炭化水素油	"	1,506,040	...	4,154,400	2,107,040	-
液化石油ガス	"	23,925,273	...	23,591,727	3,600,837	833,965
石炭化水素ガス	"	815,439	...	43,879,635	6,551,970	4,548,435
オイルコークス	"	5,676,684	...	8,749,975	5,091,204	-
再生油(石油由来)	"	-	...	1,836,280	143,760	1,692,520
再	"	1,271,285	-	1,258,863	94,792	-
非 石 油 系 燃 料 (原 油 換 算)	"	277,266,010	138,484,006	347,086,762	66,496,115	8,285,337
石炭(注2)	"	201,044,793	...	180,002,454	32,773,613	-
タコークス(注3)	"	19,550,687	73,609,192	68,131,807	-	-
コークス	"	847,568	2,720,960	1,499,945	-	-
高炉ガス	"	3,286,469	22,127,325	18,291,802	2,501,041	-
転炉ガス	"	831,689	33,431,804	23,347,661	8,162,362	-
電炉ガス	"	163,393	4,716,088	3,282,428	1,148,149	-
天然ガス	"	-	65,415	52,146	45,040	-
液化天然ガス	"	1,595,493	202,428	1,874,803	538,645	683,060
都市ガス(A)	"	7,204,865	...	6,957,895	929,353	1,780,212
都市ガス(B)	"	18,828,048	...	18,828,130	3,386,449	5,821,904
回収黒液素	"	11,171,094	...	11,170,374	11,170,374	-
酸化	"	4,964,185	1,413,840	6,032,804	...	-
廃材	"	3,192,279	-	3,171,588	3,162,064	-
廃ヤク	"	1,385,137	-	1,298,087	1,124,750	-
廃材	"	1,704,293	196,955	1,673,382	151,305	-
R	"	1,496,017	-	1,471,457	1,402,970	161

注1. 原油にはNGL・コンデンセートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年6月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
11,633,606	6,281,788	5,136,533	215,286	1,696,687	9,278,591	Total (Crude petroleum equivalent) (Net)
4,597,293	3,465,783	1,037,601	93,909	98,239	1,647,679	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,295	348	Crude petroleum
4,413	...	5	4,408	4	1,710	Gasoline
2,323,474	2,319,144	1,958	2,372	15,774	615,189	Naphtha
980,207	980,207	-	-	5,727	13,169	Oil produced by conversion
87,693	73,326	10,694	3,673	95	17,626	Kerosene
22,026	14,410	1,728	5,888	29	11,243	Gas oils
109,743	4,486	95,768	9,489	7,170	252,968	Heavy Fuel oil total
23,565	-	19,243	4,322	800	55,492	Heavy Fuel oil A
86,178	4,486	76,525	5,167	6,370	197,476	Heavy Fuel oil B・C
51,184	18,857	31,725	602	345	16,320	Hydrocarbon oil
382,368	323,147	33,092	26,129	41,712	119,406	Liquefied petroleum gas
642,730	30,865	587,909	23,956	...	...	Hydrocarbon gas
109,873	58,131	50,680	1,062	17,960	727,986	Petroleum coke
-	-	-	-	-	-	Asphalt
28,957	-	27,075	1,882	-	10,070	Reproduction oil (Oil origin)
7,036,313	2,816,005	4,098,931	121,377	1,598,448	7,630,912	Non-oil based fuels (Crude petroleum equivalent)
5,304,562	3,700,613	1,603,243	706	546,309	8,348,867	Coal
2,349,372	41,324	2,301,632	6,416	853,703	2,067,684	Coal coke
40,213	40,213	-	-	60,993	37,602	Tar
777,870	617	739,863	37,390	337,530	...	Coke oven gas
4,253,585	-	3,842,468	411,117	2,940,731	...	Blast furnace gas
256,216	-	237,400	18,816	164,226	...	Converter furnace gas
853	-	853	-	1,593	...	Electric furnaces gas
15,367	2,366	11,931	1,070	882	14	Natural gas
77,666	20,654	53,047	3,965	10,998	43,050	Liquefied natural gas
215,024	-	187,151	27,873	...	...	Town gas(A)
234,058	-	203,656	30,402	...	...	Town gas(B)
-	-	-	-	-	3,146	Black liquor
847,304	-	771,934	75,370	30,624	1,331	Oxygen
557	-	533	24	459	45,366	Waste material
5,221	857	4,364	-	-	28,533	Used tires
51,948	18,810	31,079	2,059	4,155	32,673	Waste plastic
2,540	-	2,540	-	-	18,365	Refuse Paper & Plastic Fuel
450,220,569	243,105,186	198,783,814	8,331,568	65,661,793	359,081,489	Total (Crude petroleum equivalent) (Net)
177,915,259	134,125,787	40,155,178	3,634,293	3,801,868	63,765,193	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	79,866	12,845	Crude petroleum
147,394	...	167	147,227	134	57,114	Gasoline
77,371,684	77,227,495	65,201	78,988	525,274	20,485,794	Naphtha
33,032,976	33,032,976	-	-	193,000	443,795	Oil produced by conversion
3,200,812	2,676,399	390,349	134,065	3,468	643,351	Kerosene
836,985	547,580	65,664	223,741	1,102	427,234	Gas oils
4,519,050	187,515	3,947,334	384,201	297,386	10,413,235	Heavy Fuel oil total
916,703	-	748,573	168,130	31,120	2,158,718	Heavy Fuel oil A
3,602,347	187,515	3,198,761	216,071	266,266	8,254,517	Heavy Fuel oil B・C
2,047,360	754,280	1,269,000	24,080	13,800	652,800	Hydrocarbon oil
19,156,925	16,189,665	1,658,046	1,309,215	2,089,771	5,982,277	Liquefied petroleum gas
32,779,230	1,574,115	29,983,359	1,221,756	...	...	Hydrocarbon gas
3,658,771	1,935,762	1,687,644	35,365	598,068	24,241,934	Petroleum coke
-	-	-	-	-	-	Asphalt
1,164,071	-	1,088,415	75,656	-	404,814	Reproduction oil (Oil origin)
272,305,310	108,979,400	158,628,636	4,697,275	61,859,925	295,316,296	Non-oil based fuels (Crude petroleum equivalent)
147,228,841	104,458,619	42,751,691	18,530	15,109,249	228,368,805	Coal
68,131,807	1,198,396	66,747,347	186,064	24,757,387	59,962,852	Coal coke
1,499,945	1,499,945	-	-	2,275,039	1,402,555	Tar
15,790,761	12,525	15,019,219	759,017	6,851,859	...	Coke oven gas
15,185,298	-	13,717,611	1,467,688	10,498,410	...	Blast furnace gas
2,134,279	-	1,977,542	156,737	1,368,003	...	Converter furnace gas
7,105	-	7,105	-	13,270	...	Electric furnaces gas
653,098	100,555	507,068	45,475	37,485	595	Natural gas
4,248,330	1,129,774	2,901,671	216,886	601,591	2,354,835	Liquefied natural gas
9,619,777	-	8,370,272	1,249,505	...	...	Town gas
-	-	-	-	-	42,786	Black liquor
6,032,804	-	5,496,170	536,634	218,043	9,477	Oxygen
9,525	-	9,114	410	7,849	775,759	Waste material
173,337	28,452	144,885	-	-	947,296	Used tires
1,522,076	551,133	910,615	60,329	121,742	957,319	Waste plastic
68,326	-	68,326	-	-	494,019	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(June, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	1,009,216	940,687	863,744	45,116
石 油 系 燃 料 (原 油 換 算)	〃	167,894	171,316	146,227	198
ガ ソ リ ン	〃	6	6	...	...
灯 油	〃	593	502	165	-
軽 油	〃	307	293	4	7
重 油 計	〃	66,160	67,050	49,533	190
A 重 油	〃	9,565	9,337	8,494	190
B・C 重 油	〃	56,595	57,713	41,039	-
炭 化 水 素 油	〃	4,136	3,207	2,317	-
液 化 石 油 ガ ス	t	64,148	65,998	64,950	-
オ イ ル コ ー ク ス	〃	7,855	8,720	6,903	-
ア ス フ ェ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,124	2,474	756	-
非 石 油 系 燃 料 (原 油 換 算)	kl	841,322	769,371	717,517	44,918
石 炭	t	480,821	379,292	379,292	-
炭 コ ー ク ス	〃	1,500	486	-	-
天 然 ガ ス	1000m ³	4,674	4,674	1,167	3,342
液 化 天 然 ガ ス	t	8,625	8,488	4,743	2,832
都 市 ガ ス (A)	1000m ³	62,723	62,723	26,166	32,293
都 市 ガ ス (B)	〃	67,743	67,745	28,028	35,066
回 収 黒 液 材	絶乾(Dry)t	821,404	821,351	821,351	-
廃 タ イ ヤ	t	183,116	181,906	181,542	-
廃 プ ラ ス チ ッ ク	〃	19,932	18,393	18,393	-
R P F	〃	5,182	5,164	5,164	-
R P F	〃	51,881	50,962	50,956	6

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	140,136	141,022	97,175	33,419
石 油 系 燃 料 (原 油 換 算)	〃	45,473	33,569	28,159	1,029
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	195	169	39	-
軽 油	〃	13	9	-	2
重 油 計	〃	15,028	16,095	11,463	1,022
A 重 油	〃	2,518	3,084	1,810	1,022
B・C 重 油	〃	12,510	13,011	9,653	-
炭 化 水 素 油	〃	26	26	26	-
液 化 石 油 ガ ス	t	482	481	198	-
オ イ ル コ ー ク ス	〃	33,212	18,122	18,122	-
ア ス フ ェ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	94,664	107,454	69,016	32,389
石 炭	t	69,990	88,937	88,937	-
液 化 天 然 ガ ス	〃	833	839	761	-
都 市 ガ ス (A)	1000m ³	40,039	40,039	6,998	27,878
都 市 ガ ス (B)	〃	43,581	43,584	7,495	30,498
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	〃	-	-	-	-

(令和3年6月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
31,827	27,852	3,974	16,891	518,755	Total (Crude petroleum equivalent)
24,891	22,047	2,843	6,536	89,149	Oil based fuels (Crude petroleum equivalent)
6	...	6	-	2	Gasoline
337	296	41	9	923	Kerosene
282	2	280	10	26	Gas oils
17,327	16,196	1,131	6,041	63,953	Heavy Fuel oil total
653	576	77	91	6,409	Heavy Fuel oil A
16,674	15,620	1,054	5,950	57,544	Heavy Fuel oil B・C
890	872	18	-	5,145	Hydrocarbon oil
1,048	567	481	-	8,193	Liquefied petroleum gas
1,817	1,401	416	-	1,857	Petroleum coke
-	-	-	-	-	Asphalt
1,718	1,420	298	-	2,054	Reproduction oil (Oil origin)
6,936	5,805	1,131	10,355	429,606	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	15,053	559,797	Coal
486	-	486	-	1,254	Coal coke
165	148	17	-	...	Natural gas
913	803	110	-	834	Liquefied natural gas
4,264	3,759	505	...	...	Town gas(A)
4,651	4,103	548	...	...	Town gas(B)
-	-	-	-	3,146	Black liquor
364	340	24	459	45,366	Waste material
-	-	-	-	18,621	Used tires
-	-	-	-	217	Waste plastic
-	-	-	-	18,213	Refuse Paper & Plastic Fuel
10,428	7,159	3,269	-	179,941	Total (Crude petroleum equivalent)
4,380	2,506	1,875	-	104,618	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
130	14	116	-	86	Kerosene
7	-	7	-	11	Gas oils
3,610	2,204	1,406	-	21,610	Heavy Fuel oil total
252	166	86	-	5,793	Heavy Fuel oil A
3,358	2,038	1,320	-	15,817	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
283	96	187	-	85	Liquefied petroleum gas
-	-	-	-	94,727	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
6,048	4,654	1,394	-	75,323	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	111,174	Coal
78	78	-	-	244	Liquefied natural gas
5,163	3,966	1,197	...	...	Town gas(A)
5,591	4,278	1,313	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(June, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	24,435	950,340	280,387	145,476
石 油 系 燃 料 (原 油 換 算)	"	-	904,199	260,253	138,912
ガ ソ リ ン	"	...	15	...	...
ナ フ サ	"	...	7,025	46	18
灯 油	"	...	3,869	110	3,702
軽 油	"	...	1,503	-	-
重 油 計	"	...	93,802	73,629	2,705
A 重 油	"	...	8,444	3,321	1,202
B・C 重 油	"	...	85,358	70,308	1,503
炭 化 水 素 油	"	...	-	-	-
液 化 石 油 ガ ス	t	...	21,638	531	10,492
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	509,046	98,945	57,106
オ イ ル コ ー ク ス	t	...	53,502	53,502	-
ア ス フ ァ ル ト	"	...	45,907	3,594	42,313
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	24,435	46,141	20,134	6,564
石 炭	t	-	27,866	27,866	-
天 然 ガ ス	1000m ³	-	2,652	138	-
液 化 天 然 ガ ス	t	17,058	17,058	615	4,644
都 市 ガ ス (A)	1000m ³	280	280	275	-
都 市 ガ ス (B)	"	306	306	301	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	32,600	33,016	346	2,524
石 油 系 燃 料 (原 油 換 算)	"	4,313	4,735	2	-
ガ ソ リ ン	"	-	-	...	...
灯 油	"	3	3	2	-
軽 油	"	3	2	-	-
重 油 計	"	3,626	4,091	-	-
A 重 油	"	252	312	-	-
B・C 重 油	"	3,374	3,779	-	-
液 化 石 油 ガ ス	t	37	38	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	348	275	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	28,287	28,281	344	2,524
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,736	5,732	24	392
都 市 ガ ス (A)	1000m ³	17,509	17,509	268	1,694
都 市 ガ ス (B)	"	19,001	19,001	292	1,855
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年6月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
524,478	62,354	438,257	23,867	Total (Crude petroleum equivalent)
505,035	53,394	429,077	22,564	Oil based fuels (Crude petroleum equivalent)
15	...	...	15	Gasoline
6,961	5,003	1,958	-	Naphtha
57	-	41	16	Kerosene
1,503	-	1,450	53	Gas oils
17,468	-	15,027	2,441	Heavy Fuel oil total
3,921	-	2,769	1,152	Heavy Fuel oil A
13,547	-	12,258	1,289	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
10,615	7,899	2,715	1	Liquefied petroleum gas
352,995	29,490	308,380	15,125	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
19,443	8,960	9,180	1,304	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
2,514	604	1,751	159	Natural gas
11,799	5,870	5,134	795	Liquefied natural gas
5	-	-	5	Town gas(A)
5	-	-	5	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
30,146	29,546	601	20	3,762	Total (Crude petroleum equivalent)
4,733	4,711	22	20	3,732	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
1	1	-	-	63	Kerosene
2	1	1	1	-	Gas oils
4,091	4,071	20	19	3,280	Heavy Fuel oil total
312	292	20	19	847	Heavy Fuel oil A
3,779	3,779	-	-	2,433	Heavy Fuel oil B・C
38	37	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
275	275	-	-	169	Reproduction oil (Oil origin)
25,413	24,835	578	-	30	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,316	5,316	-	-	21	Liquefied natural gas
15,547	15,047	500	...	...	Town gas(A)
16,854	16,310	545	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(June, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	4,864,347	590,142	5,241,674 4,660,233	518,525	110,269
石油系燃料（原油換算）	"	3,705,988	-	4,087,715	190,485	51,064
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ ー リ ン	"	15	...	16	...	...
ナ フ サ	"	2,486,742	...	2,316,513	-	-
改 質 生 成 油	"	987,967	...	980,207	...	...
灯 油	"	76,298	...	76,065	25	80
軽 油	"	13,587	...	14,724	-	-
重 油	"	55,833	...	53,647	37,904	737
A 重 油	"	3,798	...	3,675	1,830	652
B・C 重 油	"	52,035	...	49,972	36,074	85
炭 化 水 素 油	"	6,637	...	71,258	50,333	-
液 化 石 油 ガ ス	t	386,466	...	355,854	1,685	6,154
石油系炭化水素ガス（注2）	1000m ³	15,986	...	351,336	29,525	32,079
オ イ ル コ ー ク ス	t	35,517	...	113,752	63,780	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,712	-	1,712	1,602	-
非石油系燃料（原油換算）	kl	1,158,359	590,142	1,153,959	328,040	59,205
石 炭	t	1,381,352	-	1,296,189	416,159	-
タ ー ク ス	"	18,301	597,490	12,922	...	-
コ ー ク ス	"	16,857	11,693	30,470	-	-
高 炉 ガ ス	1000m ³	5,170	233,420	101,816	3,214	-
高 炉 ガ ス	"	102,134	-	102,134	-	-
天 然 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	26,685	4,763	30,612	10,824	10,934
都 市 ガ ス （ A ）	1000m ³	67,129	...	57,348	8,297	19,079
都 市 ガ ス （ B ）	"	39,622	...	39,622	6,904	18,914
廃 タ イ ヤ	t	41,206	...	41,205	7,492	19,049
廃 プ ラ ス チ ック	t	16,301	-	15,485	15,485	-
R P	"	2,494	4,583	7,069	-	-
F	"	1,199	-	1,199	1,199	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	705,491	-	665,029 665,029	239,655	7,342
石油系燃料（原油換算）	"	170,841	-	129,478	10,990	975
ガ ソ ー リ ン	"	21	...	22	...	...
灯 油	"	1,224	...	1,122	95	-
軽 油	"	1,181	...	1,164	-	-
重 油	"	36,344	...	33,617	1,720	903
A 重 油	"	2,560	...	2,471	845	-
B・C 重 油	"	33,784	...	31,146	875	903
炭 化 水 素 油	"	19,396	...	19,391	-	-
液 化 石 油 ガ ス	t	1,649	...	1,686	-	-
オ イ ル コ ー ク ス	"	95,604	...	51,629	10,582	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	24,064	-	23,567	-	-
非石油系燃料（原油換算）	kl	534,650	-	535,551	228,666	6,366
石 炭	t	679,520	...	682,348	336,738	-
タ ー ク ス	"	19,448	-	19,806	-	-
コ ー ク ス	"	23,131	-	23,131	-	-
高 炉 ガ ス	1000m ³	1,549	-	1,549	-	-
高 炉 ガ ス	"	15,261	-	15,261	-	-
電 気 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	8,482	-	8,482	1,121	5,797
液 化 天 然 ガ ス	t	77	-	77	-	-
都 市 ガ ス （ A ）	1000m ³	7,888	...	7,888	316	-
都 市 ガ ス （ B ）	"	8,549	...	8,550	313	-
廃 タ イ ヤ	材	193	-	193	-	-
廃 プ ラ ス チ ック	絶乾(Dry)t	5,453	-	4,364	-	-
R P	"	28,010	-	27,554	-	-
F	"	2,534	-	2,540	-	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年6月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
4,612,880	4,027,390	542,302	43,188	638,583	2,505,308	Total (Crude petroleum equivalent) (Net)
3,846,166	3,398,206	408,867	39,093	74,600	977,340	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,295	138	NGL・condensate
16	...	...	16	-	3	Gasoline
2,316,513	2,314,141	-	2,372	15,774	615,189	Naphtha
980,207	980,207	...	...	5,727	13,169	Oil produced by conversion
75,960	73,326	1,658	976	-	7,398	Kerosene
14,724	14,410	-	314	-	9,501	Gas oils
15,006	4,486	8,392	2,128	87	60,684	Heavy Fuel oil total
1,193	-	509	684	87	6,526	Heavy Fuel oil A
13,813	4,486	7,883	1,444	-	54,158	Heavy Fuel oil B・C
20,925	12,464	8,386	75	...	...	Hydrocarbon oil
348,015	315,248	16,320	16,447	41,627	86,829	Liquefied petroleum gas
289,732	1,375	279,526	8,831	...	...	Hydrocarbon gas
49,972	49,327	-	645	-	281,732	Petroleum coke
-	-	-	-	-	-	Asphalt
110	-	110	-	-	-	Reproduction oil (Oil origin)
766,715	629,184	133,435	4,095	563,983	1,527,967	Non-oil based fuels (Crude petroleum equivalent)
880,030	837,778	42,252	-	14,633	1,872,217	Coal
12,922	9,757	3,165	-	620,114	324,433	Coal coke
30,470	30,470	-	-	3,116	19,873	Tar
98,602	167	97,957	478	136,770	...	Coke oven gas
102,134	-	102,134	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
8,854	1,762	6,282	810	882	...	Natural gas
29,972	14,784	15,166	22	9,703	203	Liquefied natural gas
13,804	...	11,263	2,541	...	...	Town gas(A)
14,664	...	11,910	2,753	...	...	Town gas(B)
-	-	-	-	-	2,728	Used tires
7,069	6,040	1,029	-	-	545	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
418,032	10,800	398,610	8,622	6,830	798,651	Total (Crude petroleum equivalent) (Net)
117,513	5,220	107,814	4,479	6,801	214,060	Oil based fuels (Crude petroleum equivalent)
22	...	...	22	-	-	Gasoline
1,027	-	929	98	-	545	Kerosene
1,164	-	247	917	7	125	Gas oils
30,994	-	29,288	1,706	-	45,890	Heavy Fuel oil total
1,626	-	1,234	392	-	5,116	Heavy Fuel oil A
29,368	-	28,054	1,314	-	40,774	Heavy Fuel oil B・C
19,391	-	19,391	-	345	2,917	Hydrocarbon oil
1,686	-	1,569	117	-	144	Liquefied petroleum gas
41,047	6,066	34,980	1	7,481	179,661	Petroleum coke
-	-	-	-	-	-	Asphalt
23,567	-	22,124	1,443	-	6,206	Reproduction oil (Oil origin)
300,519	5,581	290,796	4,143	29	584,591	Non-oil based fuels (Crude petroleum equivalent)
345,610	949	344,013	648	31	831,965	Coal
19,806	6,593	13,213	-	11	14,643	Coal coke
23,131	-	23,131	-	-	...	Coke oven gas
1,549	-	1,549	-	-	...	Blast furnace gas
15,261	-	15,261	-	-	...	Converter furnace gas
-	-	-	-	-	...	Electric furnaces gas
1,564	-	1,564	-	-	...	Natural gas
77	-	45	32	-	-	Liquefied natural gas
7,572	...	4,329	3,243	...	...	Town gas(A)
8,237	...	4,790	3,447	...	...	Town gas(B)
193	-	193	-	-	-	Waste material
4,364	-	4,364	-	-	6,640	Used tires
27,554	-	27,554	-	-	8,880	Waste plastic
2,540	-	2,540	-	-	152	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(June, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計(原油換算)(注)	kl	4,631,846	2,988,256	6,505,685	541,995	10,984
(ネット)	"	-	-	3,519,048	-	-
石油系燃料(原油換算)	"	67,455	-	85,630	11,659	4,111
ガソリン	"	109	...	105	...	...
灯油	"	7,595	...	7,606	188	-
軽油	"	1,994	...	1,977	-	-
重油計	"	26,052	...	25,095	6,981	3,818
A重油	"	12,478	...	12,879	2,461	170
B・C重油	"	13,574	...	12,216	4,520	3,648
炭化水素油	"	3,764	...	6,393	-	-
液化石油ガス	t	18,679	...	19,094	3,187	-
石油系炭化水素ガス	1000m ³	3	...	3	-	-
オイルコークス	t	3,314	...	21,901	...	-
アスファルト	"	-	...	-	-	-
再生油(石油由来)	kl	99	-	99	-	-
非石油系燃料(原油換算)	kl	4,564,391	2,988,256	6,420,055	530,336	6,873
コークス製造用炭(原料炭)	t	3,442,624	...	3,135,633	-	-
石炭	"	1,580,248	...	1,269,636	287,725	-
石炭コークス	"	627,137	1,940,758	2,309,968	...	-
ターナル	"	5,866	61,255	9,743	-	-
コークス炉ガス	1000m ³	133,594	856,596	776,127	119,990	-
高炉ガス	"	129,283	9,364,651	6,401,474	2,273,626	-
転炉ガス	"	4,354	566,157	378,788	137,833	-
電気炉ガス	"	-	7,853	6,260	5,407	-
天然ガス	"	2,179	-	2,172	231	-
液化天然ガス	t	23,388	...	28,800	1,869	1,536
都市ガス(A)	1000m ³	160,601	...	160,601	24,492	4,072
都市ガス(B)	"	175,329	...	175,325	26,735	4,427
酸素	1000Nm ³	697,217	198,573	847,304	...	-
廃材	絶乾(Dry)t	3,374	-	3,374	3,374	-
廃タイヤ	t	35	-	857	-	-
廃プラスチック	"	23,518	2,139	18,354	-	-
RPF	"	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年6月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,952,706	2,191,324	3,656,731	104,651	1,034,363	5,584,126	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
69,860	14,020	42,922	12,918	10,282	241,439	Oil based fuels (Crude petroleum equivalent)
105	...	5	100	4	17	Gasoline
7,418	...	5,904	1,514	86	3,435	Kerosene
1,977	...	19	1,958	11	119	Gas oils
14,296	-	13,832	464	1,023	49,668	Heavy Fuel oil total
10,248	...	9,899	349	603	21,488	Heavy Fuel oil A
4,048	-	3,933	115	420	28,180	Heavy Fuel oil B・C
6,393	6,393	-	-	-	7,289	Hydrocarbon oil
15,907	-	8,952	6,955	85	22,690	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
21,901	8,614	13,287	-	10,479	172,491	Petroleum coke
-	-	-	-	-	-	Asphalt
99	-	99	-	-	674	Reproduction oil (Oil origin)
5,882,846	2,177,304	3,613,809	91,733	1,024,081	5,342,687	Non-oil based fuels (Crude petroleum equivalent)
3,135,633	2,811,650	323,946	37	303,780	3,736,920	Coal for making coke (material coal)
981,911	50,628	931,262	21	212,812	1,728,996	Coal
2,309,968	31,325	2,273,837	4,806	233,578	1,724,023	Coal coke
9,743	9,743	-	-	57,877	17,729	Tar
656,137	450	618,775	36,912	200,760	...	Coke oven gas
4,127,848	-	3,716,731	411,117	2,940,731	...	Blast furnace gas
240,955	-	222,139	18,816	164,226	...	Converter furnace gas
853	-	853	-	1,593	...	Electric furnaces gas
1,941	-	1,877	64	-	14	Natural gas
25,395	-	23,038	2,357	1,295	41,154	Liquefied natural gas
132,037	...	125,217	6,820	...	...	Town gas(A)
144,163	...	136,700	7,463	...	...	Town gas(B)
847,304	-	771,934	75,370	30,624	1,331	Oxygen
-	-	-	-	-	-	Waste material
857	857	-	-	-	851	Used tires
18,354	12,770	3,525	2,059	4,155	23,576	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(June, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	54,140	47,087	2,236	6
石 油 系 燃 料 (原 油 換 算)	"	22,158	21,019	748	6
ガ ソ リ ン	"	5	5	...	...
灯 油	"	1,414	1,457	-	-
軽 油	"	294	282	-	-
重 油 計	"	11,195	10,268	733	6
A 重 油	"	4,737	4,434	581	6
B・C 重 油	"	6,458	5,834	152	-
炭 化 水 素 油	"	3,691	3,584	-	-
液 化 石 油 ガ ス	t	556	555	-	-
オ イ ル コ ー ク ス	"	994	1,012	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	3,277	3,188	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	31,982	26,067	1,488	-
石 炭	t	15,645	4,022	-	-
石 炭	"	16,981	15,258	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	34,804	12,750	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,194	2,197	141	-
都 市 ガ ス (A)	1000m³	5,031	5,031	96	-
都 市 ガ ス (B)	"	5,278	5,278	106	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	152,278	152,227	17,936	66,503
石 油 系 燃 料 (原 油 換 算)	"	19,670	19,635	3,224	244
ガ ソ リ ン	"	4,292	4,318	...	...
灯 油	"	2,510	2,550	617	-
軽 油	"	2,693	2,575	-	35
重 油 計	"	3,099	3,103	925	209
A 重 油	"	3,097	3,096	925	209
B・C 重 油	"	2	7	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	6,053	6,065	1,322	-
石 油 系 炭 化 水 素 ガ ス	1000m³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	132,608	132,592	14,712	66,258
石 炭	t	-	-	-	-
石 炭	"	792	798	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	2,433	2,433	284	1,796
液 化 天 然 ガ ス	t	8,472	8,458	667	4,467
都 市 ガ ス (A)	1000m³	101,061	101,061	11,606	49,893
都 市 ガ ス (B)	"	110,514	110,514	12,671	54,587
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年6月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
44,845	42,163	2,682	32,063	Total
20,265	18,735	1,530	9,694	(Crude petroleum equivalent)
5	...	5	2	Oil based fuels
1,457	1,207	250	510	(Crude petroleum equivalent)
282	3	279	29	Gasoline
9,529	9,337	192	6,703	Kerosene
3,847	3,655	192	2,506	Gas oils
5,682	5,682	-	4,197	Heavy Fuel oil total
3,584	3,076	508	969	Heavy Fuel oil A
555	438	117	66	Heavy Fuel oil B・C
1,012	1,012	-	45	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
3,188	3,047	141	967	Petroleum coke
24,579	23,428	1,152	22,370	Asphalt
4,022	4,022	-	20,946	Reproduction oil (Oil origin)
15,258	14,134	1,124	10,795	Non-oil based fuels
-	-	-	...	(Crude petroleum equivalent)
22,054	22,054	-	...	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
2,056	1,837	219	109	Blast furnace gas
4,935	4,935	-	...	Electric furnaces gas
5,172	5,172	-	...	Natural gas
-	-	-	-	Liquefied natural gas
-	-	-	-	Town gas(A)
-	-	-	-	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
67,788	39,397	28,391	19,669	Total
16,167	5,222	10,944	18,959	(Crude petroleum equivalent)
4,318	...	4,318	1,698	Oil based fuels
1,933	1,242	691	5,018	(Crude petroleum equivalent)
2,540	6	2,534	1,451	Gasoline
1,969	568	1,401	9,470	Kerosene
1,962	561	1,401	9,333	Gas oils
7	7	-	137	Heavy Fuel oil total
1	-	1	-	Heavy Fuel oil A
4,743	2,683	2,060	1,395	Heavy Fuel oil B・C
-	-	-	...	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
51,622	34,175	17,447	710	Reproduction oil (Oil origin)
-	-	-	-	Non-oil based fuels
798	798	-	32	(Crude petroleum equivalent)
-	-	-	...	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
353	333	20	...	Blast furnace gas
3,324	2,733	591	485	Converter furnace gas
39,562	25,307	14,255	...	Natural gas
43,255	27,635	15,621	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(June, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	16,450,727	8,801,768	7,648,959	5,459,569	1,339,803
事業所重複分補正量	909,207	242,200	667,007	586,516	35,728
パルプ・紙・板紙工業	2,186,398	379,456	1,806,942	1,637,235	138,379
化学工業	3,065,457	1,395,941	1,669,516	1,203,667	312,963
化学繊維工業	504,496	208,617	295,879	193,000	102,492
石油製品工業	1,228,209	209,158	1,019,051	521,395	487,637
窯業・土石製品工業	1,272,054	354,086	917,968	791,050	23,038
ガラス製品工業	105,462	92,698	12,764	-	8,211
鉄鋼業(注2)	6,083,800	3,889,456	2,194,344	1,696,851	45,769
非鉄金属地金工業	499,013	358,908	140,105	2,875	20
機械工業	2,415,045	2,155,648	259,397	12	257,022

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	37,395,429	2,779,109	34,616,320	27,514,272	2,109,058
事業所重複分補正量	2,438,503	37,407	2,401,096	2,309,936	72,106
パルプ・紙・板紙工業	11,385,073	57,496	11,327,577	10,974,851	298,878
化学工業	11,347,060	1,917,994	9,429,066	7,018,713	694,657
化学繊維工業	1,517,279	102,243	1,415,036	1,221,354	185,582
石油製品工業	5,661,048	364,575	5,296,473	3,712,325	914,771
窯業・土石製品工業	3,208,464	6,475	3,201,989	2,900,005	58,580
ガラス製品工業	10,618	-	10,618	4,263	6,355
鉄鋼業	6,397,003	332,431	6,064,572	3,964,089	22,326
非鉄金属地金工業	307,387	35,302	272,085	28,608	15

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年6月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
214,700	634,887	14,403,533	2,047,194	Total
42,324	2,439	824,487	84,720	Duplication adjustment
25,424	5,904	1,926,815	259,583	Pulp,Paper,Paperboard industry
78,305	74,581	2,702,222	363,235	Chemical products industry
-	387	442,835	61,661	Chemical fibers products industry
...	10,019	778,117	450,092	Petroleum products industry
42,324	61,556	1,121,863	150,191	Ceramics,clay and stone products industry
4,545	8	105,425	37	Glass products industry
87	451,637	5,264,785	819,015	Iron and steel products industry
	(炉頂圧) 227,105			
106,339	30,871	474,163	24,850	Non-ferrous metals products industry
...	2,363	2,411,795	3,250	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工費用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
4,992,990	35,726,351	16,901,175	16,149,432	2,675,744	1,669,078	Total
19,054	2,381,965	736,752	1,644,684	529	56,538	Duplication adjustment
53,848	11,338,607	4,853,388	6,217,856	267,363	46,466	Pulp,Paper,Paperboard industry
1,715,696	10,278,909	6,445,795	3,279,190	553,924	1,068,151	Chemical products industry
8,100	1,493,559	762,748	697,889	32,922	23,720	Chemical fibers products industry
669,377	5,379,002	3,108,237	1,864,882	405,883	282,046	Petroleum products industry
243,404	3,146,028	571,842	2,530,217	43,969	62,436	Ceramics,clay and stone products industry
-	10,618	9,352	-	1,266	-	Glass products industry
2,078,157	6,154,567	1,770,387	3,175,138	1,209,042	242,436	Iron and steel products industry
243,462	307,026	116,178	28,944	161,904	361	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(June, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	546,539	535,449	178,399	224,546	132,504	2,494	8,595	104,344
石 油 系 燃 料 (原 油 換 算)	〃	24,891	24,004	21,264	2,565	175	454	433	4,380
ガソリン	〃	6	5	2	3	-	-	1	5
ナフサ	〃	-	-	-	-	-	-	-	-
灯油	〃	337	302	14	283	5	22	13	130
軽油	〃	282	257	141	68	48	6	19	7
重油計	〃	17,327	16,544	15,928	538	78	392	391	3,610
A重油	〃	653	259	-	182	77	3	391	252
B・C重油	〃	16,674	16,285	15,928	356	1	389	-	3,358
炭化水素油	〃	890	890	890	-	-	-	-	-
液化石油ガス	t	1,048	1,039	8	1,011	20	3	6	283
石油系炭化水素ガス	1000m ³	-	-	-	-	-	-	-	-
オイルコークス	t	1,817	1,817	1,598	219	-	-	-	-
アスファルト	〃	-	-	-	-	-	-	-	-
再生油(石油由来)	kl	1,718	1,718	1,542	158	18	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,936	6,761	1,220	4,739	802	58	117	6,047
石炭	t	-	-	-	-	-	-	-	-
石炭コークス	〃	486	486	486	-	-	-	-	-
天然ガス	1000m ³	165	165	-	165	-	-	-	-
液化天然ガス	t	913	913	492	240	181	-	-	78
都市ガス(A)	1000m ³	4,264	4,105	-	3,642	463	51	108	5,163
都市ガス(B)(注2)	〃	4,651	4,486	-	3,972	514	55	110	5,590
回収黒液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃材	〃	364	364	364	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-	-	-	-
RPF	〃	-	-	-	-	-	-	-	-
電 蒸	力 気 1000kWh t	1,926,815 4,853,388	1,848,408 4,813,834	518,312 1,558,121	859,688 1,985,935	470,408 1,269,778	12,066 12,430	66,341 27,124	442,835 762,748

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	890,166	870,683	266,502	420,987	183,194	3,095	16,388	152,119
石 油 系 燃 料 (原 油 換 算)	〃	165,890	162,788	38,484	113,386	10,918	574	2,527	31,400
ガソリン	〃	6	5	2	3	-	-	1	5
ナフサ	〃	-	-	-	-	-	-	-	-
灯油	〃	494	456	62	338	56	24	14	169
軽油	〃	292	260	141	68	51	6	25	9
重油計	〃	63,381	60,689	28,319	22,191	10,179	453	2,239	14,414
A重油	〃	9,164	7,922	700	3,668	3,554	45	1,197	2,581
B・C重油	〃	54,218	52,768	27,620	18,523	6,625	407	1,042	11,833
炭化水素油	〃	3,020	2,874	1,704	1,170	-	-	146	23
液化石油ガス	t	65,998	65,946	8	65,918	20	46	6	390
石油系炭化水素ガス	1000m ³	-	-	-	-	-	-	-	-
オイルコークス	t	7,382	7,381	4,460	2,921	-	-	-	17,809
アスファルト	〃	-	-	-	-	-	-	-	-
再生油(石油由来)	kl	2,356	2,354	2,060	236	58	-	1	-
非 石 油 系 燃 料 (原 油 換 算)	kl	682,922	668,467	223,327	285,320	159,820	1,639	12,816	94,246
石炭	t	324,672	323,904	111,143	136,023	76,738	489	279	77,594
石炭コークス	〃	486	486	486	-	-	-	-	-
天然ガス	1000m ³	4,531	4,531	1,153	3,057	321	-	-	-
液化天然ガス	t	7,306	7,070	492	900	5,678	235	-	761
都市ガス(A)	1000m ³	58,854	54,054	303	17,787	35,964	760	4,040	35,350
都市ガス(B)(注2)	〃	63,528	58,343	332	18,825	39,186	779	4,406	38,454
回収黒液	絶乾(Dry)t	771,391	753,558	336,136	373,994	43,428	269	17,564	-
廃材	〃	141,912	140,853	31,454	44,829	64,570	118	941	-
廃タイヤ	t	15,939	15,499	6,300	6,042	3,157	-	440	-
廃プラスチック	〃	4,904	4,898	1,510	2,673	715	-	5	-
RPF	〃	42,653	41,241	10,244	15,128	15,869	3	1,410	-
電 蒸	力 気 1000kWh t	401,838 57,496	383,182 54,728	50,427 -	205,728 45,469	127,027 9,259	7,422 2,768	11,234 -	208,617 102,243

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年6月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
36,068	693	67,582	811,707	803,969	7,738	40,600	39,525	1,075	Total (Crude petroleum equivalent)
1,493	13	2,874	505,035	504,969	66	4,733	4,663	70	Oil based fuels (Crude petroleum equivalent)
1	-	4	15	11	4	-	-	-	Gasoline
-	-	-	6,961	6,961	-	-	-	-	Naphtha
62	-	68	57	55	2	1	-	1	Kerosene
2	-	5	1,503	1,471	32	2	2	-	Gas oils
1,321	-	2,289	17,468	17,468	-	4,091	4,022	69	Heavy Fuel oil total
103	-	149	3,921	3,921	-	312	243	69	Heavy Fuel oil A
1,218	-	2,140	13,547	13,547	-	3,779	3,779	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
10	10	263	10,615	10,615	-	38	38	-	Liquefied petroleum gas
-	-	-	352,995	352,973	22	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	275	275	-	Reproduction oil (Oil origin)
466	11	5,570	19,443	19,443	-	25,413	25,254	159	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	2,514	2,514	-	-	-	-	Natural gas
78	-	-	11,799	11,799	-	5,316	5,316	-	Liquefied natural gas
307	9	4,847	5	5	-	15,547	15,410	137	Town gas(A)
335	10	5,245	5	5	-	16,854	16,704	150	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
123,320	4,224	315,291	778,117	703,863	74,254	105,425	96,340	9,085	Electricity
327,503	3,997	431,248	3,108,237	3,097,169	11,068	9,352	9,352	-	Steam
45,344	796	105,979	880,985	864,898	16,087	41,826	40,751	1,075	Total (Crude petroleum equivalent)
10,390	187	20,823	792,864	778,240	14,624	4,735	4,665	70	Oil based fuels (Crude petroleum equivalent)
1	-	4	15	11	4	-	-	-	Gasoline
-	-	-	7,014	7,012	2	-	-	-	Naphtha
62	-	107	3,375	3,228	146	3	2	1	Kerosene
2	-	7	1,503	1,471	32	2	2	-	Gas oils
5,779	92	8,543	75,524	73,695	1,828	4,091	4,022	69	Heavy Fuel oil total
1,008	70	1,503	8,062	7,961	101	312	243	69	Heavy Fuel oil A
4,771	22	7,040	67,462	65,734	1,728	3,779	3,779	-	Heavy Fuel oil B・C
19	-	4	-	-	-	-	-	-	Hydrocarbon oil
25	10	355	18,457	17,673	785	38	38	-	Liquefied petroleum gas
-	-	-	469,349	464,344	5,005	-	-	-	Hydrocarbon gas
4,777	93	12,939	32,047	31,243	804	-	-	-	Petroleum coke
-	-	-	30,183	26,140	4,043	-	-	-	Asphalt
-	-	-	-	-	-	275	275	-	Reproduction oil (Oil origin)
20,684	91	73,471	43,464	43,283	181	28,048	27,889	159	Non-oil based fuels (Crude petroleum equivalent)
19,187	-	58,407	25,931	25,809	122	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	2,636	2,636	-	-	-	-	Natural gas
668	-	93	16,100	16,100	-	5,602	5,602	-	Liquefied natural gas
5,863	79	29,408	280	195	85	17,468	17,331	137	Town gas(A)
6,403	86	31,966	307	213	93	18,955	18,805	150	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
86,170	3,720	118,727	209,158	201,787	7,371	97,206	88,121	9,085	Electricity
90,485	2,487	9,271	364,575	355,947	8,628	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(June, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合計（原油換算）	kl	5,309,793	4,364,033	4,191,603	3,354,040	837,563
石油系燃料（原油換算）	"	3,846,166	3,794,722	3,754,760	3,351,278	403,482
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	16	2	2	...	2
ナフサ	"	2,316,513	2,309,106	2,309,106	2,309,106	-
改質生成油	"	980,207	980,207	980,207	980,207	...
灯油	"	75,960	73,088	73,088	72,881	207
軽油	"	14,724	14,385	14,385	14,384	1
重油	"	15,006	6,301	6,301	4,486	1,815
A 重油	"	1,193	348	348	-	348
B・C 重油	"	13,813	5,953	5,953	4,486	1,467
炭化水素油	"	20,925	17,639	17,639	12,430	5,209
液化石油ガス	t	348,015	333,474	333,431	315,946	17,485
石油系炭化水素ガス	1000m ³	289,732	289,005	284,231	939	283,292
オイルコークス	t	49,972	39,066	-	-	-
アスファルト	"	-	-	-	-	-
再生油（石油由来）	kl	110	-	-	-	-
非石油系燃料（原油換算）	kl	766,715	54,952	24,444	2,762	21,682
石炭	t	880,030	31	-	-	-
石炭コークス	"	12,922	2,643	-	...	-
タール	"	30,470	-	-	-	-
コークス炉ガス	1000m ³	98,602	1,197	193	-	193
高炉ガス	"	102,134	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	8,854	4,906	4,743	-	4,743
液化天然ガス	t	29,972	24,841	9,518	1,954	7,564
都市ガス（A）	1000m ³	13,804	7,350	4,940	...	4,940
都市ガス（B）	"	14,664	7,866	5,349	...	5,349
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	7,069	4,583	-	-	-
R P F	"	-	-	-	-	-
電 力	1000kWh	2,702,222	1,767,367	974,355	...	974,355
蒸 気	t	6,445,795	5,062,865	4,655,014	...	4,655,014

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	5,365,320	4,352,850	4,141,982	3,354,040	787,942
石油系燃料（原油換算）	"	3,992,542	3,924,440	3,876,316	3,351,278	525,039
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	16	2	2	-	2
ナフサ	"	2,316,513	2,309,106	2,309,106	2,309,106	-
改質生成油	"	980,207	980,207	980,207	980,207	-
灯油	"	76,059	73,182	73,180	72,881	299
軽油	"	14,724	14,385	14,385	14,384	1
重油	"	40,592	26,250	23,619	4,486	19,133
A 重油	"	2,973	1,660	1,205	-	1,205
B・C 重油	"	37,619	24,590	22,413	4,486	17,927
炭化水素油	"	52,402	47,647	47,526	12,430	35,096
液化石油ガス	t	351,835	337,262	337,183	315,946	21,237
石油系炭化水素ガス	1000m ³	331,993	330,608	325,545	939	324,606
オイルコークス	t	77,798	57,395	12,751	-	12,751
アスファルト	"	-	-	-	-	-
再生油（石油由来）	kl	1,712	1,602	1,602	-	1,602
非石油系燃料（原油換算）	kl	1,103,879	235,834	119,338	2,762	116,576
石炭	t	1,236,494	166,215	56,138	-	56,138
石炭コークス	"	12,922	2,643	-	-	-
タール	"	30,470	-	-	-	-
コークス炉ガス	1000m ³	101,803	1,944	336	-	336
高炉ガス	"	102,134	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	29,897	13,984	8,215	-	8,215
液化天然ガス	t	52,602	44,566	26,840	1,954	24,886
都市ガス（A）	1000m ³	38,436	23,852	19,765	-	19,765
都市ガス（B）	"	39,919	24,250	19,943	-	19,943
廃プラスチック	t	14,372	14,372	14,372	-	14,372
廃プラスチック	"	7,069	4,583	-	-	-
R P F	"	1,199	1,199	1,199	-	1,199
電 力	1000kWh	1,465,491	967,190	520,001	-	520,001
蒸 気	t	1,917,994	1,484,422	1,417,147	-	1,417,147

(令和3年6月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
89,803	54,718	35,085	82,627	945,760	Total	(Crude petroleum equivalent)
39,962	33,615	6,347	-	51,443	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	14	Gasoline
-	-	-	-	-	7,407	Naphtha
-	...	...	...	...	-	Oil produced by conversion
-	-	-	-	-	2,872	Kerosene
-	-	-	-	-	339	Gas oils
-	-	-	-	-	8,705	Heavy Fuel oil total
-	-	-	-	-	845	Heavy Fuel oil A
-	-	-	-	-	7,860	Heavy Fuel oil B・C
-	-	-	-	-	3,286	Hydrocarbon oil
43	-	43	-	-	14,541	Liquefied petroleum gas
4,774	-	4,774	-	-	727	Hydrocarbon gas
39,066	39,066	-	-	-	10,906	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	110	Reproduction oil (Oil origin)
28,136	21,104	7,032	2,373	711,763	Non-oil based fuels	(Crude petroleum equivalent)
31	31	-	-	-	879,999	Coal
-	...	-	-	2,643	10,279	Coal coke
-	-	-	-	-	30,470	Tar
1,004	-	1,004	-	-	97,405	Coke oven gas
-	-	-	-	-	102,134	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
63	63	-	100	-	3,948	Natural gas
15,321	12,412	2,909	2	-	5,131	Liquefied natural gas
2,151	...	2,151	259	-	6,454	Town gas(A)
2,254	...	2,254	263	-	6,798	Town gas(B)
-	-	-	-	-	-	Used tires
4,583	4,583	-	-	-	2,486	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
78,945	...	78,945	714,067	934,855	Electricity	
207,780	...	207,780	200,071	1,382,930	Steam	

89,724	54,718	35,006	121,144	1,012,470	Total	(Crude petroleum equivalent)
43,094	33,615	9,479	5,030	68,102	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	-	-	-	-	14	Gasoline
-	-	-	-	-	7,407	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	1	-	2,877	Kerosene
-	-	-	-	-	339	Gas oils
1,438	-	1,438	1,193	-	14,342	Heavy Fuel oil total
20	-	20	435	-	1,313	Heavy Fuel oil A
1,418	-	1,418	758	-	13,029	Heavy Fuel oil B・C
60	-	60	60	-	4,755	Hydrocarbon oil
43	-	43	36	-	14,573	Liquefied petroleum gas
5,060	-	5,060	3	-	1,386	Hydrocarbon gas
40,392	39,066	1,326	4,252	-	20,403	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	110	Reproduction oil (Oil origin)
39,845	21,104	18,741	76,651	868,045	Non-oil based fuels	(Crude petroleum equivalent)
10,603	31	10,572	99,475	-	1,070,278	Coal
-	-	-	2,643	-	10,279	Coal coke
-	-	-	-	-	30,470	Tar
1,608	-	1,608	-	-	99,858	Coke oven gas
-	-	-	-	-	102,134	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
2,781	63	2,718	2,988	-	15,913	Natural gas
16,185	12,412	3,773	1,541	-	8,037	Liquefied natural gas
2,202	-	2,202	1,886	-	14,583	Town gas(A)
2,308	-	2,308	1,999	-	15,669	Town gas(B)
-	-	-	-	-	-	Used tires
4,583	4,583	-	-	-	2,486	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
46,499	-	46,499	400,690	498,301	Electricity	
35,594	-	35,594	31,680	433,572	Steam	

(June, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	561,918	451,937	362,353	311,285	51,068
石油系燃料（原油換算）	〃	117,513	105,143	64,435	62,616	1,819
ガソリン	〃	22	16	10	...	10
灯油	〃	1,027	632	162	136	26
軽油	〃	1,164	649	540	195	345
重油計	〃	30,994	29,035	2,402	1,276	1,126
A重油	〃	1,626	1,396	615	402	213
B・C重油	〃	29,368	27,639	1,787	874	913
炭化水素油	〃	19,391	19,391	18,609	18,426	183
液化石油ガス	t	1,686	306	1	-	1
オイルコークス	〃	41,047	34,761	28,526	28,526	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	23,567	21,456	16,764	16,710	54
非石油系燃料（原油換算）	kl	300,519	292,048	251,388	248,669	2,719
石炭	t	345,610	343,734	333,597	332,950	647
石炭コークス	〃	19,806	12,691	250	250	-
コークス炉ガス	1000m ³	23,131	23,131	137	-	137
高炉ガス	〃	1,549	1,549	88	-	88
転炉ガス	〃	15,261	15,261	1,605	-	1,605
電気炉ガス	〃	-	-	-	-	-
天然ガス	〃	1,564	1,564	-	-	-
液化天然ガス	t	77	77	-	-	-
都市ガス（A）	1000m ³	7,572	6,760	2,344	675	1,669
都市ガス（B）	〃	8,237	7,362	2,488	739	1,749
廃材	絶乾(Dry)t	193	193	193	193	-
廃タイヤ	t	4,364	4,364	4,364	4,364	-
廃プラスチック	〃	27,554	26,307	25,401	25,401	-
R P F	〃	2,540	2,540	128	128	-
電	力 1000kWh	1,121,863	544,097	472,870	...	472,870
蒸	気 t	571,842	59,782	36,778	...	36,778

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	669,091	497,045	408,038	311,285	96,753
石油系燃料（原油換算）	〃	128,734	115,306	73,885	62,616	11,269
ガソリン	〃	22	16	10	-	10
灯油	〃	1,122	727	162	136	26
軽油	〃	1,164	649	540	195	345
重油計	〃	32,944	30,062	2,829	1,276	1,553
A重油	〃	2,413	1,970	756	402	354
B・C重油	〃	30,532	28,092	2,073	874	1,199
炭化水素油	〃	19,391	19,391	18,609	18,426	183
液化石油ガス	t	1,686	306	1	-	1
オイルコークス	〃	51,604	45,229	38,985	28,526	10,459
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	23,567	21,456	16,764	16,710	54
非石油系燃料（原油換算）	kl	503,035	357,743	316,769	248,669	68,100
石炭	t	635,015	433,116	422,724	332,950	89,774
石炭コークス	〃	19,806	12,691	250	250	-
コークス炉ガス	1000m ³	23,131	23,131	137	-	137
高炉ガス	〃	1,549	1,549	88	-	88
転炉ガス	〃	15,261	15,261	1,605	-	1,605
電気炉ガス	〃	-	-	-	-	-
天然ガス	〃	7,999	6,407	4,801	-	4,801
液化天然ガス	t	77	77	-	-	-
都市ガス（A）	1000m ³	7,830	6,850	2,344	675	1,669
都市ガス（B）	〃	8,490	7,452	2,488	739	1,749
廃材	絶乾(Dry)t	193	193	193	193	-
廃タイヤ	t	4,364	4,364	4,364	4,364	-
廃プラスチック	〃	27,554	26,307	25,401	25,401	-
R P F	〃	2,540	2,540	128	128	-
電	力 1000kWh	396,410	256,200	186,471	-	186,471
蒸	気 t	6,475	2,336	537	-	537

(令和3年6月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
27,857	23,728	4,129	61,727	109,981	Total (Crude petroleum equivalent)	
18,981	18,709	272	21,727	12,370	Oil based fuels (Crude petroleum equivalent)	
2	...	2	4	6	Gasoline	
44	-	44	426	395	Kerosene	
3	-	3	106	515	Gas oils	
17,171	17,096	75	9,462	1,959	Heavy Fuel oil total	
75	-	75	706	230	Heavy Fuel oil A	
17,096	17,096	-	8,756	1,729	Heavy Fuel oil B・C	
-	-	-	782	-	Hydrocarbon oil	
304	188	116	1	1,380	Liquefied petroleum gas	
-	-	-	6,235	6,286	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,692	2,111	Reproduction oil (Oil origin)	
5,402	5,019	383	35,258	8,470	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	10,137	1,876	Coal	
-	-	-	12,441	7,115	Coal coke	
-	-	-	22,994	-	Coke oven gas	
-	-	-	1,461	-	Blast furnace gas	
-	-	-	13,656	-	Converter furnace gas	
-	-	-	-	-	Electric furnace gas	
770	770	-	794	-	Natural gas	
32	-	32	45	-	Liquefied natural gas	
3,814	3,513	301	602	812	Town gas(A)	
4,248	3,930	318	626	875	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	906	1,247	Waste plastic	
-	-	-	2,412	-	Refuse Paper & Plastic Fuel	
30,339	...	30,339	40,888	577,766	Electricity	
9,433	...	9,433	13,571	512,060	Steam	
27,315	23,728	3,586	61,692	172,047	Total (Crude petroleum equivalent)	
19,081	18,709	372	22,340	13,428	Oil based fuels (Crude petroleum equivalent)	
2	-	2	4	6	Gasoline	
44	-	44	521	395	Kerosene	
3	-	3	106	515	Gas oils	
17,264	17,096	168	9,969	2,882	Heavy Fuel oil total	
76	-	76	1,138	442	Heavy Fuel oil A	
17,188	17,096	92	8,831	2,439	Heavy Fuel oil B・C	
-	-	-	782	-	Hydrocarbon oil	
304	188	116	1	1,380	Liquefied petroleum gas	
-	-	-	6,244	6,375	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,692	2,111	Reproduction oil (Oil origin)	
5,429	5,020	410	35,545	145,291	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	10,392	201,900	Coal	
-	-	-	12,441	7,115	Coal coke	
-	-	-	22,994	-	Coke oven gas	
-	-	-	1,461	-	Blast furnace gas	
-	-	-	13,656	-	Converter furnace gas	
-	-	-	-	-	Electric furnace gas	
770	770	-	836	1,592	Natural gas	
32	-	32	45	-	Liquefied natural gas	
3,837	3,513	324	669	980	Town gas(A)	
4,273	3,930	343	691	1,038	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	906	1,247	Waste plastic	
-	-	-	2,412	-	Refuse Paper & Plastic Fuel	
29,811	-	29,811	39,918	140,210	Electricity	
451	-	451	1,348	4,140	Steam	

(June, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	鉄鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,420,848	5,003,092	351,728	17,864	2,647,588	62,574	303,634	170,187	
石 油 系 燃 料 (原 油 換 算)	"	85,630	68,792	71	72	13,698	2,724	8,700	6,710	
ガ ソ リ ン	"	105	43	-	-	-	-	-	-	
灯 油	"	7,606	7,454	-	-	-	48	831	42	
軽 油	"	1,977	1,752	-	-	3	54	143	142	
重 油 計	"	25,095	24,995	-	67	1,194	2,229	1,461	323	
A 重 油	"	12,879	12,786	-	-	51	434	1,317	323	
B・C 重 油	"	12,216	12,209	-	67	1,143	1,795	144	-	
炭 化 水 素 油	"	6,393	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	19,094	17,318	-	-	809	141	4,837	4,794	
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	21,901	13,287	83	-	13,204	-	-	-	
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	99	99	-	-	-	66	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,420,058	4,073,915	317,908	15,667	2,571,504	41,659	143,487	111,090	
コークス製造用炭(原料炭)	t	3,135,633	323,983	-	-	323,946	-	-	-	
石 炭	"	1,269,636	1,269,636	109,905	10,910	795,568	30,134	35,373	31,334	
石 炭 コ ー ク ス	"	2,309,968	2,296,404	307,983	10,088	1,931,886	26,558	15,193	3,222	
タ ー ク ル	"	9,743	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	776,127	632,660	22,349	1,430	82,737	235	28,998	27,759	
高 炉 ガ ス	"	6,401,474	5,064,174	7,767	-	2,250,663	93	357	311	
転 炉 ガ ス	"	378,788	330,082	1,546	-	90,060	202	1,373	1,279	
電 気 炉 ガ ス	"	6,260	6,260	-	-	-	853	-	-	
天 然 ガ ス	"	2,172	2,170	-	-	-	-	246	-	
液 化 天 然 ガ ス	t	28,800	28,787	-	-	5	137	350	1	
都 市 ガ ス (A)	1000m ³	160,601	155,143	194	-	4,210	123	8,565	2,746	
都 市 ガ ス (B)	"	175,328	169,358	212	-	4,610	134	9,351	3,013	
酸 素	1000Nm ³	847,304	847,128	...	...	369,372	3,981	439,931	371,810
廃 材	絶乾(Dry)t	3,374	3,374	-	-	-	-	-	-	
廃 タ イ ヤ	t	857	857	-	-	-	-	857	857	
廃 プ ラ ス チ ッ ク	"	18,354	3,248	-	-	2,793	10	445	445	
R P F	"	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,264,785	4,921,509	352,136	22,060	414,055	193,546	1,422,042	382,684	
蒸 気	気 t	6,154,567	5,824,097	14,355	1,035	345,335	2,690	277,260	242,884	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,719,018	4,295,442	362,629	19,833	2,679,049	66,804	326,889	188,058
石 油 系 燃 料 (原 油 換 算)	"	83,837	66,102	768	91	15,731	6,386	10,061	7,819
ガ ソ リ ン	"	105	43	-	-	-	-	-	-
灯 油	"	7,576	7,424	-	-	-	48	899	42
軽 油	"	1,977	1,752	-	-	3	54	143	142
重 油 計	"	23,788	23,480	462	67	2,265	5,614	2,257	933
A 重 油	"	11,997	11,855	74	-	263	551	1,695	515
B・C 重 油	"	11,791	11,625	388	67	2,002	5,063	562	418
炭 化 水 素 油	"	6,393	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	18,770	16,472	157	15	1,498	152	5,196	5,153
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	21,901	13,287	83	-	13,204	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	99	99	-	-	-	66	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,250,387	3,871,059	339,788	19,620	2,635,766	45,452	198,470	156,525
コークス製造用炭(原料炭)	t	3,135,633	323,983	-	-	323,946	-	-	-
石 炭	"	1,151,558	1,137,541	113,857	12,452	814,770	31,254	63,284	51,463
石 炭 コ ー ク ス	"	2,309,968	2,296,404	307,983	10,088	1,931,886	26,558	15,193	3,222
タ ー ク ル	"	9,743	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	746,354	593,818	30,426	2,383	99,628	928	41,452	39,430
高 炉 ガ ス	"	5,768,803	4,262,811	137,729	24,810	2,639,407	18,115	233,886	227,837
転 炉 ガ ス	"	343,615	287,177	8,353	430	105,203	515	14,920	13,925
電 気 炉 ガ ス	"	6,260	5,265	-	-	-	5,138	-	-
天 然 ガ ス	"	2,172	2,170	-	-	-	-	246	-
液 化 天 然 ガ ス	t	27,888	27,737	83	-	85	137	708	153
都 市 ガ ス (A)	1000m ³	155,066	148,457	1,411	26	6,996	142	12,584	4,313
都 市 ガ ス (B)	"	169,313	162,081	1,538	29	7,640	155	13,741	4,719
酸 素	1000Nm ³	847,304	847,128	...	...	369,372	3,981	439,931	371,810
廃 材	絶乾(Dry)t	1,544	1,544	-	-	-	-	-	-
廃 タ イ ヤ	t	857	857	-	-	-	-	857	857
廃 プ ラ ス チ ッ ク	"	18,354	3,248	-	-	2,793	10	445	445
R P F	"	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,889,517	3,640,003	234,889	994	256,875	159,494	1,251,059	236,101
蒸 気	気 t	332,431	284,660	3,211	433	52,910	1,876	28,664	25,343

(令和3年6月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
133,447	15,721	4,545	499,020	837,844	262,574	2,378,728	39,028	Total	
1,990	2,236	2,049	12,060	15,709	11,472	15,019	1,819	(Crude petroleum equivalent)	
-	-	-	1	-	42	-	62	Gasoline	
789	558	829	3,344	184	1,660	1	151	Kerosene	
1	52	11	15	-	1,474	21	204	Gas oils	
1,138	1,536	512	4,471	10,854	2,671	-	100	Heavy Fuel oil total	
994	1,536	508	3,682	2,686	2,572	-	93	Heavy Fuel oil A	
144	-	4	789	8,168	99	-	7	Heavy Fuel oil B・C	
-	-	-	-	-	-	6,393	-	Hydrocarbon oil	
43	89	572	3,345	3,100	4,425	755	1,021	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	8,614	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
32,396	8,881	756	332,223	569,488	72,341	2,335,282	10,861	Non-oil based fuels	
-	-	-	-	-	37	2,811,650	-	(Crude petroleum equivalent)	
4,039	-	-	-	287,725	21	...	-	Coal for making coke (material coal)	
11,971	-	3	-	-	4,693	13,214	350	Coal	
-	-	-	-	-	-	9,743	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
1,239	359	38	341,281	128,382	26,851	138,500	4,967	Coke oven gas	
46	225	-	119,795	2,524,452	160,822	1,336,653	647	Blast furnace gas	
94	459	-	86,884	143,029	6,529	38,464	10,242	Converter furnace gas	
-	-	-	-	5,407	-	-	-	Electric furnace gas	
246	146	-	1,330	231	217	-	2	Natural gas	
349	1,692	142	19,395	3,265	3,801	-	13	Liquefied natural gas	
5,819	5,127	421	80,023	31,883	24,597	571	4,887	Town gas(A)	
6,338	5,614	458	87,215	34,758	27,006	625	5,345	Town gas(B)	
68,121	323	256	10,624	...	22,641	...	176	Oxygen	
-	-	-	-	3,374	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	15,106	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,039,358	48,680	17,950	1,358,026	124,326	968,688	159,568	183,708	Electricity	
34,376	1,080	1,011	411,006	3,487,799	1,282,526	196,524	133,946	Steam	
138,831	15,843	4,560	537,956	-	281,879	2,373,995	49,581	Total	
2,242	2,237	2,051	14,389	-	14,389	15,253	2,482	(Crude petroleum equivalent)	
-	-	-	1	-	42	-	62	Gasoline	
857	558	829	3,348	-	1,742	1	151	Kerosene	
1	52	11	15	-	1,474	21	204	Gas oils	
1,324	1,536	514	5,982	-	4,782	96	212	Heavy Fuel oil total	
1,180	1,536	510	4,199	-	3,026	1	141	Heavy Fuel oil A	
144	-	4	1,783	-	1,756	95	70	Heavy Fuel oil B・C	
-	-	-	-	-	-	6,393	-	Hydrocarbon oil	
43	89	572	3,910	-	4,884	856	1,443	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	8,614	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
41,945	9,082	785	429,621	-	192,475	2,346,921	32,407	Non-oil based fuels	
-	-	-	-	-	37	2,811,650	-	(Crude petroleum equivalent)	
11,821	-	-	46,739	-	55,186	1,532	12,484	Coal for making coke (material coal)	
11,971	-	3	-	-	4,693	13,214	350	Coal	
-	-	-	-	-	-	9,743	-	Coal coke	
-	-	-	-	-	-	-	-	Tar	
2,022	360	38	362,488	-	56,116	143,544	8,991	Coke oven gas	
6,049	231	-	528,125	-	680,508	1,403,379	102,614	Blast furnace gas	
996	459	-	114,069	-	43,228	42,840	13,598	Converter furnace gas	
-	-	-	-	-	127	-	995	Electric furnace gas	
246	146	-	1,531	-	247	-	2	Natural gas	
556	1,833	142	19,970	-	4,778	76	76	Liquefied natural gas	
8,270	5,127	445	88,560	-	33,165	1,221	5,389	Town gas(A)	
9,022	5,614	485	96,526	-	36,354	1,337	5,895	Town gas(B)	
68,121	323	256	10,624	...	22,641	...	176	Oxygen	
-	-	-	706	-	837	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	15,106	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,014,958	47,860	17,841	976,936	-	694,055	115,161	134,354	Electricity	
3,321	1,051	922	44,388	-	151,205	16,036	31,735	Steam	

(June, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper 溶錬工程 Fusing and mixing process		電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	96,983	85,127	28,244	21,674	6,570	6,785	6,150	635	
石油系燃料 (原油換算)	"	20,265	18,209	6,222	6,222	-	698	378	321	
ガソリン	"	5	5	-	-	-	-	-	-	
灯油	"	1,457	473	57	57	-	-	-	-	
軽油	"	282	112	4	4	-	-	-	-	
重油計	"	9,529	9,202	4,255	4,255	-	395	171	224	
A重油	"	3,847	3,520	463	463	-	395	171	224	
B・C重油	"	5,682	5,682	3,792	3,792	-	-	-	-	
炭化水素油	"	3,584	3,076	349	349	-	-	-	-	
液化石油ガス	t	555	472	357	357	-	-	-	-	
オイルコークス	"	1,012	1,012	907	907	-	105	105	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	3,188	3,188	-	-	-	203	111	92	
非石油系燃料 (原油換算)	kl	24,579	24,198	3,111	3,111	-	4,955	4,955	-	
石炭	t	4,022	4,022	3,871	3,871	-	135	135	-	
石炭コークス	"	15,258	15,238	254	254	-	5,671	5,671	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	22,054	22,054	-	-	-	6,029	6,029	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	-	-	-	-	-	-	-	-	
液化天然ガス	t	2,056	2,056	219	219	-	41	41	-	
都市ガス (A)	1000m ³	4,935	4,620	-	-	-	-	-	-	
都市ガス (B)	"	5,172	4,827	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	474,163	392,417	151,126	95,101	56,025	10,994	7,670	3,324	
		116,178	89,927	70,207	50,555	19,652	1,578	1,503	75	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	90,279	79,160	22,301	17,216	5,086	6,832	6,197	635
石油系燃料 (原油換算)	"	20,932	18,693	6,397	6,375	22	724	403	321
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,457	473	57	57	-	-	-	-
軽油	"	282	112	4	4	-	-	-	-
重油計	"	10,181	9,673	4,417	4,397	20	421	197	224
A重油	"	4,347	3,839	473	472	1	421	197	224
B・C重油	"	5,834	5,834	3,944	3,925	19	-	-	-
炭化水素油	"	3,584	3,076	349	349	-	-	-	-
液化石油ガス	t	555	472	357	357	-	-	-	-
オイルコークス	"	1,012	1,012	907	907	-	105	105	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	3,188	3,188	-	-	-	203	111	92
非石油系燃料 (原油換算)	kl	25,809	25,001	3,111	3,111	-	5,139	5,139	-
石炭	t	4,022	4,022	3,871	3,871	-	135	135	-
石炭コークス	"	15,258	15,238	254	254	-	5,671	5,671	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	32,408	29,156	-	-	-	7,735	7,735	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,171	2,135	219	219	-	60	60	-
都市ガス (A)	1000m ³	5,031	4,651	-	-	-	-	-	-
都市ガス (B)	"	5,278	4,862	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	441,800	368,156	130,625	81,452	49,173	10,294	6,970	3,324
		35,302	17,627	9,301	2,213	7,088	172	95	77

(令和3年6月)

(非鉄金属地金 Non-ferrous metals)							Kind of energy
亜鉛	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others	
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc					
24,295	16,249	8,047	11,020	12,803	1,980	11,856	Total (Crude petroleum equivalent)
962	474	488	2,211	7,782	334	2,056	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
8	8	-	327	76	5	984	Kerosene
8	8	-	18	82	-	170	Gas oils
568	434	134	1,717	2,138	129	327	Heavy Fuel oil total
299	165	134	351	1,883	129	327	Heavy Fuel oil A
269	269	-	1,366	255	-	-	Heavy Fuel oil B・C
-	-	-	-	2,727	-	508	Hydrocarbon oil
1	1	-	41	69	4	83	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
340	-	340	-	2,458	187	-	Reproduction oil (Oil origin)
9,400	2,524	6,877	2,668	3,880	184	381	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	16	-	Coal
9,306	2,434	6,872	-	-	7	20	Coal coke
-	-	-	-	-	-	-	Coke oven gas
16,025	611	15,414	-	-	-	-	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
623	407	216	165	893	115	-	Liquefied natural gas
57	57	-	2,067	2,491	5	315	Town gas(A)
64	64	-	2,293	2,465	5	345	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
144,881	140,768	4,113	65,820	12,265	7,331	81,746	Electricity
6,598	2,262	4,336	255	-	11,289	26,251	Steam
24,452	16,263	8,189	11,032	12,802	1,740	11,119	Total (Crude petroleum equivalent)
1,174	607	567	2,211	7,782	406	2,239	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
8	8	-	327	76	5	984	Kerosene
8	8	-	18	82	-	170	Gas oils
779	567	212	1,717	2,138	201	509	Heavy Fuel oil total
510	298	212	351	1,883	201	509	Heavy Fuel oil A
269	269	-	1,366	255	-	-	Heavy Fuel oil B・C
-	-	-	-	2,727	-	508	Hydrocarbon oil
1	1	-	41	69	4	83	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
340	-	340	-	2,458	187	-	Reproduction oil (Oil origin)
10,001	2,564	7,438	2,669	3,879	203	808	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	16	-	Coal
9,306	2,434	6,872	-	-	7	20	Coal coke
-	-	-	-	-	-	-	Coke oven gas
21,264	652	20,612	-	-	157	3,252	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
681	407	273	165	893	117	36	Liquefied natural gas
87	87	-	2,067	2,491	6	380	Town gas(A)
98	98	-	2,294	2,464	7	416	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
142,731	140,746	1,986	65,820	12,265	6,420	73,644	Electricity
-	-	-	425	-	7,729	17,675	Steam

(June, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			電子部品 Parts for electronic equipment
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	
合計（原油換算）	kl	292,141	215,044	3,961	5,955	24,666
石油系燃料（原油換算）	〃	16,167	9,807	578	1,381	104
ガソリン	〃	4,318	2,553	-	2	1
灯油	〃	1,933	976	1	175	48
軽油	〃	2,540	553	290	3	1
重油計	〃	1,969	1,621	-	1,165	22
A重油	〃	1,962	1,614	-	1,165	22
B・C重油	〃	7	7	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	4,743	3,483	226	31	27
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	51,622	32,233	797	647	968
石炭	t	-	-	-	-	-
石炭コークス	〃	798	798	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	353	353	-	-	-
液化天然ガス	t	3,324	1,167	-	112	3
都市ガス（A）	1000m ³	39,562	25,501	683	420	818
都市ガス（B）	〃	43,255	27,869	750	461	907
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,411,795	1,859,804	27,797	42,209	253,638

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	339,489	254,555	4,024	6,549	30,385
石油系燃料（原油換算）	〃	17,453	11,069	579	1,458	546
ガソリン	〃	4,318	2,553	-	2	1
灯油	〃	1,938	981	1	179	49
軽油	〃	2,575	584	290	3	4
重油計	〃	2,218	1,855	1	1,238	34
A重油	〃	2,211	1,848	1	1,238	34
B・C重油	〃	7	7	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	5,513	4,250	226	31	356
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	121,512	90,350	941	1,458	8,629
石炭	t	-	-	-	-	-
石炭コークス	〃	798	798	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	2,256	2,252	-	-	905
液化天然ガス	t	7,964	4,735	-	180	171
都市ガス（A）	1000m ³	92,297	69,434	805	1,035	6,471
都市ガス（B）	〃	100,921	75,879	886	1,134	6,962
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,155,648	1,646,219	26,920	39,056	228,005

(令和3年6月)

(機械器具製品 Machinery products)				その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts			
61,846	4,692	113,926	77,097	Total	(Crude petroleum equivalent)
468	21	7,254	6,360	Oil based fuels	(Crude petroleum equivalent)
3	-	2,547	1,765	Gasoline	
-	-	752	957	Kerosene	
-	-	259	1,987	Gas oils	
122	-	312	348	Heavy Fuel oil total	
122	-	305	348	Heavy Fuel oil A	
-	-	7	-	Heavy Fuel oil B・C	
-	-	-	1	Hydrocarbon oil	
265	16	2,918	1,260	Liquefied petroleum gas	
-	-	-	-	Hydrocarbon gas	
-	-	-	-	Petroleum coke	
-	-	-	-	Asphalt	
-	-	-	-	Reproduction oil (Oil origin)	
1,300	128	28,393	19,389	Non-oil based fuels	(Crude petroleum equivalent)
-	-	-	-	Coal	
-	-	798	-	Coal coke	
-	-	-	-	Coke oven gas	
-	-	-	-	Blast furnace gas	
-	-	-	-	Converter furnace gas	
1	-	352	-	Natural gas	
-	-	1,052	2,157	Liquefied natural gas	
1,109	109	22,362	14,061	Town gas(A)	
1,223	120	24,408	15,386	Town gas(B)	
-	-	-	-	Used tires	
-	-	-	-	Waste plastic	
-	-	-	-	Refuse Paper & Plastic Fuel	
645,829	48,842	841,489	551,991	Electricity	
72,590	4,704	136,303	84,934	Total	(Crude petroleum equivalent)
878	21	7,587	6,383	Oil based fuels	(Crude petroleum equivalent)
3	-	2,547	1,765	Gasoline	
-	-	752	957	Kerosene	
-	-	287	1,991	Gas oils	
207	-	375	363	Heavy Fuel oil total	
207	-	368	363	Heavy Fuel oil A	
-	-	7	-	Heavy Fuel oil B・C	
-	-	-	1	Hydrocarbon oil	
516	16	3,105	1,263	Liquefied petroleum gas	
-	-	-	-	Hydrocarbon gas	
-	-	-	-	Petroleum coke	
-	-	-	-	Asphalt	
-	-	-	-	Reproduction oil (Oil origin)	
17,483	151	61,688	31,162	Non-oil based fuels	(Crude petroleum equivalent)
-	-	-	-	Coal	
-	-	798	-	Coal coke	
-	-	-	-	Coke oven gas	
-	-	-	-	Blast furnace gas	
-	-	-	-	Converter furnace gas	
1	-	1,346	4	Natural gas	
-	-	4,385	3,229	Liquefied natural gas	
14,984	129	46,010	22,863	Town gas(A)	
16,461	142	50,295	25,042	Town gas(B)	
-	-	-	-	Used tires	
-	-	-	-	Waste plastic	
-	-	-	-	Refuse Paper & Plastic Fuel	
582,954	48,726	720,558	509,429	Electricity	

(June, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	568,451	13,169	5,518
ア ン モ ニ ア 及 び ア ン モ ニ ア 誘 導 品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	5
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	52
板 ガ ラ ス Sheet Glass	...	-	-	-	44
石 灰 Lime	...	-	-	-	289
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	-
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	244
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	37

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

(令和3年6月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
9,479	851	23,732	74,968	34,523	51,854	-
-	125	2,042	454	43,562	20,217	-
-	1,049	2,296	17	22,277	221,556	802
18	2,199	10,831	-	167,256	455,152	434
-	85	15,337	61	-	-	-
29	1,291	5,799	-	6,400	21,020	6,977
-	881	3,858	44	-	20,902	46
-	314	-	-	45	39	4,497
1	383	118	0	-	-	6,226
1	92	153	7	-	-	-
19	230	68	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(June, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry
 Hokkaido Bureau of Economy, Trade and Industry

1) 北海道経済産業局管内

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	497,263	-	121,026	4,614	-
石 油 系 燃 料 (原 油 換 算)	"	64,347	-	10,744	3,818	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	1,271	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	50	-	43	-	-
A 重 油	"	81	-	-	-	-
B ・ C 重 油	"	2,426	-	62	2	-
炭 化 水 素 油	"	13,983	-	8,666	-	-
液 化 石 油 ガ ス	t	526	-	526	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	3,839	-	227	2,948	-
オ イ ル コ ー ク ス	t	23,980	-	-	-	-
ア ス フ ェ ル ト	"	9,650	-	388	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		159	-	105	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	414,071	-	106,413	184	-
石 炭 コ ー ク ス	t	357,853	-	96,334	-	-
コ ー ク ス 炉 ガ ス	1000m ³	67,959	-	486	-	-
高 炉 ガ ス	"	42,815	-	-	-	-
液 化 天 然 ガ ス	t	296,965	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,394	-	97	130	-
回 収 黒 液	絶乾(Dry)t	1000m ³	-	-	-	-
廃 プ ラ ス チ ッ ク	t	94,100	-	94,100	...	...
R P F	"	7,088	-	13	-	-
		1,839	-	1,839	-	-
電 力	1000kWh	494,075	-	242,966	4,927	-
う ち 購 入 分	"	114,604	-	16,175	4,927	-
蒸 気	t	2,734,420	-	1,500,073	5,907	-
う ち 受 入 分	"	84,185	-	-	2,220	-

2) 東北経済産業局管内

Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	291,557	-	107,529	38,845	179
石 油 系 燃 料 (原 油 換 算)	"	76,285	-	14,273	26,581	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	29,027	-	-	29,027	-
軽 油	"	1,033	-	10	-	-
A 重 油	"	198	-	5	-	-
B ・ C 重 油	"	6,197	-	2,661	323	-
炭 化 水 素 油	"	14,856	-	9,663	-	-
液 化 石 油 ガ ス	t	1,593	-	499	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	372	-	16	-	-
オ イ ル コ ー ク ス	t	16,074	-	-	743	-
ア ス フ ェ ル ト	"	3,854	-	615	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		901	-	78	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	179,370	-	89,970	10,279	-
石 炭 コ ー ク ス	t	144,099	-	48,564	14,080	-
コ ー ク ス 炉 ガ ス	1000m ³	10,375	-	-	-	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	34,804	-	-	-	-
都 市 ガ ス (B)	1000m ³	5,278	-	-	554	-
回 収 黒 液	絶乾(Dry)t	771	-	-	-	-
廃 プ ラ ス チ ッ ク	t	93,246	-	93,246	...	...
R P F	"	2,321	-	192	-	-
		8,140	-	8,140	-	-
電 力	1000kWh	642,832	-	219,622	39,049	907
う ち 購 入 分	"	355,234	-	35,324	16,213	907
蒸 気	t	1,727,977	-	1,281,650	151,653	1,371
う ち 受 入 分	"	21,871	-	-	6,909	1,371

(令和3年6月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
37,555	44,739	-	285,085	-	4,244	Total (Crude petroleum equivalent)
37,554	1,457	-	10,695	-	80	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
1,271	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	7	-	-	Kerosene
-	9	-	72	-	-	Gas oils
-	503	-	1,859	-	-	Heavy Fuel oil A
4,498	819	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
-	-	-	602	-	62	Liquefied petroleum gas
23,980	-	-	-	-	-	Hydrocarbon gas
-	-	-	9,262	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	54	-	-	-	-	Reproduction oil (Oil origin)
-	41,792	-	262,187	-	3,495	Non-oil based fuels (Crude petroleum equivalent)
-	55,743	-	205,776	-	-	Coal
-	250	-	67,223	-	-	Coal coke
-	177	-	42,638	-	-	Coke oven gas
-	-	-	296,965	-	-	Blast furnace gas
-	-	-	694	-	2,473	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	5,035	-	2,040	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
29,757	52,926	-	146,780	-	16,719	Electricity
16	15,992	-	70,313	-	7,181	among those purchased
163,401	140,447	-	924,592	-	...	Steam
-	42	-	81,923	-	...	among those accepted
21,563	22,803	1,680	61,819	29,018	8,121	Total (Crude petroleum equivalent)
21,345	3,362	218	7,032	2,584	891	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	5	1	262	134	621	Kerosene
-	122	1	17	51	2	Gas oils
4	72	212	1,986	739	200	Heavy Fuel oil A
1,053	-	-	4,100	40	-	Heavy Fuel oil B・C
-	360	-	-	734	-	Hydrocarbon oil
-	-	2	265	11	78	Liquefied petroleum gas
15,331	-	-	-	-	-	Hydrocarbon gas
-	3,134	-	-	105	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	93	-	-	730	-	Reproduction oil (Oil origin)
-	17,074	298	44,495	15,146	2,108	Non-oil based fuels (Crude petroleum equivalent)
-	22,020	-	55,774	3,661	-	Coal
-	-	-	632	9,743	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	34,804	-	Blast furnace gas
-	-	211	3,008	1,505	-	Liquefied natural gas
-	-	-	-	36	735	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,129	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
16,446	27,967	12,473	143,979	122,407	59,982	Electricity
2,345	25,435	7,965	110,645	101,344	55,056	among those purchased
113,260	16,275	-	8,459	155,309	...	Steam
-	-	-	-	13,591	...	among those accepted

(June, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,204,962	37,804	181,920	2,377,182	11,708
石 油 系 燃 料 (原 油 換 算)	"	2,576,479	5,853	11,840	2,141,774	159
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,038	5	1	7	2
改 質 生 成 油	"	1,370,861	-	-	1,370,588	-
灯 油	"	313,969	-	-	313,969	-
軽 油	"	32,573	83	76	27,764	2
A 重 油	"	17,156	273	24	14,660	-
B ・ C 重 油	"	8,305	375	1,701	85	-
炭 化 水 素 油	"	55,077	49	9,068	2,369	65
液 化 石 油 ガ ス	t	42,681	-	-	38,842	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	238,748	13	28	216,905	66
オ イ ル コ ー ク ス	t	431,804	-	-	225,031	-
ア ス フ ァ ル ト	"	36,358	5,876	-	30,819	-
再 生 油 (石 油 由 来)	kl	42,313	-	-	-	-
		9,571	-	196	1,712	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,303,582	20,887	155,339	109,489	11,364
石 炭 コ ー ク ス	t	1,395,679	12,658	23,547	12,658	-
コ ー ク ス 炉 ガ ス	1000m ³	713,254	6,351	-	6,351	-
高 炉 ガ ス	"	251,630	-	-	2,987	-
液 化 天 然 ガ ス	t	1,884,715	-	-	-	-
都 市 ガ ス (B)	1000m ³	24,033	-	5,017	13,814	-
回 収 黒 液	絶乾(Dry)t	167,941	-	44,931	21,187	10,700
廃 プ ラ ス チ ッ ク	t	87,212	-	87,212	...	...
R P F	"	22,971	-	936	4,583	-
	"	21,143	-	18,681	-	-
電 力	1000kWh	3,905,462	129,052	423,362	990,108	28,285
う ち 購 入 分	"	2,425,537	64,991	140,065	639,587	1,988
蒸 気	t	9,710,504	72,910	2,010,243	3,533,090	55,928
う ち 受 入 分	"	1,261,961	15,647	24,766	884,444	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,666,529	5,100	103,233	493,136	14,797
石 油 系 燃 料 (原 油 換 算)	"	612,202	88	15,668	417,993	3,415
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,762	9	-	-	-
改 質 生 成 油	"	198,776	-	-	198,776	-
灯 油	"	119,347	-	-	119,347	-
軽 油	"	5,094	46	92	19	117
A 重 油	"	983	3	40	6	2
B ・ C 重 油	"	9,245	34	735	612	1,207
炭 化 水 素 油	"	35,082	-	8,423	2,096	765
液 化 石 油 ガ ス	t	22,171	-	2,182	12,591	26
石 油 系 炭 化 水 素 ガ ス	1000m ³	48,479	-	154	38,865	68
オ イ ル コ ー ク ス	t	104,073	-	-	32,495	-
ア ス フ ァ ル ト	"	53,194	-	3,703	39,482	1,335
再 生 油 (石 油 由 来)	kl	3,594	-	-	-	-
		10,054	-	62	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	868,701	4,049	80,058	50,681	5,688
石 炭 コ ー ク ス	t	477,628	-	6,116	37,259	-
コ ー ク ス 炉 ガ ス	1000m ³	219,441	-	-	-	-
高 炉 ガ ス	"	70,039	-	-	-	-
液 化 天 然 ガ ス	t	887,484	-	-	-	-
都 市 ガ ス (B)	1000m ³	27,745	-	1,794	17,776	146
回 収 黒 液	絶乾(Dry)t	97,156	3,812	1,790	403	5,162
廃 プ ラ ス チ ッ ク	t	133,649	-	133,649	...	...
R P F	"	8,283	-	3,953	-	-
	"	5,284	-	5,218	-	-
電 力	1000kWh	2,527,411	13,476	242,459	267,653	66,128
う ち 購 入 分	"	1,782,966	10,349	68,204	110,662	50,950
蒸 気	t	4,201,196	-	1,151,822	1,151,822	76,182
う ち 受 入 分	"	249,716	-	16,820	200,714	13,792

(令和3年6月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
426,286	112,183	12,693	2,026,672	16,822	77,301	Total (Crude petroleum equivalent)
377,801	24,245	1,752	14,552	3,240	6,969	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
6	7	-	38	5	977	Gasoline
273	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
2,834	133	-	1,043	31	773	Kerosene
25	758	1	404	70	1,487	Gas oils
3,615	316	6	993	1,042	922	Heavy Fuel oil A
32,347	8,133	1,576	1,153	415	-	Heavy Fuel oil B・C
-	678	-	2,629	532	-	Hydrocarbon oil
15,503	53	33	3,808	40	2,325	Liquefied petroleum gas
206,770	-	-	3	-	-	Hydrocarbon gas
-	7,645	-	3,770	-	-	Petroleum coke
42,313	-	-	-	-	-	Asphalt
-	6,661	-	-	1,002	-	Reproduction oil (Oil origin)
14,539	72,807	8,928	1,919,674	3,027	29,302	Non-oil based fuels (Crude petroleum equivalent)
16,758	56,644	-	1,298,730	-	-	Coal
-	11,447	-	698,925	2,434	448	Coal coke
-	8,697	-	239,946	-	-	Coke oven gas
-	-	-	1,884,715	-	-	Blast furnace gas
-	32	2,045	535	130	2,460	Liquefied natural gas
306	2,825	5,685	57,346	960	24,001	Town gas(B)
...	...	...	...	...	...	Black liquor
-	9,538	-	7,914	-	-	Waste plastic
-	2,462	-	-	-	-	Refuse Paper & Plastic Fuel
341,013	220,479	24,495	1,400,581	110,894	495,297	Electricity
112,235	120,007	21,635	975,626	38,305	441,080	among those purchased
2,171,502	154,691	2,180	1,850,529	5,251	...	Steam
340,049	451	-	24,452	3,446	...	among those accepted
134,867	52,715	5,285	712,388	12,619	142,589	Total (Crude petroleum equivalent)
120,358	30,830	1,364	14,247	4,436	3,979	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	3	-	5	-	1,761	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	307	2	4,440	24	139	Kerosene
15	101	-	453	38	331	Gas oils
4,342	58	74	1,488	474	289	Heavy Fuel oil A
12,804	8,669	928	177	1,220	-	Heavy Fuel oil B・C
-	5,911	-	-	1,461	-	Hydrocarbon oil
3,171	-	-	4,789	110	1,322	Liquefied petroleum gas
71,578	-	-	-	-	-	Hydrocarbon gas
-	6,674	-	2,000	-	-	Petroleum coke
3,594	-	-	-	-	-	Asphalt
-	8,823	275	-	894	-	Reproduction oil (Oil origin)
12,385	17,808	2,931	642,249	2,919	58,030	Non-oil based fuels (Crude petroleum equivalent)
11,108	12,199	-	410,946	-	-	Coal
-	567	-	218,321	553	-	Coal coke
-	3,702	-	66,337	-	-	Coke oven gas
-	-	-	887,484	-	-	Blast furnace gas
3,462	-	461	3,822	-	284	Liquefied natural gas
-	4,422	2,147	31,359	2,358	53,328	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,278	-	2,052	-	-	Waste plastic
-	66	-	-	-	-	Refuse Paper & Plastic Fuel
111,870	60,148	10,637	757,729	35,191	989,072	Electricity
11,067	43,765	10,636	598,914	32,880	866,237	among those purchased
1,032,728	61,891	513	544,697	-	...	Steam
15,840	82	-	2,468	-	...	among those accepted

(June, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,763,501	35,849	39,134	589,442	55,313
石油系燃料(原油換算)	"	441,285	120	2,110	307,999	2,169
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	450	2	1	8	2
改 質 生 成 油	"	160,702	-	-	160,337	-
灯 油	"	110,372	-	-	110,372	-
軽 油	"	1,627	-	2	205	-
A 重 油	"	2,206	118	15	27	7
B・C 重 油	"	4,191	-	1,085	-	1,462
炭 化 水 素 油	"	23,722	-	24	11,968	443
液 化 石 油 ガ ス	t	14,549	-	-	4,265	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	33,695	2	8	31,094	164
オ イ ル コ ー ク ス	t	81,180	-	-	12,223	-
ア ス フ ァ ル ト	"	4,139	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,628	-	930	-	-
非石油系燃料(原油換算)	kl	1,206,176	24,949	34,477	259,218	42,659
石 炭 コ ー ク ス	t	826,924	19,845	12,641	299,253	25,683
コ ー ク ス 炉 ガ ス	1000m ³	286,452	-	-	-	-
高 炉 ガ ス	"	127,509	-	-	16,115	-
液 化 天 然 ガ ス	t	1,134,273	-	-	102,134	-
都 市 ガ ス (B)	1000m ³	33,118	1,796	-	17,311	290
回 収 黒 液	絶乾(Dry)t	137,866	8,500	19,360	14,174	23,472
廃 プ ラ ス チ ッ ク	t	12,189	-	12,189	...	...
R P F	"	910	-	-	-	-
	"	669	-	657	-	-
電 力	1000kWh	1,787,129	165,346	85,516	266,156	189,165
う ち 購 入 分	"	1,062,752	115,880	27,374	164,840	106,591
蒸 気	t	3,229,899	209,089	376,717	772,937	426,357
う ち 受 入 分	"	248,364	-	-	99,695	8,245

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,287,735	212,816	97,901	1,048,682	52,566
石油系燃料(原油換算)	"	1,046,182	6,312	16,358	781,651	19,177
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	77	63	-	1	1
改 質 生 成 油	"	305,896	-	-	300,780	-
灯 油	"	281,627	-	-	281,627	-
軽 油	"	49,121	275	19	47,559	50
A 重 油	"	711	55	14	5	-
B・C 重 油	"	10,477	290	548	1,014	370
炭 化 水 素 油	"	72,100	4,633	10,848	21,907	7,671
液 化 石 油 ガ ス	t	13,907	-	-	9,720	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	54,017	501	-	47,665	183
オ イ ル コ ー ク ス	t	164,924	-	-	62,747	-
ア ス フ ァ ル ト	"	115,221	-	3,598	39,066	11,894
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,385	-	927	-	-
非石油系燃料(原油換算)	kl	2,080,502	200,936	78,632	257,084	30,321
石 炭 コ ー ク ス	t	1,596,037	291,164	5,523	336,442	39,861
コ ー ク ス 炉 ガ ス	1000m ³	655,540	3,515	-	3,165	-
高 炉 ガ ス	"	187,483	-	-	1,352	-
液 化 天 然 ガ ス	t	1,458,976	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,138	-	203	6,664	403
回 収 黒 液	絶乾(Dry)t	41,125	1,089	1,407	2,622	2,701
廃 プ ラ ス チ ッ ク	t	165,129	-	165,129	...	...
R P F	"	2,802	1,029	44	1,029	-
	"	10,717	-	9,518	1,199	-
電 力	1000kWh	2,691,159	509,321	173,526	807,212	90,386
う ち 購 入 分	"	1,550,084	43,688	31,281	187,662	19,164
蒸 気	t	7,873,084	2,099,966	1,184,159	3,677,730	583,430
う ち 受 入 分	"	243,891	21,760	-	180,687	18,600

(令和3年6月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
107,956	60,295	21,921	881,132	4,372	39,785	Total
96,664	24,234	1,377	3,790	1,128	1,934	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
4	4	-	-	-	433	(Crude petroleum equivalent)
365	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
990	71	-	100	83	176	Naphtha
1,462	18	-	293	36	466	Oil produced by conversion
82	282	-	266	800	214	Kerosene
2,460	6,260	1,275	1,292	-	-	Gas oils
-	10,284	-	-	-	-	Heavy Fuel oil A
281	252	-	1,335	6	557	Heavy Fuel oil B・C
68,957	-	-	-	-	-	Hydrocarbon oil
-	4,139	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	2,487	-	16	195	-	Petroleum coke
8,471	33,048	16,123	818,222	2,536	16,372	Asphalt
-	42,482	-	466,710	-	-	Reproduction oil (Oil origin)
-	570	-	285,882	-	-	Non-oil based fuels
-	1,885	-	109,509	-	-	(Crude petroleum equivalent)
-	1,461	-	1,030,678	-	-	Coal
5,993	-	3,015	5,833	397	2,075	Coal coke
-	937	11,169	62,740	1,860	12,654	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	900	-	10	-	-	Liquefied natural gas
-	12	-	-	-	-	Town gas(B)
72,939	66,713	52,882	965,947	7,603	245,554	Black liquor
30,286	32,401	47,524	531,242	7,474	230,900	Waste plastic
459,908	252,940	7,925	1,141,277	927	...	Refuse Paper & Plastic Fuel
58	-	-	140,366	-	...	Electricity
						among those purchased
						Steam
						among those accepted
230,925	244,889	87	1,774,505	9,814	41,184	Total
215,314	11,145	-	24,376	1,909	2,563	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	62	-	73	(Crude petroleum equivalent)
5,116	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
45	410	-	954	175	184	Naphtha
1	37	-	353	84	272	Oil produced by conversion
393	589	-	5,892	927	1,034	Kerosene
25,920	4,784	-	4,924	672	7	Gas oils
-	422	-	3,764	-	1	Heavy Fuel oil A
1,380	266	-	4,240	3	781	Heavy Fuel oil B・C
102,177	-	-	-	-	-	Hydrocarbon oil
53,502	4,307	-	2,854	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	458	-	-	-	-	Petroleum coke
10,746	230,415	-	1,657,196	1,768	15,275	Asphalt
-	325,023	-	1,180,352	-	-	Reproduction oil (Oil origin)
-	6,088	-	647,183	2,269	350	Non-oil based fuels
-	4,639	-	181,492	-	-	(Crude petroleum equivalent)
-	88	-	1,458,888	-	-	Coal
7,603	45	-	1,132	-	88	Coal coke
-	366	-	21,360	64	13,695	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,029	-	1,729	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
176,663	494,653	938	1,092,815	67,405	296,882	Black liquor
45,878	32,746	938	961,263	63,880	250,960	Waste plastic
1,230,820	1,985,275	-	1,275,317	36,319	...	Refuse Paper & Plastic Fuel
8,628	4,095	-	50,829	2,812	...	Electricity
						among those purchased
						Steam
						among those accepted

(June, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	815,902	-	267,881	421,099	27,010
石 油 系 燃 料 (原 油 換 算)	"	258,564	-	94,543	123,097	8,392
原 油	"	-	-	...	-	...
ガ ソ リ	"	10	-	4	-	-
ナ フ サ	"	2,676	-	-	2,676	-
改 質 生 成 油	"	100,501	-	-	100,501	-
灯 油	"	985	-	4	114	-
軽 油	"	276	-	194	-	-
A 重 油	"	2,700	-	1,823	3	45
B ・ C 重 油	"	21,608	-	6,915	6,198	3,830
炭 化 水 素 油	"	3,576	-	-	1,412	-
液 化 石 油 ガ ス	t	70,287	-	65,565	2,565	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	25,718	-	-	13,598	-
オ イ ル コ ー ク ス	t	14,538	-	-	4,385	4,893
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	378	-	158	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	502,896	-	169,081	268,321	17,422
石 炭	t	567,155	-	149,031	337,748	23,393
石 炭 コ ー ク ス	"	12,322	-	-	3,406	-
コ ー ク ス 炉 ガ ス	1000m ³	45,294	-	-	45,294	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	2,672	-	1,377	263	-
都 市 ガ ス (B)	1000m ³	1,669	-	120	-	1,549
回 収 黒 液	絶乾(Dry)t	161,137	-	161,137	...	...
廃 プ ラ ス チ ッ ク	t	26	-	26	-	-
R P F	"	6,909	-	6,909	-	-
電 力	1000kWh	903,125	-	396,548	185,000	51,558
う ち 購 入 分	"	418,196	-	33,938	175,566	12,611
蒸 気	t	3,818,812	-	2,767,453	257,737	290,383
う ち 受 入 分	"	224,817	-	15,910	193,127	327

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,916,707	932	63,701	538,387	5,923
石 油 系 燃 料 (原 油 換 算)	"	369,324	253	5,780	304,801	256
原 油	"	-	-	...	-	...
ガ ソ リ	"	1,072	-	-	-	-
ナ フ サ	"	283,356	-	-	283,356	-
改 質 生 成 油	"	25,364	-	-	25,364	-
灯 油	"	2,202	254	256	404	-
軽 油	"	463	6	1	26	-
A 重 油	"	3,492	-	722	1,636	-
B ・ C 重 油	"	17,926	-	4,106	5,434	237
炭 化 水 素 油	"	4,857	-	-	4,428	-
液 化 石 油 ガ ス	t	21,450	6	-	15,812	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	12,632	-	-	4,499	-
オ イ ル コ ー ク ス	t	25,808	-	416	-	-
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	5,239	-	18	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,413,352	-	55,401	198,702	-
石 炭	t	1,194,881	-	37,536	258,749	-
石 炭 コ ー ク ス	"	384,029	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	176,304	-	-	36,068	-
高 炉 ガ ス	"	842,744	-	-	-	-
液 化 天 然 ガ ス	t	14,823	-	-	836	-
都 市 ガ ス (B)	1000m ³	11,577	-	137	2,818	-
回 収 黒 液	絶乾(Dry)t	74,689	-	74,689	...	...
廃 プ ラ ス チ ッ ク	t	12,711	-	-	1,457	-
R P F	"	-	-	-	-	-
電 力	1000kWh	1,452,340	7,292	142,816	142,117	16,406
う ち 購 入 分	"	1,092,395	7,292	27,095	96,484	16,406
蒸 気	t	2,430,459	-	884,949	728,033	59,908
う ち 受 入 分	"	444,304	-	-	350,198	59,908

(令和3年6月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
19,265	47,137	-	14,203	13,296	6,010	Total
19,212	7,207	-	1,475	4,364	273	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	105	-	47	706	9	- Oil produced by conversion
-	77	-	2	3	-	9 Kerosene
-	345	-	60	285	139	- Gas oils
2,097	414	-	4	2,150	-	139 Heavy Fuel oil A
-	1,307	-	-	857	-	- Heavy Fuel oil B・C
753	100	-	1,054	155	95	- Hydrocarbon oil
12,120	-	-	-	-	-	95 Liquefied petroleum gas
-	5,260	-	-	-	-	- Hydrocarbon gas
-	-	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	220	-	-	-	-	- Reproduction oil (Oil origin)
-	39,143	-	7,315	432	1,182	Non-oil based fuels
-	56,622	-	-	361	-	(Crude petroleum equivalent)
-	837	-	7,827	252	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	196	-	836	836 Liquefied natural gas
-	-	-	-	-	-	- Town gas(B)
...	...	...	...	...	...	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
18,066	52,682	-	60,940	89,318	49,013	Electricity
571	8,466	-	58,181	79,895	48,968	among those purchased
131,314	301,026	-	20,695	50,204	...	Steam
-	-	-	-	15,453	...	among those accepted
16,581	117,591	396	1,134,678	6,864	33,519	Total
15,952	26,998	24	9,464	3,358	2,945	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	1,070	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	1,070 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	91	-	753	304	648	648 Kerosene
-	42	-	383	-	17	17 Gas oils
8	306	20	335	167	298	298 Heavy Fuel oil A
4,179	2,067	-	566	1,337	-	- Heavy Fuel oil B・C
-	429	-	-	-	-	- Hydrocarbon oil
550	1,015	3	3,001	230	845	845 Liquefied petroleum gas
8,133	-	-	-	-	-	- Hydrocarbon gas
-	20,470	-	4,015	907	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	4,771	-	83	367	-	- Reproduction oil (Oil origin)
-	83,465	-	1,068,717	238	6,828	Non-oil based fuels
-	111,615	-	786,981	-	-	(Crude petroleum equivalent)
-	47	-	383,975	7	-	- Coal
-	4,031	-	136,205	-	-	- Coal coke
-	-	-	842,744	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	13,580	165	242	242 Liquefied natural gas
-	-	-	2,520	-	6,102	6,102 Town gas(B)
...	...	...	...	...	...	... Black liquor
-	6,645	-	4,609	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
11,363	146,295	4,000	696,014	41,345	259,276	Electricity
6,760	75,274	4,000	583,272	35,130	255,266	among those purchased
76,069	233,483	-	389,001	59,016	...	Steam
-	1,805	-	32,393	-	...	among those accepted

(June, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年7月分
July, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

 1) 固有単位表 20

 2) 熱量単位表 20

(2) 燃料受払

 1) 燃料種別表 24

 ① 固有単位表 24

 ② 熱量単位表 24

 2) 業種別表

 ① パルプ・紙・板紙工業 26

 ② 化学繊維工業 26

 ③ 石油製品工業 28

 ④ ガラス製品工業 28

 ⑤ 化学工業 30

 ⑥ 窯業・土石製品工業 30

 ⑦ 鉄鋼業 32

 ⑧ 非鉄金属地金工業 34

 ⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

 1) 直接投入エネルギー表 38

 2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

 経済産業局別業種別エネルギー消費

 1) 北海道経済産業局管内 52

 2) 東 北 " 52

 3) 関 東 " 54

 4) 中 部 " 54

 5) 近 畿 " 56

 6) 中 国 " 56

 7) 四 国 " 58

 8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

 1) Table of original units 20

 2) Table of energy units 20

(2) Fuel input/output

 1) Table for type kind of energy 24

 ① Table of original unit 24

 ② Table of energy unit 24

 2) Tables for individual industry

 ① Pulp,paper,paper board industry 26

 ② Chemical fiber industry 26

 ③ Petroleum products industry 28

 ④ Glass products industry 28

 ⑤ Chemical industry 30

 ⑥ Ceramic, stone and clay product industry 30

 ⑦ Iron and steel industry 32

 ⑧ Non-ferrous metals industry 34

 ⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

 1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

 2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

 Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

 1) Hokkaido Bureau of Economy, Trade and Industry 52

 2) Tohoku Bureau of Economy, Trade and Industry 52

 3) Kanto Bureau of Economy, Trade and Industry 54

 4) Chubu Bureau of Economy, Trade and Industry 54

 5) Kansai Bureau of Economy, Trade and Industry 56

 6) Chugoku Bureau of Economy, Trade and Industry 56

 7) Shikoku Bureau of Economy, Trade and Industry 58

 8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 構外運搬に使用されたものは除く。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
					kl	kl	kl	kl	kl	kl	kl
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 4~6月	33,103,188	30,718,000	30,363,014	16,256,823	732	8,825	6,807,577	3,341,022	343,235	22,062
7~9	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10~12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1~3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4~6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
2 年 5月	10,851,560	10,022,713	9,957,107	5,316,001	234	2,099	2,216,021	1,068,564	109,783	4,555
6	10,391,708	9,627,186	9,516,928	5,057,961	194	3,506	2,117,857	1,045,720	139,885	11,848
7	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
前年同月比(%)	9.9	12.3	9.8	1.7	-	2.4	▲4.9	7.8	▲39.5	23.9

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)					高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG	都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	1000m ³						
	t	t	t	1000m ³	1000m ³						
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 4~6月	17,311,116	6,400,669	124,113	2,516,826	16,245,377	970,218	23,702	146,786	344,843	1,204,583	
7~9	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10~12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1~3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
4~6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699	
2 年 5月	5,769,561	2,125,905	44,360	867,109	5,343,200	332,789	8,286	51,824	111,763	376,112	
6	5,446,891	2,027,779	35,429	795,037	5,045,059	298,392	7,672	42,703	115,557	397,531	
7	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338	
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366	
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105	
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233	
前年同月比(%)	17.4	22.1	29.3	12.9	30.2	28.7	57.4	12.6	14.3	11.0	

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

重油計									非石油系燃料計 Non-oil based fuels total (原油換算) Crude petroleum equivalent	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl		
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
352,175	41,841	310,334	133,356	324,086	918,532	286,051	52,966	20,677	7,901,442	May 2020
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun.
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
5.3	▲ 1.9	6.5	▲ 10.6	18.1	1.0	▲ 17.8	56.7	14.1	19.1	R・S

回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力		蒸気		Year, quarter and Month
						Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
740,937	499,358	173,953	36,081	57,947	48,789	12,890,788	7,295,041	37,439,631	2,809,444	May 2020
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun.
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
21.3	53.9	1.5	17.8	11.2	18.0	11.8	13.6	1.9	5.3	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,292,252	11,940,174	15,229,645	5,867,380	-	4,458	2,351,166	1,176,265	88,351
重複事業所分補正量 Duplication adjustment	358,943	-	330,427	11,862	-	108	-	-	1,021
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	989,969	861,299	951,543	73,186	...	7	-	-	465
化学工業 Chemical industry	5,964,237	4,710,428	5,675,014	4,450,300	-	19	2,342,935	1,176,265	64,127
化学繊維工業 Chemical fibers industry	188,362	46,086	163,456	32,857	...	5	-	-	170
石油製品工業 Petroleum products industry	1,133,391	991,378	1,087,580	1,032,862	...	17	8,231	-	11,852
窯業・土石製品工業 Ceramics, clay and stone products industry	802,320	538,066	765,718	148,598	...	27	-	-	1,470
ガラス製品工業 Glass products industry	43,462	42,124	33,851	4,621	...	-	-	-	5
鉄鋼業 Iron and steel industry	7,062,330	4,403,999	6,676,077	95,308	...	138	-	-	7,117
非鉄金属地金工業 Non-ferrous metals industry	4,019,749	74,418	3,633,496	20,989	...	5	-	-	1,483
機械工業 Machinery industry	88,361	272,377	47,736	20,521	...	4,348	-	-	2,683

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	630,510,185	462,084,739	589,387,290	227,067,630	-	148,897	78,293,828	39,640,131	3,224,829
重複事業所分補正量 Duplication adjustment	490,466,814	-	449,343,919	459,052	-	3,607	-	-	37,267
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	13,891,113	33,332,256	36,824,715	2,832,315	...	234	-	-	16,973
化学工業 Chemical industry	230,815,985	182,293,552	219,623,059	172,226,632	-	635	78,019,736	39,640,131	2,340,636
化学繊維工業 Chemical fibers industry	208,520,536	1,783,521	6,325,764	1,271,578	...	167	-	-	6,205
石油製品工業 Petroleum products industry	7,289,592	38,366,322	42,089,334	39,971,757	...	568	274,092	-	432,598
窯業・土石製品工業 Ceramics, clay and stone products industry	43,862,231	20,823,148	29,633,296	5,750,727	...	902	-	-	53,655
ガラス製品工業 Glass products industry	31,049,778	1,630,210	1,310,030	178,814	...	-	-	-	183
鉄鋼業 Iron and steel industry	1,681,967	170,434,774	258,364,206	3,688,407	...	4,609	-	-	259,772
非鉄金属地金工業 Non-ferrous metals industry	155,564,277	2,879,958	1,847,375	812,290	...	167	-	-	54,130
機械工業 Machinery industry	3,419,554	10,540,997	6,157,041	794,161	...	145,223	-	-	97,946

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンサートを含む。

(令和3年7月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	アスファルト	再生油(石油由来)	非石油系燃料計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
22,182	352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265
450	4,858	639	4,219	-	888	-	4,666	-	-	318,565
306	50,475	4,410	46,065	5,007	2,060	-	9,390	-	2,244	878,357
16,384	90,778	5,092	85,686	86,297	386,435	397,908	139,602	-	1,712	1,224,714
20	9,539	1,779	7,760	16	373	-	25,572	-	-	130,599
57	126,427	9,212	117,215	4,542	24,685	587,641	31,106	39,512	-	54,718
1,112	33,915	2,172	31,743	18,290	2,087	-	70,162	-	26,615	617,121
2	3,841	246	3,595	-	51	-	-	-	402	29,230
2,046	28,565	13,984	14,581	7,750	17,320	5	30,375	-	77	6,580,770
286	10,024	4,082	5,942	3,741	560	-	740	-	3,423	26,746
2,419	3,797	3,797	-	-	6,213	-	-	-	-	138,576

単位 Unit: GJ

842,913	14,606,828	1,716,940	12,889,889	5,025,720	21,988,978	50,263,254	10,065,957	1,580,480	1,385,815	362,319,660
17,100	201,211	24,857	176,354	-	44,489	-	155,378	-	-	12,328,477
11,628	2,097,099	171,582	1,925,517	200,280	103,206	-	312,687	-	90,209	33,992,400
622,592	3,779,754	198,079	3,581,675	3,451,880	19,360,394	20,293,308	4,648,747	-	68,822	47,396,426
760	393,571	69,203	324,368	640	18,687	-	851,548	-	-	5,054,186
2,166	5,257,934	358,347	4,899,587	181,680	1,236,719	29,969,691	1,035,830	1,580,480	-	2,117,577
42,256	1,411,438	84,491	1,326,947	731,600	104,559	-	2,336,395	-	1,069,923	23,882,569
76	159,840	9,569	150,271	-	2,555	-	-	-	16,160	1,131,215
77,748	1,153,485	543,982	609,503	310,000	867,955	255	1,011,488	-	3,095	254,675,799
10,866	407,185	158,809	248,376	149,640	28,056	-	24,642	-	137,605	1,035,085
91,921	147,735	147,735	-	-	311,336	-	-	-	-	5,362,880

Note 1. Net consumption is shown for Total and three industrial categories (Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(July, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313
重複事業所分補正量 Duplication adjustment	420,577	6,997	-	-	-	-	-	9,207	1,763
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	465,736	488	...	-	-	-	-	5,909	9,493
化学工業 Chemical industry	1,403,575	9,958	13,264	99,039	106,361	-	-	36,869	63,023
化学繊維工業 Chemical fibers industry	118,530	-	...	-	-	-	-	-	1,088
石油製品工業 Petroleum products industry	32,929	-	...	-	-	-	-	5,985	18,122
窯業・土石製品工業 Ceramics, clay and stone products industry	796,674	15,997	...	24,347	1,227	17,812	-	10,412	43
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,784
鉄鋼業 Iron and steel industry	4,477,206	2,411,917	8,321	789,743	6,420,645	385,343	7,806	1,778	31,042
非鉄金属地金工業 Non-ferrous metals industry	4,491	14,597	...	-	42,997	-	-	-	2,234
機械工業 Machinery industry	-	708	...	-	-	-	-	3,657	8,247

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	188,472,878	70,953,391	805,121	18,536,519	23,459,291	3,358,281	65,024	2,354,628	7,511,021
重複事業所分補正量 Duplication adjustment	10,977,060	202,913	-	-	-	-	-	391,298	96,436
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	12,155,710	14,152	...	-	-	-	-	251,133	519,267
化学工業 Chemical industry	36,633,308	288,782	494,747	2,010,492	379,709	-	-	1,566,933	3,447,358
化学繊維工業 Chemical fibers industry	3,093,633	-	...	-	-	-	-	-	59,514
石油製品工業 Petroleum products industry	859,447	-	...	-	-	-	-	254,363	991,273
窯業・土石製品工業 Ceramics, clay and stone products industry	20,793,191	463,932	...	494,244	4,380	148,374	-	442,510	2,352
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	316,385
鉄鋼業 Iron and steel industry	125,797,434	69,945,593	310,373	16,031,783	22,921,703	3,209,907	65,024	75,565	1,697,997
非鉄金属地金工業 Non-ferrous metals industry	117,215	423,313	...	-	153,499	-	-	-	122,200
機械工業 Machinery industry	-	20,532	...	-	-	-	-	155,423	451,111

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年7月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
485,233	925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880
15,000	-	-	-	-	1,511	-	999,376	238,266	3,136,546	41,016
67,235	925,708	...	193,645	26,482	2,068	53,830	2,052,268	352,658	12,350,861	50,828
43,266	...	...	-	15,319	8,603	1,346	3,071,517	1,468,450	12,004,215	2,105,170
46,254	...	...	-	-	-	-	492,275	196,104	1,795,331	96,394
304	...	...	-	-	-	-	887,201	214,434	6,107,802	374,181
8,249	...	...	184	5,397	31,968	2,809	1,322,859	350,576	4,135,388	6,841
19,826	...	...	-	-	-	-	111,777	98,930	10,667	-
194,548	...	844,562	2,653	32	19,276	-	5,419,342	3,891,935	6,405,145	350,173
5,325	...	...	-	-	-	-	420,923	299,851	322,712	35,309
115,227	...	...	-	-	-	-	2,635,196	2,361,431	...	...

単位 Unit: GJ

19,943,085	12,589,629	6,013,281	3,359,842	1,568,036	1,769,837	1,559,797	55,490,335	32,385,971	106,988,165	7,965,829
616,499	-	-	-	-	44,272	-	3,597,754	857,758	8,390,261	109,718
2,763,359	12,589,629	...	3,311,330	879,202	60,592	1,448,027	7,388,165	1,269,569	33,038,554	135,965
1,778,233	...	...	-	508,591	252,068	36,207	11,057,461	5,286,420	32,111,276	5,631,330
1,901,039	...	...	-	-	-	-	1,772,190	705,974	4,802,511	257,854
12,494	...	...	-	-	-	-	3,193,924	771,962	16,338,371	1,000,934
339,034	...	...	3,146	179,180	936,662	75,562	4,762,292	1,262,074	11,062,163	18,300
814,831	...	...	-	-	-	-	402,397	356,148	28,534	-
7,995,923	...	6,013,281	45,366	1,062	564,787	-	19,509,631	14,010,966	17,133,763	936,713
218,858	...	...	-	-	-	-	1,515,323	1,079,464	863,255	94,452
4,735,814	...	...	-	-	-	-	9,486,706	8,501,152	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(July, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算) (ネット)	kl	11,710,013	3,629,181	15,229,645	2,609,562	421,772
石 油 系 燃 料 (原 油 換 算)	"	4,348,199	-	5,867,380	642,180	205,980
原 ガ ナ 改 灯 軽 重	油 (注1)	-	...	-	-	-
ソ	ン	4,408	...	4,458	...	...
フ	サ	2,370,449	...	2,351,166	-	215
質 生 成	油	1,176,237	...	1,176,265	-	-
軽	油	76,711	...	88,351	1,221	13,203
重	油	22,500	...	22,182	4	60
	計	222,686	...	352,503	194,436	8,570
	油	35,241	...	44,135	17,752	2,100
	油	187,445	...	308,368	176,684	6,470
	油	40,821	...	125,643	68,331	-
炭 液 石 油 系 炭 化 水 素 ガ ス	油	450,684	...	438,896	7,546	15,263
石 油 系 炭 化 水 素 ガ ス	1000m ³	16,897	...	985,554	149,347	97,492
オ イ ル コ ー ク ス	t	307,446	...	302,281	172,102	-
ア ス フ ァ ル ト	"	-	...	39,512	4,733	34,779
再 生 油 (石 油 由 来)	kl	34,319	-	34,473	2,073	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,361,814	3,629,181	9,362,265	1,967,382	215,793
石 炭 コ ー ク ス (注2)	t	7,480,216	...	6,878,564	1,522,265	-
石 炭 コ ー ク ス (注3)	"	626,542	2,574,035	2,446,668	-	-
タ ー ク ス	"	19,192	67,986	21,585	-	-
コ ー ク ス 炉 ガ ス	1000m ³	167,451	1,108,838	913,129	110,105	-
高 圧 炉 ガ ス	"	243,258	9,569,216	6,571,230	2,334,325	-
電 気 炉 ガ ス	"	23,656	562,979	403,155	118,303	-
天 然 気 炉 ガ ス	"	-	9,779	7,806	7,111	-
液 化 天 然 気 ガ ス	"	45,579	4,648	55,403	16,335	18,850
都 市 取 出 黒 炭	t	155,246	...	137,313	22,495	27,718
回 収 黒 炭 (A)	1000m ³	447,162	...	447,162	89,885	135,819
回 収 黒 炭 (B)	"	485,250	...	485,233	97,235	146,810
回 収 黒 炭	液 絶 乾(Dry)t	925,853	...	925,708	925,708	-
回 収 黒 炭	1000Nm ³	701,062	199,142	844,562	-	-
回 収 黒 炭	液 絶 乾(Dry)t	193,286	-	196,482	195,901	-
回 収 黒 炭	t	45,466	-	47,230	41,801	-
回 収 黒 炭	"	59,356	7,113	60,404	2,068	-
回 収 黒 炭	"	59,965	-	57,985	55,176	-

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収 又は生産 Generation, recovery and/or production	合 計	ボイラ用	コージェネ レーション用
合 計 (原 油 換 算) (ネット)	GJ	453,177,515	140,449,321	589,387,290	100,990,068	16,322,595
石 油 系 燃 料 (原 油 換 算)	"	168,275,304	-	227,067,630	24,852,369	7,971,413
原 ガ ナ 改 灯 軽 重	油 (注1)	-	...	-	-	-
ソ	ン	147,227	...	148,897	...	...
フ	サ	78,935,952	...	78,293,828	-	7,160
質 生 成	油	39,639,187	...	39,640,131	-	-
軽	油	2,799,968	...	3,224,829	44,567	481,910
重	油	854,997	...	842,913	152	2,280
	計	9,206,274	...	14,606,828	8,076,008	352,136
	油	1,370,964	...	1,716,940	690,617	81,690
	油	7,835,310	...	12,889,889	7,385,391	270,446
	油	1,632,840	...	5,025,720	2,733,240	-
炭 液 石 油 系 炭 化 水 素 ガ ス	油	22,579,537	...	21,988,978	378,055	764,676
石 油 系 炭 化 水 素 ガ ス	"	861,747	...	50,263,254	7,616,697	4,972,092
オ イ ル コ ー ク ス	"	10,237,952	...	10,065,957	5,730,997	-
ア ス フ ァ ル ト	"	-	...	1,580,480	189,320	1,391,160
再 生 油 (石 油 由 来)	"	1,379,624	-	1,385,815	83,335	-
非 石 油 系 燃 料 (原 油 換 算)	"	284,902,210	140,449,321	362,319,660	76,137,699	8,351,182
石 炭 コ ー ク ス (注2)	"	205,429,003	...	188,472,878	39,731,117	-
石 炭 コ ー ク ス (注3)	"	18,169,736	74,647,015	70,953,391	-	-
タ ー ク ス	"	715,862	2,535,878	805,121	-	-
コ ー ク ス 炉 ガ ス	"	3,399,255	22,509,411	18,536,519	2,235,132	-
高 圧 炉 ガ ス	"	868,431	34,162,101	23,459,291	8,333,540	-
電 気 炉 ガ ス	"	197,054	4,689,615	3,358,281	985,464	-
天 然 気 炉 ガ ス	"	-	81,459	65,024	59,235	-
液 化 天 然 気 ガ ス	"	1,937,108	197,540	2,354,628	694,238	801,125
都 市 取 出 黒 炭	"	8,491,956	...	7,511,021	1,230,477	1,516,175
回 収 黒 炭 (A)	"	19,943,792	...	19,943,085	3,996,343	6,033,882
回 収 黒 炭 (B)	"	12,591,601	...	12,589,629	12,589,629	-
回 収 黒 炭	"	4,991,561	1,417,891	6,013,281	...	-
回 収 黒 炭	"	3,305,191	-	3,359,842	3,349,907	-
回 収 黒 炭	"	1,509,471	-	1,568,036	1,387,793	-
回 収 黒 炭	"	1,739,131	208,411	1,769,837	60,592	-
回 収 黒 炭	"	1,613,059	-	1,559,797	1,484,234	-

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

(令和3年7月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,198,310	6,608,775	5,361,319	228,216	1,715,996	9,291,586	Total (Crude petroleum equivalent) (Net)
5,019,220	3,740,726	1,172,967	105,527	75,955	1,661,391	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	240	Crude petroleum
4,458	...	5	4,453	4	1,687	Gasoline
2,350,951	2,346,638	2,346	1,967	5,505	639,609	Naphtha
1,176,265	1,176,265	-	-	6,902	6,239	Oil produced by conversion
73,927	59,000	11,075	3,852	122	17,752	Kerosene
22,118	16,076	276	5,766	33	11,612	Gas oils
149,497	34,977	101,706	12,814	3,082	248,594	Heavy Fuel oil total
24,283	-	20,744	3,539	823	55,110	Heavy Fuel oil A
125,214	34,977	80,962	9,275	2,259	193,484	Heavy Fuel oil B・C
57,312	24,829	31,861	622	370	12,903	Hydrocarbon oil
416,087	352,492	38,305	25,290	39,213	108,879	Liquefied petroleum gas
738,715	38,210	668,964	31,541	...	...	Hydrocarbon gas
130,179	64,708	64,885	586	12,369	751,677	Petroleum coke
-	-	-	-	-	-	Asphalt
32,400	-	30,799	1,601	-	9,916	Reproduction oil (Oil origin)
7,179,090	2,868,049	4,188,352	122,689	1,640,041	7,630,194	Non-oil based fuels (Crude petroleum equivalent)
5,356,299	3,785,870	1,568,390	2,039	606,586	8,400,449	Coal
2,446,668	38,711	2,401,797	6,160	825,254	1,990,671	Coal coke
21,585	21,585	-	-	60,085	41,028	Tar
803,024	594	766,274	36,156	345,917	...	Coke oven gas
4,236,905	-	3,883,509	353,396	3,150,235	...	Blast furnace gas
284,852	-	263,638	21,214	162,772	...	Converter furnace gas
695	-	695	-	1,973	...	Electric furnaces gas
20,218	6,635	11,728	1,855	906	21	Natural gas
87,100	23,402	58,900	4,798	14,260	46,646	Liquefied natural gas
221,458	-	190,387	31,071	...	...	Town gas(A)
241,189	-	207,282	33,907	...	...	Town gas(B)
-	-	-	-	-	3,291	Black liquor
844,562	-	767,894	76,668	34,293	1,282	Oxygen
581	-	559	22	-	42,223	Waste material
5,429	32	5,397	-	-	26,890	Used tires
58,336	20,444	35,757	2,135	4,175	31,719	Waste plastic
2,809	-	2,809	-	-	20,365	Refuse Paper & Plastic Fuel
472,074,626	255,759,589	207,483,057	8,831,980	66,409,036	359,584,361	Total (Crude petroleum equivalent) (Net)
194,243,848	144,766,098	45,393,832	4,083,917	2,939,454	64,295,844	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	9,087	Crude petroleum
148,897	...	167	148,730	134	56,346	Gasoline
78,286,668	78,143,045	78,122	65,501	183,317	21,298,980	Naphtha
39,640,131	39,640,131	-	-	232,597	210,254	Oil produced by conversion
2,698,353	2,153,500	404,255	140,598	4,453	647,950	Kerosene
840,481	610,888	10,488	219,105	1,254	441,256	Gas oils
6,178,685	1,462,039	4,191,189	525,457	126,441	10,231,509	Heavy Fuel oil total
944,633	-	806,961	137,672	32,015	2,143,858	Heavy Fuel oil A
5,234,052	1,462,039	3,384,228	387,785	94,426	8,087,651	Heavy Fuel oil B・C
2,292,480	993,160	1,274,440	24,880	14,800	516,120	Hydrocarbon oil
20,846,247	17,659,849	1,919,217	1,267,181	1,964,571	5,454,874	Liquefied petroleum gas
37,674,465	1,948,710	34,117,164	1,608,591	...	...	Hydrocarbon gas
4,334,961	2,154,776	2,160,671	19,514	411,888	25,030,844	Petroleum coke
-	-	-	-	-	-	Asphalt
1,302,480	-	1,238,120	64,360	-	398,623	Reproduction oil (Oil origin)
277,830,779	110,993,491	162,089,225	4,748,063	63,469,581	295,288,517	Non-oil based fuels (Crude petroleum equivalent)
148,741,761	106,891,545	41,796,774	53,442	16,470,244	230,330,437	Coal
70,953,391	1,122,619	69,652,132	178,640	23,932,366	57,729,475	Coal coke
805,121	805,121	-	-	2,241,171	1,530,344	Tar
16,301,387	12,058	15,555,362	733,967	7,022,115	...	Coke oven gas
15,125,751	-	13,864,127	1,261,624	11,246,339	...	Blast furnace gas
2,372,817	-	2,196,105	176,713	1,355,891	...	Converter furnace gas
5,789	-	5,789	-	16,435	...	Electric furnaces gas
859,265	281,988	498,440	78,838	38,505	893	Natural gas
4,764,370	1,280,089	3,221,830	262,451	780,022	2,551,536	Liquefied natural gas
9,912,861	-	8,519,279	1,393,582	...	...	Town gas
-	-	-	-	-	44,758	Black liquor
6,013,281	-	5,467,405	545,876	244,166	9,128	Oxygen
9,935	-	9,559	376	-	722,013	Waste material
180,243	1,062	179,180	-	-	892,748	Used tires
1,709,245	599,009	1,047,680	62,556	122,328	929,367	Waste plastic
75,562	-	75,562	-	-	547,819	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(July, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	958,454	951,543	871,781	45,653
石 油 系 燃 料 (原 油 換 算)	〃	76,736	73,186	46,410	106
ガ ソ リ ン	〃	6	7	...	...
灯 油	〃	464	465	157	-
軽 油	〃	316	306	4	10
重 油 計	〃	52,524	50,475	32,465	96
A 重 油	〃	4,546	4,410	3,895	96
B・C 重 油	〃	47,978	46,065	28,570	-
炭 化 水 素 油	〃	4,998	5,007	3,828	-
液 化 石 油 ガ ス	t	1,907	2,060	499	-
オ イ ル コ ー ク ス	〃	11,113	9,390	7,428	-
ア ス フ ェ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,305	2,244	471	-
非 石 油 系 燃 料 (原 油 換 算)	kl	881,718	878,357	825,371	45,546
石 炭	t	473,791	465,736	465,736	-
炭 コ ー ク ス	〃	-	488	-	-
天 然 ガ ス	1000m ³	5,909	5,909	1,253	4,504
液 化 天 然 ガ ス	t	9,403	9,493	5,282	3,083
都 市 ガ ス (A)	1000m ³	62,328	62,328	26,406	31,483
都 市 ガ ス (B)	〃	67,239	67,235	28,272	34,126
回 収 黒 液 材	絶乾(Dry)t	925,853	925,708	925,708	-
廃 タ イ ヤ	t	190,449	193,645	193,248	-
廃 プ ラ ス チ ッ ク	t	24,763	26,482	26,482	-
廃 R P F	〃	2,085	2,068	2,068	-
R P F	〃	55,615	53,830	53,830	-

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	137,178	163,456	115,215	36,896
石 油 系 燃 料 (原 油 換 算)	〃	21,557	32,857	27,856	733
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	165	170	39	-
軽 油	〃	19	20	-	13
重 油 計	〃	9,160	9,539	5,370	717
A 重 油	〃	1,980	1,779	620	717
B・C 重 油	〃	7,180	7,760	4,750	-
炭 化 水 素 油	〃	16	16	16	-
液 化 石 油 ガ ス	t	371	373	35	-
オ イ ル コ ー ク ス	〃	12,942	25,572	25,572	-
ア ス フ ェ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	115,621	130,599	87,359	36,163
石 炭	t	96,316	118,530	118,530	-
液 化 天 然 ガ ス	〃	1,089	1,088	855	205
都 市 ガ ス (A)	1000m ³	42,522	42,522	5,648	30,791
都 市 ガ ス (B)	〃	46,256	46,254	5,849	33,778
廃 プ ラ ス チ ッ ク	t	-	-	-	-
廃 R P F	〃	-	-	-	-

(令和3年7月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
34,110	29,929	4,180	12,062	506,543	Total (Crude petroleum equivalent)
26,670	23,627	3,043	2,112	82,780	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	1	Gasoline
308	256	52	26	924	Kerosene
292	2	290	12	24	Gas oils
17,914	16,702	1,212	1,931	66,079	Heavy Fuel oil total
419	366	53	134	6,461	Heavy Fuel oil A
17,495	16,336	1,159	1,797	59,618	Heavy Fuel oil B・C
1,179	1,173	6	-	5,136	Hydrocarbon oil
1,561	915	646	-	316	Liquefied petroleum gas
1,962	1,415	547	-	3,581	Petroleum coke
-	-	-	-	-	Asphalt
1,773	1,691	82	-	2,115	Reproduction oil (Oil origin)
7,439	6,302	1,137	9,950	423,763	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	14,754	554,121	Coal
488	-	488	-	766	Coal coke
152	135	17	-	...	Natural gas
1,128	1,023	105	-	746	Liquefied natural gas
4,439	3,925	514	...	...	Town gas(A)
4,837	4,277	560	...	...	Town gas(B)
-	-	-	-	3,291	Black liquor
397	375	22	-	42,223	Waste material
-	-	-	-	17,101	Used tires
-	-	-	-	35	Waste plastic
-	-	-	-	20,018	Refuse Paper & Plastic Fuel
11,345	6,416	4,930	-	153,661	Total (Crude petroleum equivalent)
4,268	2,186	2,081	-	93,318	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
131	14	117	-	81	Kerosene
7	-	7	-	10	Gas oils
3,452	1,907	1,545	-	21,231	Heavy Fuel oil total
442	163	279	-	5,995	Heavy Fuel oil A
3,010	1,744	1,266	-	15,236	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
338	97	241	-	84	Liquefied petroleum gas
-	-	-	-	82,096	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,078	4,229	2,848	-	60,343	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	88,960	Coal
28	28	-	-	245	Liquefied natural gas
6,083	3,647	2,436	...	...	Town gas(A)
6,627	3,945	2,682	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(July, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	25,937	1,087,580	302,774	155,951
石 油 系 燃 料 (原 油 換 算)	"	-	1,032,862	278,869	148,869
ガ ソ リ ン	"	...	17	...	...
ナ フ サ	"	...	8,231	-	215
灯 油	"	...	11,852	59	11,444
軽 油	"	...	57	-	-
重 油 計	"	...	126,427	100,201	1,811
A 重 油	"	...	9,212	4,834	143
B・C 重 油	"	...	117,215	95,367	1,668
炭 化 水 素 油	"	...	4,542	4,542	-
液 化 石 油 ガ ス	t	...	24,685	530	10,816
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	587,641	101,614	65,256
オ イ ル コ ー ク ス	t	...	31,106	31,106	-
ア ス フ ェ ル ト	"	...	39,512	4,733	34,779
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	25,937	54,718	23,905	7,081
石 炭	t	-	32,929	32,929	-
天 然 ガ ス	1000m ³	-	5,985	288	-
液 化 天 然 ガ ス	t	18,122	18,122	750	5,010
都 市 ガ ス (A)	1000m ³	278	278	276	-
都 市 ガ ス (B)	"	304	304	302	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	33,400	33,851	300	2,678
石 油 系 燃 料 (原 油 換 算)	"	4,165	4,621	2	19
ガ ソ リ ン	"	-	-	...	...
灯 油	"	4	5	2	-
軽 油	"	3	2	-	-
重 油 計	"	3,436	3,841	-	19
A 重 油	"	236	246	-	19
B・C 重 油	"	3,200	3,595	-	-
液 化 石 油 ガ ス	t	51	51	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	384	402	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,235	29,230	298	2,659
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,787	5,784	23	378
都 市 ガ ス (A)	1000m ³	18,281	18,281	230	1,827
都 市 ガ ス (B)	"	19,826	19,826	250	2,000
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年7月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
628,855	78,679	514,431	35,745	Total (Crude petroleum equivalent)
605,123	65,876	505,191	34,057	Oil based fuels (Crude petroleum equivalent)
17	...	...	17	Gasoline
8,016	5,670	2,346	-	Naphtha
349	-	32	317	Kerosene
57	-	-	57	Gas oils
24,415	-	19,264	5,151	Heavy Fuel oil total
4,235	-	4,141	94	Heavy Fuel oil A
20,180	-	15,123	5,057	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
13,339	9,163	4,175	1	Liquefied petroleum gas
420,771	37,285	362,141	21,345	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
23,731	12,803	9,240	1,689	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,697	1,920	3,429	348	Natural gas
12,362	7,566	3,873	923	Liquefied natural gas
2	-	-	2	Town gas(A)
2	-	-	2	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
30,873	30,255	618	17	3,393	Total (Crude petroleum equivalent)
4,600	4,582	17	17	3,363	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
3	3	-	-	62	Kerosene
2	1	1	1	-	Gas oils
3,822	3,806	16	16	2,959	Heavy Fuel oil total
227	211	16	16	876	Heavy Fuel oil A
3,595	3,595	-	-	2,083	Heavy Fuel oil B・C
51	51	-	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
402	402	-	-	150	Reproduction oil (Oil origin)
26,273	25,673	601	-	30	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,383	5,383	-	-	21	Liquefied natural gas
16,224	15,705	519	...	...	Town gas(A)
17,575	17,009	565	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(July, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,091,417	585,221	5,675,014 5,098,905	652,648	101,283
石油系燃料（原油換算）	"	3,970,493	-	4,450,301	254,383	50,608
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ リ ン	"	19	...	19	...	...
ナ フ サ	"	2,370,449	...	2,342,935	-	-
改 質 生 成 油	"	1,176,237	...	1,176,265	...	...
灯 油	"	64,203	...	64,127	129	1,759
軽 油	"	16,793	...	16,384	-	-
重 油	"	91,360	...	90,778	43,952	707
A 重 油	"	5,376	...	5,092	2,616	707
B・C 重 油	"	85,984	...	85,686	41,336	-
炭 化 水 素 油	"	9,063	...	86,297	59,945	-
液 化 石 油 ガ ス	t	424,421	...	386,435	2,046	4,447
石油系炭化水素ガス（注2）	1000m ³	16,892	...	397,908	47,733	32,236
オ イ ル コ ー ク ス	t	172,408	...	139,602	90,427	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,712	-	1,712	1,602	-
非石油系燃料（原油換算）	kl	1,120,924	585,221	1,224,714	398,265	50,674
石 炭 コ ー ク ス	t	1,306,082	-	1,403,575	499,080	-
タ ー ク ス	"	8,935	594,692	9,958	...	-
コ ー ク ス 炉 ガ ス	1000m ³	14,533	8,692	13,264	-	-
高 炉 ガ ス	"	5,826	232,767	99,039	3,006	-
転 炉 ガ ス	"	106,361	-	106,361	-	-
天 然 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	33,023	4,648	36,869	14,195	11,559
都 市 ガ ス （ A ）	t	75,747	...	63,023	13,063	13,435
都 市 ガ ス （ B ）	1000m ³	41,450	...	41,450	10,483	17,732
廃 タ イ ヤ	t	43,267	...	43,266	11,270	17,882
廃 プ ラ ス チ ック	t	16,092	-	15,319	15,319	-
廃 R P F	"	3,286	5,292	8,603	-	-
	"	1,346	-	1,346	1,346	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	757,224	-	765,718 765,718	309,961	8,160
石油系燃料（原油換算）	"	117,682	-	148,598	16,330	1,226
ガ ソ リ ン	"	26	...	27	...	...
灯 油	"	1,451	...	1,470	81	-
軽 油	"	1,118	...	1,112	-	-
重 油	"	31,254	...	33,915	1,091	1,135
A 重 油	"	2,578	...	2,172	563	-
B・C 重 油	"	28,676	...	31,743	528	1,135
炭 化 水 素 油	"	18,693	...	18,290	-	-
液 化 石 油 ガ ス	t	2,137	...	2,087	-	-
オ イ ル コ ー ク ス	"	37,198	...	70,162	17,569	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	26,504	-	26,615	-	-
非石油系燃料（原油換算）	kl	639,542	-	617,121	293,631	6,934
石 炭 コ ー ク ス	t	827,656	...	796,674	430,257	-
タ ー ク ス	"	18,779	-	15,997	-	-
コ ー ク ス 炉 ガ ス	1000m ³	24,347	-	24,347	-	-
高 炉 ガ ス	"	1,227	-	1,227	-	-
転 炉 ガ ス	"	17,812	-	17,812	-	-
電 気 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	10,412	-	10,412	2,838	6,314
液 化 天 然 ガ ス	t	43	-	43	-	-
都 市 ガ ス （ A ）	1000m ³	7,608	...	7,608	321	-
都 市 ガ ス （ B ）	"	8,249	...	8,249	321	-
廃 タ イ ヤ	材 絶乾(Dry) t	184	-	184	-	-
廃 プ ラ ス チ ック	t	4,880	-	5,397	-	-
廃 R P F	"	31,638	-	31,968	-	-
	"	3,004	-	2,809	-	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年7月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
4,921,084	4,273,715	600,129	47,240	616,548	2,474,246	Total (Crude petroleum equivalent) (Net)
4,145,309	3,653,441	450,437	41,431	61,413	1,021,789	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	-	30	NGL・condensate
19	...	...	19	-	3	Gasoline
2,342,935	2,340,968	-	1,967	5,505	639,609	Naphtha
1,176,265	1,176,265	...	...	6,902	6,239	Oil produced by conversion
62,239	59,000	2,180	1,059	-	7,475	Kerosene
16,384	16,076	-	308	-	9,950	Gas oils
46,119	34,977	9,007	2,135	76	61,189	Heavy Fuel oil total
1,769	-	1,039	730	76	6,734	Heavy Fuel oil A
44,350	34,977	7,968	1,405	-	54,455	Heavy Fuel oil B・C
26,352	17,079	9,209	64	...	...	Hydrocarbon oil
379,942	343,329	19,129	17,484	39,078	86,838	Liquefied petroleum gas
317,939	925	306,818	10,196	...	...	Hydrocarbon gas
49,175	49,137	-	38	-	314,869	Petroleum coke
-	-	-	-	-	-	Asphalt
110	-	110	-	-	-	Reproduction oil (Oil origin)
775,775	620,274	149,692	5,809	555,135	1,452,457	Non-oil based fuels (Crude petroleum equivalent)
904,495	842,707	60,498	1,290	15,078	1,759,646	Coal
9,958	8,194	1,764	-	597,366	318,421	Coal coke
13,264	13,264	-	-	5,433	24,401	Tar
96,033	156	95,227	650	139,553	...	Coke oven gas
106,361	-	106,361	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
11,115	4,715	4,993	1,407	906	...	Natural gas
36,525	15,836	20,645	44	12,660	184	Liquefied natural gas
13,235	...	10,640	2,595	...	...	Town gas(A)
14,114	...	11,298	2,816	...	...	Town gas(B)
-	-	-	-	-	3,423	Used tires
8,603	7,092	1,511	-	-	520	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
447,597	8,557	430,755	8,285	2,634	787,429	Total (Crude petroleum equivalent) (Net)
131,042	4,171	122,306	4,565	2,606	180,518	Oil based fuels (Crude petroleum equivalent)
27	...	...	27	-	-	Gasoline
1,389	-	1,337	52	-	526	Kerosene
1,112	-	246	866	8	125	Gas oils
31,689	-	29,720	1,969	-	43,206	Heavy Fuel oil total
1,609	-	1,233	376	-	5,524	Heavy Fuel oil A
30,080	-	28,487	1,593	-	37,682	Heavy Fuel oil B・C
18,290	-	18,290	-	370	2,950	Hydrocarbon oil
2,087	-	2,005	82	-	194	Liquefied petroleum gas
52,593	4,847	47,745	1	2,575	144,123	Petroleum coke
-	-	-	-	-	-	Asphalt
26,615	-	25,234	1,381	-	6,096	Reproduction oil (Oil origin)
316,556	4,386	308,450	3,720	28	606,911	Non-oil based fuels (Crude petroleum equivalent)
366,417	780	365,071	566	30	862,917	Coal
15,997	5,151	10,846	-	11	17,406	Coal coke
24,347	-	24,347	-	-	...	Coke oven gas
1,227	-	1,227	-	-	...	Blast furnace gas
17,812	-	17,812	-	-	...	Converter furnace gas
-	-	-	-	-	...	Electric furnaces gas
1,260	-	1,260	-	-	...	Natural gas
43	-	8	35	-	-	Liquefied natural gas
7,287	...	4,374	2,913	...	...	Town gas(A)
7,928	...	4,831	3,097	...	...	Town gas(B)
184	-	184	-	-	-	Waste material
5,397	-	5,397	-	-	6,045	Used tires
31,968	-	31,968	-	-	8,550	Waste plastic
2,809	-	2,809	-	-	347	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(July, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,821,703	3,043,961	6,676,077	586,839	11,016
（ネット）	〃	-	-	3,633,496	-	-
石油系燃料（原油換算）	〃	129,822	-	95,308	14,527	4,089
ガソリン	〃	145	…	138	…	…
灯油	〃	7,260	…	7,117	164	-
軽油	〃	2,069	…	2,046	-	-
重油計	〃	27,578	…	28,565	9,650	3,796
A重油	〃	14,359	…	13,984	3,423	145
B・C重油	〃	13,219	…	14,581	6,227	3,651
炭化水素油	〃	4,340	…	7,750	-	-
液化石油ガス	t	15,869	…	17,320	3,249	-
石油系炭化水素ガス	1000m ³	5	…	5	-	-
オイルコークス	t	77,847	…	30,375	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	77	-	77	-	-
非石油系燃料（原油換算）	kl	4,691,881	3,043,961	6,580,770	572,312	6,927
コークス製造用炭（原料炭）	t	3,641,202	…	3,193,699	-	-
石炭	〃	1,526,518	…	1,283,507	335,566	-
石炭コークス	〃	593,510	1,979,343	2,411,917	…	-
ターナル	〃	4,659	59,294	8,321	-	-
コークス炉ガス	1000m ³	137,278	876,071	789,743	107,099	-
高炉ガス	〃	135,670	9,569,216	6,420,645	2,318,524	-
転炉ガス	〃	5,844	562,979	385,343	118,303	-
電気炉ガス	〃	-	9,779	7,806	7,111	-
天然ガス	〃	1,785	-	1,778	227	-
液化天然ガス	t	36,365	…	31,042	1,978	1,655
都市ガス（A）	1000m ³	178,105	…	178,105	38,542	3,973
都市ガス（B）	〃	194,557	…	194,548	42,118	4,320
酸素	1000Nm ³	701,062	199,142	844,562	…	-
廃材	絶乾(Dry)t	2,653	-	2,653	2,653	-
廃タイヤ	t	32	-	32	-	-
廃プラスチック	〃	23,833	1,821	19,276	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年7月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,078,222	2,255,685	3,725,031	97,506	1,084,734	5,665,882	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
76,691	21,253	45,455	9,983	9,807	264,147	Oil based fuels (Crude petroleum equivalent)
138	...	5	133	4	20	Gasoline
6,953	...	5,672	1,281	96	3,482	Kerosene
2,046	...	18	2,028	12	128	Gas oils
15,119	-	14,694	425	1,059	47,608	Heavy Fuel oil total
10,416	...	10,089	327	597	21,256	Heavy Fuel oil A
4,703	-	4,605	98	462	26,352	Heavy Fuel oil B・C
7,750	7,750	-	-	-	3,879	Hydrocarbon oil
14,071	-	9,257	4,814	135	19,933	Liquefied petroleum gas
5	-	5	-	...	...	Hydrocarbon gas
30,375	15,390	14,985	-	9,794	209,626	Petroleum coke
-	-	-	-	-	-	Asphalt
77	-	77	-	-	674	Reproduction oil (Oil origin)
6,001,531	2,234,432	3,679,576	87,523	1,074,927	5,401,735	Non-oil based fuels (Crude petroleum equivalent)
3,193,699	2,885,835	307,784	80	227,982	3,956,685	Coal for making coke (material coal)
947,941	56,794	891,044	103	348,742	1,645,585	Coal
2,411,917	30,277	2,377,282	4,358	227,877	1,653,730	Coal coke
8,321	8,321	-	-	54,652	16,627	Tar
682,644	438	646,700	35,506	206,364	...	Coke oven gas
4,102,121	-	3,748,725	353,396	3,150,235	...	Blast furnace gas
267,040	-	245,826	21,214	162,772	...	Converter furnace gas
695	-	695	-	1,973	...	Electric furnaces gas
1,551	-	1,496	55	-	21	Natural gas
27,409	-	24,385	3,024	1,600	44,876	Liquefied natural gas
135,590	...	128,463	7,127	...	...	Town gas(A)
148,110	...	140,313	7,797	...	...	Town gas(B)
844,562	-	767,894	76,668	34,293	1,282	Oxygen
-	-	-	-	-	-	Waste material
32	32	-	-	-	851	Used tires
19,276	13,352	3,789	2,135	4,175	23,134	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(July, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	38,797	47,736	2,433	21
石 油 系 燃 料 (原 油 換 算)	"	20,192	20,989	673	21
ガ ソ リ ン	"	5	5	...	...
灯 油	"	1,480	1,483	43	-
軽 油	"	279	286	-	-
重 油	"	9,380	10,024	617	20
A 重 油	"	3,897	4,082	459	4
B・C 重 油	"	5,483	5,942	158	16
炭 化 水 素 油	"	3,711	3,741	-	-
液 化 石 油 ガ ス	t	561	560	-	-
オ イ ル コ ー ク ス	"	755	740	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	3,337	3,423	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	18,605	26,746	1,760	-
石 炭	t	774	4,491	-	-
石 炭	"	12,396	14,597	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	42,997	15,801	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,221	2,234	112	-
都 市 ガ ス (A)	1000m ³	5,089	5,089	123	-
都 市 ガ ス (B)	"	5,325	5,325	136	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	158,571	159,096	18,538	69,531
石 油 系 燃 料 (原 油 換 算)	"	20,005	20,521	3,446	320
ガ ソ リ ン	"	4,312	4,348	...	...
灯 油	"	2,666	2,683	576	-
軽 油	"	2,357	2,419	-	37
重 油	"	3,343	3,797	1,358	282
A 重 油	"	3,343	3,797	1,358	282
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	-	-	-	-
液 化 石 油 ガ ス	t	6,251	6,213	1,187	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	138,566	138,576	15,092	69,212
石 炭	t	-	-	-	-
石 炭	"	723	708	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	3,657	3,657	345	2,787
液 化 天 然 ガ ス	t	8,232	8,247	567	4,377
都 市 ガ ス (A)	1000m ³	105,409	105,409	12,015	51,620
都 市 ガ ス (B)	"	115,227	115,227	13,099	56,463
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年7月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
45,282	42,501	2,781	27,093	Total (Crude petroleum equivalent)
20,295	18,806	1,489	8,894	Oil based fuels (Crude petroleum equivalent)
5	...	5	2	Gasoline
1,440	1,201	239	508	Kerosene
286	3	283	24	Gas oils
9,387	9,251	136	6,060	Heavy Fuel oil total
3,619	3,491	128	2,320	Heavy Fuel oil A
5,768	5,760	8	3,740	Heavy Fuel oil B・C
3,741	3,189	552	938	Hydrocarbon oil
560	459	101	63	Liquefied petroleum gas
740	740	-	60	Petroleum coke
-	-	-	-	Asphalt
3,423	3,285	138	881	Reproduction oil (Oil origin)
24,986	23,695	1,291	18,199	Non-oil based fuels (Crude petroleum equivalent)
4,491	4,491	-	17,229	Coal
14,597	13,283	1,314	8,601	Coal coke
-	-	-	...	Coke oven gas
27,196	27,196	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
-	-	-	...	Natural gas
2,122	1,905	217	95	Liquefied natural gas
4,966	4,966	-	...	Town gas(A)
5,189	5,189	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
71,027	39,928	31,100	19,199	Total (Crude petroleum equivalent)
16,755	5,515	11,240	18,486	Oil based fuels (Crude petroleum equivalent)
4,348	...	4,348	1,675	Gasoline
2,107	1,343	764	5,008	Kerosene
2,382	6	2,376	1,374	Gas oils
2,157	588	1,569	9,042	Heavy Fuel oil total
2,157	588	1,569	8,905	Heavy Fuel oil A
-	-	-	137	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
5,026	2,820	2,206	1,443	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
54,272	34,413	19,859	712	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
708	708	-	47	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
525	497	28	...	Natural gas
3,303	2,688	615	479	Liquefied natural gas
41,774	25,461	16,313	...	Town gas(A)
45,664	27,812	17,852	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(July, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,772,261	8,996,103	8,776,158	6,474,566	1,404,309
事業所重複分補正量	1,112,041	238,266	873,775	804,021	29,521
パルプ・紙・板紙工業	2,346,993	352,658	1,994,335	1,820,199	145,515
化学工業	3,519,043	1,468,450	2,050,593	1,596,921	285,229
化学繊維工業	567,101	196,104	370,997	254,030	115,932
石油製品工業	1,435,228	214,434	1,220,794	667,921	538,314
窯業・土石製品工業	1,549,448	350,576	1,198,872	1,071,729	25,668
ガラス製品工業	111,816	98,930	12,886	-	8,492
鉄鋼業(注2)	6,268,684	3,891,935	2,376,749	1,864,654	44,976
非鉄金属地金工業	447,202	299,851	147,351	3,083	79
機械工業	2,638,787	2,361,431	277,356	50	269,625

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	41,862,805	2,977,880	38,884,925	31,529,135	2,198,447
事業所重複分補正量	3,217,942	41,016	3,176,926	3,113,782	43,413
パルプ・紙・板紙工業	12,427,434	50,828	12,376,606	12,016,655	301,714
化学工業	13,216,630	2,105,170	11,111,460	8,723,772	641,707
化学繊維工業	1,815,937	96,394	1,719,543	1,513,715	197,624
石油製品工業	6,439,423	374,181	6,065,242	4,344,047	1,022,294
窯業・土石製品工業	4,224,125	6,841	4,217,284	3,907,537	45,047
ガラス製品工業	10,667	-	10,667	3,821	6,846
鉄鋼業	6,623,502	350,173	6,273,329	4,104,422	26,569
非鉄金属地金工業	323,029	35,309	287,720	28,948	59

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年7月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
214,193	683,090	15,413,982	2,358,279	Total
37,808	2,425	999,376	112,665	Duplication adjustment
22,653	5,968	2,052,268	294,725	Pulp,Paper,Paperboard industry
76,438	92,005	3,071,517	447,526	Chemical products industry
-	1,035	492,275	74,826	Chemical fibers products industry
...	14,559	887,201	548,027	Petroleum products industry
37,808	63,667	1,322,859	226,589	Ceramics,clay and stone products industry
4,386	8	111,777	39	Glass products industry
87	467,032	5,419,342	849,342	Iron and steel products industry
	(炉頂圧) 237,900			
110,629	33,560	420,923	26,279	Non-ferrous metals products industry
...	7,681	2,635,196	3,591	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,157,343	39,995,575	17,957,586	19,275,332	2,762,657	1,867,230	Total
19,731	3,136,546	857,667	2,278,403	476	81,396	Duplication adjustment
58,237	12,350,861	5,026,369	7,016,869	307,623	76,573	Pulp,Paper,Paperboard industry
1,745,981	12,004,215	7,104,861	4,343,986	555,368	1,212,415	Chemical products industry
8,204	1,795,331	841,229	919,481	34,621	20,606	Chemical fibers products industry
698,901	6,107,802	3,295,139	2,413,715	398,948	331,621	Petroleum products industry
264,700	4,135,388	693,912	3,388,278	53,198	88,737	Ceramics,clay and stone products industry
-	10,667	9,447	-	1,220	-	Glass products industry
2,142,338	6,405,145	1,727,589	3,440,355	1,237,201	218,357	Iron and steel products industry
258,713	322,712	116,707	31,051	174,954	317	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(July, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維工 業
		パルプ・紙・板紙工業	Pulp, paper, paperboard				その他の紙製品 Other paper products	その他の製品 Others	
			パルプ・紙・板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	572,448	561,538	187,766	237,068	136,704	2,796	8,114	115,285
石 油 系 燃 料 (原 油 換 算)	〃	26,670	25,789	22,468	3,156	165	659	222	4,268
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	308	263	21	240	2	27	18	131
軽 油	〃	292	263	157	58	48	6	23	7
重 油 計	〃	17,914	17,172	16,521	565	86	578	164	3,452
A 重 油	〃	419	252	1	167	84	3	164	442
B・C 重 油	〃	17,495	16,920	16,520	398	2	575	-	3,010
炭 化 水 素 油	〃	1,179	1,179	1,179	-	-	-	-	-
液 化 石 油 ガ ス	t	1,561	1,546	8	1,519	19	3	12	338
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	1,962	1,962	1,671	291	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,773	1,773	1,715	53	5	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,439	7,257	1,529	4,932	796	68	115	7,078
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	488	488	488	-	-	-	-	-
天 然 ガ ス	1000m ³	152	152	-	152	-	-	-	-
液 化 天 然 ガ ス	t	1,128	1,128	699	256	173	-	-	28
都 市 ガ ス (A)	1000m ³	4,439	4,274	-	3,808	466	59	106	6,083
都 市 ガ ス (B) (注 2)	〃	4,838	4,665	-	4,146	519	64	108	6,627
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	397	397	397	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,052,268	1,971,013	552,552	926,878	491,583	12,747	68,508	492,275
蒸 気	t	5,026,369	4,993,265	1,625,661	2,065,343	1,302,261	12,780	20,324	841,229

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	882,371	861,298	294,183	377,540	189,575	3,306	17,766	170,339
石 油 系 燃 料 (原 油 換 算)	〃	67,244	65,115	35,222	24,304	5,589	735	1,393	31,485
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	444	395	70	293	32	29	20	170
軽 油	〃	304	266	157	58	51	6	31	19
重 油 計	〃	46,612	45,115	24,343	15,716	5,056	599	898	8,868
A 重 油	〃	3,844	3,408	178	2,558	672	23	413	1,464
B・C 重 油	〃	42,767	41,707	24,165	13,158	4,384	575	484	7,404
炭 化 水 素 油	〃	4,703	4,361	2,589	1,772	-	-	342	14
液 化 石 油 ガ ス	t	2,060	2,004	8	1,977	19	44	12	373
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	7,718	7,718	4,711	3,007	-	-	-	24,795
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,208	2,175	1,906	198	71	-	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	776,989	760,089	254,976	332,549	172,564	1,561	15,338	113,949
石 炭	t	398,794	398,148	131,498	177,387	89,263	365	281	106,402
石 炭 コ ー ク ス	〃	488	488	488	-	-	-	-	-
天 然 ガ ス	1000m ³	5,799	5,799	1,658	3,635	506	-	-	-
液 化 天 然 ガ ス	t	8,099	7,858	699	1,031	6,128	240	-	990
都 市 ガ ス (A)	1000m ³	57,993	53,320	248	17,027	36,045	751	3,923	35,353
都 市 ガ ス (B) (注 2)	〃	62,513	57,474	271	17,963	39,240	761	4,277	38,409
回 収 黒 液	絶乾(Dry)t	855,514	834,914	375,536	416,731	42,647	294	20,306	-
廃 材	〃	156,052	152,853	36,678	48,951	67,224	140	3,059	-
廃 タ イ ヤ	t	23,137	21,976	7,900	8,867	5,209	-	1,160	-
廃 プ ラ ス チ ッ ク	〃	1,891	1,886	680	1,043	163	-	4	-
R P F	〃	46,879	45,265	10,588	17,142	17,535	3	1,611	-
電 力	1000kWh	372,224	352,670	42,841	190,089	119,740	8,434	11,121	196,104
蒸 気	t	50,828	47,566	-	43,467	4,099	3,262	-	96,394

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年7月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
36,846	789	77,650	939,150	931,761	7,389	41,924	40,805	1,119	Total (Crude petroleum equivalent)
1,061	10	3,197	605,123	605,039	84	4,600	4,531	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	8,016	8,016	-	-	-	-	Naphtha
62	-	69	349	345	4	3	1	2	Kerosene
2	-	5	57	12	45	2	2	-	Gas oils
922	-	2,530	24,415	24,415	-	3,822	3,756	66	Heavy Fuel oil total
92	-	350	4,235	4,235	-	227	161	66	Heavy Fuel oil A
830	-	2,180	20,180	20,180	-	3,595	3,595	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
8	8	322	13,339	13,339	-	51	51	-	Liquefied petroleum gas
-	-	-	420,771	420,746	25	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
458	11	6,609	23,731	23,731	-	26,273	26,109	164	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,697	5,697	-	-	-	-	Natural gas
28	-	-	12,362	12,362	-	5,383	5,383	-	Liquefied natural gas
361	9	5,713	2	2	-	16,224	16,083	141	Town gas(A)
394	10	6,223	2	2	-	17,575	17,421	154	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
136,075	5,131	351,069	887,201	816,675	70,526	111,777	102,243	9,534	Electricity
327,969	4,208	509,052	3,295,139	3,284,380	10,759	9,447	9,447	-	Steam
46,086	930	123,324	1,006,664	991,378	15,286	43,243	42,124	1,119	Total (Crude petroleum equivalent)
10,266	243	20,975	908,404	894,604	13,799	4,621	4,552	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	17	13	4	-	-	-	Gasoline
-	-	-	8,160	8,140	20	-	-	-	Naphtha
62	-	108	9,551	9,021	530	5	3	2	Kerosene
3	-	16	57	12	45	2	2	-	Gas oils
3,678	82	5,108	100,445	98,427	2,018	3,841	3,775	66	Heavy Fuel oil total
293	67	1,105	9,140	9,093	47	246	180	66	Heavy Fuel oil A
3,386	15	4,003	91,305	89,334	1,971	3,595	3,595	-	Heavy Fuel oil B・C
12	-	2	492	492	-	-	-	-	Hydrocarbon oil
8	8	357	21,449	20,646	803	51	51	-	Liquefied petroleum gas
-	-	-	541,733	537,116	4,616	-	-	-	Hydrocarbon gas
7,240	174	17,381	18,868	18,165	703	-	-	-	Petroleum coke
-	-	-	25,230	22,007	3,223	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
21,845	98	92,006	52,449	52,217	231	29,016	28,852	164	Non-oil based fuels (Crude petroleum equivalent)
22,889	-	83,512	31,831	31,640	191	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,967	5,967	-	-	-	-	Natural gas
756	-	234	17,054	17,054	-	5,658	5,658	-	Liquefied natural gas
4,619	86	30,648	278	190	88	18,250	18,109	141	Town gas(A)
5,028	93	33,288	304	208	96	19,791	19,636	154	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
88,903	4,320	102,881	214,434	207,269	7,165	103,277	93,743	9,534	Electricity
82,535	2,689	11,170	374,181	365,668	8,513	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(July, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	5,697,906	4,704,704	4,522,039	3,604,145	917,894
石 油 系 燃 料 (原 油 換 算)	"	4,145,309	4,084,153	4,045,346	3,600,457	444,889
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	19	2	2	...	2
ナフサ	"	2,342,935	2,331,199	2,331,199	2,331,199	-
改質生成油	"	1,176,265	1,176,265	1,176,265	1,176,265	...
灯油	"	62,239	58,848	58,848	58,631	217
軽油	"	16,384	16,051	16,051	16,050	1
重油	"	46,119	36,852	36,852	34,848	2,004
A重油	"	1,769	554	554	-	554
B・C重油	"	44,350	36,298	36,298	34,848	1,450
炭化水素油	"	26,352	22,296	22,296	15,841	6,455
液化石油ガス	t	379,942	362,858	362,823	343,391	19,432
石油系炭化水素ガス	1000m ³	317,939	315,458	312,151	479	311,672
オイルコークス	t	49,175	39,985	3	3	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	110	-	-	-	-
非石油系燃料(原油換算)	kl	775,776	57,955	25,399	3,688	21,711
石炭	t	904,495	11	-	-	-
石炭コークス	"	9,958	1,009	-	...	-
タール	"	13,264	-	-	-	-
コークス炉ガス	1000m ³	96,033	1,243	186	-	186
高転炉ガス	"	106,361	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	11,115	3,349	3,211	-	3,211
液化天然ガス	t	36,525	28,560	11,451	2,609	8,842
都市ガス(A)	1000m ³	13,235	7,441	4,836	...	4,836
都市ガス(B)	"	14,114	7,992	5,263	...	5,263
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	8,603	5,292	-	-	-
RPF	"	-	-	-	-	-
電蒸	力気	3,071,517	1,967,989	1,072,911	...	1,072,911
蒸気	t	7,104,861	5,490,729	5,085,093	...	5,085,093

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	5,797,160	4,710,428	4,477,204	3,604,145	873,060
石 油 系 燃 料 (原 油 換 算)	"	4,340,925	4,239,149	4,186,668	3,600,457	586,211
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	19	2	2	...	2
ナフサ	"	2,342,935	2,331,199	2,331,199	2,331,199	-
改質生成油	"	1,176,265	1,176,265	1,176,265	1,176,265	-
灯油	"	64,064	60,671	60,671	58,631	2,040
軽油	"	16,384	16,051	16,051	16,050	1
重油	"	77,915	62,895	61,480	34,848	26,632
A重油	"	4,197	1,696	1,201	-	1,201
B・C重油	"	73,718	61,199	60,278	34,848	25,430
炭化水素油	"	67,673	61,548	61,429	15,841	45,588
液化石油ガス	t	383,357	366,225	366,163	343,391	22,772
石油系炭化水素ガス	1000m ³	376,543	359,449	353,193	479	352,714
オイルコークス	t	88,352	64,002	14,562	3	14,559
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	1,712	1,602	1,602	-	1,602
非石油系燃料(原油換算)	kl	1,167,421	255,274	121,663	3,688	117,975
石炭	t	1,336,548	193,182	63,610	-	63,610
石炭コークス	"	9,958	1,009	-	-	-
タール	"	13,264	-	-	-	-
コークス炉ガス	1000m ³	99,032	2,031	405	-	405
高転炉ガス	"	106,361	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	36,557	12,185	6,272	-	6,272
液化天然ガス	t	56,900	46,409	26,334	2,609	23,725
都市ガス(A)	1000m ³	39,578	24,904	19,773	-	19,773
都市ガス(B)	"	41,246	25,468	20,062	-	20,062
廃プラスチック	t	14,220	14,220	14,220	-	14,220
廃プラスチック	"	8,603	5,292	-	-	-
RPF	"	1,346	1,346	1,346	-	1,346
電蒸	力気	1,540,481	1,017,530	561,974	-	561,974
蒸気	t	2,105,170	1,755,627	1,686,850	-	1,686,850

(令和3年7月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
92,058	56,426	35,632	90,607	993,202	Total	(Crude petroleum equivalent)
38,806	34,403	4,403	-	61,157	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum	
-	-	-	-	-	Natural gas liquids	
-	...	-	-	-	Gasoline	17
-	-	-	-	-	Naphtha	11,736
-	...	...	...	...	Oil produced by conversion	-
-	-	-	-	-	Kerosene	3,391
-	-	-	-	-	Gas oils	333
-	-	-	-	-	Heavy Fuel oil total	9,267
-	-	-	-	-	Heavy Fuel oil A	1,215
-	-	-	-	-	Heavy Fuel oil B・C	8,052
-	-	-	-	-	Hydrocarbon oil	4,056
35	-	35	-	-	Liquefied petroleum gas	17,084
3,307	-	3,307	-	-	Hydrocarbon gas	2,481
39,982	39,982	-	-	-	Petroleum coke	9,190
-	-	-	-	-	Asphalt	-
-	-	-	-	-	Reproduction oil (Oil origin)	110
31,384	22,023	9,361	1,173	717,821	Non-oil based fuels	(Crude petroleum equivalent)
11	11	-	-	904,484	Coal	
-	...	-	1,009	8,949	Coal coke	
-	-	-	-	13,264	Tar	
1,057	-	1,057	-	94,790	Coke oven gas	
-	-	-	-	106,361	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
-	-	-	138	7,766	Natural gas	
16,968	12,741	4,227	141	7,965	Liquefied natural gas	
2,545	...	2,545	60	5,794	Town gas(A)	
2,667	...	2,667	62	6,123	Town gas(B)	
-	-	-	-	-	Used tires	
5,292	5,292	-	-	3,311	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
75,644	...	75,644	819,434	1,103,528	Electricity	
214,562	...	214,562	191,074	1,614,132	Steam	
95,774	56,426	39,348	137,449	1,086,732	Total	(Crude petroleum equivalent)
45,233	34,403	10,830	7,248	101,777	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum	
-	-	-	-	-	Natural gas liquids	
-	-	-	-	-	Gasoline	17
-	-	-	-	-	Naphtha	11,736
-	-	-	-	-	Oil produced by conversion	-
-	-	-	0	3,392	Kerosene	
-	-	-	-	333	Gas oils	
560	-	560	856	15,020	Heavy Fuel oil total	
53	-	53	441	2,501	Heavy Fuel oil A	
506	-	506	415	12,518	Heavy Fuel oil B・C	
67	-	67	52	6,125	Hydrocarbon oil	
35	-	35	27	17,131	Liquefied petroleum gas	
6,252	-	6,252	4	17,094	Hydrocarbon gas	
42,162	39,982	2,180	7,278	24,350	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	-	110	Reproduction oil (Oil origin)	
44,370	22,023	22,347	89,241	912,148	Non-oil based fuels	(Crude petroleum equivalent)
10,449	11	10,438	119,122	1,143,366	Coal	
-	-	-	1,009	8,949	Coal coke	
-	-	-	-	13,264	Tar	
1,626	-	1,626	-	97,001	Coke oven gas	
-	-	-	-	106,361	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
3,002	-	3,002	2,911	24,373	Natural gas	
18,577	12,741	5,836	1,498	10,491	Liquefied natural gas	
2,615	-	2,615	2,516	14,675	Town gas(A)	
2,740	-	2,740	2,666	15,777	Town gas(B)	
-	-	-	-	-	Used tires	
5,292	5,292	-	-	3,311	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
41,592	-	41,592	413,964	522,951	Electricity	
33,305	-	33,305	35,472	349,543	Steam	

(July, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	618,618	487,352	396,561	341,226	55,336
石油系燃料（原油換算）	〃	131,042	118,972	76,854	75,273	1,581
ガソリン	〃	27	19	12	...	12
灯油	〃	1,389	593	152	134	18
軽油	〃	1,112	604	500	195	305
重油計	〃	31,689	29,746	2,277	1,317	960
A重油	〃	1,609	1,224	472	360	112
B・C重油	〃	30,080	28,522	1,805	957	848
炭化水素油	〃	18,290	18,290	17,472	17,309	163
液化石油ガス	t	2,087	368	-	-	-
オイルコークス	〃	52,593	47,631	41,276	41,276	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	26,615	24,451	19,456	19,401	55
非石油系燃料（原油換算）	kl	316,556	309,059	268,756	265,952	2,803
石炭	t	366,417	364,735	352,410	351,844	566
石炭コークス	〃	15,997	10,091	300	300	-
コークス炉ガス	1000m ³	24,347	24,347	83	-	83
高炉ガス	〃	1,227	1,227	55	-	55
転炉ガス	〃	17,812	17,812	3,027	-	3,027
電気炉ガス	〃	-	-	-	-	-
天然ガス	〃	1,260	1,260	-	-	-
液化天然ガス	t	43	43	-	-	-
都市ガス（A）	1000m ³	7,287	6,492	2,053	506	1,547
都市ガス（B）	〃	7,928	7,069	2,175	554	1,621
廃材	絶乾(Dry)t	184	184	184	184	-
廃タイヤ	t	5,397	5,397	5,397	5,397	-
廃プラスチック	〃	31,968	30,614	29,894	29,894	-
RPF	〃	2,809	2,809	726	726	-
電	力 1000kWh	1,322,859	586,374	513,294	...	513,294
蒸	気 t	693,912	69,073	46,342	...	46,342

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	750,372	538,065	447,836	341,226	106,611
石油系燃料（原油換算）	〃	147,852	135,016	92,140	75,273	16,867
ガソリン	〃	27	19	12	-	12
灯油	〃	1,470	674	152	134	18
軽油	〃	1,112	604	500	195	305
重油計	〃	33,252	30,689	2,566	1,317	1,249
A重油	〃	2,140	1,735	571	360	211
B・C重油	〃	31,113	28,953	1,995	957	1,038
炭化水素油	〃	18,290	18,290	17,472	17,309	163
液化石油ガス	t	2,087	368	-	-	-
オイルコークス	〃	70,124	65,049	58,687	41,276	17,411
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	26,615	24,451	19,456	19,401	55
非石油系燃料（原油換算）	kl	565,918	379,111	338,568	265,952	72,616
石炭	t	720,898	460,061	447,590	351,844	95,746
石炭コークス	〃	15,997	10,091	300	300	-
コークス炉ガス	1000m ³	24,347	24,347	83	-	83
高炉ガス	〃	1,227	1,227	55	-	55
転炉ガス	〃	17,812	17,812	3,027	-	3,027
電気炉ガス	〃	-	-	-	-	-
天然ガス	〃	10,412	6,436	5,119	-	5,119
液化天然ガス	t	43	43	-	-	-
都市ガス（A）	1000m ³	7,523	6,569	2,053	506	1,547
都市ガス（B）	〃	8,157	7,145	2,175	554	1,621
廃材	絶乾(Dry)t	184	184	184	184	-
廃タイヤ	t	5,397	5,397	5,397	5,397	-
廃プラスチック	〃	31,968	30,614	29,894	29,894	-
RPF	〃	2,809	2,809	726	726	-
電	力 1000kWh	388,384	255,397	183,714	-	183,714
蒸	気 t	6,841	2,604	552	-	552

(令和3年7月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		4,246			
	熔解窯用 For dissolving furnaces	その他用 for Others		28,266	24,020	62,525	131,267
						Total (Crude petroleum equivalent)
						Oil based fuels (Crude petroleum equivalent)
						Gasoline
						Kerosene
						Gas oils
						Heavy Fuel oil total
						Heavy Fuel oil A
						Heavy Fuel oil B・C
						Hydrocarbon oil
						Liquefied petroleum gas
						Petroleum coke
						Asphalt
						Reproduction oil (Oil origin)
						Non-oil based fuels (Crude petroleum equivalent)
						Coal
						Coal coke
						Coke oven gas
						Blast furnace gas
						Converter furnace gas
						Electric furnace gas
						Natural gas
						Liquefied natural gas
						Town gas(A)
						Town gas(B)
						Waste material
						Used tires
						Waste plastic
						Refuse Paper & Plastic Fuel
						Electricity
						Steam
						Total (Crude petroleum equivalent)
						Oil based fuels (Crude petroleum equivalent)
						Gasoline
						Kerosene
						Gas oils
						Heavy Fuel oil total
						Heavy Fuel oil A
						Heavy Fuel oil B・C
						Hydrocarbon oil
						Liquefied petroleum gas
						Petroleum coke
						Asphalt
						Reproduction oil (Oil origin)
						Non-oil based fuels (Crude petroleum equivalent)
						Coal
						Coal coke
						Coke oven gas
						Blast furnace gas
						Converter furnace gas
						Electric furnace gas
						Natural gas
						Liquefied natural gas
						Town gas(A)
						Town gas(B)
						Waste material
						Used tires
						Waste plastic
						Refuse Paper & Plastic Fuel
						Electricity
						Steam

(July, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,622,945	5,141,281	340,897	15,619	2,703,406	68,940	299,055	173,455	
石 油 系 燃 料 (原 油 換 算)	〃	95,308	72,765	99	95	15,157	2,571	7,994	6,188	
ガ ソ リ ン	〃	138	47	-	-	-	-	-	-	
灯 油	〃	7,117	7,013	-	-	-	61	676	27	
軽 油	〃	2,046	1,818	-	-	3	58	146	145	
重 油 計	〃	28,565	28,448	-	88	1,766	2,080	1,388	298	
A 重 油	〃	13,984	13,867	-	-	26	303	1,244	298	
B・C 重 油	〃	14,581	14,581	-	88	1,740	1,777	144	-	
炭 化 水 素 油	〃	7,750	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	17,320	16,724	-	-	350	144	4,459	4,419	
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	30,375	14,985	115	-	14,870	-	-	-	
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	77	77	-	-	-	44	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,580,779	4,176,892	306,830	13,589	2,626,727	47,441	143,375	113,490	
コークス製造用炭(原料炭)	t	3,193,699	307,864	-	-	307,784	-	-	-	
石 炭	〃	1,283,507	1,283,507	83,286	8,018	784,133	36,552	35,849	32,604	
石 炭 コ ー ク ス	〃	2,411,917	2,398,730	316,747	9,504	2,023,772	28,364	16,114	4,639	
タ ー ク ル	〃	8,321	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	789,743	633,630	22,315	2,021	82,618	243	29,697	28,365	
高 炉 ガ ス	〃	6,420,645	5,129,978	8,401	-	2,307,085	100	552	507	
転 炉 ガ ス	〃	385,343	332,975	1,447	-	101,099	194	1,539	1,451	
電 気 炉 ガ ス	〃	7,806	7,806	-	-	-	695	-	-	
天 然 ガ ス	〃	1,778	1,774	-	-	-	-	213	-	
液 化 天 然 ガ ス	t	31,042	31,030	-	-	1	139	452	2	
都 市 ガ ス (A)	1000m ³	178,105	172,501	441	-	4,113	140	8,127	2,920	
都 市 ガ ス (B)	〃	194,557	188,424	483	-	4,504	153	8,880	3,205	
酸 素	1000Nm ³	844,562	844,403	...	...	362,503	4,576	437,632	375,239
廃 材	絶乾(Dry)t	2,653	2,653	-	-	-	-	-	-	
廃 タ イ ヤ	t	32	32	-	-	-	-	32	32	
廃 プ ラ ス チ ッ ク	〃	19,276	3,236	-	-	2,810	8	418	418	
R P F	〃	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,419,342	5,057,608	355,075	19,482	432,144	201,428	1,385,092	398,805	
蒸 気	気 t	6,405,145	6,092,875	13,588	1,765	308,486	2,757	272,572	241,295	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,895,680	4,403,999	354,289	17,849	2,738,763	74,154	327,547	196,145
石 油 系 燃 料 (原 油 換 算)	〃	92,730	69,214	1,011	129	17,428	6,372	9,615	7,540
ガ ソ リ ン	〃	138	47	-	-	-	-	-	-
灯 油	〃	7,092	6,988	-	-	-	61	731	27
軽 油	〃	2,046	1,818	-	-	3	58	146	145
重 油 計	〃	26,410	25,909	647	88	3,075	5,578	2,441	1,134
A 重 油	〃	12,312	12,154	56	-	178	404	1,722	560
B・C 重 油	〃	14,098	13,755	591	88	2,897	5,174	719	575
炭 化 水 素 油	〃	7,750	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	17,048	16,018	168	26	1,021	168	4,820	4,780
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	30,375	14,985	115	-	14,870	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	77	77	-	-	-	44	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,416,700	3,975,273	331,719	17,601	2,693,882	52,443	204,071	164,084
コークス製造用炭(原料炭)	t	3,193,699	307,864	-	-	307,784	-	-	-
石 炭	〃	1,159,186	1,140,780	89,610	9,652	809,788	38,093	70,211	58,244
石 炭 コ ー ク ス	〃	2,411,917	2,398,730	316,747	9,504	2,023,772	28,364	16,114	4,639
タ ー ク ル	〃	8,321	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	766,469	600,550	29,760	2,712	97,938	894	41,234	39,163
高 炉 ガ ス	〃	5,868,115	4,407,310	146,890	26,585	2,671,975	25,205	250,159	243,494
転 炉 ガ ス	〃	353,526	294,935	7,354	308	113,670	485	12,754	11,739
電 気 炉 ガ ス	〃	7,806	6,522	-	-	-	6,344	-	-
天 然 ガ ス	〃	1,778	1,774	-	-	-	-	213	-
液 化 天 然 ガ ス	t	30,159	30,002	88	-	83	139	916	163
都 市 ガ ス (A)	1000m ³	170,890	163,163	2,639	25	8,720	163	12,762	5,323
都 市 ガ ス (B)	〃	186,718	178,263	2,882	27	9,528	178	13,941	5,824
酸 素	1000Nm ³	844,562	844,403	...	...	362,503	4,576	437,632	375,239
廃 材	絶乾(Dry)t	1,213	1,213	-	-	-	-	-	-
廃 タ イ ヤ	t	32	32	-	-	-	-	32	32
廃 プ ラ ス チ ッ ク	〃	19,276	3,236	-	-	2,810	8	418	418
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,891,998	3,641,758	228,852	416	265,340	163,301	1,199,210	239,733
蒸 気	気 t	350,173	300,109	3,918	1,162	40,073	2,149	33,372	32,122

(令和3年7月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
125,601	15,487	4,476	527,568	902,851	262,982	2,443,159	38,505	Total	
1,806	2,376	1,936	14,475	18,519	9,545	21,275	1,267	(Crude petroleum equivalent)	
-	-	-	1	-	46	-	91	Oil based fuels	
649	544	845	3,305	155	1,427	1	103	(Crude petroleum equivalent)	
1	54	8	10	-	1,539	22	206	Gasoline	
1,090	1,669	407	5,013	13,504	2,533	-	117	Kerosene	
946	1,669	403	4,145	3,626	2,451	-	117	Gas oils	
144	-	4	868	9,878	82	-	-	Heavy Fuel oil total	
-	-	-	-	-	-	7,750	-	Heavy Fuel oil A	
40	102	557	4,815	3,135	3,162	-	596	Heavy Fuel oil B・C	
-	-	-	5	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	15,390	-	Liquefied petroleum gas	
-	-	-	-	-	-	-	-	Hydrocarbon gas	
33	-	-	-	-	-	-	-	Petroleum coke	
29,885	8,345	778	351,428	608,961	69,419	2,391,963	11,924	Asphalt	
-	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
3,245	-	-	-	335,566	103	2,885,835	-	Non-oil based fuels	
11,475	-	3	-	-	4,226	12,865	322	(Crude petroleum equivalent)	
-	-	-	-	-	-	8,321	-	Coal for making coke (material coal)	
1,332	471	30	353,284	114,633	28,318	151,043	5,070	Coal	
45	304	-	140,963	2,549,631	122,942	1,290,353	314	Coal coke	
88	588	-	97,808	122,617	7,683	38,824	13,544	Tar	
-	-	-	-	7,111	-	-	-	Coke oven gas	
213	123	-	1,097	227	114	-	4	Blast furnace gas	
450	1,806	149	20,741	3,486	4,256	-	12	Converter furnace gas	
5,207	4,474	441	85,745	45,766	23,254	417	5,187	Electric furnace gas	
5,675	4,899	479	93,536	49,950	25,540	457	5,676	Natural gas	
62,393	287	221	11,956	...	27,228	...	159	Liquefied natural gas	
-	-	-	-	2,653	-	-	-	Town gas(A)	
-	-	-	-	-	-	-	-	Town gas(B)	
-	-	-	-	-	-	16,040	-	Oxygen	
986,287	50,513	18,254	1,437,411	127,945	1,030,264	167,997	193,737	Waste material	
31,277	974	932	404,406	3,811,695	1,275,720	206,776	105,494	Used Tires	
131,402	15,623	4,492	579,718	-	291,563	2,439,954	51,727	Waste plastic	
2,075	2,376	1,940	17,202	-	13,141	21,666	1,849	Refuse Paper & Plastic Fuel	
-	-	-	1	-	46	-	91	Electricity	
704	544	845	3,309	-	1,498	1	103	Steam	
1	54	8	10	-	1,539	22	206		
1,306	1,669	411	6,876	-	5,125	241	260		
1,162	1,669	407	4,678	-	3,041	1	157		
144	-	4	2,198	-	2,084	240	103		
-	-	-	-	-	-	7,750	-		
40	102	557	5,396	-	3,760	101	929		
-	-	-	5	-	-	-	-		
-	-	-	-	-	-	15,390	-		
-	-	-	-	-	-	-	-		
33	-	-	-	-	-	-	-		
39,986	8,562	806	466,372	-	199,817	2,406,091	35,336		
-	-	-	-	-	80	2,885,835	-		
11,966	-	-	61,463	-	61,963	3,130	15,275		
11,475	-	3	-	-	4,226	12,865	322		
-	-	-	-	-	-	8,321	-		
2,071	471	30	374,044	-	53,468	156,150	9,769		
6,665	309	-	593,759	-	692,429	1,363,586	97,218		
1,015	588	-	121,852	-	37,924	42,633	15,957		
-	-	-	-	-	178	-	1,284		
213	123	-	1,294	-	144	-	4		
753	1,959	149	21,380	-	5,287	79	79		
7,439	4,474	464	98,061	-	35,854	1,836	5,890		
8,117	4,899	505	106,994	-	39,309	2,011	6,445		
62,393	287	221	11,956	...	27,228	...	159		
-	-	-	555	-	658	-	-		
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	16,040	-		
959,477	49,659	18,150	997,017	-	719,813	117,664	132,576		
1,250	951	839	49,166	-	168,480	18,104	31,959		

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper 溶錬工程 Fusing and mixing process		電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	92,504	80,455	29,236	22,601	6,635	7,134	6,470	664	
石油系燃料 (原油換算)	"	20,295	18,275	6,352	6,352	-	699	370	330	
ガソリン	"	5	5	-	-	-	-	-	-	
灯油	"	1,440	451	74	74	-	-	-	-	
軽油	"	286	110	2	2	-	-	-	-	
重油計	"	9,387	9,152	4,512	4,512	-	397	156	241	
A重油	"	3,619	3,392	410	410	-	397	156	241	
B・C重油	"	5,768	5,760	4,102	4,102	-	-	-	-	
炭化水素油	"	3,741	3,189	380	380	-	-	-	-	
液化石油ガス	t	560	477	362	362	-	-	-	-	
オイルコークス	"	740	740	669	669	-	71	71	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	3,423	3,423	-	-	-	230	146	84	
非石油系燃料 (原油換算)	kl	24,986	24,594	3,482	3,482	-	5,265	5,265	-	
石炭	t	4,491	4,491	4,341	4,341	-	137	137	-	
石炭コークス	"	14,597	14,583	331	331	-	5,933	5,933	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	27,196	27,196	-	-	-	7,171	7,171	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	-	-	-	-	-	-	-	-	
液化天然ガス	t	2,122	2,122	217	217	-	46	46	-	
都市ガス (A)	1000m ³	4,966	4,638	-	-	-	-	-	-	
都市ガス (B)	"	5,189	4,830	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	420,923	337,797	157,323	99,243	58,080	11,383	7,820	3,563	
		116,707	89,153	68,971	51,142	17,829	1,610	1,565	45	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	85,681	74,418	23,160	18,009	5,151	7,192	6,528	664
石油系燃料 (原油換算)	"	20,921	18,760	6,600	6,533	67	720	391	330
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,483	494	117	74	43	-	-	-
軽油	"	286	110	2	2	-	-	-	-
重油計	"	9,956	9,582	4,706	4,682	24	418	177	241
A重油	"	4,018	3,656	439	433	6	418	177	241
B・C重油	"	5,938	5,926	4,268	4,249	19	-	-	-
炭化水素油	"	3,741	3,189	380	380	-	-	-	-
液化石油ガス	t	560	477	362	362	-	-	-	-
オイルコークス	"	740	740	669	669	-	71	71	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	3,423	3,423	-	-	-	230	146	84
非石油系燃料 (原油換算)	kl	26,451	25,572	3,482	3,482	-	5,468	5,468	-
石炭	t	4,491	4,491	4,341	4,341	-	137	137	-
石炭コークス	"	14,597	14,583	331	331	-	5,933	5,933	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	40,099	36,049	-	-	-	9,155	9,155	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,213	2,185	217	217	-	60	60	-
都市ガス (A)	1000m ³	5,089	4,698	-	-	-	-	-	-
都市ガス (B)	"	5,326	4,898	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	385,596	311,252	134,843	84,223	50,620	10,682	7,119	3,563
		35,309	16,376	7,724	2,293	5,431	145	98	47

(令和3年7月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
17,685	8,327	9,358	11,282	13,062	2,056	12,049	Total (Crude petroleum equivalent)	
894	294	600	2,117	7,860	354	2,020	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
3	3	-	293	76	5	989	Kerosene	
7	7	-	14	85	2	176	Gas oils	
362	276	86	1,665	2,075	141	235	Heavy Fuel oil total	
296	210	86	304	1,844	141	227	Heavy Fuel oil A	
66	66	-	1,361	231	-	8	Heavy Fuel oil B・C	
-	-	-	-	2,809	-	552	Hydrocarbon oil	
1	1	-	37	73	4	83	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
494	-	494	-	2,506	193	-	Reproduction oil (Oil origin)	
9,042	1,054	7,989	2,628	4,032	144	392	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	13	-	Coal	
8,312	448	7,864	-	-	7	14	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
20,025	782	19,243	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
632	405	227	177	961	89	-	Liquefied natural gas	
62	62	-	2,019	2,553	4	328	Town gas(A)	
69	69	-	2,239	2,518	4	359	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
78,172	73,590	4,582	70,090	12,577	8,252	83,126	Electricity	
6,900	1,937	4,963	242	-	11,430	27,554	Steam	
17,896	8,347	9,548	11,293	13,061	1,816	11,264	Total (Crude petroleum equivalent)	
1,046	375	671	2,117	7,860	417	2,160	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
3	3	-	293	76	5	989	Kerosene	
7	7	-	14	85	2	176	Gas oils	
514	356	157	1,665	2,075	204	374	Heavy Fuel oil total	
448	290	157	304	1,844	203	363	Heavy Fuel oil A	
66	66	-	1,361	231	0	11	Heavy Fuel oil B・C	
-	-	-	-	2,809	-	552	Hydrocarbon oil	
1	1	-	37	73	4	83	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
494	-	494	-	2,506	193	-	Reproduction oil (Oil origin)	
9,798	1,129	8,669	2,628	4,032	164	879	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	13	-	Coal	
8,312	448	7,864	-	-	7	14	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
26,719	826	25,893	-	-	175	4,050	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
679	405	274	177	961	90	29	Liquefied natural gas	
121	121	-	2,019	2,553	5	391	Town gas(A)	
135	135	-	2,239	2,517	6	428	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
75,805	73,569	2,236	70,090	12,577	7,255	74,344	Electricity	
-	-	-	403	-	8,103	18,933	Steam	

(July, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	316,162	231,627	4,201	6,428	26,468
石油系燃料（原油換算）	〃	16,755	10,403	539	1,410	158
ガソリン	〃	4,348	2,516	-	1	1
灯油	〃	2,107	1,110	11	168	74
軽油	〃	2,382	536	259	3	2
重油計	〃	2,157	1,761	5	1,199	50
A重油	〃	2,157	1,761	5	1,199	50
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	5,026	3,775	208	33	27
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	54,272	32,909	953	724	923
石炭	t	-	-	-	-	-
石炭コークス	〃	708	708	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	525	525	-	-	-
液化天然ガス	t	3,303	1,196	-	102	-
都市ガス（A）	1000m ³	41,774	25,936	817	497	784
都市ガス（B）	〃	45,665	28,353	897	546	870
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
RPF	〃	-	-	-	-	-
電	力 1000kWh	2,635,196	2,024,391	29,128	46,156	272,902

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	365,142	272,377	4,291	6,959	31,303
石油系燃料（原油換算）	〃	18,441	12,028	540	1,542	484
ガソリン	〃	4,348	2,516	-	1	1
灯油	〃	2,137	1,138	11	194	76
軽油	〃	2,419	569	259	3	4
重油計	〃	2,950	2,504	6	1,306	68
A重油	〃	2,950	2,504	6	1,306	68
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	5,663	4,409	208	33	262
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	127,033	93,217	1,146	1,424	7,278
石炭	t	-	-	-	-	-
石炭コークス	〃	708	708	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	3,497	3,492	-	-	1,350
液化天然ガス	t	7,899	4,676	-	172	183
都市ガス（A）	1000m ³	96,052	70,883	982	1,014	4,873
都市ガス（B）	〃	104,986	77,440	1,079	1,113	5,213
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
RPF	〃	-	-	-	-	-
電	力 1000kWh	2,361,431	1,796,671	28,008	42,925	253,072

(令和3年7月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
65,893	5,097	123,541	84,535	Total (Crude petroleum equivalent)
491	27	7,777	6,352	Oil based fuels (Crude petroleum equivalent)
3	-	2,511	1,832	Gasoline
-	-	857	997	Kerosene
1	-	271	1,846	Gas oils
126	-	381	396	Heavy Fuel oil total
126	-	381	396	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
279	21	3,207	1,251	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,463	143	28,703	21,363	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	708	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	524	-	Natural gas
-	-	1,094	2,107	Liquefied natural gas
1,249	122	22,467	15,838	Town gas(A)
1,377	134	24,529	17,312	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
687,333	52,965	935,907	610,805	Electricity
76,996	5,109	147,718	92,765	Total (Crude petroleum equivalent)
874	27	8,561	6,413	Oil based fuels (Crude petroleum equivalent)
3	-	2,511	1,832	Gasoline
-	-	857	999	Kerosene
1	-	302	1,851	Gas oils
211	-	913	446	Heavy Fuel oil total
211	-	913	446	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
509	21	3,376	1,254	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
18,253	169	64,947	33,816	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	708	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	2,141	5	Natural gas
-	-	4,321	3,223	Liquefied natural gas
15,645	145	48,224	25,169	Town gas(A)
17,186	159	52,690	27,546	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
622,088	52,812	797,765	564,760	Electricity

(July, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	634,950	6,239	5,452
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	3
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	48
板 ガ ラ ス Sheet Glass	...	-	-	-	4
石 灰 Lime	...	-	-	-	263
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	115
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	233
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	65

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
9,934	617	21,065	78,991	18,586	43,733	-
-	160	2,568	441	118,802	28,119	-
-	1,069	1,575	14	11,123	160,287	1,317
14	1,227	14,332	-	128,158	536,646	134
-	77	13,125	115	-	-	-
34	1,280	5,023	-	6,015	18,382	9,236
-	839	3,382	43	-	17,161	21
-	314	-	-	60	62	3,193
1	274	130	0	-	-	5,376
1	74	145	7	-	-	-
15	339	65	7	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(July, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	534,826	-	129,855	7,587	-
石 油 系 燃 料 (原 油 換 算)	"	73,745	-	10,406	6,785	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	2,122	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	115	-	110	-	-
A 重 油	"	96	-	-	-	-
B・C 重 油	"	3,494	-	130	-	-
炭 化 水 素 油	"	14,960	-	8,204	-	-
液 化 石 油 ガ ス	t	378	-	378	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	6,101	-	221	5,241	-
オ イ ル コ ー ク ス	t	26,515	-	-	-	-
ア ス フ ァ ル ト	t	10,117	-	736	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	104	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	442,249	-	115,402	160	-
石 炭 コ ー ク ス	t	393,893	-	115,065	-	-
コ ー ク ス 炉 ガ ス	1000m ³	77,733	-	488	-	-
高 炉 ガ ス	"	40,487	-	-	-	-
液 化 天 然 ガ ス	t	310,299	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,317	-	87	113	-
回 収 黒 液	絶乾(Dry)t	1000m ³	-	-	-	-
廃 プ ラ ス チ ッ ク	t	83,743	-	83,743	...	...
R P F	t	6,820	-	14	-	-
電 力	1000kWh	1,500	-	1,500	-	-
う ち 購 入 分	"	511,944	-	233,585	5,282	-
蒸 気	t	132,729	-	20,857	5,282	-
う ち 受 入 分	"	2,803,771	-	1,484,955	5,815	-
	"	63,333	-	-	2,186	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	342,352	-	155,609	37,775	207
石 油 系 燃 料 (原 油 換 算)	"	72,088	-	7,852	25,472	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	4	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	27,170	-	-	27,170	-
軽 油	"	1,095	-	-	-	-
A 重 油	"	201	-	4	-	-
B・C 重 油	"	4,102	-	385	319	-
炭 化 水 素 油	"	11,584	-	6,017	-	-
液 化 石 油 ガ ス	t	1,599	-	428	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	1,129	-	144	640	-
オ イ ル コ ー ク ス	t	18,149	-	-	503	-
ア ス フ ァ ル ト	t	2,481	-	156	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,341	-	192	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	235,553	-	144,996	9,711	-
石 炭 コ ー ク ス	t	185,956	-	94,170	13,171	-
コ ー ク ス 炉 ガ ス	1000m ³	12,111	-	-	-	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	42,997	-	-	-	-
都 市 ガ ス (B)	1000m ³	6,132	-	-	586	-
回 収 黒 液	絶乾(Dry)t	1000m ³	-	-	-	-
廃 プ ラ ス チ ッ ク	t	148,350	-	148,350	...	...
R P F	t	2,134	-	138	-	-
電 力	1000kWh	11,414	-	11,414	-	-
う ち 購 入 分	"	723,950	-	310,250	41,968	1,143
蒸 気	t	339,589	-	29,680	18,640	1,143
う ち 受 入 分	"	2,429,854	-	1,940,348	159,616	1,457
	"	27,895	-	-	12,417	1,457

(令和3年7月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
42,964	52,273	-	297,890	-	4,257	Total (Crude petroleum equivalent)
42,964	1,496	-	12,008	-	87	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
2,122	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	1	-	4	-	-	Kerosene
-	7	-	89	-	-	Gas oils
-	275	-	3,087	-	2	Heavy Fuel oil A
5,736	1,020	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
26,515	-	-	573	-	66	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	9,381	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	104	-	-	-	-	Reproduction oil (Oil origin)
-	49,129	-	274,230	-	3,327	Non-oil based fuels (Crude petroleum equivalent)
-	66,561	-	212,267	-	-	Coal
-	300	-	76,945	-	-	Coal coke
-	168	-	40,319	-	-	Coke oven gas
-	-	-	310,299	-	-	Blast furnace gas
-	-	-	763	-	2,354	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	5,125	-	1,681	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
34,547	58,776	-	156,944	-	22,810	Electricity
-	17,545	-	79,985	-	9,060	among those purchased
181,799	154,800	-	976,402	-	...	Steam
-	227	-	60,920	-	...	among those accepted
24,884	20,725	1,793	65,382	26,146	9,831	Total (Crude petroleum equivalent)
24,667	2,938	208	7,158	2,795	998	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	4	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	3	3	247	149	693	Kerosene
-	118	1	17	58	3	Gas oils
3	91	201	2,116	763	224	Heavy Fuel oil A
1,305	114	-	4,137	11	-	Heavy Fuel oil B・C
-	410	-	-	761	-	Hydrocarbon oil
17,646	-	2	242	14	87	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	2,254	-	-	71	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	232	-	-	917	-	Reproduction oil (Oil origin)
-	15,500	328	45,053	16,932	3,033	Non-oil based fuels (Crude petroleum equivalent)
-	20,306	-	54,392	3,917	-	Coal
-	-	-	1,310	10,801	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	42,997	-	Blast furnace gas
-	-	232	3,788	1,526	-	Liquefied natural gas
-	-	-	-	69	796	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,996	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
16,830	26,364	13,470	172,495	71,715	69,715	Electricity
2,336	24,585	9,123	141,581	50,145	62,356	among those purchased
141,701	13,698	-	10,106	162,928	...	Steam
-	-	-	-	14,021	...	among those accepted

(July, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,283,132	36,690	176,063	2,395,539	12,828
石 油 系 燃 料 (原 油 換 算)	"	2,644,930	5,086	8,267	2,154,867	184
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,061	6	1	8	2
改 質 生 成 油	"	1,262,226	-	-	1,261,809	-
灯 質 生 成 油	"	361,309	-	-	361,309	-
軽 油	"	40,600	83	65	31,256	-
A 重 油	"	18,740	267	29	16,319	-
B ・ C 重 油	"	5,649	412	1,370	108	-
炭 化 水 素 油	"	74,027	269	6,091	10,675	86
液 化 石 油 ガ ス	t	49,319	-	-	39,588	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	255,771	16	33	233,472	69
オ イ ル コ ー ク ス	t	471,865	-	-	233,533	-
ア ス フ ェ ル ト	"	58,071	4,666	-	51,888	-
再 生 油 (石 油 由 来)	kl	34,779	-	-	-	-
		10,699	-	171	1,712	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,302,610	21,383	153,400	108,526	12,408
石 炭 コ ー ク ス	t	1,356,967	11,257	17,509	11,257	-
コ ー ク ス 炉 ガ ス	1000m ³	720,424	4,911	-	4,911	-
高 炉 ガ ス	"	247,185	-	-	3,355	-
液 化 天 然 ガ ス	t	1,811,546	-	-	-	-
都 市 ガ ス (B)	1000m ³	20,599	-	5,512	9,620	-
回 収 黒 液	絶乾(Dry)t	192,830	-	44,279	23,179	11,683
廃 プ ラ ス チ ッ ク	t	105,230	-	105,230	...	...
R P F	"	24,422	-	301	5,292	-
	"	19,349	-	16,553	-	-
電 力	1000kWh	4,094,945	123,244	422,339	1,064,795	30,655
う ち 購 入 分	"	2,514,243	59,281	142,009	687,062	2,546
蒸 気	t	10,274,566	92,642	1,911,901	3,889,610	62,681
う ち 受 入 分	"	1,301,653	17,211	17,155	918,563	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,780,502	5,964	119,360	530,620	15,957
石 油 系 燃 料 (原 油 換 算)	"	653,753	75	17,265	451,328	4,106
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,754	8	1	1	-
改 質 生 成 油	"	211,217	-	-	210,182	-
灯 質 生 成 油	"	129,702	-	-	129,702	-
軽 油	"	4,767	41	49	6	122
A 重 油	"	977	2	39	6	13
B ・ C 重 油	"	11,906	27	301	1,001	586
炭 化 水 素 油	"	31,737	-	8,078	2,120	330
液 化 石 油 ガ ス	t	23,715	-	4,201	14,356	16
石 油 系 炭 化 水 素 ガ ス	1000m ³	51,465	-	147	42,750	66
オ イ ル コ ー ク ス	t	112,876	-	-	35,534	-
ア ス フ ェ ル ト	"	57,658	-	4,117	43,246	3,406
再 生 油 (石 油 由 来)	kl	4,733	-	-	-	-
		11,024	-	74	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	943,424	4,701	95,235	54,353	5,691
石 炭 コ ー ク ス	t	540,474	-	9,282	40,749	-
コ ー ク ス 炉 ガ ス	1000m ³	228,831	-	-	-	-
高 炉 ガ ス	"	80,638	-	-	-	-
液 化 天 然 ガ ス	t	927,513	-	-	-	-
都 市 ガ ス (B)	1000m ³	28,219	-	1,967	18,719	151
回 収 黒 液	絶乾(Dry)t	97,189	4,427	2,026	389	5,158
廃 プ ラ ス チ ッ ク	t	150,369	-	150,369	...	...
R P F	"	6,502	-	1,551	-	-
	"	7,363	-	7,363	-	-
電 力	1000kWh	2,589,768	16,000	226,960	276,058	73,416
う ち 購 入 分	"	1,748,638	12,778	58,894	107,496	55,926
蒸 気	t	4,675,049	-	1,260,855	1,203,911	86,167
う ち 受 入 分	"	258,088	-	19,990	211,603	13,851

(令和3年7月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
486,571	115,916	13,011	2,023,643	13,755	82,498	Total (Crude petroleum equivalent)
432,854	26,163	1,679	15,898	2,832	7,272	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
12	9	-	42	5	988	Gasoline
417	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
7,536	128	-	783	11	904	Kerosene
14	750	1	402	66	1,426	Gas oils
1,241	338	6	1,109	913	976	Heavy Fuel oil A
44,051	9,141	1,492	2,575	185	-	Heavy Fuel oil B・C
4,542	1,251	-	3,410	528	-	Hydrocarbon oil
16,855	16	47	2,792	42	2,461	Liquefied petroleum gas
238,327	-	-	5	-	-	Hydrocarbon gas
-	6,564	-	4,285	-	-	Petroleum coke
34,779	-	-	-	-	-	Asphalt
-	7,820	-	-	996	-	Reproduction oil (Oil origin)
18,946	75,171	9,181	1,914,181	1,426	30,754	Non-oil based fuels (Crude petroleum equivalent)
17,868	57,279	-	1,264,311	-	-	Coal
-	9,502	-	710,088	448	386	Coal coke
-	9,128	-	234,702	-	-	Coke oven gas
-	-	-	1,811,546	-	-	Blast furnace gas
-	35	2,043	668	130	2,591	Liquefied natural gas
304	2,572	5,926	78,795	854	25,238	Town gas(B)
...	...	...	...	...	...	Black liquor
-	10,430	-	8,399	-	-	Waste plastic
-	2,796	-	-	-	-	Refuse Paper & Plastic Fuel
389,786	221,191	25,873	1,427,463	99,485	536,602	Electricity
115,010	118,570	23,116	982,865	24,285	478,061	among those purchased
2,349,426	206,878	2,252	1,939,839	4,621	...	Steam
348,259	512	-	30,873	3,502	...	among those accepted
146,857	49,839	5,166	750,454	13,154	155,059	Total (Crude petroleum equivalent)
130,062	29,196	1,288	11,625	4,422	4,537	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,749	Gasoline
1,035	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	337	2	4,161	4	126	Kerosene
40	90	-	430	35	326	Gas oils
7,488	68	19	1,228	342	900	Heavy Fuel oil A
10,078	8,655	786	448	1,242	-	Heavy Fuel oil B・C
-	3,622	-	-	1,520	-	Hydrocarbon oil
3,014	-	-	4,090	98	1,300	Liquefied petroleum gas
77,342	-	-	-	-	-	Hydrocarbon gas
-	6,589	-	300	-	-	Petroleum coke
4,733	-	-	-	-	-	Asphalt
-	9,585	402	-	963	-	Reproduction oil (Oil origin)
15,227	17,099	2,874	692,812	3,147	61,687	Non-oil based fuels (Crude petroleum equivalent)
15,061	10,303	-	465,079	-	-	Coal
-	567	-	227,537	727	-	Coal coke
-	3,631	-	77,007	-	-	Coke oven gas
-	-	-	927,513	-	-	Blast furnace gas
3,587	-	461	3,078	-	256	Liquefied natural gas
-	4,287	2,093	28,865	2,450	56,348	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,423	-	2,528	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
131,929	57,403	10,849	705,994	35,916	1,087,243	Electricity
9,077	38,040	10,794	493,031	33,172	954,986	among those purchased
1,480,400	71,676	492	571,548	-	...	Steam
10,461	79	-	2,104	-	...	among those accepted

(July, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	2,006,388	37,595	47,396	722,493	70,625
石 油 系 燃 料 (原 油 換 算)	"	598,023	116	1,062	422,994	1,540
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	441	2	1	9	2
改 質 生 成 油	"	168,044	-	-	167,236	-
灯 油	"	195,820	-	-	195,820	-
軽 油	"	2,633	-	1	376	-
A 重 油	"	828	114	15	27	7
B・C 重 油	"	2,707	-	89	-	1,013
炭 化 水 素 油	"	51,525	-	12	36,500	474
液 化 石 油 ガ ス	t	14,416	-	-	3,143	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	38,063	2	9	34,454	1
オ イ ル コ ー ク ス	t	112,588	-	-	15,866	-
ア ス フ ァ ル ト	"	5,438	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,494	-	897	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,288,427	26,991	44,006	275,797	60,015
石 炭 コ ー ク ス	t	894,429	21,351	13,116	309,378	47,289
コ ー ク ス 炉 ガ ス	1000m ³	299,757	-	-	-	-
高 炉 ガ ス	"	132,129	-	-	17,341	-
液 化 天 然 ガ ス	t	1,161,384	-	-	106,361	-
都 市 ガ ス (B)	t	39,075	1,763	-	22,739	409
回 収 黒 液	1000m ³	139,541	9,510	19,276	15,159	25,936
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	29,237	-	29,237	...	...
R P F	t	798	-	-	-	-
	"	677	-	664	-	-
電 力	1000kWh	1,936,902	164,441	93,760	266,372	212,251
う ち 購 入 分	"	1,068,939	112,741	25,023	165,230	91,324
蒸 気	t	3,697,129	254,024	493,490	870,341	645,020
う ち 受 入 分	"	296,443	-	-	120,535	8,308

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,649,076	277,759	95,963	1,308,670	56,452
石 油 系 燃 料 (原 油 換 算)	"	1,237,184	6,354	11,715	936,011	21,658
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	106	92	-	1	1
改 質 生 成 油	"	416,228	-	-	412,379	-
灯 油	"	320,636	-	-	320,636	-
軽 油	"	32,478	670	36	30,557	48
A 重 油	"	553	58	14	6	-
B・C 重 油	"	9,619	200	186	687	180
炭 化 水 素 油	"	88,015	3,950	6,755	26,331	5,998
液 化 石 油 ガ ス	t	27,306	-	-	22,558	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	55,126	864	-	48,099	237
オ イ ル コ ー ク ス	t	206,168	-	-	94,109	-
ア ス フ ァ ル ト	"	105,892	-	3,834	39,982	17,021
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,372	-	852	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,227,614	265,490	81,724	327,636	31,899
石 炭 コ ー ク ス	t	1,758,013	387,969	19,262	435,826	42,342
コ ー ク ス 炉 ガ ス	1000m ³	690,355	2,086	-	1,764	-
高 炉 ガ ス	"	197,066	-	-	1,495	-
液 化 天 然 ガ ス	t	1,457,777	-	-	-	-
都 市 ガ ス (B)	t	20,642	-	205	10,045	528
回 収 黒 液	1000m ³	41,288	1,063	1,415	2,054	2,445
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	146,000	-	146,000	...	...
R P F	t	3,455	1,511	44	1,511	-
	"	9,289	-	7,943	1,346	-
電 力	1000kWh	3,042,211	688,123	175,109	1,046,921	100,060
う ち 購 入 分	"	1,646,533	45,898	27,140	203,933	15,828
蒸 気	t	9,144,123	2,789,880	1,191,330	4,862,524	637,202
う ち 受 入 分	"	450,102	23,805	-	376,905	20,578

(令和3年7月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
148,434	65,190	23,004	921,582	4,386	40,873	Total
137,128	25,954	1,423	5,036	1,087	1,915	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	427	(Crude petroleum equivalent)
808	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
1,895	28	-	80	87	166	Naphtha
3	16	-	307	39	528	Oil produced by conversion
74	310	-	240	756	225	Kerosene
5,448	5,842	1,317	1,932	-	-	Gas oils
-	11,273	-	-	-	-	Heavy Fuel oil A
943	352	-	1,801	7	498	Heavy Fuel oil B・C
96,722	-	-	-	-	-	Hydrocarbon oil
-	5,438	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,407	-	-	190	-	Asphalt
8,455	36,259	16,847	856,360	2,567	15,112	Reproduction oil (Oil origin)
-	47,397	-	498,600	-	-	Non-oil based fuels
-	521	-	299,236	-	-	(Crude petroleum equivalent)
-	1,832	-	112,956	-	-	Coal
-	1,171	-	1,053,852	-	-	Coal coke
5,982	-	3,048	6,254	401	2,005	Coke oven gas
-	1,085	11,807	62,345	1,883	11,561	Blast furnace gas
...	...	...	...	...	...	Liquefied natural gas
-	790	-	8	-	-	Town gas(B)
-	13	-	-	-	-	Black liquor
99,563	76,668	56,584	1,024,476	7,880	263,789	Waste plastic
30,609	31,993	50,896	522,501	7,764	256,340	Refuse Paper & Plastic Fuel
508,799	311,547	7,923	1,113,145	888	...	Electricity
46	11	-	167,543	-	...	among those purchased
						Steam
						among those accepted
246,746	312,320	93	1,853,590	9,823	43,178	Total
228,889	15,372	-	25,596	1,884	2,413	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	91	-	102	(Crude petroleum equivalent)
3,849	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
340	793	-	1,030	149	195	Naphtha
-	30	-	362	85	114	Oil produced by conversion
398	663	-	5,762	922	1,021	Kerosene
43,035	4,413	-	4,758	675	-	Gas oils
-	408	-	4,340	-	-	Heavy Fuel oil A
3,037	581	-	3,259	3	774	Heavy Fuel oil B・C
112,059	-	-	-	-	-	Hydrocarbon oil
31,106	8,656	-	5,293	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	520	-	-	-	-	Petroleum coke
12,089	292,963	-	1,729,492	1,786	15,515	Asphalt
-	419,206	-	1,229,346	-	-	Reproduction oil (Oil origin)
-	4,222	-	683,847	2,286	322	Non-oil based fuels
-	4,554	-	191,017	-	-	(Crude petroleum equivalent)
-	56	-	1,457,721	-	-	Coal
8,553	8	-	1,233	-	70	Coal coke
-	305	-	22,094	69	13,969	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,511	-	1,900	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
186,643	669,995	1,001	1,162,911	68,947	318,747	Black liquor
50,542	39,733	1,001	1,017,616	65,196	271,442	Waste plastic
1,244,749	2,658,161	-	1,303,291	36,746	...	Refuse Paper & Plastic Fuel
15,415	4,171	-	55,567	1,271	...	Electricity
						among those purchased
						Steam
						among those accepted

(July, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	729,465	-	191,139	413,775	26,835
石 油 系 燃 料 (原 油 換 算)	"	190,088	-	10,116	141,242	5,124
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	11	-	4	-	-
改 質 生 成 油	"	1,967	-	-	1,967	-
灯 油	"	118,279	-	-	118,279	-
軽 油	"	4,570	-	4	1,530	-
A 重 油	"	285	-	204	-	-
B ・ C 重 油	"	2,490	-	1,738	5	-
炭 化 水 素 油	"	19,626	-	5,699	7,275	645
液 化 石 油 ガ ス	t	3,386	-	-	1,412	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	6,891	-	1,506	2,858	-
オ イ ル コ ー ク ス	t	25,954	-	-	13,831	-
ア ス フ ァ ル ト	"	11,848	-	-	4,486	5,145
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		267	-	53	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	486,088	-	177,849	242,740	20,586
石 炭 コ ー ク ス	t	563,780	-	157,921	323,863	28,899
コ ー ク ス 炉 ガ ス	1000m ³	11,327	-	-	3,283	-
高 炉 ガ ス	"	40,893	-	-	40,893	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,952	-	1,722	290	-
回 収 黒 液	絶乾(Dry)t	1,146	-	114	-	1,032
廃 プ ラ ス チ ッ ク	t	162,824	-	162,824	...	...
R P F	"	20	-	20	-	-
	"	8,393	-	8,393	-	-
電 力	1000kWh	926,322	-	421,446	185,830	57,294
う ち 購 入 分	"	405,648	-	23,959	175,720	11,881
蒸 気	t	4,131,601	-	3,014,231	264,212	310,900
う ち 受 入 分	"	225,039	-	13,683	194,545	296

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,966,511	935	74,583	547,779	5,457
石 油 系 燃 料 (原 油 換 算)	"	397,568	231	6,504	311,601	245
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,079	-	-	-	-
改 質 生 成 油	"	289,362	-	-	289,362	-
灯 油	"	23,349	-	-	23,349	-
軽 油	"	2,093	227	200	402	-
A 重 油	"	502	9	1	26	-
B ・ C 重 油	"	4,168	-	211	2,972	-
炭 化 水 素 油	"	16,894	-	5,209	2,785	227
液 化 石 油 ガ ス	t	5,524	-	-	5,240	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	24,350	6	-	18,921	-
オ イ ル コ ー ク ス	t	11,439	-	-	4,532	-
ア ス フ ァ ル ト	"	50,776	-	547	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		6,172	-	5	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,436,299	-	65,745	205,791	-
石 炭 コ ー ク ス	t	1,185,052	-	39,411	269,331	-
コ ー ク ス 炉 ガ ス	1000m ³	406,130	-	-	-	-
高 炉 ガ ス	"	174,731	-	-	35,955	-
液 化 天 然 ガ ス	t	859,714	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,377	-	-	911	-
回 収 黒 液	絶乾(Dry)t	12,374	-	125	2,485	-
廃 プ ラ ス チ ッ ク	t	99,955	-	99,955	...	...
R P F	"	16,253	-	-	1,800	-
	"	-	-	-	-	-
電 力	1000kWh	1,587,940	7,568	168,819	184,291	17,456
う ち 購 入 分	"	1,139,784	7,568	25,096	105,087	17,456
蒸 気	t	2,839,482	-	1,053,751	748,186	51,904
う ち 受 入 分	"	355,327	-	-	268,416	51,904

(令和3年7月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
22,209	41,254	-	13,815	14,272	6,165	Total
22,209	4,208	-	2,041	4,891	257	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	5	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
2,080	107	-	45	796	8	- Oil produced by conversion
-	77	-	1	3	-	8 Kerosene
-	309	-	54	259	125	- Gas oils
2,952	472	-	72	2,511	-	125 Heavy Fuel oil A
-	1,042	-	-	932	-	- Heavy Fuel oil B・C
836	-	-	1,441	156	94	- Hydrocarbon oil
12,123	-	-	-	-	-	94 Liquefied petroleum gas
-	2,217	-	-	-	-	- Hydrocarbon gas
-	-	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	214	-	-	-	-	- Reproduction oil (Oil origin)
-	36,259	-	7,003	601	1,050	Non-oil based fuels
-	52,523	-	-	574	-	(Crude petroleum equivalent)
-	838	-	6,920	286	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	197	-	743	743 Liquefied natural gas
...	...	...	...	...	...	- Town gas(B)
-	-	-	-	-	-	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
16,568	45,089	-	54,926	92,883	52,286	Electricity
8	8,457	-	51,293	82,109	52,221	among those purchased
129,216	333,161	-	26,494	53,387	...	Steam
-	-	-	-	16,515	...	among those accepted
14,727	144,804	395	1,135,975	6,825	36,903	Total
14,090	43,271	23	15,945	3,079	3,041	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	3	-	-	-	1,076	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	1,076 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	73	-	767	287	591	591 Kerosene
-	24	-	438	-	22	22 Gas oils
8	118	20	388	127	324	324 Heavy Fuel oil A
4,610	2,086	-	659	1,318	-	- Heavy Fuel oil B・C
-	284	-	-	-	-	- Hydrocarbon oil
-	1,138	2	3,122	240	933	933 Liquefied petroleum gas
6,907	-	-	-	-	-	- Hydrocarbon gas
-	38,444	-	11,116	669	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	5,733	-	77	357	-	- Reproduction oil (Oil origin)
-	94,741	-	1,061,638	287	8,097	Non-oil based fuels
-	123,099	-	753,211	-	-	(Crude petroleum equivalent)
-	47	-	406,034	49	-	- Coal
-	5,034	-	133,742	-	-	- Coal coke
-	-	-	859,714	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	15,061	177	228	228 Liquefied natural gas
-	-	-	2,449	-	7,315	7,315 Town gas(B)
...	...	...	...	...	...	... Black liquor
-	9,693	-	4,760	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
11,335	167,373	4,000	714,133	44,097	284,004	Electricity
6,852	71,653	4,000	603,063	37,180	276,965	among those purchased
71,712	385,467	-	464,320	64,142	...	Steam
-	1,841	-	33,166	-	...	among those accepted

(July, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年8月分
August, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

1) 固有単位表 20

2) 熱量単位表 20

(2) 燃料受払

1) 燃料種別表 24

① 固有単位表 24

② 熱量単位表 24

2) 業種別表

① パルプ・紙・板紙工業 26

② 化学繊維工業 26

③ 石油製品工業 28

④ ガラス製品工業 28

⑤ 化学工業 30

⑥ 窯業・土石製品工業 30

⑦ 鉄鋼業 32

⑧ 非鉄金属地金工業 34

⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

1) 直接投入エネルギー表 38

2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

経済産業局別業種別エネルギー消費

1) 北海道経済産業局管内 52

2) 東 北 " 52

3) 関 東 " 54

4) 中 部 " 54

5) 近 畿 " 56

6) 中 国 " 56

7) 四 国 " 58

8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

1) Table of original units 20

2) Table of energy units 20

(2) Fuel input/output

1) Table for type kind of energy 24

① Table of original unit 24

② Table of energy unit 24

2) Tables for individual industry

① Pulp,paper,paper board industry 26

② Chemical fiber industry 26

③ Petroleum products industry 28

④ Glass products industry 28

⑤ Chemical industry 30

⑥ Ceramic, stone and clay product industry 30

⑦ Iron and steel industry 32

⑧ Non-ferrous metals industry 34

⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

1) Hokkaido Bureau of Economy, Trade and Industry 52

2) Tohoku Bureau of Economy, Trade and Industry 52

3) Kanto Bureau of Economy, Trade and Industry 54

4) Chubu Bureau of Economy, Trade and Industry 54

5) Kansai Bureau of Economy, Trade and Industry 56

6) Chugoku Bureau of Economy, Trade and Industry 56

7) Shikoku Bureau of Economy, Trade and Industry 58

8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、鹿児島各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	タール	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

- ② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

- ③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

- 3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

- III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 4～6月	33,103,188	30,718,000	30,363,014	16,256,823	732	8,825	6,807,577	3,341,022	343,235	22,062
7～9	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10～12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1～3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4～6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
2 年 6月	10,391,708	9,627,186	9,516,928	5,057,961	194	3,506	2,117,857	1,045,720	139,885	11,848
7	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
8	13,347,719	12,579,854	12,287,848	6,510,036	-	2,956	2,531,790	1,406,751	110,746	21,857
前年同月比(%)	10.2	11.9	10.5	6.6	-	▲ 5.9	▲ 2.0	9.6	4.9	16.7

年・期・月	燃料計(つづき) Fuel total (continued)									
	非石油系燃料(つづき) Non-oil based fuels (continued)									
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG	都市ガス (B)
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443
2 年 4～6月	17,311,116	6,400,669	124,113	2,516,826	16,245,377	970,218	23,702	146,786	344,843	1,204,583
7～9	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547
10～12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727
3 年 1～3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586
4～6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699
2 年 6月	5,446,891	2,027,779	35,429	795,037	5,045,059	298,392	7,672	42,703	115,557	397,531
7	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233
8	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881	460,542
前年同月比(%)	10.5	20.8	0.5	8.7	22.2	20.0	26.6	11.8	16.5	16.5

注1. 原油にはNGL・コンデンセートを含む。
3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,083,975	134,307	949,668	383,224	985,324	2,769,119	848,798	136,222	73,059	23,800,858	Q2 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
324,969	45,554	279,415	124,037	299,175	848,745	261,683	33,656	24,287	7,494,182	Jun. 2020
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul.
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982	Aug.
8.8	6.2	9.2	5.4	18.6	5.8	▲ 6.3	282.4	5.8	14.1	R・S

回収黒液						電力		蒸気		Year, quarter and Month
Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,281,992	1,592,702	565,621	109,477	162,911	143,814	39,217,940	22,493,742	111,904,135	8,473,841	Q2 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
649,300	483,539	195,052	36,237	51,070	45,544	12,685,446	7,317,981	34,820,207	2,519,447	Jun. 2020
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul.
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765	Aug.
20.0	23.9	▲ 4.4	▲ 5.7	9.4	10.1	8.6	9.0	4.5	3.5	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,941,889	12,579,854	15,882,017	6,510,036	-	2,956	2,531,790	1,406,751	110,746
重複事業所分補正量 Duplication adjustment	392,444	-	365,186	11,762	-	78	-	-	573
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	991,229	865,343	953,031	72,265	...	6	-	-	602
化学工業 Chemical industry	6,485,971	5,223,264	6,172,931	4,926,659	-	16	2,514,378	1,406,751	87,913
化学繊維工業 Chemical fibers industry	195,652	46,662	170,631	41,016	...	4	-	-	171
石油製品工業 Petroleum products industry	1,276,377	1,129,665	1,233,856	1,185,663	...	18	17,412	-	11,982
窯業・土石製品工業 Ceramics, clay and stone products industry	839,440	545,423	803,619	143,612	...	23	-	-	1,095
ガラス製品工業 Glass products industry	43,696	42,352	34,246	4,685	...	-	-	-	5
鉄鋼業 Iron and steel industry	7,073,165	4,413,535	6,696,137	113,257	...	109	-	-	5,782
非鉄金属地金工業 Non-ferrous metals industry	4,027,553	75,995	3,650,525	18,002	...	3	-	-	1,424
機械工業 Machinery industry	90,284	237,616	44,601	16,637	...	2,855	-	-	2,345

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	655,651,139	486,840,377	614,634,095	251,938,393	-	98,730	84,308,607	47,407,509	4,042,247
重複事業所分補正量 Duplication adjustment	15,187,579	-	14,132,713	455,179	-	2,605	-	-	20,915
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	38,360,577	33,488,765	36,882,311	2,796,669	...	200	-	-	21,973
化学工業 Chemical industry	251,007,087	202,140,317	238,892,441	190,661,718	-	534	83,728,787	47,407,509	3,208,825
化学繊維工業 Chemical fibers industry	229,777,895	1,805,806	217,663,249	1,587,327	...	134	-	-	6,242
石油製品工業 Petroleum products industry	7,571,747	1,805,806	6,603,432	1,587,327	...	134	-	-	6,242
窯業・土石製品工業 Ceramics, clay and stone products industry	49,395,809	43,718,020	47,750,220	45,885,174	...	601	579,820	-	437,343
ガラス製品工業 Glass products industry	32,486,331	21,107,888	31,100,066	5,557,780	...	768	-	-	39,968
鉄鋼業 Iron and steel industry	32,486,331	1,639,035	31,100,066	181,318	...	-	-	-	183
非鉄金属地金工業 Non-ferrous metals industry	1,691,044	1,639,035	1,325,331	181,318	...	-	-	-	183
機械工業 Machinery industry	273,731,501	170,803,787	259,140,523	4,383,037	...	3,641	-	-	211,045
	155,866,321	2,941,023	141,275,344	696,678	...	100	-	-	51,976
	3,494,006	2,941,023	1,726,071	696,678	...	100	-	-	51,976
	13,100,615	9,195,735	5,346,413	643,871	...	95,357	-	-	85,609

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年8月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
21,857	362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982
429	4,927	1,044	3,883	-	768	-	5,224	-	-	353,425
305	50,415	4,358	46,057	4,516	1,841	-	9,531	-	1,938	880,766
16,629	102,791	4,489	98,302	98,281	407,463	437,056	140,931	-	1,804	1,246,272
14	17,129	2,187	14,942	28	356	-	25,580	-	-	129,615
46	119,994	15,926	104,068	13,201	29,197	681,092	61,708	27,868	-	48,192
1,029	35,983	2,949	33,034	17,620	1,856	-	68,141	-	22,772	660,007
3	3,900	229	3,671	-	50	-	-	-	402	29,561
1,947	24,869	12,808	12,061	7,144	19,525	5	54,749	-	109	6,582,881
289	9,219	3,749	5,470	3,020	536	-	71	-	2,714	26,599
2,024	3,093	3,093	-	-	5,301	-	-	-	-	121,513

単位 Unit: GJ

830,563	15,009,916	1,896,230	13,113,686	5,752,400	23,314,674	57,025,803	11,837,717	1,114,720	1,195,508	362,695,702
16,302	202,921	40,612	162,309	-	38,477	-	173,959	-	-	13,677,534
11,590	2,094,741	169,559	1,925,183	180,640	92,234	-	317,382	-	77,908	34,085,642
631,902	4,283,646	174,622	4,109,024	3,931,240	20,413,896	22,289,856	4,693,002	-	72,521	48,230,723
532	709,650	85,074	624,576	1,120	17,836	-	851,814	-	-	5,016,105
1,748	4,969,564	619,521	4,350,042	528,040	1,462,770	34,735,692	2,054,876	1,114,720	-	1,865,047
39,102	1,495,627	114,716	1,380,911	704,800	92,986	-	2,269,095	-	915,434	25,542,286
114	162,356	8,908	153,448	-	2,505	-	-	-	16,160	1,144,013
73,986	1,002,402	498,236	504,167	285,760	978,426	255	1,823,142	-	4,382	254,757,486
10,980	374,501	145,855	228,646	120,800	26,854	-	2,364	-	109,103	1,029,392
76,911	120,350	120,350	-	-	265,645	-	-	-	-	4,702,542

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(August, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881
重複事業所分補正量 Duplication adjustment	470,117	8,883	-	-	-	-	-	9,025	1,767
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	449,914	464	...	-	-	-	-	7,201	7,756
化学工業 Chemical industry	1,407,579	12,791	28,948	96,511	107,607	-	-	35,533	62,338
化学繊維工業 Chemical fibers industry	116,710	-	...	-	-	-	-	-	1,270
石油製品工業 Petroleum products industry	29,946	-	...	-	-	-	-	6,130	14,801
窯業・土石製品工業 Ceramics, clay and stone products industry	856,316	17,119	...	24,054	1,341	15,537	146	10,459	92
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,854
鉄鋼業 Iron and steel industry	4,480,467	2,403,722	8,835	784,471	6,551,993	384,260	4,269	1,624	32,041
非鉄金属地金工業 Non-ferrous metals industry	4,534	16,262	...	-	42,459	-	-	-	2,192
機械工業 Machinery industry	-	374	...	-	-	-	-	3,164	7,304

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	188,449,592	70,813,640	1,409,306	18,372,231	23,931,138	3,330,309	36,777	2,341,155	7,213,891
重複事業所分補正量 Duplication adjustment	12,270,054	257,607	-	-	-	-	-	383,563	96,655
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,742,755	13,456	...	-	-	-	-	306,043	424,253
化学工業 Chemical industry	36,737,812	370,939	1,079,760	1,959,173	384,157	-	-	1,510,153	3,409,889
化学繊維工業 Chemical fibers industry	3,046,131	-	...	-	-	-	-	-	69,469
石油製品工業 Petroleum products industry	781,591	-	...	-	-	-	-	260,525	809,615
窯業・土石製品工業 Ceramics, clay and stone products industry	22,349,848	496,470	...	488,296	4,787	129,423	1,216	444,508	5,032
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	320,214
鉄鋼業 Iron and steel industry	125,943,172	69,707,938	329,546	15,924,761	23,390,615	3,200,886	35,561	69,020	1,752,643
非鉄金属地金工業 Non-ferrous metals industry	118,337	471,598	...	-	151,579	-	-	-	119,902
機械工業 Machinery industry	-	10,846	...	-	-	-	-	134,470	399,529

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年8月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
460,542	986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765
15,243	-	-	-	-	1,474	-	1,064,819	229,694	3,479,270	40,128
59,242	986,292	...	187,091	24,995	3,811	59,850	2,051,306	355,707	12,335,309	47,284
48,938	...	...	-	14,345	8,547	1,517	3,277,895	1,579,124	12,900,328	2,303,205
46,241	...	...	-	-	-	-	497,549	195,825	1,848,673	98,447
324	...	...	-	-	-	-	994,584	205,811	6,974,906	338,194
8,095	...	...	44	6,060	34,737	2,612	1,401,159	346,473	4,485,266	6,855
20,044	...	...	-	-	-	-	109,496	97,016	10,576	-
187,653	...	858,064	2,805	20	18,183	-	5,289,060	3,775,195	6,476,362	373,811
4,087	...	...	-	-	-	-	474,672	363,665	324,636	37,097
101,161	...	...	-	-	-	-	2,384,940	2,153,945	...	...

単位 Unit: GJ

18,928,267	13,413,571	6,109,416	3,247,974	1,507,944	1,869,457	1,721,035	55,497,031	31,835,041	112,020,405	8,465,747
626,468	-	-	-	-	43,188	-	3,833,348	826,898	9,307,047	107,342
2,434,846	13,413,571	...	3,199,256	829,834	111,662	1,609,965	7,384,702	1,280,545	32,996,952	126,485
2,011,352	...	...	-	476,254	250,427	40,807	11,800,422	5,684,846	34,508,378	6,161,074
1,900,505	...	...	-	-	-	-	1,791,176	704,970	4,945,200	263,346
13,316	...	...	-	-	-	-	3,580,502	740,920	18,657,874	904,669
332,705	...	...	752	201,192	1,017,794	70,263	5,044,172	1,247,303	11,998,087	18,337
823,799	...	...	-	-	-	-	394,186	349,258	28,291	-
7,712,538	...	6,109,416	47,966	664	532,762	-	19,040,616	13,590,702	17,324,269	999,944
167,976	...	...	-	-	-	-	1,708,819	1,309,194	868,401	99,234
4,157,697	...	...	-	-	-	-	8,585,784	7,754,202	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(August, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	11,812,554	3,604,917	15,882,017	2,683,314	432,563
(ネット)	"			12,287,848		
石 油 系 燃 料 (原 油 換 算)	"	4,742,746	-	6,510,036	687,376	228,799
原 ガ ナ 改 灯 軽 重	油 (注1)	-	...	-	-	-
ソ	ン	3,002	...	2,956	...	...
フ	サ	2,599,121	...	2,531,790	-	97
質 生 成	油	1,415,605	...	1,406,751	-	-
軽	油	98,563	...	110,746	1,372	11,443
重	油	17,999	...	21,857	3	46
	計	240,444	...	362,466	191,587	8,972
	油	34,261	...	48,744	22,374	3,104
	油	206,183	...	313,722	169,213	5,868
炭 化 水 素	油	51,427	...	143,810	76,995	-
液 化 石 油	ガ ス	482,079	...	465,357	8,598	11,915
石 油 系 炭 化 水 素	ガ ス	20,541	...	1,118,153	160,844	126,774
オ イ ル	コ ー ク ス	194,854	...	355,487	201,487	-
ア ス フ ァ ー ル	ト	-	...	27,868	2,782	25,086
再 生 油 (石 油 由 来)	kl	30,068	-	29,739	1,824	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,069,808	3,604,917	9,371,982	1,995,939	203,764
石 炭	炭 (注2)	7,106,893	...	6,875,349	1,538,325	-
石 炭	コ ー ク ス (注3)	627,718	2,525,456	2,441,849	-	-
タ コ	ー ル	30,217	72,120	37,783	-	-
高 転 電	ガ ス	164,002	1,094,038	905,036	120,538	-
電 気	ガ ス	252,807	9,697,794	6,703,400	2,363,006	-
天 液 都 回 酸 廃 材	ガ ス	20,616	576,808	399,797	118,166	-
市 取	ガ ス	146	6,015	4,415	3,526	-
回 酸 廃 材	ガ ス	44,874	4,810	55,086	15,211	17,340
市 取	ガ ス	135,824	...	131,881	18,773	30,736
回 酸 廃 材	ガ ス (A)	424,527	...	424,527	85,460	123,193
市 取	ガ ス (B)	460,543	...	460,542	92,522	133,027
回 酸 廃 材	液 絶 乾 (Dry)t	985,878	...	986,292	986,292	-
市 取	1000Nm ³	701,219	208,014	858,064	-	-
回 酸 廃 材	液 絶 乾 (Dry)t	196,861	-	189,940	189,354	-
市 取	t	43,967	-	45,420	39,340	-
回 酸 廃 材	ヤ	64,725	7,218	63,804	3,811	-
市 取	ク	59,643	-	63,979	61,365	2

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収 又は生産 Generation, recovery and/or production	合 計	ボイラ用	コージェネ レーション用
合 計 (原 油 換 算)	GJ	457,145,867	139,510,284	614,634,095	103,844,263	16,740,195
(ネット)	"			475,539,724		
石 油 系 燃 料 (原 油 換 算)	"	183,544,279	-	251,938,393	26,601,434	8,854,531
原 ガ ナ 改 灯 軽 重	油 (注1)	-	...	-	-	-
ソ	ン	100,267	...	98,730	...	...
フ	サ	86,550,729	...	84,308,607	-	3,230
質 生 成	油	47,705,889	...	47,407,509	-	-
軽	油	3,597,566	...	4,042,247	50,078	417,670
重	油	683,959	...	830,563	114	1,748
	計	9,951,401	...	15,009,916	7,943,516	366,028
	油	1,332,842	...	1,896,230	870,412	120,746
	油	8,618,559	...	13,113,686	7,073,103	245,282
炭 化 水 素	油	2,057,080	...	5,752,400	3,079,800	-
液 化 石 油	ガ ス	24,152,426	...	23,314,674	430,760	596,942
石 油 系 炭 化 水 素	ガ ス	1,047,591	...	57,025,803	8,203,044	6,465,474
オ イ ル	コ ー ク ス	6,488,638	...	11,837,717	6,709,517	-
ア ス フ ァ ー ル	ト	-	...	1,114,720	111,280	1,003,440
再 生 油 (石 油 由 来)	"	1,208,734	-	1,195,508	73,325	-
非 石 油 系 燃 料 (原 油 換 算)	"	273,601,588	139,510,284	362,695,702	77,242,829	7,885,664
石 炭	炭 (注2)	194,873,424	...	188,449,592	40,150,283	-
石 炭	コ ー ク ス (注3)	18,203,840	73,238,224	70,813,640	-	-
タ コ	ー ル	1,127,094	2,690,076	1,409,306	-	-
高 転 電	ガ ス	3,329,241	22,208,971	18,372,231	2,446,921	-
電 気	ガ ス	902,521	34,621,125	23,931,138	8,435,931	-
天 液 都 回 酸 廃 材	ガ ス	171,731	4,804,811	3,330,309	984,323	-
市 取	ガ ス	1,216	50,105	36,777	29,372	-
回 酸 廃 材	ガ ス	1,907,145	204,425	2,341,155	646,468	736,950
市 取	ガ ス	7,429,573	...	7,213,891	1,026,883	1,681,259
回 酸 廃 材	ガ ス	18,928,316	...	18,928,267	3,802,656	5,467,401
市 取	液 絶 乾 (Dry)t	13,407,941	...	13,413,571	13,413,571	-
回 酸 廃 材	1000Nm ³	4,992,679	1,481,060	6,109,416	...	-
市 取	ヤ	3,366,323	-	3,247,974	3,237,953	-
回 酸 廃 材	ヤ	1,459,704	-	1,507,944	1,306,088	-
市 取	ク	1,896,443	211,487	1,869,457	111,662	-
回 酸 廃 材	ク	1,604,397	-	1,721,035	1,650,719	54

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

(令和3年8月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,766,140	7,025,723	5,511,658	228,759	1,688,660	8,889,975	Total (Crude petroleum equivalent) (Net)
5,593,861	4,182,486	1,306,798	104,577	85,505	1,631,837	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	2,270	429	Crude petroleum
2,956	...	5	2,951	4	1,753	Gasoline
2,531,693	2,529,341	2,223	129	275	726,264	Naphtha
1,406,751	1,406,751	-	-	6,831	8,262	Oil produced by conversion
97,931	85,166	9,084	3,681	80	17,520	Kerosene
21,808	16,392	269	5,147	31	7,809	Gas oils
161,907	50,046	103,157	8,704	1,807	245,874	Heavy Fuel oil total
23,266	-	19,393	3,873	308	56,311	Heavy Fuel oil A
138,641	50,046	83,764	4,831	1,499	189,563	Heavy Fuel oil B・C
66,815	33,035	33,192	588	358	14,838	Hydrocarbon oil
444,844	380,703	36,933	27,208	47,139	107,819	Liquefied petroleum gas
830,535	33,785	761,208	35,542	...	...	Hydrocarbon gas
154,000	68,667	84,801	532	16,091	635,349	Petroleum coke
-	-	-	-	-	-	Asphalt
27,915	-	26,808	1,107	-	10,246	Reproduction oil (Oil origin)
7,172,279	2,843,237	4,204,860	124,182	1,603,155	7,258,138	Non-oil based fuels (Crude petroleum equivalent)
5,337,024	3,729,391	1,606,347	1,286	644,447	7,933,089	Coal
2,441,849	38,770	2,396,134	6,945	734,271	1,956,605	Coal coke
37,783	37,783	-	-	57,039	46,362	Tar
784,498	635	749,915	33,948	339,361	...	Coke oven gas
4,340,394	-	3,987,974	352,420	3,167,048	...	Blast furnace gas
281,631	-	257,976	23,655	174,656	...	Converter furnace gas
889	-	889	-	1,746	...	Electric furnaces gas
22,535	6,544	13,589	2,402	847	16	Natural gas
82,372	22,719	55,260	4,393	13,372	37,081	Liquefied natural gas
215,874	-	184,358	31,516	...	...	Town gas(A)
234,993	-	200,590	34,403	...	...	Town gas(B)
-	-	-	-	-	2,877	Black liquor
858,064	-	772,605	85,459	31,484	1,080	Oxygen
586	-	535	51	106	49,047	Waste material
6,080	20	6,060	-	-	25,437	Used tires
59,993	19,497	38,419	2,077	4,461	32,094	Waste plastic
2,612	-	2,612	-	-	16,046	Refuse Paper & Plastic Fuel
494,049,637	271,895,492	213,301,160	8,852,985	65,351,148	344,042,024	Total (Crude petroleum equivalent) (Net)
216,482,429	161,862,208	50,573,080	4,047,141	3,309,043	63,152,089	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	78,996	15,664	Crude petroleum
98,730	...	167	98,563	134	58,550	Gasoline
84,305,377	84,227,055	74,026	4,296	9,158	24,184,591	Naphtha
47,407,509	47,407,509	-	-	230,205	278,429	Oil produced by conversion
3,574,499	3,108,559	331,584	134,357	2,920	639,482	Kerosene
828,701	622,896	10,222	195,583	1,178	296,742	Gas oils
6,700,372	2,091,923	4,255,759	352,690	74,639	10,114,330	Heavy Fuel oil total
905,072	-	754,408	150,664	11,981	2,190,577	Heavy Fuel oil A
5,795,300	2,091,923	3,501,352	202,026	62,658	7,923,753	Heavy Fuel oil B・C
2,672,600	1,321,400	1,327,680	23,520	14,320	593,520	Hydrocarbon oil
22,286,973	19,073,220	1,850,480	1,363,273	2,361,664	5,401,768	Liquefied petroleum gas
42,357,285	1,723,035	38,821,608	1,812,642	...	...	Hydrocarbon gas
5,128,200	2,286,611	2,823,873	17,716	535,830	21,157,122	Petroleum coke
-	-	-	-	-	-	Asphalt
1,122,183	-	1,077,682	44,501	-	411,889	Reproduction oil (Oil origin)
277,567,208	110,033,284	162,728,080	4,805,844	62,042,104	280,889,935	Non-oil based fuels (Crude petroleum equivalent)
148,299,309	105,393,982	42,871,763	33,565	17,831,740	217,288,040	Coal
70,813,640	1,124,330	69,487,905	201,405	21,293,859	56,741,561	Coal coke
1,409,306	1,409,306	-	-	2,127,555	1,729,303	Tar
15,925,309	12,891	15,223,275	689,144	6,889,028	...	Coke oven gas
15,495,207	-	14,237,067	1,258,139	11,306,361	...	Blast furnace gas
2,345,986	-	2,148,940	197,046	1,454,884	...	Converter furnace gas
7,405	-	7,405	-	14,544	...	Electric furnaces gas
957,738	278,120	577,533	102,085	35,998	680	Natural gas
4,505,748	1,242,729	3,022,722	240,297	731,448	2,028,331	Liquefied natural gas
9,658,210	-	8,244,244	1,413,966	...	...	Town gas
-	-	-	-	-	39,127	Black liquor
6,109,416	-	5,500,948	608,468	224,166	7,690	Oxygen
10,021	-	9,149	872	1,813	838,704	Waste material
201,856	664	201,192	-	-	844,508	Used tires
1,757,795	571,262	1,125,677	60,856	130,707	940,354	Waste plastic
70,263	-	70,263	-	-	431,637	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(August, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	905,393	953,031	876,329	41,304
石 油 系 燃 料 (原 油 換 算)	〃	66,731	72,265	44,784	51
ガ ソ リ ン	〃	6	6	...	...
灯 油	〃	510	602	281	-
軽 油	〃	316	305	3	11
重 油 計	〃	45,187	50,415	31,760	40
A 重 油	〃	4,352	4,358	3,961	40
B・C 重 油	〃	40,835	46,057	27,799	-
炭 化 水 素 油	〃	4,910	4,516	3,325	-
液 化 石 油 ガ ス	t	1,817	1,841	477	-
オ イ ル コ ー ク ス	〃	9,219	9,531	7,232	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,015	1,938	222	-
非 石 油 系 燃 料 (原 油 換 算)	kl	838,662	880,766	831,545	41,253
石 炭	t	388,336	449,914	449,914	-
石 炭 コ ー ク ス	〃	-	464	-	-
天 然 ガ ス	1000m ³	7,201	7,201	1,272	5,544
液 化 天 然 ガ ス	t	7,667	7,756	3,654	3,000
都 市 ガ ス (A)	1000m ³	54,823	54,823	23,341	26,828
都 市 ガ ス (B)	〃	59,238	59,242	25,040	29,117
回 収 黒 液 材	絶乾(Dry)t	985,878	986,292	986,292	-
廃 材	〃	194,012	187,091	186,549	-
廃 タ イ ヤ	t	24,945	24,995	24,995	-
廃 プ ラ ス チ ッ ク	〃	3,776	3,811	3,811	-
R P F	〃	55,621	59,850	59,848	2

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	171,752	170,631	122,682	35,747
石 油 系 燃 料 (原 油 換 算)	〃	28,915	41,016	36,245	665
ガ ソ リ ン	〃	4	4	...	...
灯 油	〃	171	171	28	-
軽 油	〃	13	14	-	7
重 油 計	〃	17,208	17,129	13,174	655
A 重 油	〃	2,001	2,187	1,072	655
B・C 重 油	〃	15,207	14,942	12,102	-
炭 化 水 素 油	〃	28	28	28	-
液 化 石 油 ガ ス	t	354	356	23	-
オ イ ル コ ー ク ス	〃	11,405	25,580	25,580	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	142,837	129,615	86,437	35,082
石 炭	t	136,306	116,710	116,710	-
液 化 天 然 ガ ス	〃	1,274	1,270	930	340
都 市 ガ ス (A)	1000m ³	42,540	42,540	5,828	29,694
都 市 ガ ス (B)	〃	46,241	46,241	6,037	32,581
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	〃	-	-	-	-

(令和3年8月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
35,398	31,222	4,177	8,488	451,392	Total (Crude petroleum equivalent)
27,431	24,290	3,141	1,281	77,207	Oil based fuels (Crude petroleum equivalent)
6	...	6	-	1	Gasoline
321	252	69	8	837	Kerosene
291	2	289	11	24	Gas oils
18,615	17,389	1,226	1,175	60,819	Heavy Fuel oil total
357	327	30	85	6,455	Heavy Fuel oil A
18,258	17,062	1,196	1,090	54,364	Heavy Fuel oil B・C
1,191	1,164	27	-	5,531	Hydrocarbon oil
1,364	741	623	-	293	Liquefied petroleum gas
2,299	1,768	531	-	3,269	Petroleum coke
-	-	-	-	-	Asphalt
1,716	1,549	167	-	2,192	Reproduction oil (Oil origin)
7,968	6,932	1,036	7,206	374,185	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	10,616	481,500	Coal
464	-	464	-	302	Coal coke
385	378	7	-	...	Natural gas
1,102	1,001	101	-	658	Liquefied natural gas
4,654	4,209	445	...	...	Town gas(A)
5,085	4,600	485	...	...	Town gas(B)
-	-	-	-	2,877	Black liquor
542	491	51	106	49,047	Waste material
-	-	-	-	17,050	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	15,806	Refuse Paper & Plastic Fuel
12,202	6,920	5,282	-	154,782	Total (Crude petroleum equivalent)
4,106	2,333	1,773	-	81,218	Oil based fuels (Crude petroleum equivalent)
4	...	4	-	-	Gasoline
143	14	129	-	81	Kerosene
7	-	7	-	9	Gas oils
3,300	2,012	1,288	-	21,311	Heavy Fuel oil total
460	64	396	-	5,810	Heavy Fuel oil A
2,840	1,948	892	-	15,501	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
333	117	216	-	82	Liquefied petroleum gas
-	-	-	-	67,921	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
8,096	4,587	3,509	-	73,564	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	108,556	Coal
-	-	-	-	249	Liquefied natural gas
7,018	4,012	3,006	...	...	Town gas(A)
7,623	4,319	3,304	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(August, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	21,264	1,233,856	339,922	176,418
石 油 系 燃 料 (原 油 換 算)	"	-	1,185,663	318,254	170,518
ガ ソ リ ン	"	...	18	...	...
ナ フ サ	"	...	17,412	-	97
灯 油	"	...	11,982	40	11,443
軽 油	"	...	46	-	-
重 油 計	"	...	119,994	95,859	2,290
A 重 油	"	...	15,926	10,439	1,216
B・C 重 油	"	...	104,068	85,420	1,074
炭 化 水 素 油	"	...	13,201	13,201	-
液 化 石 油 ガ ス	t	...	29,197	535	10,368
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	681,092	110,144	89,472
オ イ ル コ ー ク ス	t	...	61,708	61,708	-
ア ス フ ェ ル ト	"	...	27,868	2,782	25,086
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	21,264	48,192	21,668	5,900
石 炭	t	-	29,946	29,946	-
天 然 ガ ス	1000m ³	-	6,130	198	-
液 化 天 然 ガ ス	t	14,801	14,801	649	4,174
都 市 ガ ス (A)	1000m ³	295	295	289	-
都 市 ガ ス (B)	"	324	324	317	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	34,893	34,246	303	2,516
石 油 系 燃 料 (原 油 換 算)	"	5,324	4,685	2	10
ガ ソ リ ン	"	-	-	...	...
灯 油	"	3	5	2	-
軽 油	"	5	3	-	-
重 油 計	"	4,498	3,900	-	10
A 重 油	"	226	229	-	10
B・C 重 油	"	4,272	3,671	-	-
液 化 石 油 ガ ス	t	49	50	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	396	402	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,570	29,561	301	2,506
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,860	5,854	24	389
都 市 ガ ス (A)	1000m ³	18,475	18,475	231	1,682
都 市 ガ ス (B)	"	20,044	20,044	251	1,842
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年8月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
717,516	86,533	594,870	36,114	Total (Crude petroleum equivalent)
696,891	74,231	587,988	34,672	Oil based fuels (Crude petroleum equivalent)
18	...	...	18	Gasoline
17,315	15,092	2,223	-	Naphtha
499	-	32	467	Kerosene
46	-	1	45	Gas oils
21,845	-	20,825	1,020	Heavy Fuel oil total
4,271	-	4,159	112	Heavy Fuel oil A
17,574	-	16,666	908	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
18,294	13,878	4,415	1	Liquefied petroleum gas
481,476	32,841	423,535	25,100	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
20,625	12,302	6,882	1,442	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,932	2,118	3,458	356	Natural gas
9,978	7,058	2,182	738	Liquefied natural gas
6	-	-	6	Town gas(A)
7	-	-	7	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
31,428	30,875	552	17	4,024	Total (Crude petroleum equivalent)
4,673	4,654	19	17	3,986	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
3	1	2	-	62	Kerosene
3	2	1	2	-	Gas oils
3,890	3,875	15	15	3,539	Heavy Fuel oil total
219	204	15	15	853	Heavy Fuel oil A
3,671	3,671	-	-	2,686	Heavy Fuel oil B・C
50	49	1	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
402	402	-	-	145	Reproduction oil (Oil origin)
26,755	26,221	533	-	38	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,441	5,441	-	-	27	Liquefied natural gas
16,562	16,101	461	...	...	Town gas(A)
17,951	17,449	502	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(August, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,644,917	557,615	6,172,932 5,624,374	688,275	105,947
石油系燃料（原油換算）	"	4,415,183	-	4,926,659	256,184	51,926
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	-	-	-
ガ ソ ー リ ン	"	15	...	16	...	...
ナ フ サ	"	2,599,121	...	2,514,378	-	-
改 質 生 成 油	"	1,415,605	...	1,406,751	...	...
灯 油	"	87,894	...	87,913	63	-
軽 油	"	12,778	...	16,629	-	-
重 油	"	100,983	...	102,791	41,318	756
A 重 油	"	4,414	...	4,489	2,326	679
B・C 重 油	"	96,569	...	98,302	38,992	77
炭 化 水 素 油	"	16,805	...	98,281	60,441	-
液 化 石 油 ガ ス	t	455,676	...	407,463	2,832	1,547
石油系炭化水素ガス（注2）	1000m ³	20,536	...	437,056	50,700	37,302
オ イ ル コ ー ク ス	t	122,734	...	140,931	89,551	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,804	-	1,804	1,602	-
非石油系燃料（原油換算）	kl	1,229,735	557,615	1,246,273	432,091	54,021
石 炭	t	1,450,288	-	1,407,579	551,950	-
石 炭 コ ー ク ス	"	11,983	563,534	12,791	...	-
タ ー ク ス	"	24,932	10,535	28,948	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,567	221,367	96,511	3,236	-
高 炉 ガ ス	"	107,607	-	107,607	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	31,454	4,810	35,533	13,154	9,400
液 化 天 然 ガ ス	t	73,475	...	62,338	10,985	17,389
都 市 ガ ス （ A ）	1000m ³	46,912	...	46,912	12,935	17,919
都 市 ガ ス （ B ）	"	48,939	...	48,939	13,950	18,003
廃 タ イ ヤ	t	13,404	-	14,345	14,345	-
廃 プ ラ ス チ ック	"	3,771	4,986	8,547	-	-
R P F	"	1,517	-	1,517	1,517	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	811,442	-	803,619 803,619	341,875	7,519
石油系燃料（原油換算）	"	132,790	-	143,612	15,833	1,066
ガ ソ ー リ ン	"	22	...	23	...	...
灯 油	"	1,048	...	1,095	69	-
軽 油	"	1,011	...	1,029	-	-
重 油	"	36,095	...	35,983	760	987
A 重 油	"	2,568	...	2,949	514	-
B・C 重 油	"	33,527	...	33,034	246	987
炭 化 水 素 油	"	17,756	...	17,620	-	-
液 化 石 油 ガ ス	t	1,836	...	1,856	-	-
オ イ ル コ ー ク ス	"	54,900	...	68,141	17,416	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	23,128	-	22,772	-	-
非石油系燃料（原油換算）	kl	678,653	-	660,007	326,042	6,453
石 炭	t	885,153	...	856,316	477,964	-
石 炭 コ ー ク ス	"	16,227	-	17,119	-	-
コ ー ク ス 炉 ガ ス	1000m ³	24,054	-	24,054	-	-
高 炉 ガ ス	"	1,341	-	1,341	-	-
転 炉 ガ ス	"	15,537	-	15,537	-	-
電 気 炉 ガ ス	"	146	-	146	-	-
天 然 ガ ス	"	10,459	-	10,459	3,035	5,876
液 化 天 然 ガ ス	t	92	-	92	-	-
都 市 ガ ス （ A ）	1000m ³	7,466	...	7,466	342	-
都 市 ガ ス （ B ）	"	8,097	...	8,095	340	-
廃 材	絶乾(Dry)t	44	-	44	-	-
廃 タ イ ヤ	t	6,058	-	6,060	-	-
廃 プ ラ ス チ ック	"	34,657	-	34,737	-	-
R P F	"	2,505	-	2,612	-	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。
2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,378,711	4,689,095	642,981	46,634	591,532	2,549,302	Total (Crude petroleum equivalent) (Net)
4,618,549	4,085,996	491,862	40,692	69,084	1,078,658	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
-	-	-	-	2,270	219	NGL・condensate
16	...	...	16	-	2	Gasoline
2,514,378	2,514,249	-	129	275	726,264	Naphtha
1,406,751	1,406,751	...	...	6,831	8,262	Oil produced by conversion
87,850	85,166	1,682	1,002	-	7,457	Kerosene
16,629	16,392	-	237	-	6,147	Gas oils
60,717	50,046	8,936	1,735	53	59,321	Heavy Fuel oil total
1,484	-	789	695	53	6,607	Heavy Fuel oil A
59,233	50,046	8,147	1,040	-	52,714	Heavy Fuel oil B・C
37,840	25,891	11,882	67	...	...	Hydrocarbon oil
403,084	366,825	17,923	18,336	46,969	88,222	Liquefied petroleum gas
349,054	944	337,668	10,442	...	...	Hydrocarbon gas
51,380	51,380	-	-	-	296,672	Petroleum coke
-	-	-	-	-	-	Asphalt
202	-	202	-	-	-	Reproduction oil (Oil origin)
760,161	603,099	151,120	5,942	522,448	1,470,644	Non-oil based fuels (Crude petroleum equivalent)
855,629	794,126	60,782	721	17,596	1,785,206	Coal
12,791	9,600	3,191	-	561,763	318,415	Coal coke
28,948	28,948	-	-	4,686	26,235	Tar
93,275	151	92,590	534	130,437	...	Coke oven gas
107,607	-	107,607	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
12,979	4,426	6,605	1,948	847	...	Natural gas
33,964	15,661	18,257	46	11,146	66	Liquefied natural gas
16,058	...	13,476	2,582	...	...	Town gas(A)
16,986	...	14,187	2,798	...	...	Town gas(B)
-	-	-	-	-	2,483	Used tires
8,547	7,073	1,474	-	-	730	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
454,225	9,475	436,740	8,010	5,474	789,783	Total (Crude petroleum equivalent) (Net)
126,713	4,638	117,732	4,342	5,444	164,253	Oil based fuels (Crude petroleum equivalent)
23	...	...	23	-	-	Gasoline
1,026	-	988	38	-	478	Kerosene
1,029	-	236	793	7	102	Gas oils
34,236	-	31,904	2,332	-	43,318	Heavy Fuel oil total
2,435	-	1,708	727	-	5,141	Heavy Fuel oil A
31,801	-	30,196	1,605	-	38,177	Heavy Fuel oil B・C
17,620	-	17,620	-	358	2,728	Hydrocarbon oil
1,856	-	1,715	141	-	174	Liquefied petroleum gas
50,725	5,390	45,334	1	5,889	124,993	Petroleum coke
-	-	-	-	-	-	Asphalt
22,772	-	21,946	826	-	6,452	Reproduction oil (Oil origin)
327,513	4,837	319,008	3,668	30	625,529	Non-oil based fuels (Crude petroleum equivalent)
378,352	696	377,091	565	35	891,719	Coal
17,119	5,828	11,291	-	8	16,511	Coal coke
24,054	-	24,054	-	-	...	Coke oven gas
1,341	-	1,341	-	-	...	Blast furnace gas
15,537	-	15,537	-	-	...	Converter furnace gas
146	-	146	-	-	...	Electric furnaces gas
1,548	-	1,548	-	-	...	Natural gas
92	-	53	39	-	-	Liquefied natural gas
7,124	...	4,258	2,866	...	...	Town gas(A)
7,755	...	4,712	3,043	...	...	Town gas(B)
44	-	44	-	-	-	Waste material
6,060	-	6,060	-	-	6,044	Used tires
34,737	-	34,737	-	-	8,470	Waste plastic
2,612	-	2,612	-	-	240	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(August, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計(原油換算)(注)	kl	4,505,289	3,047,302	6,696,137	579,507	12,318
(ネット)	"	-	-	3,650,525	-	-
石油系燃料(原油換算)	"	68,216	-	113,257	12,859	4,212
ガソリン	"	116	...	109	...	...
灯油	"	5,775	...	5,782	130	-
軽油	"	1,943	...	1,947	-	-
重油計	"	26,692	...	24,869	7,673	3,912
A重油	"	12,895	...	12,808	3,116	183
B・C重油	"	13,797	...	12,061	4,557	3,729
炭化水素油	"	8,858	...	7,144	-	-
液化石油ガス	t	17,283	...	19,525	3,617	-
石油系炭化水素ガス	1000m ³	5	...	5	-	-
オイルコークス	t	1,443	...	54,749	...	-
アスファルト	"	-	...	-	-	-
再生油(石油由来)	kl	109	-	109	-	-
非石油系燃料(原油換算)	kl	4,437,073	3,047,302	6,582,881	566,648	8,107
コークス製造用炭(原料炭)	t	3,351,256	...	3,215,351	-	-
石炭	"	1,505,669	...	1,265,116	320,967	-
石炭コークス	"	592,756	1,961,922	2,403,722	...	-
ターナル	"	5,285	61,585	8,835	-	-
コークス炉ガス	1000m ³	134,381	872,671	784,471	117,302	-
高炉ガス	"	143,859	9,697,794	6,551,993	2,347,491	-
転炉ガス	"	5,079	576,808	384,260	118,166	-
電気炉ガス	"	-	6,015	4,269	3,526	-
天然ガス	"	1,619	-	1,624	220	-
液化天然ガス	t	24,912	...	32,041	1,952	2,307
都市ガス(A)	1000m ³	171,805	...	171,805	35,906	4,194
都市ガス(B)	"	187,654	...	187,653	39,233	4,563
酸素	1000Nm ³	701,219	208,014	858,064	...	-
廃材	絶乾(Dry)t	2,805	-	2,805	2,805	-
廃タイヤ	t	20	-	20	-	-
廃プラスチック	"	24,205	2,232	18,183	-	-
RPF	"	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年8月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,104,312	2,249,464	3,754,891	99,957	1,083,150	5,336,336	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
96,186	22,116	62,530	11,539	9,678	208,332	Oil based fuels (Crude petroleum equivalent)
109	...	5	104	4	23	Gasoline
5,652	...	4,476	1,176	72	3,434	Kerosene
1,947	...	19	1,928	11	113	Gas oils
13,284	-	12,669	615	564	48,842	Heavy Fuel oil total
9,509	...	9,013	496	155	21,167	Heavy Fuel oil A
3,775	-	3,656	119	409	27,675	Heavy Fuel oil B・C
7,144	7,144	-	-	-	5,593	Hydrocarbon oil
15,908	-	9,869	6,039	170	17,543	Liquefied petroleum gas
5	-	5	-	...	...	Hydrocarbon gas
54,749	17,121	37,628	-	10,202	144,806	Petroleum coke
-	-	-	-	-	-	Asphalt
109	-	109	-	-	674	Reproduction oil (Oil origin)
6,008,126	2,227,348	3,692,361	88,418	1,073,471	5,128,004	Non-oil based fuels (Crude petroleum equivalent)
3,215,351	2,877,456	337,895	-	361,312	3,655,149	Coal for making coke (material coal)
944,149	57,322	886,827	-	254,888	1,622,957	Coal
2,403,722	28,956	2,369,314	5,452	172,500	1,622,040	Coal coke
8,835	8,835	-	-	52,353	20,127	Tar
667,169	484	633,271	33,414	208,924	...	Coke oven gas
4,204,502	-	3,852,082	352,420	3,167,048	...	Blast furnace gas
266,094	-	242,439	23,655	174,656	...	Converter furnace gas
743	-	743	-	1,746	...	Electric furnaces gas
1,404	-	1,340	64	-	16	Natural gas
27,782	-	25,112	2,670	2,226	35,504	Liquefied natural gas
131,705	...	124,770	6,935	...	...	Town gas(A)
143,857	...	136,264	7,593	...	...	Town gas(B)
858,064	-	772,605	85,459	31,484	1,080	Oxygen
-	-	-	-	-	-	Waste material
20	20	-	-	-	851	Used tires
18,183	12,424	3,682	2,077	4,461	23,624	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(August, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	37,118	44,601	2,472	2
石 油 系 燃 料 (原 油 換 算)	"	17,739	18,002	767	2
ガ ソ リ ン	"	3	3	...	...
灯 油	"	1,360	1,424	222	-
軽 油	"	291	289	-	-
重 油	"	9,045	9,219	544	2
A 重 油	"	3,539	3,749	405	1
B・C 重 油	"	5,506	5,470	139	1
炭 化 水 素 油	"	3,069	3,020	-	-
液 化 石 油 ガ ス	t	554	536	-	-
オ イ ル コ ー ク ス	"	66	71	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,616	2,714	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	19,379	26,599	1,705	-
石 炭	t	736	4,534	-	-
石 炭	"	15,240	16,262	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	42,459	15,515	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,209	2,192	114	-
都 市 ガ ス (A)	1000m ³	3,890	3,890	96	-
都 市 ガ ス (B)	"	4,087	4,087	106	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	140,190	138,150	17,038	59,851
石 油 系 燃 料 (原 油 換 算)	"	18,651	16,637	3,301	361
ガ ソ リ ン	"	2,916	2,855	...	...
灯 油	"	2,385	2,345	549	-
軽 油	"	2,074	2,024	-	28
重 油	"	4,983	3,093	1,333	332
A 重 油	"	4,983	3,093	1,333	332
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	-	-	-
液 化 石 油 ガ ス	t	5,281	5,301	1,114	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	121,539	121,513	13,737	59,490
石 炭	t	-	-	-	-
石 炭	"	411	374	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	3,166	3,164	332	2,396
液 化 天 然 ガ ス	t	7,301	7,304	585	3,545
都 市 ガ ス (A)	1000m ³	92,486	92,486	10,827	44,618
都 市 ガ ス (B)	"	101,161	101,161	11,813	48,821
廃 プ ラ ス チ ック	t	-	-	-	-
廃 P F	"	-	-	-	-

(令和3年8月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
42,128	39,490	2,637	23,515	Total (Crude petroleum equivalent)
17,233	15,702	1,531	8,626	Oil based fuels (Crude petroleum equivalent)
3	...	3	2	Gasoline
1,202	1,036	166	444	Kerosene
289	3	286	26	Gas oils
8,673	8,335	338	5,885	Heavy Fuel oil total
3,343	3,015	328	2,110	Heavy Fuel oil A
5,330	5,320	10	3,775	Heavy Fuel oil B・C
3,020	2,526	494	986	Hydrocarbon oil
536	442	94	79	Liquefied petroleum gas
71	71	-	55	Petroleum coke
-	-	-	-	Asphalt
2,714	2,600	114	783	Reproduction oil (Oil origin)
24,894	23,788	1,106	14,888	Non-oil based fuels (Crude petroleum equivalent)
4,534	4,534	-	13,430	Coal
16,262	15,233	1,029	7,570	Coal coke
-	-	-	...	Coke oven gas
26,944	26,944	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
-	-	-	...	Natural gas
2,078	1,841	237	112	Liquefied natural gas
3,794	3,794	-	...	Town gas(A)
3,981	3,981	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
61,261	32,531	28,730	21,221	Total (Crude petroleum equivalent)
12,975	4,237	8,739	20,501	Oil based fuels (Crude petroleum equivalent)
2,855	...	2,855	1,741	Gasoline
1,796	1,143	653	5,050	Kerosene
1,996	6	1,990	1,414	Gas oils
1,428	322	1,106	10,939	Heavy Fuel oil total
1,428	322	1,106	10,802	Heavy Fuel oil A
-	-	-	137	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
4,187	2,185	2,002	1,421	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
48,285	28,294	19,991	720	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
374	374	-	84	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
436	409	27	...	Natural gas
3,174	2,477	697	465	Liquefied natural gas
37,041	20,721	16,320	...	Town gas(A)
40,527	22,658	17,868	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(August, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,895,913	8,843,067	9,052,846	6,717,959	1,443,639
事業所重複分補正量	1,205,238	229,694	975,544	910,502	29,229
パルプ・紙・板紙工業	2,335,597	355,707	1,979,890	1,824,670	130,621
化学工業	3,790,829	1,579,124	2,211,705	1,733,454	308,886
化学繊維工業	570,567	195,825	374,742	262,870	111,293
石油製品工業	1,584,973	205,811	1,379,162	753,719	608,660
窯業・土石製品工業	1,642,750	346,473	1,296,277	1,170,279	24,037
ガラス製品工業	109,535	97,016	12,519	-	7,941
鉄鋼業(注2)	6,178,575	3,775,195	2,403,380	1,880,340	52,067
非鉄金属地金工業	499,801	363,665	136,136	3,105	7
機械工業	2,388,524	2,153,945	234,579	24	229,356

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	43,855,962	3,164,765	40,691,197	33,060,471	2,305,878
事業所重複分補正量	3,560,042	40,128	3,519,914	3,450,225	41,820
パルプ・紙・板紙工業	12,421,410	47,284	12,374,126	12,059,582	268,229
化学工業	14,157,917	2,303,205	11,854,712	9,240,995	692,368
化学繊維工業	1,871,861	98,447	1,773,414	1,575,039	190,309
石油製品工業	7,332,396	338,194	6,994,202	5,139,609	1,120,927
窯業・土石製品工業	4,572,684	6,855	4,565,829	4,270,257	41,053
ガラス製品工業	10,576	-	10,576	3,697	6,879
鉄鋼業	6,722,683	373,811	6,348,872	4,191,756	27,930
非鉄金属地金工業	326,477	37,097	289,380	29,761	3

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年8月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費 Consumptions	販売電力(売電) Shipment	Industry
Generation by own power station				
水 力 Hydraulic	そ の 他 Other			
198,960	692,288	15,415,842	2,480,071	Total
33,507	2,306	1,064,819	140,419	Duplication adjustment
19,788	4,811	2,051,306	284,291	Pulp,Paper,Paperboard industry
74,646	94,719	3,277,895	512,934	Chemical products industry
-	579	497,549	73,018	Chemical fibers products industry
...	16,783	994,584	590,389	Petroleum products industry
33,507	68,454	1,401,159	241,591	Ceramics,clay and stone products industry
4,571	7	109,496	39	Glass products industry
92	470,881	5,289,060	889,515	Iron and steel products industry
	(炉頂圧) 247,403			
99,863	33,161	474,672	25,129	Non-ferrous metals products industry
...	5,199	2,384,940	3,584	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam その 他 Other	消 費 Consumptions				払 出 Shipment	Industry
	計 Total	生産工程用 for Production	自家発電用 for Private Power generation	その他用 Other		
5,324,848	41,876,786	19,272,477	19,785,900	2,818,409	1,979,176	Total
27,869	3,479,270	940,529	2,538,233	508	80,772	Duplication adjustment
46,315	12,335,309	5,041,405	7,011,263	282,641	86,101	Pulp,Paper,Paperboard industry
1,921,349	12,900,328	7,727,812	4,598,773	573,743	1,257,589	Chemical products industry
8,066	1,848,673	897,770	910,320	40,583	23,188	Chemical fibers products industry
733,666	6,974,906	3,860,333	2,633,521	481,052	357,490	Petroleum products industry
254,519	4,485,266	765,328	3,675,977	43,961	87,418	Ceramics,clay and stone products industry
-	10,576	9,318	-	1,258	-	Glass products industry
2,129,186	6,476,362	1,796,280	3,461,577	1,218,505	246,321	Iron and steel products industry
259,616	324,636	114,760	32,702	177,174	1,841	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(August, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	574,687	564,066	195,406	244,665	123,995	2,516	8,105	120,541
石 油 系 燃 料 (原 油 換 算)	〃	27,431	26,688	23,594	2,932	162	590	152	4,106
ガ ソ リ ン	〃	6	5	2	3	-	-	1	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	321	258	38	217	3	46	17	143
軽 油	〃	291	261	162	57	42	7	23	7
重 油 計	〃	18,615	18,013	17,381	565	67	496	106	3,300
A 重 油	〃	357	249	6	177	66	2	106	460
B・C 重 油	〃	18,258	17,764	17,375	388	1	494	-	2,840
炭 化 水 素 油	〃	1,191	1,191	1,191	-	-	-	-	-
液 化 石 油 ガ ス	t	1,364	1,356	9	1,331	16	3	5	333
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,299	2,299	2,015	284	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,716	1,716	1,587	100	29	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,968	7,805	1,544	5,487	774	62	101	8,096
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	464	464	464	-	-	-	-	-
天 然 ガ ス	1000m ³	385	385	-	385	-	-	-	-
液 化 天 然 ガ ス	t	1,102	1,102	676	250	176	-	-	-
都 市 ガ ス (A)	1000m ³	4,654	4,508	1	4,062	445	54	92	7,018
都 市 ガ ス (B) (注 2)	〃	5,084	4,932	1	4,436	495	58	95	7,623
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	542	542	542	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,051,306	1,967,516	555,537	962,763	449,216	12,287	71,503	497,549
蒸 気	t	5,041,405	5,013,603	1,715,676	2,122,159	1,175,768	10,443	17,359	897,770

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	886,635	865,342	302,543	391,211	171,588	3,048	18,244	176,795
石 油 系 燃 料 (原 油 換 算)	〃	67,572	66,061	35,900	22,110	8,051	662	850	38,642
ガ ソ リ ン	〃	6	5	2	3	-	-	1	4
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	536	472	78	264	130	48	17	171
軽 油	〃	303	264	162	57	45	7	32	13
重 油 計	〃	47,354	46,349	24,981	14,092	7,276	521	484	15,390
A 重 油	〃	3,951	3,656	311	2,653	692	23	272	1,929
B・C 重 油	〃	43,403	42,694	24,670	11,440	6,584	498	211	13,461
炭 化 水 素 油	〃	4,354	4,087	2,455	1,632	-	-	267	26
液 化 石 油 ガ ス	t	1,841	1,798	9	1,773	16	38	5	356
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	8,166	8,166	5,138	3,028	-	-	-	24,984
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,927	1,911	1,672	184	55	-	16	-
非 石 油 系 燃 料 (原 油 換 算)	kl	781,050	763,325	262,187	348,476	152,662	1,382	16,343	113,132
石 炭	t	383,485	382,536	126,301	175,996	80,239	451	498	104,470
石 炭 コ ー ク ス	〃	464	464	464	-	-	-	-	-
天 然 ガ ス	1000m ³	7,074	7,074	1,930	4,728	416	-	-	-
液 化 天 然 ガ ス	t	6,639	6,463	676	858	4,929	176	-	1,151
都 市 ガ ス (A)	1000m ³	50,594	46,864	283	17,032	29,549	625	3,105	35,608
都 市 ガ ス (B) (注 2)	〃	54,624	50,593	310	18,137	32,146	641	3,390	38,652
回 収 黒 液	絶乾(Dry)t	915,167	889,704	397,161	455,376	37,167	274	25,190	-
廃 材	〃	151,832	148,591	38,856	48,781	60,954	112	3,129	-
廃 タ イ ヤ	t	22,080	21,207	7,990	8,696	4,521	-	873	-
廃 プ ラ ス チ ッ ク	〃	3,626	3,623	1,250	2,223	150	-	2	-
R P F	〃	52,544	50,497	12,539	19,259	18,699	3	2,043	-
電 力	1000kWh	373,504	353,429	47,898	192,330	113,201	8,770	11,305	195,825
蒸 気	t	47,284	44,558	-	39,558	5,000	2,727	-	98,447

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年8月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
36,925	760	82,855	1,076,868	1,070,409	6,459	42,258	41,141	1,116	Total (Crude petroleum equivalent)
1,181	10	2,915	696,891	696,814	77	4,673	4,616	57	Oil based fuels (Crude petroleum equivalent)
1	-	3	18	14	4	-	-	-	Gasoline
-	-	-	17,315	17,315	-	-	-	-	Naphtha
62	-	81	499	495	4	3	1	2	Kerosene
2	-	5	46	15	31	3	3	-	Gas oils
1,029	-	2,271	21,845	21,845	-	3,890	3,835	55	Heavy Fuel oil total
25	-	435	4,271	4,271	-	219	164	55	Heavy Fuel oil A
1,004	-	1,836	17,574	17,574	-	3,671	3,671	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
8	8	317	18,294	18,294	-	50	50	-	Liquefied petroleum gas
-	-	-	481,476	481,446	30	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
472	12	7,613	20,625	20,625	-	26,755	26,592	163	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,932	5,932	-	-	-	-	Natural gas
-	-	-	9,978	9,978	-	5,441	5,441	-	Liquefied natural gas
412	10	6,596	6	6	-	16,562	16,422	140	Town gas(A)
444	11	7,168	7	7	-	17,951	17,797	153	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
129,642	4,919	362,988	994,584	932,583	62,001	109,496	99,862	9,634	Electricity
335,826	4,060	557,884	3,860,333	3,851,452	8,881	9,318	9,318	-	Steam
46,662	910	129,224	1,143,415	1,129,665	13,750	43,468	42,352	1,116	Total (Crude petroleum equivalent)
11,648	249	26,745	1,054,508	1,042,054	12,454	4,685	4,628	57	Oil based fuels (Crude petroleum equivalent)
1	-	3	18	14	4	-	-	-	Gasoline
-	-	-	17,379	17,372	8	-	-	-	Naphtha
62	-	109	8,254	7,332	921	5	3	2	Kerosene
2	-	11	46	15	31	3	3	-	Gas oils
4,896	84	10,410	98,269	96,404	1,866	3,900	3,845	55	Heavy Fuel oil total
196	67	1,666	15,807	15,746	61	229	174	55	Heavy Fuel oil A
4,700	17	8,744	82,462	80,657	1,805	3,671	3,671	-	Heavy Fuel oil B・C
22	-	4	10,907	10,907	-	-	-	-	Hydrocarbon oil
8	8	340	26,076	25,387	689	50	50	-	Liquefied petroleum gas
-	-	-	631,690	627,475	4,215	-	-	-	Hydrocarbon gas
7,297	178	17,509	35,829	34,692	1,137	-	-	-	Petroleum coke
-	-	-	17,833	15,792	2,041	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
21,244	113	91,775	46,385	46,159	226	29,337	29,174	163	Non-oil based fuels (Crude petroleum equivalent)
21,779	-	82,690	29,119	28,945	173	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	6,121	6,121	-	-	-	-	Natural gas
852	-	299	13,925	13,925	-	5,723	5,723	-	Liquefied natural gas
4,635	99	30,874	295	201	94	18,442	18,302	140	Town gas(A)
5,040	107	33,506	323	220	103	20,007	19,854	153	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
84,237	4,117	107,471	205,811	199,134	6,677	101,548	91,914	9,634	Electricity
85,848	2,386	10,213	338,194	331,708	6,486	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(August, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	6,217,789	5,227,880	5,036,418	4,033,761	1,002,657
石 油 系 燃 料 (原 油 換 算)	"	4,618,549	4,557,404	4,516,249	4,030,566	485,683
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	16	2	2	...	2
ナフサ	"	2,514,378	2,504,243	2,504,243	2,504,243	-
改質生成油	"	1,406,751	1,406,751	1,406,751	1,406,751	...
灯油	"	87,850	84,685	84,685	84,527	158
軽油	"	16,629	16,377	16,377	16,376	1
重油	"	60,717	51,827	51,827	50,026	1,801
A重油	"	1,484	438	438	-	438
B・C重油	"	59,233	51,389	51,389	50,026	1,363
炭化水素油	"	37,840	32,446	32,446	23,880	8,566
液化石油ガス	t	403,084	385,083	385,043	367,177	17,866
石油系炭化水素ガス	1000m ³	349,054	347,078	343,380	668	342,712
オイルコークス	t	51,380	42,125	20	20	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	202	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	760,161	59,108	26,222	3,194	23,027
石炭	t	855,629	26	-	-	-
石炭コークス	"	12,791	2,325	-	...	-
タール	"	28,948	-	-	-	-
コークス炉ガス	1000m ³	93,275	1,062	116	-	116
高転炉ガス	"	107,607	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	12,979	4,777	4,682	-	4,682
液化天然ガス	t	33,964	27,632	10,882	2,260	8,622
都市ガス(A)	1000m ³	16,058	7,644	4,872	...	4,872
都市ガス(B)	"	16,986	8,205	5,309	...	5,309
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	8,547	4,986	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	3,277,895	2,104,223	1,164,666	...	1,164,666
電 気	t	7,727,812	6,012,993	5,578,674	...	5,578,674

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,315,901	5,223,264	4,975,894	4,033,761	942,134
石 油 系 燃 料 (原 油 換 算)	"	4,819,234	4,716,700	4,660,963	4,030,566	630,397
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	-	-	-	-	-
ガソリン	"	16	2	2	...	2
ナフサ	"	2,514,378	2,504,243	2,504,243	2,504,243	-
改質生成油	"	1,406,751	1,406,751	1,406,751	1,406,751	-
灯油	"	87,895	84,721	84,719	84,527	192
軽油	"	16,629	16,377	16,377	16,376	1
重油	"	91,310	75,756	73,364	50,026	23,338
A重油	"	3,776	2,115	1,502	-	1,502
B・C重油	"	87,534	73,641	71,862	50,026	21,836
炭化水素油	"	79,326	71,936	71,781	23,880	47,901
液化石油ガス	t	405,491	387,454	387,377	367,177	20,200
石油系炭化水素ガス	1000m ³	414,017	397,789	391,354	668	390,686
オイルコークス	t	91,475	66,720	15,054	20	15,034
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	1,804	1,602	1,602	-	1,602
非 石 油 系 燃 料 (原 油 換 算)	kl	1,184,235	272,039	129,628	3,194	126,433
石炭	t	1,332,964	212,734	68,286	-	68,286
石炭コークス	"	12,791	2,325	-	-	-
タール	"	28,948	-	-	-	-
コークス炉ガス	1000m ³	96,478	1,891	367	-	367
高転炉ガス	"	107,607	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	35,438	12,665	7,649	-	7,649
液化天然ガス	t	56,186	47,745	28,660	2,260	26,400
都市ガス(A)	1000m ³	45,028	25,850	20,313	-	20,313
都市ガス(B)	"	46,911	26,413	20,582	-	20,582
廃プラスチック	t	13,475	13,475	13,475	-	13,475
廃プラスチック	"	8,547	4,986	-	-	-
RPF	"	1,517	1,517	1,517	-	1,517
電 力	1000kWh	1,647,240	1,091,981	616,706	-	616,706
電 気	t	2,303,205	1,923,350	1,850,884	-	1,850,884

(令和3年8月)

(化学工業製品 Chemicals products industry)				その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products			ソーダ工業製品 Soda products		
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels			
94,587	58,124	36,462	96,876	989,908	Total (Crude petroleum equivalent)
41,155	36,230	4,925	-	61,145	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	...	-	-	14	Gasoline
-	-	-	-	10,135	Naphtha
-	...	...	...	-	Oil produced by conversion
-	-	-	-	3,165	Kerosene
-	-	-	-	252	Gas oils
-	-	-	-	8,890	Heavy Fuel oil total
-	-	-	-	1,046	Heavy Fuel oil A
-	-	-	-	7,844	Heavy Fuel oil B・C
-	-	-	-	5,394	Hydrocarbon oil
40	-	40	-	18,001	Liquefied petroleum gas
3,698	-	3,698	-	1,976	Hydrocarbon gas
42,105	42,105	-	-	9,255	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	202	Reproduction oil (Oil origin)
30,672	21,894	8,777	2,214	701,054	Non-oil based fuels (Crude petroleum equivalent)
26	26	-	-	855,603	Coal
-	...	-	2,325	10,466	Coal coke
-	-	-	-	28,948	Tar
946	-	946	-	92,213	Coke oven gas
-	-	-	-	107,607	Blast furnace gas
-	-	-	-	-	Converter furnace gas
-	-	-	95	8,202	Natural gas
16,686	12,807	3,879	64	6,332	Liquefied natural gas
2,514	...	2,514	258	8,414	Town gas(A)
2,635	...	2,635	261	8,781	Town gas(B)
-	-	-	-	-	Used tires
4,986	4,986	-	-	3,561	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
83,394	...	83,394	856,163	1,173,672	Electricity
217,044	...	217,044	217,275	1,714,819	Steam
98,253	58,124	40,129	149,117	1,092,637	Total (Crude petroleum equivalent)
48,083	36,230	11,853	7,655	102,533	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	-	-	-	14	Gasoline
-	-	-	-	10,135	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	2	3,174	Kerosene
-	-	-	-	252	Gas oils
1,234	-	1,234	1,158	15,554	Heavy Fuel oil total
9	-	9	604	1,661	Heavy Fuel oil A
1,225	-	1,225	554	13,893	Heavy Fuel oil B・C
96	-	96	59	7,390	Hydrocarbon oil
40	-	40	37	18,037	Liquefied petroleum gas
6,424	-	6,424	11	16,228	Hydrocarbon gas
44,317	42,105	2,212	7,349	24,755	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	202	Reproduction oil (Oil origin)
42,946	21,894	21,052	99,465	912,195	Non-oil based fuels (Crude petroleum equivalent)
10,628	26	10,602	133,820	1,120,230	Coal
-	-	-	2,325	10,466	Coal coke
-	-	-	-	28,948	Tar
1,524	-	1,524	-	94,588	Coke oven gas
-	-	-	-	107,607	Blast furnace gas
-	-	-	-	-	Converter furnace gas
2,951	-	2,951	2,065	22,773	Natural gas
17,743	12,807	4,936	1,342	8,441	Liquefied natural gas
2,592	-	2,592	2,946	19,177	Town gas(A)
2,716	-	2,716	3,115	20,498	Town gas(B)
-	-	-	-	-	Used tires
4,986	4,986	-	-	3,561	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
51,148	-	51,148	424,127	555,259	Electricity
35,673	-	35,673	36,793	379,855	Steam

(August, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	637,467	493,598	401,514	342,832	58,682
石油系燃料（原油換算）	〃	126,713	115,106	71,903	70,291	1,612
ガソリン	〃	23	17	10	...	10
灯油	〃	1,026	618	151	139	12
軽油	〃	1,029	605	508	188	320
重油計	〃	34,236	32,225	3,273	2,263	1,010
A重油	〃	2,435	1,993	1,301	1,024	277
B・C重油	〃	31,801	30,232	1,972	1,239	733
炭化水素油	〃	17,620	17,620	16,779	16,610	169
液化石油ガス	t	1,856	353	1	-	1
オイルコークス	〃	50,725	45,133	38,666	38,666	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	22,772	20,939	16,559	16,528	31
非石油系燃料（原油換算）	kl	327,514	319,398	278,747	272,541	6,206
石炭	t	378,352	376,764	364,563	363,999	564
石炭コークス	〃	17,119	10,425	183	183	-
コークス炉ガス	1000m ³	24,054	24,054	98	-	98
高炉ガス	〃	1,341	1,341	56	-	56
転炉ガス	〃	15,537	15,537	1,700	-	1,700
電気炉ガス	〃	146	146	-	-	-
天然ガス	〃	1,548	1,548	-	-	-
液化天然ガス	t	92	92	-	-	-
都市ガス（A）	1000m ³	7,124	6,326	1,988	329	1,659
都市ガス（B）	〃	7,756	6,888	2,098	360	1,738
廃材	絶乾(Dry)t	44	44	44	44	-
廃タイヤ	t	6,060	6,060	6,060	6,060	-
廃プラスチック	〃	34,737	33,274	32,466	27,768	4,698
RPF	〃	2,612	2,612	421	421	-
電	力 1000kWh	1,401,159	585,713	513,514	...	513,514
蒸	気 t	765,328	66,701	44,783	...	44,783

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	785,194	545,424	453,867	342,832	111,035
石油系燃料（原油換算）	〃	142,861	130,802	86,912	70,291	16,622
ガソリン	〃	23	17	10	-	10
灯油	〃	1,095	687	151	139	12
軽油	〃	1,029	605	508	188	320
重油計	〃	35,353	33,027	3,475	2,263	1,212
A重油	〃	2,923	2,472	1,377	1,024	353
B・C重油	〃	32,429	30,555	2,098	1,239	859
炭化水素油	〃	17,620	17,620	16,779	16,610	169
液化石油ガス	t	1,856	353	1	-	1
オイルコークス	〃	68,057	62,336	55,863	38,666	17,197
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	22,772	20,939	16,559	16,528	31
非石油系燃料（原油換算）	kl	606,513	391,429	350,466	272,542	77,925
石炭	t	777,139	475,335	462,899	363,999	98,900
石炭コークス	〃	17,119	10,425	183	183	-
コークス炉ガス	1000m ³	24,054	24,054	98	-	98
高炉ガス	〃	1,341	1,341	56	-	56
転炉ガス	〃	15,537	15,537	1,700	-	1,700
電気炉ガス	〃	146	146	-	-	-
天然ガス	〃	10,459	6,528	4,916	-	4,916
液化天然ガス	t	92	92	-	-	-
都市ガス（A）	1000m ³	7,378	6,406	1,988	329	1,659
都市ガス（B）	〃	8,004	6,968	2,099	360	1,738
廃材	絶乾(Dry)t	44	44	44	44	-
廃タイヤ	t	6,060	6,060	6,060	6,060	-
廃プラスチック	〃	34,737	33,274	32,466	27,768	4,698
RPF	〃	2,612	2,612	421	421	-
電	力 1000kWh	379,980	247,496	176,857	-	176,857
蒸	気 t	6,855	2,444	530	-	530

(令和3年8月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
29,289	24,958	4,330	62,795	143,869	Total (Crude petroleum equivalent)	
19,994	19,659	335	23,209	11,607	Oil based fuels (Crude petroleum equivalent)	
2	...	2	5	6	Gasoline	
1	-	1	466	408	Kerosene	
2	-	2	95	424	Gas oils	
18,096	17,948	148	10,856	2,011	Heavy Fuel oil total	
148	-	148	544	442	Heavy Fuel oil A	
17,948	17,948	-	10,312	1,569	Heavy Fuel oil B・C	
-	-	-	841	-	Hydrocarbon oil	
351	211	140	1	1,503	Liquefied petroleum gas	
-	-	-	6,467	5,592	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,380	1,833	Reproduction oil (Oil origin)	
5,782	5,299	482	34,869	8,117	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	12,201	1,588	Coal	
-	-	-	10,242	6,694	Coal coke	
-	-	-	23,956	-	Coke oven gas	
-	-	-	1,285	-	Blast furnace gas	
-	-	-	13,837	-	Converter furnace gas	
-	-	-	146	-	Electric furnace gas	
881	881	-	667	-	Natural gas	
39	-	39	53	-	Liquefied natural gas	
4,042	3,666	376	296	798	Town gas(A)	
4,481	4,079	402	309	868	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	808	1,463	Waste plastic	
-	-	-	2,191	-	Refuse Paper & Plastic Fuel	
31,367	...	31,367	40,832	815,446	Electricity	
8,621	...	8,621	13,297	698,627	Steam	
28,818	24,959	3,859	62,739	239,771	Total (Crude petroleum equivalent)	
20,114	19,659	455	23,776	12,058	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	6	Gasoline	
1	-	1	535	408	Kerosene	
2	-	2	95	424	Gas oils	
18,208	17,948	260	11,344	2,326	Heavy Fuel oil total	
149	-	149	946	452	Heavy Fuel oil A	
18,059	17,948	111	10,398	1,875	Heavy Fuel oil B・C	
-	-	-	841	-	Hydrocarbon oil	
351	211	140	1	1,503	Liquefied petroleum gas	
-	-	-	6,473	5,722	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	4,380	1,833	Reproduction oil (Oil origin)	
5,801	5,300	501	35,162	215,083	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	12,436	301,805	Coal	
-	-	-	10,242	6,694	Coal coke	
-	-	-	23,956	-	Coke oven gas	
-	-	-	1,285	-	Blast furnace gas	
-	-	-	13,837	-	Converter furnace gas	
-	-	-	146	-	Electric furnace gas	
881	881	-	731	3,931	Natural gas	
39	-	39	53	-	Liquefied natural gas	
4,059	3,666	393	359	972	Town gas(A)	
4,499	4,080	420	370	1,036	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	808	1,463	Waste plastic	
-	-	-	2,191	-	Refuse Paper & Plastic Fuel	
30,775	-	30,775	39,864	132,484	Electricity	
579	-	579	1,335	4,411	Steam	

(August, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,635,805	5,159,014	363,092	12,321	2,726,308	63,841	296,140	176,499	
石 油 系 燃 料 (原 油 換 算)	〃	113,257	89,883	115	97	34,086	2,311	7,937	6,289	
ガ ソ リ ン	〃	109	47	-	-	-	-	-	-	
灯 油	〃	5,782	5,660	-	-	-	59	579	28	
軽 油	〃	1,947	1,662	-	-	4	52	142	141	
重 油 計	〃	24,869	24,750	-	90	1,260	1,834	1,318	284	
A 重 油	〃	12,808	12,689	-	-	45	420	1,174	284	
B・C 重 油	〃	12,061	12,061	-	90	1,215	1,414	144	-	
炭 化 水 素 油	〃	7,144	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	19,525	18,992	-	-	357	136	4,543	4,510	
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	54,749	37,628	134	-	37,494	-	-	-	
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	109	109	-	-	-	76	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,582,887	4,184,383	327,867	10,273	2,628,184	44,798	144,827	115,714	
コークス製造用炭(原料炭)	t	3,215,351	337,895	-	-	337,895	-	-	-	
石 炭	〃	1,265,116	1,265,116	98,181	8,994	762,992	37,275	36,707	33,749	
石 炭 コ ー ク ス	〃	2,403,722	2,389,358	330,438	4,334	2,008,236	24,204	16,845	4,732	
タ ー ク ル	〃	8,835	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	784,471	640,197	23,662	1,829	81,247	238	29,696	28,535	
高 炉 ガ ス	〃	6,551,993	5,196,036	9,669	-	2,338,867	81	738	689	
転 炉 ガ ス	〃	384,260	328,937	1,353	-	96,202	215	1,472	1,352	
電 気 炉 ガ ス	〃	4,269	4,269	-	-	-	743	-	-	
天 然 ガ ス	〃	1,624	1,621	-	-	-	-	207	-	
液 化 天 然 ガ ス	t	32,041	32,029	-	-	10	165	416	2	
都 市 ガ ス (A)	1000m ³	171,805	166,438	380	-	4,246	131	8,176	3,074	
都 市 ガ ス (B)	〃	187,659	181,790	416	-	4,650	143	8,936	3,373	
酸 素	1000Nm ³	858,064	857,889	...	...	382,832	4,315	439,207	381,150
廢 材	絶乾(Dry)t	2,805	2,805	-	-	-	-	-	-	
廢 タ イ ヤ	t	20	20	-	-	-	-	20	20	
廢 プ ラ ス チ ッ ク	〃	18,183	3,032	-	-	2,552	6	474	474	
R P F	〃	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,289,060	4,953,079	367,324	19,969	433,431	177,929	1,331,962	398,743	
蒸 気	気 t	6,476,362	6,134,090	13,596	1,355	343,139	2,598	281,707	251,785	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,896,827	4,413,535	374,518	14,133	2,763,315	68,184	322,208	196,782
石 油 系 燃 料 (原 油 換 算)	〃	111,226	87,111	859	161	36,457	6,191	9,480	7,614
ガ ソ リ ン	〃	109	47	-	-	-	-	-	-
灯 油	〃	5,776	5,652	-	-	-	67	617	28
軽 油	〃	1,947	1,662	-	-	4	52	142	141
重 油 計	〃	23,235	22,911	495	90	2,505	5,374	2,270	1,055
A 重 油	〃	11,728	11,562	109	-	341	554	1,640	569
B・C 重 油	〃	11,507	11,349	386	90	2,165	4,820	630	486
炭 化 水 素 油	〃	7,144	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	19,261	18,326	168	50	1,166	182	4,940	4,907
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	54,749	37,628	134	-	37,494	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	109	109	-	-	-	76	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,408,576	3,974,030	350,823	13,856	2,698,465	48,664	204,017	164,862
コークス製造用炭(原料炭)	t	3,215,351	337,895	-	-	337,895	-	-	-
石 炭	〃	1,134,920	1,119,117	102,639	10,449	785,326	38,613	67,402	56,383
石 炭 コ ー ク ス	〃	2,403,722	2,389,358	330,438	4,334	2,008,236	24,204	16,845	4,732
タ ー ク ル	〃	8,835	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	753,916	600,010	30,773	2,565	98,738	915	41,944	40,195
高 炉 ガ ス	〃	5,981,687	4,447,636	146,514	23,065	2,754,026	21,299	251,112	245,671
転 炉 ガ ス	〃	351,366	289,111	7,558	211	109,111	409	12,716	11,892
電 気 炉 ガ ス	〃	4,269	3,521	-	-	-	3,390	-	-
天 然 ガ ス	〃	1,624	1,621	-	-	-	-	207	-
液 化 天 然 ガ ス	t	31,120	30,967	100	-	103	165	1,339	173
都 市 ガ ス (A)	1000m ³	164,188	157,060	2,209	37	8,424	165	12,695	5,370
都 市 ガ ス (B)	〃	179,362	171,562	2,411	40	9,203	180	13,872	5,875
酸 素	1000Nm ³	858,064	857,889	...	...	382,832	4,315	439,207	381,150
廢 材	絶乾(Dry)t	1,280	1,280	-	-	-	-	-	-
廢 タ イ ヤ	t	20	20	-	-	-	-	20	20
廢 プ ラ ス チ ッ ク	〃	18,183	3,032	-	-	2,552	6	474	474
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,775,260	3,541,567	242,778	699	263,753	141,883	1,142,782	236,399
蒸 気	気 t	373,811	331,952	3,635	724	55,816	1,895	34,807	33,502

(令和3年8月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
119,640	14,193	4,102	522,587	896,035	260,396	2,438,562	38,229	Total	
1,648	1,680	1,731	13,526	16,978	11,421	22,141	1,233	(Crude petroleum equivalent)	
-	-	-	1	-	46	-	62	Oil based fuels	
551	451	745	2,416	115	1,295	1	121	(Crude petroleum equivalent)	
1	40	9	7	-	1,408	25	260	Gasoline	
1,034	1,094	397	4,531	11,617	2,609	-	119	Kerosene	
890	1,094	393	3,738	3,331	2,494	-	119	Gas oils	
144	-	4	793	8,286	115	-	-	Heavy Fuel oil total	
-	-	-	-	-	-	7,144	-	Heavy Fuel oil A	
33	89	479	5,111	3,531	4,746	-	533	Heavy Fuel oil B・C	
-	-	-	5	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	-	-	Liquefied petroleum gas	
-	-	-	-	-	-	17,121	-	Hydrocarbon gas	
33	-	-	-	-	-	-	-	Petroleum coke	
29,113	8,396	762	350,651	603,631	64,993	2,386,655	11,850	Asphalt	
-	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
2,958	-	-	-	-	-	2,877,110	346	Non-oil based fuels	
12,113	-	2	-	320,967	-	...	-	(Crude petroleum equivalent)	
-	-	-	-	-	5,299	14,280	84	Coal for making coke (material coal)	
1,161	464	24	351,231	124,854	26,952	140,092	4,182	Coal	
49	258	-	146,128	2,570,436	129,859	1,353,973	1,984	Coal coke	
120	628	-	98,164	122,722	8,181	39,806	15,517	Tar	
-	-	-	-	3,526	-	-	-	Coke oven gas	
207	139	-	975	220	80	-	3	Blast furnace gas	
414	1,326	142	21,761	4,192	4,017	-	12	Converter furnace gas	
5,102	5,095	437	84,492	43,116	20,365	407	4,960	Electric furnace gas	
5,563	5,579	477	92,190	47,057	22,342	446	5,423	Natural gas	
58,057	227	223	11,240	...	19,845	...	175	Liquefied natural gas	
-	-	-	-	2,805	-	-	-	Town gas(A)	
-	-	-	-	-	-	-	-	Town gas(B)	
-	-	-	-	-	-	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
933,219	43,557	16,656	1,406,148	134,942	1,021,161	166,762	169,219	Electricity	
29,922	957	846	399,375	3,803,066	1,287,451	206,200	136,072	Steam	
125,425	14,325	4,115	567,827	-	284,911	2,434,280	49,013	Total	
1,866	1,680	1,735	16,059	-	14,490	22,323	1,792	(Crude petroleum equivalent)	
-	-	-	1	-	46	-	62	Oil based fuels	
589	451	745	2,420	-	1,353	1	123	(Crude petroleum equivalent)	
1	40	9	7	-	1,408	25	260	Gasoline	
1,215	1,094	400	6,156	-	4,526	80	245	Kerosene	
1,071	1,094	396	4,324	-	3,104	1	166	Gas oils	
144	-	4	1,832	-	1,422	79	79	Heavy Fuel oil total	
-	-	-	-	-	-	7,144	-	Heavy Fuel oil A	
33	89	479	5,743	-	5,510	74	861	Heavy Fuel oil B・C	
-	-	-	5	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	-	-	Liquefied petroleum gas	
-	-	-	-	-	-	17,121	-	Hydrocarbon gas	
-	-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
39,155	8,605	788	457,737	-	191,077	2,399,632	34,914	Non-oil based fuels	
-	-	-	-	-	-	2,877,110	346	(Crude petroleum equivalent)	
11,019	-	-	54,546	-	60,142	1,758	14,044	Coal for making coke (material coal)	
12,113	-	2	-	-	5,299	14,280	84	Coal	
-	-	-	-	-	-	8,835	-	Coal coke	
1,749	464	24	370,798	-	53,789	144,920	8,986	Tar	
5,441	259	-	578,130	-	673,232	1,429,627	104,425	Coke oven gas	
824	628	-	122,088	-	36,389	43,937	18,317	Blast furnace gas	
-	-	-	-	-	131	-	748	Converter furnace gas	
207	139	-	1,169	-	106	-	3	Electric furnace gas	
1,166	1,474	142	22,547	-	5,097	81	73	Natural gas	
7,325	5,095	459	96,094	-	31,883	1,506	5,622	Liquefied natural gas	
7,997	5,578	501	104,857	-	34,921	1,649	6,151	Town gas(A)	
58,057	227	223	11,240	...	19,845	...	175	Town gas(B)	
-	-	-	584	-	696	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
906,383	42,728	16,552	974,528	-	715,864	118,383	115,310	Electricity	
1,305	950	767	48,868	-	184,491	18,993	22,866	Steam	

(August, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	Copper		溶錬工程 Fusing and mixing process		電解工程 Electrolytic process	溶錬工程 Fusing and mixing process
合計 (原油換算)	kl	94,215	81,771	28,716	22,025	6,691	6,841	6,179	662	
石油系燃料 (原油換算)	"	17,233	15,054	5,510	5,510	-	699	359	341	
ガソリン	"	3	3	-	-	-	-	-	-	
灯油	"	1,202	231	30	30	-	-	-	-	
軽油	"	289	86	4	4	-	-	-	-	
重油計	"	8,673	8,229	4,376	4,376	-	369	144	225	
A重油	"	3,343	2,909	432	432	-	369	144	225	
B・C重油	"	5,330	5,320	3,944	3,944	-	-	-	-	
炭化水素油	"	3,020	2,526	310	310	-	-	-	-	
液化石油ガス	t	536	454	358	358	-	1	-	1	
オイルコークス	"	71	71	-	-	-	71	71	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,714	2,714	-	-	-	256	147	109	
非石油系燃料 (原油換算)	kl	24,893	24,567	3,743	3,743	-	5,005	5,005	-	
石炭	t	4,534	4,534	4,391	4,391	-	134	134	-	
石炭コークス	"	16,262	16,247	596	596	-	5,580	5,580	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	26,944	26,944	-	-	-	7,120	7,120	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	-	-	-	-	-	-	-	-	
液化天然ガス	t	2,078	2,078	237	237	-	54	54	-	
都市ガス (A)	1000m ³	3,794	3,523	-	-	-	-	-	-	
都市ガス (B)	"	3,981	3,683	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	474,672	388,172	157,495	98,764	58,731	11,052	7,635	3,417	
		114,760	87,390	69,624	51,864	17,760	1,574	1,520	54	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	87,738	75,995	22,704	17,419	5,285	6,903	6,239	664
石油系燃料 (原油換算)	"	17,957	15,629	5,873	5,653	221	721	380	341
ガソリン	"	3	3	-	-	-	-	-	-
灯油	"	1,419	448	247	30	217	-	-	-
軽油	"	289	86	4	4	-	-	-	-
重油計	"	9,179	8,587	4,524	4,508	15	391	166	225
A重油	"	3,709	3,127	440	439	2	391	166	225
B・C重油	"	5,470	5,460	4,084	4,070	14	-	-	-
炭化水素油	"	3,020	2,526	310	310	-	-	-	-
液化石油ガス	t	536	454	358	358	-	1	-	1
オイルコークス	"	71	71	-	-	-	71	71	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,714	2,714	-	-	-	256	147	109
非石油系燃料 (原油換算)	kl	26,291	25,495	3,743	3,743	-	5,204	5,204	-
石炭	t	4,534	4,534	4,391	4,391	-	134	134	-
石炭コークス	"	16,262	16,247	596	596	-	5,580	5,580	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	39,464	35,520	-	-	-	9,061	9,061	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,170	2,141	237	237	-	68	68	-
都市ガス (A)	1000m ³	3,890	3,564	-	-	-	-	-	-
都市ガス (B)	"	4,086	3,729	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	439,959	362,357	135,692	84,205	51,486	10,334	6,917	3,417
		37,097	16,836	6,724	2,749	3,975	239	160	80

(令和3年8月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
25,277	15,989	9,288	9,046	10,012	1,878	12,444	Total (Crude petroleum equivalent)	
1,148	573	575	1,436	5,904	356	2,179	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
7	7	-	133	57	4	971	Kerosene	
7	7	-	14	61	-	203	Gas oils	
599	531	68	1,180	1,584	121	444	Heavy Fuel oil total	
284	216	68	307	1,396	121	434	Heavy Fuel oil A	
315	315	-	873	188	-	10	Heavy Fuel oil B・C	
-	-	-	-	2,216	-	494	Hydrocarbon oil	
1	1	-	34	56	4	82	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
488	-	488	-	1,753	217	-	Reproduction oil (Oil origin)	
10,362	2,397	7,965	2,140	3,114	202	327	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	9	-	Coal	
10,065	2,249	7,816	-	-	6	15	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
19,824	614	19,210	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
647	409	238	243	765	132	-	Liquefied natural gas	
64	64	-	1,524	1,930	5	271	Town gas(A)	
72	72	-	1,692	1,914	5	297	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
143,442	138,906	4,536	58,593	10,678	6,912	86,500	Electricity	
6,124	1,415	4,709	276	-	9,792	27,370	Steam	
25,476	16,003	9,473	9,058	10,012	1,842	11,742	Total (Crude petroleum equivalent)	
1,282	635	647	1,436	5,904	412	2,328	Oil based fuels (Crude petroleum equivalent)	
1	1	-	2	-	-	-	Gasoline	
7	7	-	133	57	4	971	Kerosene	
7	7	-	14	61	-	203	Gas oils	
732	593	139	1,180	1,584	177	592	Heavy Fuel oil total	
417	278	139	307	1,396	177	582	Heavy Fuel oil A	
315	315	-	873	188	0	10	Heavy Fuel oil B・C	
-	-	-	-	2,216	-	494	Hydrocarbon oil	
1	1	-	34	56	4	82	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
488	-	488	-	1,753	217	-	Reproduction oil (Oil origin)	
11,074	2,449	8,625	2,140	3,114	221	795	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	9	-	Coal	
10,065	2,249	7,816	-	-	6	15	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
26,297	659	25,638	-	-	162	3,944	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
695	409	285	243	765	133	29	Liquefied natural gas	
104	104	-	1,524	1,930	6	326	Town gas(A)	
117	117	-	1,691	1,914	6	357	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
141,048	138,884	2,164	58,593	10,678	6,013	77,602	Electricity	
-	-	-	460	-	9,413	20,261	Steam	

(August, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	283,116	202,625	3,588	5,133	25,606
石油系燃料（原油換算）	〃	12,975	7,708	451	787	182
ガソリン	〃	2,855	1,597	-	2	1
灯油	〃	1,796	916	1	157	70
軽油	〃	1,996	439	224	3	1
重油計	〃	1,428	1,051	2	605	45
A重油	〃	1,428	1,051	2	605	45
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	4,187	3,072	176	20	53
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	48,285	26,039	862	625	913
石炭	t	-	-	-	-	-
石炭コークス	〃	374	374	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	436	436	-	-	-
液化天然ガス	t	3,174	960	-	96	14
都市ガス（A）	1000m ³	37,041	20,586	740	419	757
都市ガス（B）	〃	40,527	22,526	811	461	841
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,384,940	1,815,440	24,460	40,006	263,502

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	325,531	237,616	3,669	5,683	30,093
石油系燃料（原油換算）	〃	14,478	9,151	452	947	555
ガソリン	〃	2,855	1,597	-	2	1
灯油	〃	1,858	973	1	211	73
軽油	〃	2,024	464	224	3	5
重油計	〃	2,041	1,617	3	714	86
A重油	〃	2,041	1,617	3	714	86
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	-	-	-	-	-
液化石油ガス	t	4,805	3,687	176	20	304
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	110,686	77,487	1,032	1,274	6,806
石炭	t	-	-	-	-	-
石炭コークス	〃	374	374	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	2,975	2,970	-	-	1,363
液化天然ガス	t	6,945	3,781	-	158	195
都市ガス（A）	1000m ³	83,775	59,067	886	902	4,426
都市ガス（B）	〃	91,640	64,594	972	989	4,740
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,153,945	1,623,017	23,491	37,213	244,367

(令和3年8月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
65,301	4,873	98,125	80,491	Total (Crude petroleum equivalent)
463	30	5,796	5,268	Oil based fuels (Crude petroleum equivalent)
3	-	1,591	1,258	Gasoline
-	-	688	880	Kerosene
1	3	207	1,557	Gas oils
109	-	290	377	Heavy Fuel oil total
109	-	290	377	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
270	21	2,532	1,115	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,472	142	22,026	22,246	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	374	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	435	-	Natural gas
-	-	850	2,214	Liquefied natural gas
1,257	121	17,292	16,455	Town gas(A)
1,385	133	18,895	18,001	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
681,184	50,537	755,751	569,500	Electricity
76,622	4,884	116,664	87,915	Total (Crude petroleum equivalent)
1,023	30	6,144	5,327	Oil based fuels (Crude petroleum equivalent)
3	-	1,591	1,258	Gasoline
-	-	688	885	Kerosene
1	3	228	1,560	Gas oils
377	-	438	424	Heavy Fuel oil total
377	-	438	424	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
495	21	2,671	1,118	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
18,319	165	49,890	33,200	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	374	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	1,606	5	Natural gas
-	-	3,428	3,164	Liquefied natural gas
15,702	141	37,010	24,708	Town gas(A)
17,249	155	40,489	27,045	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
615,757	50,410	651,779	530,928	Electricity

(August, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	-	-	721,887	8,262	5,397
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	4
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	50
板 ガ ラ ス Sheet Glass	...	-	-	-	-
石 灰 Lime	...	-	-	-	216
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	92
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	190
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	71

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭コークスにはピッチコークスを含む。

(令和3年8月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
6,125	1,120	22,841	79,244	28,641	55,756	-
-	123	1,630	426	77,157	20,782	-
-	1,334	1,191	18	17,397	218,936	884
15	1,936	13,383	-	112,335	458,889	339
-	96	14,267	92	-	-	-
26	948	5,022	-	5,860	15,223	7,954
-	640	3,487	55	-	13,371	31
-	243	-	-	55	55	3,553
1	350	110	-	-	-	3,958
1	80	114	7	-	-	-
16	277	61	8	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(August, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	529,253	-	130,747	5,487	-
石 油 系 燃 料 (原 油 換 算)	"	75,461	-	9,723	4,858	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	5,401	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	88	-	83	-	-
A 重 油	"	76	-	-	-	-
B・C 重 油	"	2,620	-	38	25	-
炭 化 水 素 油	"	14,475	-	7,576	-	-
液 化 石 油 ガ ス	t	513	-	513	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	4,524	-	228	3,733	-
オ イ ル コ ー ク ス	t	24,035	-	-	-	-
ア ス フ ェ ル ト	t	16,491	-	695	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	130	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	434,846	-	116,961	124	-
石 炭 コ ー ク ス	t	372,174	-	105,603	-	-
コ ー ク ス 炉 ガ ス	1000m ³	76,162	-	464	-	-
高 炉 ガ ス	"	43,864	-	-	-	-
液 化 天 然 ガ ス	t	319,843	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,462	-	83	88	-
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	t	104,311	-	104,311	...	...
R P F	t	6,136	-	7	-	-
	"	1,368	-	1,368	-	-
電 力	1000kWh	501,810	-	250,136	3,614	-
う ち 購 入 分	"	116,351	-	23,889	3,614	-
蒸 気	t	2,814,453	-	1,511,755	5,361	-
う ち 受 入 分	"	90,884	-	-	2,438	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	483,432	-	161,579	122,785	142
石 油 系 燃 料 (原 油 換 算)	"	184,906	-	5,666	108,862	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	3	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	102,545	-	-	102,545	-
軽 油	"	972	-	14	-	-
A 重 油	"	205	-	4	-	-
B・C 重 油	"	4,101	-	579	325	-
炭 化 水 素 油	"	8,959	-	3,834	-	-
液 化 石 油 ガ ス	t	1,200	-	163	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	13,852	-	142	11,839	-
オ イ ル コ ー ク ス	t	42,728	-	-	2,969	-
ア ス フ ェ ル ト	t	4,531	-	483	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,262	-	152	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	259,009	-	153,111	10,245	-
石 炭 コ ー ク ス	t	209,294	-	99,699	13,793	-
コ ー ク ス 炉 ガ ス	1000m ³	12,140	-	-	-	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	42,459	-	-	-	-
都 市 ガ ス (B)	1000m ³	6,344	-	-	667	-
回 収 黒 液	絶乾(Dry)t	783	-	-	-	-
廃 プ ラ ス チ ッ ク	t	158,947	-	158,947	...	...
R P F	t	5,964	-	184	-	-
	"	11,578	-	11,565	-	-
電 力	1000kWh	797,259	-	311,868	42,143	754
う ち 購 入 分	"	378,787	-	30,114	19,517	754
蒸 気	t	2,550,125	-	1,947,139	170,960	1,037
う ち 受 入 分	"	45,043	-	-	26,937	1,037

(令和3年8月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
42,748	40,709	-	306,280	-	3,282	Total (Crude petroleum equivalent)
42,748	1,639	-	16,432	-	61	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
5,401	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	5	-	-	Kerosene
1	6	-	69	-	-	Gas oils
-	468	-	2,088	-	1	Heavy Fuel oil A
5,949	950	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
24,035	-	-	517	-	46	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	15,796	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	130	-	-	-	-	Reproduction oil (Oil origin)
-	37,747	-	277,385	-	2,629	Non-oil based fuels (Crude petroleum equivalent)
-	50,579	-	215,992	-	-	Coal
-	183	-	75,515	-	-	Coal coke
-	166	-	43,698	-	-	Coke oven gas
-	-	-	319,843	-	-	Blast furnace gas
-	-	-	431	-	1,860	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,256	-	1,873	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
34,334	49,676	-	148,246	-	15,804	Electricity
-	14,194	-	68,285	-	6,369	among those purchased
178,340	135,479	-	983,518	-	...	Steam
-	41	-	88,405	-	...	among those accepted
55,291	33,809	1,737	68,471	31,112	8,507	Total (Crude petroleum equivalent)
55,291	4,260	182	7,243	2,545	857	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	3	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	2	2	248	89	617	Kerosene
-	110	1	10	78	2	Gas oils
2	144	176	2,087	601	187	Heavy Fuel oil A
841	20	-	4,226	38	-	Heavy Fuel oil B・C
-	394	-	-	643	-	Hydrocarbon oil
1,533	-	2	260	12	64	Liquefied petroleum gas
39,759	-	-	-	-	-	Hydrocarbon gas
-	3,977	-	-	71	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	149	-	-	961	-	Reproduction oil (Oil origin)
-	26,679	315	49,177	17,111	2,370	Non-oil based fuels (Crude petroleum equivalent)
-	31,221	-	60,304	4,277	-	Coal
-	-	-	1,340	10,800	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	42,459	-	Blast furnace gas
-	-	223	3,921	1,533	-	Liquefied natural gas
-	-	-	-	47	736	Town gas(B)
...	...	...	...	...	...	Black liquor
-	5,780	-	-	-	-	Waste plastic
-	13	-	-	-	-	Refuse Paper & Plastic Fuel
36,350	37,802	13,290	169,022	123,822	62,208	Electricity
3	30,848	8,758	129,545	102,491	56,757	among those purchased
221,533	36,209	-	9,309	163,938	...	Steam
-	-	-	-	17,069	...	among those accepted

(August, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,551,220	37,252	179,798	2,574,883	12,183
石 油 系 燃 料 (原 油 換 算)	"	2,846,568	5,291	12,991	2,318,935	255
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	845	5	1	7	2
改 質 生 成 油	"	1,345,677	-	-	1,345,580	-
灯 質 生 成 油	"	422,601	-	-	422,601	-
軽 油	"	42,385	44	235	29,121	-
A 重 油	"	18,621	197	28	16,576	-
B ・ C 重 油	"	6,030	183	1,043	80	-
炭 化 水 素 油	"	72,544	338	10,676	8,126	125
液 化 石 油 ガ ス	t	57,062	-	-	38,331	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	272,843	6	23	250,072	91
オ イ ル コ ー ク ス	t	513,704	-	-	249,532	-
ア ス フ ァ ル ト	"	60,920	5,224	-	53,964	-
再 生 油 (石 油 由 来)	kl	25,086	-	-	-	-
		9,373	-	127	1,804	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,367,235	21,451	151,533	114,954	11,716
石 炭 コ ー ク ス	t	1,399,470	10,873	16,457	10,873	-
コ ー ク ス 炉 ガ ス	1000m ³	748,494	5,614	-	5,614	-
高 炉 ガ ス	"	243,471	-	-	3,205	-
液 化 天 然 ガ ス	t	1,975,886	-	-	-	-
都 市 ガ ス (B)	1000m ³	23,155	-	4,245	13,835	-
回 収 黒 液	絶乾(Dry)t	180,418	-	38,611	25,732	11,032
廃 プ ラ ス チ ッ ク	t	129,115	-	129,115	...	...
R P F	"	25,859	-	290	4,986	-
	"	20,422	-	17,830	-	-
電 力	1000kWh	4,102,868	125,683	432,107	1,105,914	29,066
う ち 購 入 分	"	2,501,645	67,128	148,768	721,127	2,284
蒸 気	t	11,052,647	88,560	1,920,136	4,150,662	57,409
う ち 受 入 分	"	1,361,628	16,613	20,758	1,004,957	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,798,678	5,906	113,386	563,344	15,279
石 油 系 燃 料 (原 油 換 算)	"	724,113	77	16,584	484,923	4,014
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,014	9	-	1	-
改 質 生 成 油	"	210,825	-	-	205,303	-
灯 質 生 成 油	"	178,344	-	-	178,344	-
軽 油	"	3,827	50	73	26	123
A 重 油	"	865	3	43	5	7
B ・ C 重 油	"	17,526	19	460	509	450
炭 化 水 素 油	"	31,861	-	8,357	2,344	561
液 化 石 油 ガ ス	t	24,599	-	3,840	15,752	28
石 油 系 炭 化 水 素 ガ ス	1000m ³	49,225	-	127	39,653	58
オ イ ル コ ー ク ス	t	138,208	-	-	35,773	-
ア ス フ ァ ル ト	"	54,884	-	3,313	40,831	3,171
再 生 油 (石 油 由 来)	kl	2,782	-	-	-	-
		8,327	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	901,480	4,660	90,557	53,676	5,352
石 炭 コ ー ク ス	t	517,108	-	8,720	41,258	-
コ ー ク ス 炉 ガ ス	1000m ³	226,124	-	-	-	-
高 炉 ガ ス	"	74,805	-	-	-	-
液 化 天 然 ガ ス	t	912,003	-	-	-	-
都 市 ガ ス (B)	1000m ³	27,593	-	1,736	17,992	147
回 収 黒 液	絶乾(Dry)t	85,189	4,388	2,142	396	4,844
廃 プ ラ ス チ ッ ク	t	142,324	-	142,324	...	...
R P F	"	7,124	-	3,261	-	-
	"	8,622	-	8,622	-	-
電 力	1000kWh	2,477,979	15,736	217,292	287,019	68,904
う ち 購 入 分	"	1,653,838	12,561	54,739	115,889	52,925
蒸 気	t	4,668,853	-	1,169,379	1,201,794	84,382
う ち 受 入 分	"	239,272	-	16,683	197,817	14,318

(令和3年8月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
521,037	118,899	13,268	2,080,101	15,456	72,847	Total (Crude petroleum equivalent)
467,988	28,009	1,787	13,476	2,674	5,744	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
13	8	-	42	3	774	Gasoline
97	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
11,498	127	-	667	44	737	Kerosene
16	688	2	396	54	1,058	Gas oils
1,858	503	43	1,165	852	669	Heavy Fuel oil A
41,440	9,559	1,555	920	481	-	Heavy Fuel oil B・C
13,201	1,793	-	3,318	419	-	Hydrocarbon oil
17,539	92	48	2,887	35	2,062	Liquefied petroleum gas
264,167	-	-	5	-	-	Hydrocarbon gas
-	8,596	-	3,584	-	-	Petroleum coke
25,086	-	-	-	-	-	Asphalt
-	6,746	-	-	696	-	Reproduction oil (Oil origin)
19,004	75,730	9,407	1,975,679	2,767	27,895	Non-oil based fuels (Crude petroleum equivalent)
17,687	56,325	-	1,309,001	-	-	Coal
-	9,679	-	736,270	2,249	296	Coal coke
-	10,172	-	230,094	-	-	Coke oven gas
-	-	-	1,975,886	-	-	Blast furnace gas
-	39	2,100	687	123	2,126	Liquefied natural gas
324	2,527	6,063	72,046	855	23,228	Town gas(B)
...	...	...	...	...	...	Black liquor
-	11,778	-	8,805	-	-	Waste plastic
-	2,592	-	-	-	-	Refuse Paper & Plastic Fuel
417,675	228,971	24,995	1,410,572	105,686	473,565	Electricity
126,179	129,034	22,294	957,924	39,674	421,489	among those purchased
2,849,215	223,637	2,205	1,934,495	3,448	...	Steam
322,734	579	-	26,570	2,643	...	among those accepted
186,750	47,114	5,136	725,973	10,657	136,945	Total (Crude petroleum equivalent)
172,091	27,513	1,286	10,873	3,167	3,740	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,011	Gasoline
5,522	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	370	2	3,196	4	83	Kerosene
25	85	-	404	39	260	Gas oils
13,554	108	10	1,154	323	977	Heavy Fuel oil A
9,377	9,433	793	289	707	-	Heavy Fuel oil B・C
-	3,825	-	-	1,154	-	Hydrocarbon oil
4,398	-	-	3,691	100	1,198	Liquefied petroleum gas
102,435	-	-	-	-	-	Hydrocarbon gas
-	6,169	-	1,400	-	-	Petroleum coke
2,782	-	-	-	-	-	Asphalt
-	7,238	402	-	687	-	Reproduction oil (Oil origin)
13,288	16,219	2,839	670,234	2,169	51,806	Non-oil based fuels (Crude petroleum equivalent)
12,259	9,930	-	444,941	-	-	Coal
-	531	-	225,146	447	-	Coal coke
-	3,115	-	71,690	-	-	Coke oven gas
-	-	-	912,003	-	-	Blast furnace gas
3,552	-	440	3,529	-	197	Liquefied natural gas
-	4,363	2,087	26,909	1,727	47,109	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,810	-	2,053	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
171,243	53,997	10,909	669,770	34,188	980,393	Electricity
8,249	36,304	10,872	480,990	31,395	875,036	among those purchased
1,596,908	69,787	510	546,093	-	...	Steam
8,736	67	-	1,651	-	...	among those accepted

(August, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	2,025,482	38,109	41,782	749,016	73,373
石 油 系 燃 料 (原 油 換 算)	"	623,483	1,004	949	446,021	2,291
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	304	1	1	7	1
改 フ サ	"	149,608	-	-	149,237	-
灯 質 生 成 油	"	206,547	-	-	206,547	-
軽 油	"	455	-	1	85	-
A 重 油	"	738	189	13	26	7
B・C 重 油	"	3,065	811	73	787	1,717
炭 化 水 素 油	"	71,832	-	-	56,619	514
液 化 石 油 ガ ス	t	14,048	-	-	4,676	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	43,186	2	5	38,524	2
オ イ ル コ ー ク ス	1000m ³	117,743	-	-	15,923	-
ア ス フ ァ ル ト	t	5,510	-	-	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
	kl	2,379	-	823	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,282,896	26,388	38,556	277,801	61,906
石 炭 コ ー ク ス	t	895,196	19,286	7,578	314,716	48,547
コ ー ク ス 炉 ガ ス	"	295,299	-	-	-	-
高 炉 ガ ス	1000m ³	132,583	-	-	17,054	-
液 化 天 然 ガ ス	"	1,128,342	-	-	107,607	-
都 市 ガ ス (B)	t	36,785	1,767	-	21,051	498
回 収 黒 液	1000m ³	141,542	10,248	16,947	15,936	26,799
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	30,012	-	30,012	...	...
R P F	t	296	-	-	-	-
	"	685	-	678	-	-
電 力	1000kWh	1,904,379	166,014	83,287	282,360	216,815
う ち 購 入 分	"	1,058,263	115,215	24,471	178,756	92,550
蒸 気	t	3,795,235	245,185	479,155	927,800	664,225
う ち 受 入 分	"	298,801	-	-	123,922	8,193

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,890,113	310,419	109,590	1,504,651	58,785
石 油 系 燃 料 (原 油 換 算)	"	1,415,706	5,198	10,157	1,089,023	22,017
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	77	63	-	1	1
改 フ サ	"	539,660	-	-	533,639	-
灯 質 生 成 油	"	320,639	-	-	320,639	-
軽 油	"	59,875	288	24	57,984	48
A 重 油	"	686	35	12	6	-
B・C 重 油	"	9,251	31	233	670	20
炭 化 水 素 油	"	66,082	3,545	4,883	19,559	6,180
液 化 石 油 ガ ス	t	35,594	-	-	31,321	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	56,662	755	-	48,779	205
オ イ ル コ ー ク ス	1000m ³	232,542	-	-	108,047	-
ア ス フ ァ ル ト	t	135,082	-	4,509	42,105	17,444
再 生 油 (石 油 由 来)	"	-	-	-	-	-
	kl	1,369	-	707	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,287,241	300,926	96,833	361,977	33,984
石 炭 コ ー ク ス	t	1,829,503	439,958	21,050	487,713	45,165
コ ー ク ス 炉 ガ ス	"	685,502	3,269	-	3,191	-
高 炉 ガ ス	1000m ³	198,480	-	-	1,434	-
液 化 天 然 ガ ス	"	1,542,129	-	-	-	-
都 市 ガ ス (B)	t	15,610	-	212	7,570	625
回 収 黒 液	1000m ³	40,718	607	1,315	4,458	2,486
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	177,690	-	177,690	...	...
R P F	t	2,726	1,474	21	1,474	-
	"	11,957	-	10,440	1,517	-
電 力	1000kWh	3,189,645	751,301	200,219	1,179,208	98,346
う ち 購 入 分	"	1,636,139	28,705	27,951	246,733	14,946
蒸 気	t	10,072,504	3,145,525	1,355,932	5,398,859	641,463
う ち 受 入 分	"	505,859	23,515	-	444,135	20,176

(令和3年8月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
151,263	59,992	23,271	924,468	3,176	37,252	Total
141,774	23,335	1,430	6,311	712	1,664	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	292	(Crude petroleum equivalent)
371	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
4	40	1	97	54	173	Naphtha
3	14	-	383	25	456	Oil produced by conversion
79	284	-	213	521	202	Kerosene
5,688	6,255	1,323	1,433	-	-	Gas oils
-	9,372	-	-	-	-	Heavy Fuel oil A
806	260	-	3,127	3	461	Heavy Fuel oil B・C
101,820	-	-	-	-	-	Hydrocarbon oil
-	5,510	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	1,419	-	32	105	-	Asphalt
7,244	34,162	17,000	856,434	1,886	14,294	Reproduction oil (Oil origin)
-	44,775	-	498,866	-	-	Non-oil based fuels
-	537	-	294,762	-	-	(Crude petroleum equivalent)
-	2,040	-	113,489	-	-	Coal
-	1,189	-	1,019,546	-	-	Coal coke
5,125	-	3,091	6,391	293	2,103	Coke oven gas
-	1,103	11,894	67,064	1,386	10,661	Blast furnace gas
...	...	...	...	...	...	Liquefied natural gas
-	290	-	6	-	-	Town gas(B)
-	7	-	-	-	-	Black liquor
96,661	65,546	57,246	1,026,606	6,213	235,659	Waste plastic
24,100	26,815	52,036	539,703	6,140	228,907	Refuse Paper & Plastic Fuel
491,857	311,227	7,861	1,157,507	788	...	Electricity
47	2	-	166,637	-	...	among those purchased
						Steam
						among those accepted
271,127	351,952	98	1,854,590	9,908	39,830	Total
258,323	11,553	-	25,715	2,071	2,046	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	62	-	73	(Crude petroleum equivalent)
6,021	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
480	393	-	851	174	209	Naphtha
1	33	-	350	90	229	Oil produced by conversion
431	497	-	5,710	1,105	616	Kerosene
29,368	4,490	-	4,495	652	-	Gas oils
-	447	-	3,826	-	-	Heavy Fuel oil A
2,604	512	-	4,587	3	727	Heavy Fuel oil B・C
124,495	-	-	-	-	-	Hydrocarbon oil
61,708	4,635	-	4,681	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	662	-	-	-	-	Petroleum coke
8,656	336,065	-	1,734,239	1,700	14,714	Asphalt
-	482,048	-	1,233,485	-	-	Reproduction oil (Oil origin)
-	5,361	-	677,975	2,166	78	Non-oil based fuels
-	4,943	-	192,103	-	-	(Crude petroleum equivalent)
-	152	-	1,541,977	-	-	Coal
6,124	53	-	948	-	78	Coal coke
-	102	-	19,559	72	13,333	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	1,474	-	1,231	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
200,119	762,154	1,056	1,136,686	67,851	295,307	Black liquor
39,637	43,426	1,056	979,196	63,892	248,007	Waste plastic
1,388,176	3,001,812	-	1,392,886	38,901	...	Refuse Paper & Plastic Fuel
6,677	4,267	-	51,321	2,798	...	Electricity
						among those purchased
						Steam
						among those accepted

(August, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	768,383	-	181,192	455,511	30,222
石 油 系 燃 料 (原 油 換 算)	"	235,928	-	9,623	175,903	12,186
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	10	-	4	-	-
改 質 生 成 油	"	679	-	-	679	-
灯 油	"	152,043	-	-	152,043	-
軽 油	"	1,344	-	4	220	-
A 重 油	"	280	-	204	-	-
B ・ C 重 油	"	2,569	-	1,783	10	-
炭 化 水 素 油	"	25,465	-	5,384	7,547	7,327
液 化 石 油 ガ ス	t	3,741	-	-	1,757	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	8,743	-	1,316	3,690	-
オ イ ル コ ー ク ス	t	34,947	-	-	18,583	-
ア ス フ ァ ル ト	"	11,391	-	-	4,031	4,965
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		254	-	100	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	480,124	-	168,893	248,560	16,657
石 炭 コ ー ク ス	t	541,108	-	151,271	306,844	22,998
コ ー ク ス 炉 ガ ス	1000m ³	8,418	-	-	3,986	-
高 炉 ガ ス	"	42,780	-	-	42,780	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,584	-	1,480	244	-
回 収 黒 液	絶乾(Dry)t	1,178	-	98	-	1,080
廃 プ ラ ス チ ッ ク	t	148,324	-	148,324	...	...
R P F	"	48	-	48	-	-
	"	9,347	-	9,347	-	-
電 力	1000kWh	907,446	-	393,409	193,741	65,905
う ち 購 入 分	"	392,916	-	21,452	182,479	14,607
蒸 気	t	4,114,957	-	2,926,129	287,876	345,721
う ち 受 入 分	"	228,306	-	9,843	203,589	287

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,895,329	758	73,156	510,295	5,669
石 油 系 燃 料 (原 油 換 算)	"	403,871	192	6,572	298,135	254
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	701	-	-	-	-
改 質 生 成 油	"	279,940	-	-	279,940	-
灯 油	"	24,032	-	-	24,032	-
軽 油	"	1,800	191	168	477	-
A 重 油	"	386	5	1	16	-
B ・ C 重 油	"	3,582	-	149	2,083	-
炭 化 水 素 油	"	22,504	-	5,347	4,107	235
液 化 石 油 ガ ス	t	7,053	-	-	6,444	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	16,322	5	-	11,173	-
オ イ ル コ ー ク ス	t	14,246	-	-	6,229	-
ア ス フ ァ ル ト	"	66,678	-	531	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		6,645	-	29	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,359,150	-	64,321	178,933	-
石 炭 コ ー ク ス	t	1,111,496	-	39,536	232,382	-
コ ー ク ス 炉 ガ ス	1000m ³	389,710	-	-	-	-
高 炉 ガ ス	"	169,053	-	-	32,038	-
液 化 天 然 ガ ス	t	782,738	-	-	-	-
都 市 ガ ス (B)	1000m ³	17,348	-	-	891	-
回 収 黒 液	絶乾(Dry)t	10,713	-	129	2,416	-
廃 プ ラ ス チ ッ ク	t	95,569	-	95,569	...	...
R P F	"	15,651	-	-	2,087	-
	"	-	-	-	-	-
電 力	1000kWh	1,534,456	6,085	162,988	183,896	17,759
う ち 購 入 分	"	1,105,128	6,085	24,323	111,009	17,759
蒸 気	t	2,808,012	-	1,025,684	757,016	54,436
う ち 受 入 分	"	394,972	-	-	299,410	54,436

(令和3年8月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
26,412	46,407	-	8,750	13,827	6,062	Total
26,412	4,570	-	2,249	4,757	228	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	99	-	51	963	7	- Oil produced by conversion
-	72	-	1	3	-	7 Kerosene
-	283	-	50	315	128	- Gas oils
2,204	627	-	52	2,324	-	128 Heavy Fuel oil A
-	1,180	-	-	804	-	- Heavy Fuel oil B・C
1,905	-	-	1,617	145	70	- Hydrocarbon oil
16,364	-	-	-	-	-	70 Liquefied petroleum gas
-	2,395	-	-	-	-	- Hydrocarbon gas
-	-	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	154	-	-	-	-	- Reproduction oil (Oil origin)
-	41,122	-	3,491	379	1,022	Non-oil based fuels
-	59,738	-	-	257	-	(Crude petroleum equivalent)
-	781	-	3,376	275	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	137	-	723	723 Liquefied natural gas
-	-	-	-	-	-	- Town gas(B)
...	...	...	...	...	...	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
24,651	51,582	-	34,179	92,185	51,794	Electricity
4	7,690	-	32,362	82,591	51,731	among those purchased
151,530	336,180	-	16,513	51,008	...	Steam
-	-	-	-	14,587	...	among those accepted
21,749	140,559	186	1,104,532	6,149	33,792	Total
21,038	42,733	-	30,958	2,076	2,298	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	700	(Crude petroleum equivalent)
-	-	-	-	-	-	700 Crude petroleum
-	-	-	-	-	-	700 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	64	-	667	96	519	519 Kerosene
-	21	-	334	-	19	19 Gas oils
2	662	-	341	32	313	313 Heavy Fuel oil A
9,201	1,700	-	646	1,268	-	- Heavy Fuel oil B・C
-	609	-	-	-	-	- Hydrocarbon oil
412	992	-	2,839	238	673	673 Liquefied petroleum gas
8,017	-	-	-	-	-	- Hydrocarbon gas
-	36,859	-	29,288	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	6,274	-	77	265	-	- Reproduction oil (Oil origin)
-	92,285	-	1,016,241	587	6,782	Non-oil based fuels
-	121,700	-	717,878	-	-	(Crude petroleum equivalent)
-	47	-	389,338	325	-	- Coal
-	3,618	-	133,397	-	-	- Coal coke
-	-	-	782,738	-	-	- Coke oven gas
-	-	-	15,997	243	217	- Blast furnace gas
-	-	-	2,075	-	6,093	217 Liquefied natural gas
...	...	...	...	...	...	6,093 Town gas(B)
-	9,349	-	4,215	-	-	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
13,551	151,431	2,000	693,979	44,727	270,210	Electricity
7,639	58,162	2,000	587,190	37,482	265,649	among those purchased
97,347	370,935	-	436,041	66,553	...	Steam
-	1,899	-	39,227	-	...	among those accepted

(August, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年9月分
September, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

1) 固有単位表 20

2) 熱量単位表 20

(2) 燃料受払

1) 燃料種別表 24

① 固有単位表 24

② 熱量単位表 24

2) 業種別表

① パルプ・紙・板紙工業 26

② 化学繊維工業 26

③ 石油製品工業 28

④ ガラス製品工業 28

⑤ 化学工業 30

⑥ 窯業・土石製品工業 30

⑦ 鉄鋼業 32

⑧ 非鉄金属地金工業 34

⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

1) 直接投入エネルギー表 38

2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

経済産業局別業種別エネルギー消費

1) 北海道経済産業局管内 52

2) 東 北 " 52

3) 関 東 " 54

4) 中 部 " 54

5) 近 畿 " 56

6) 中 国 " 56

7) 四 国 " 58

8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

1) Table of original units 20

2) Table of energy units 20

(2) Fuel input/output

1) Table for type kind of energy 24

① Table of original unit 24

② Table of energy unit 24

2) Tables for individual industry

① Pulp,paper,paper board industry 26

② Chemical fiber industry 26

③ Petroleum products industry 28

④ Glass products industry 28

⑤ Chemical industry 30

⑥ Ceramic, stone and clay product industry 30

⑦ Iron and steel industry 32

⑧ Non-ferrous metals industry 34

⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

1) Hokkaido Bureau of Economy, Trade and Industry 52

2) Tohoku Bureau of Economy, Trade and Industry 52

3) Kanto Bureau of Economy, Trade and Industry 54

4) Chubu Bureau of Economy, Trade and Industry 54

5) Kansai Bureau of Economy, Trade and Industry 56

6) Chugoku Bureau of Economy, Trade and Industry 56

7) Shikoku Bureau of Economy, Trade and Industry 58

8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターブル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
都市ガス（注3）				
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電蒸	力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。
	気	t	2.675MJ/kg	

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

- ① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.
- ② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

- ② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

- ③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

- 3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

- III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
	Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.	
Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.	
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 7~9月	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10~12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1~3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4~6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
7~9	39,200,017	36,956,558	36,023,126	18,837,579	5,857	10,106	7,471,509	4,015,721	303,325	53,637
2 年 7月	11,527,243	10,633,588	10,574,635	5,769,769	176	4,352	2,473,031	1,091,360	146,138	17,910
8	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
8	13,347,719	12,579,854	12,287,848	6,510,036	-	2,956	2,531,790	1,406,751	110,746	21,857
9	13,178,737	12,436,530	12,124,325	6,460,163	5,857	2,692	2,588,553	1,432,705	104,228	9,598
前年同月比(%)	15.2	16.1	15.9	14.8	3,065.9	▲ 41.4	14.0	20.5	11.0	▲ 53.2

年・期・月	燃料計(つづき) Fuel total (continued)									
	非石油系燃料(つづき) Non-oil based fuels (continued)									
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG	都市ガス (B)
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³	
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443
2 年 7~9月	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547
10~12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727
3 年 1~3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586
4~6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699
7~9	20,500,802	7,248,191	107,838	2,701,752	19,669,487	1,218,142	13,992	160,684	390,847	1,410,743
2 年 7月	5,859,537	2,004,500	16,693	809,126	5,046,439	313,327	4,959	49,218	120,151	437,338
8	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233
8	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881	460,542
9	6,746,889	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653	464,968
前年同月比(%)	14.0	22.1	6.2	7.5	21.7	25.8	656.8	9.1	1.1	4.8

注1. 原油にはNGL・コンデンセートを含む。
 3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3 2020
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
1,067,032	143,198	923,834	415,300	1,370,175	3,163,629	997,670	83,187	96,803	27,916,422	Q3
334,681	45,001	289,680	140,489	371,476	975,331	367,942	25,220	30,207	7,858,842	Jul. 2020
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug.
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982	Aug.
352,063	50,319	301,744	145,847	465,922	1,059,922	339,902	15,807	32,591	9,182,175	Sep.
▲ 2.3	▲ 0.3	▲ 2.7	13.2	20.3	8.6	▲ 0.7	702.0	12.8	15.0	R・S

回収黒液						電力		蒸気		Year, quarter and Month
Black liquor	酸素	廃材	廃タイヤ	廃プラスチック	RPF	うち購入分	うち受入分	Electricity	Steam	
絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	Refuse Paper & Plastic Fuel t	among those purchased 1000kWh	among those accepted t	1000kWh	t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3 2020
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
2,882,292	2,567,429	596,452	137,235	186,701	185,439	45,881,914	26,622,869	121,787,450	9,307,450	Q3
763,268	548,764	193,581	40,087	54,301	49,121	13,788,948	7,922,141	39,244,004	2,828,488	Jul. 2020
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug.
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765	Aug.
970,299	864,803	210,030	44,585	62,493	63,475	15,052,090	8,783,699	39,915,089	3,164,805	Sep.
10.4	26.7	8.1	2.0	12.9	5.5	7.7	7.9	4.7	4.3	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,696,749	12,436,530	15,642,338	6,460,163	5,857	2,692	2,588,553	1,432,705	104,228
重複事業所分補正量 Duplication adjustment	375,047	-	348,200	11,385	-	116	-	-	654
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	995,172	867,736	954,226	66,646	...	7	-	-	455
化学工業 Chemical industry	6,532,376	5,295,656	6,227,608	5,013,251	5,857	17	2,571,697	1,432,705	86,449
化学繊維工業 Chemical fibers industry	181,594	43,576	157,286	31,151	...	5	-	-	171
石油製品工業 Petroleum products industry	1,130,001	1,002,737	1,086,478	1,054,148	...	11	16,856	-	5,816
窯業・土石製品工業 Ceramics, clay and stone products industry	810,248	539,381	775,392	144,260	...	24	-	-	1,071
ガラス製品工業 Glass products industry	42,632	41,394	33,493	4,152	...	-	-	-	3
鉄鋼業 Iron and steel industry	6,963,018	4,342,894	6,578,787	121,589	...	143	-	-	7,075
非鉄金属地金工業 Non-ferrous metals industry	3,973,478	70,459	3,589,247	19,309	...	5	-	-	1,178
機械工業 Machinery industry	84,246	232,697	38,702	17,042	...	2,596	-	-	2,664

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	646,164,227	481,293,701	605,358,507	250,008,331	203,824	89,913	86,198,815	48,282,159	3,804,340
重複事業所分補正量 Duplication adjustment	510,017,139	-	469,211,420	440,599	-	3,874	-	-	23,871
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	14,514,306	38,513,147	33,581,393	36,928,555	2,579,209	...	234	-	16,608
化学工業 Chemical industry	252,802,955	204,941,883	241,008,422	194,012,831	203,824	568	85,637,510	48,282,159	3,155,389
化学繊維工業 Chemical fibers industry	232,351,055	7,027,699	1,686,373	6,086,980	1,205,562	...	167	-	6,242
石油製品工業 Petroleum products industry	43,731,042	38,805,911	42,046,698	40,795,537	...	367	561,305	-	212,284
窯業・土石製品工業 Ceramics, clay and stone products industry	31,356,610	31,356,610	20,874,057	30,007,660	5,582,859	...	802	-	39,092
ガラス製品工業 Glass products industry	1,649,867	1,601,960	1,601,960	1,296,174	160,674	...	-	-	110
鉄鋼業 Iron and steel industry	269,468,788	153,773,601	168,069,979	254,599,045	4,705,489	...	4,776	-	258,239
非鉄金属地金工業 Non-ferrous metals industry	153,773,601	3,260,322	138,903,858	1,497,783	747,254	...	167	-	42,997
機械工業 Machinery industry	12,868,103	9,005,365	5,362,546	659,513	...	86,706	-	-	97,252

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年9月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	アスファルト	再生油(石油由来)	非石油系燃料計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
9,598	352,063	50,319	301,744	145,847	465,922	1,059,922	339,902	15,807	32,591	9,182,175
406	5,074	1,060	4,014	-	410	-	5,041	-	-	336,815
299	44,959	4,607	40,352	3,884	1,884	-	10,386	-	2,225	887,580
4,172	101,707	4,057	97,650	98,656	408,406	458,010	134,659	-	2,120	1,214,356
17	15,970	1,432	14,538	30	326	-	15,543	-	-	126,135
51	118,760	17,641	101,119	13,175	25,309	601,907	59,523	15,807	-	32,330
1,102	34,322	2,706	31,616	19,572	1,532	-	66,388	-	24,971	631,132
3	3,405	222	3,183	-	52	-	-	-	402	29,341
1,953	24,781	13,527	11,254	7,133	22,735	5	58,285	-	147	6,457,198
297	10,227	4,181	6,046	3,396	533	-	159	-	2,726	19,394
2,110	3,006	3,006	-	1	5,555	-	-	-	-	121,525

単位 Unit: GJ

364,721	14,570,503	1,957,497	12,613,006	5,833,880	23,342,981	54,056,022	11,318,737	632,280	1,310,158	355,350,177
15,428	209,019	41,234	167,785	-	20,541	-	167,865	-	-	13,034,757
11,362	1,865,959	179,245	1,686,714	155,360	94,388	-	345,854	-	89,445	34,349,346
158,536	4,239,587	157,817	4,081,770	3,946,240	20,461,141	23,358,510	4,484,145	-	85,224	46,995,591
646	663,393	55,705	607,688	1,200	16,333	-	517,582	-	-	4,881,418
1,938	4,913,009	686,235	4,226,774	527,000	1,267,981	30,697,257	1,982,116	632,280	-	1,251,161
41,876	1,426,902	105,263	1,321,639	782,880	76,753	-	2,210,720	-	1,003,834	24,424,802
114	141,685	8,636	133,049	-	2,605	-	-	-	16,160	1,135,500
74,214	996,639	526,205	470,434	285,320	1,139,247	255	1,940,891	-	5,909	249,893,556
11,284	415,383	162,660	252,723	135,840	26,703	-	5,295	-	109,585	750,529
80,179	116,965	116,965	-	40	278,371	-	-	-	-	4,703,032

Note 1. Net consumption is shown for Total and three industrial categories (Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(September, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,746,889	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653
重複事業所分補正量 Duplication adjustment	448,753	8,488	-	-	-	-	-	7,249	2,026
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	445,453	414	...	-	-	-	-	6,501	9,527
化学工業 Chemical industry	1,365,415	12,578	40,195	95,144	105,055	-	-	31,982	56,564
化学繊維工業 Chemical fibers industry	116,744	-	...	-	-	-	-	-	857
石油製品工業 Petroleum products industry	20,692	-	...	-	-	-	-	5,629	8,377
窯業・土石製品工業 Ceramics, clay and stone products industry	817,369	16,365	...	23,844	1,443	17,823	334	8,467	132
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,518
鉄鋼業 Iron and steel industry	4,424,907	2,328,777	8,275	764,599	6,281,479	397,367	1,437	2,072	32,911
非鉄金属地金工業 Non-ferrous metals industry	5,062	9,411	...	-	6,880	-	-	-	2,256
機械工業 Machinery industry	-	617	...	-	-	-	-	2,793	7,537

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	185,010,333	68,430,565	1,807,931	17,936,816	22,829,639	3,458,533	14,752	2,133,288	6,654,419
重複事業所分補正量 Duplication adjustment	11,712,453	246,152	-	-	-	-	-	308,083	110,822
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,626,323	12,006	...	-	-	-	-	276,293	521,127
化学工業 Chemical industry	35,637,332	364,762	1,499,274	1,931,423	375,046	-	-	1,359,235	3,094,051
化学繊維工業 Chemical fibers industry	3,047,018	-	...	-	-	-	-	-	46,878
石油製品工業 Petroleum products industry	540,061	-	...	-	-	-	-	239,233	458,222
窯業・土石製品工業 Ceramics, clay and stone products industry	21,333,331	474,604	...	484,033	5,152	148,466	2,782	359,848	7,220
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	301,835
鉄鋼業 Iron and steel industry	124,406,603	67,534,533	308,658	15,521,360	22,424,880	3,310,067	11,970	88,060	1,800,232
非鉄金属地金工業 Non-ferrous metals industry	132,118	272,919	...	-	24,562	-	-	-	123,403
機械工業 Machinery industry	-	17,893	...	-	-	-	-	118,703	412,274

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年9月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity 1000kWh	うち購入分 among those purchased 1000kWh	蒸気 Steam t	うち受入分 among those accepted t
都市ガス (B) Town gas 1000m ³	回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t				
464,968	970,299	864,803	210,030	44,585	62,493	63,475	15,052,090	8,783,699	39,915,089	3,164,805
13,642	-	-	-	1,179	1,959	-	1,017,850	229,959	3,215,270	36,774
65,397	970,299	...	207,096	23,137	4,381	59,177	2,069,343	379,780	12,311,465	55,540
47,646	...	...	-	15,916	7,007	1,580	3,076,451	1,487,868	12,325,966	2,313,819
43,492	...	...	-	-	-	-	476,112	194,919	1,691,966	89,350
332	...	...	-	-	-	-	888,381	183,037	6,032,948	383,331
7,265	...	...	189	6,684	34,557	2,718	1,342,137	338,806	4,216,615	6,176
20,284	...	...	-	-	-	-	105,736	95,235	10,406	-
188,314	...	864,803	2,745	27	18,507	-	5,316,387	3,891,915	6,287,052	320,956
4,806	...	...	-	-	-	-	470,991	357,221	253,941	32,407
101,075	...	...	-	-	-	-	2,324,402	2,084,877	...	...

単位 Unit: GJ

19,110,180	13,196,066	6,157,397	3,591,513	1,480,222	1,831,045	1,707,478	54,187,524	31,621,316	106,772,865	8,465,854
560,706	-	-	-	39,143	57,399	-	3,664,260	827,852	8,600,847	98,370
2,687,817	13,196,066	...	3,541,342	768,148	128,363	1,591,861	7,449,635	1,367,208	32,933,169	148,570
1,958,251	...	...	-	528,411	205,305	42,502	11,075,224	5,356,325	32,971,959	6,189,466
1,787,521	...	...	-	-	-	-	1,714,003	701,708	4,526,009	239,011
13,645	...	...	-	-	-	-	3,198,172	658,933	16,138,136	1,025,410
298,592	...	...	3,232	221,909	1,012,520	73,114	4,831,693	1,219,702	11,279,445	16,521
833,665	...	...	-	-	-	-	380,650	342,846	27,836	-
7,739,705	...	6,157,397	46,940	896	542,255	-	19,138,993	14,010,894	16,817,864	858,557
197,527	...	...	-	-	-	-	1,695,568	1,285,996	679,292	86,689
4,154,163	...	...	-	-	-	-	8,367,847	7,505,557	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(September, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,114,215	3,526,860	15,642,338	2,605,343	397,207
(ネット)	"			12,124,325		
石 油 系 燃 料 (原 油 換 算)	"	4,806,795	-	6,460,163	671,146	186,025
原ガソリン	"	37,026	...	5,857	-	-
ナフサ	"	2,625	...	2,692	...	...
改質生成油	"	2,448,833	...	2,588,553	-	32
灯油	"	1,438,505	...	1,432,705	-	-
軽油	"	98,330	...	104,228	1,332	5,780
重油	"	9,216	...	9,598	3	48
計	"	232,691	...	352,063	185,284	6,411
A 重油	"	32,454	...	50,319	25,447	1,862
B・C 重油	"	200,237	...	301,744	159,837	4,549
炭化水素	"	48,519	...	145,847	75,767	-
液化石油ガス	t	505,402	...	465,922	10,439	9,194
石油系炭化水素ガス	1000m ³	17,713	...	1,059,922	157,795	118,487
オイルコーク	t	348,981	...	339,902	184,573	-
アスファルト	"	-	...	15,807	10,325	5,482
再生油(石油由来)	kl	31,471	-	32,591	2,313	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,307,419	3,526,860	9,182,175	1,934,197	211,182
石炭(注2)	t	7,449,155	...	6,746,889	1,479,790	-
石炭(注3)	"	641,929	2,473,792	2,359,674	-	-
タール	"	34,283	66,839	48,470	-	-
コークス	1000m ³	159,902	1,061,508	883,587	122,562	-
高炉ガス	"	257,508	9,501,423	6,394,857	2,172,909	1,117
転炉ガス	"	23,141	589,795	415,190	135,699	-
電炉ガス	"	334	3,185	1,771	749	-
天然ガス	"	41,304	4,300	50,195	12,352	16,142
液化天然ガス	t	132,227	...	121,653	16,532	31,696
都市ガス(A)	1000m ³	428,538	...	428,538	79,612	129,313
都市ガス(B)	"	464,969	...	464,968	86,140	139,813
回収黒炭	液乾(Dry)t	970,511	...	970,299	970,299	-
酸	1000N ^m	704,017	211,490	864,803	-	-
廃材	液乾(Dry)t	202,929	-	210,030	209,417	-
廃ヤク	t	43,904	-	44,585	39,053	-
廃プラスチック	"	64,079	5,448	62,493	4,294	87
R P F	"	60,883	-	63,475	60,754	3

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収	合 計	ボイラ用	コージェネ
合 計 (原 油 換 算)	GJ	468,820,129	136,489,464	605,358,507	100,826,760	15,371,926
(ネット)	"			469,211,420		
石 油 系 燃 料 (原 油 換 算)	"	186,023,002	-	250,008,331	25,973,353	7,199,176
原ガソリン	"	1,288,505	...	203,824	-	-
ナフサ	"	87,675	...	89,913	...	...
改質生成油	"	81,546,139	...	86,198,815	-	1,066
灯油	"	48,477,619	...	48,282,159	-	-
軽油	"	3,589,062	...	3,804,340	48,618	210,970
重油	"	350,205	...	364,721	114	1,824
計	"	9,632,565	...	14,570,503	7,671,139	262,580
A 重油	"	1,262,550	...	1,957,497	989,952	72,432
B・C 重油	"	8,370,016	...	12,613,006	6,681,187	190,148
炭化水素	"	1,940,760	...	5,833,880	3,030,680	-
液化石油ガス	"	25,320,908	...	23,342,981	522,994	460,619
石油系炭化水素ガス	"	903,363	...	54,056,022	8,047,545	6,042,837
オイルコーク	"	11,621,067	...	11,318,737	6,146,281	-
アスファルト	"	-	...	632,280	413,000	219,280
再生油(石油由来)	"	1,265,134	-	1,310,158	92,983	-
非 石 油 系 燃 料 (原 油 換 算)	"	282,797,127	136,489,464	355,350,177	74,853,407	8,172,750
石炭(注2)	"	203,788,570	...	185,010,333	38,668,117	-
石炭(注3)	"	18,615,959	71,739,968	68,430,565	-	-
タール	"	1,278,756	2,493,095	1,807,931	-	-
コークス	"	3,246,011	21,548,612	17,936,816	2,488,009	-
高炉ガス	"	919,304	33,920,080	22,829,639	7,757,285	3,988
転炉ガス	"	192,765	4,912,992	3,458,533	1,130,373	-
電炉ガス	"	2,782	26,531	14,752	6,239	-
天然ガス	"	1,755,420	182,750	2,133,288	524,960	686,035
液化天然ガス	"	7,232,817	...	6,654,419	904,300	1,733,771
都市ガス(A)	"	19,110,227	...	19,110,180	3,540,370	5,746,327
都市ガス(B)	"	13,198,950	...	13,196,066	13,196,066	-
回収黒炭	"	5,012,601	1,505,809	6,157,397	...	-
酸	"	3,470,086	-	3,591,513	3,581,031	-
廃材	"	1,457,613	-	1,480,222	1,296,560	-
廃ヤク	"	1,877,515	159,626	1,831,045	125,814	2,549
廃プラスチック	"	1,637,753	-	1,707,478	1,634,283	81

注1. 原油にはNGL・コンデンセートを含む。

注2. 石炭には、コークス製造用炭(原料炭)を含む。

注3. 石炭コークスにはピッチコークスを含む。

(令和3年9月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,639,788	7,015,533	5,404,291	219,964	1,574,544	8,931,309	Total (Crude petroleum equivalent) (Net)
5,602,992	4,230,256	1,272,593	100,142	55,306	1,582,331	Oil based fuels (Crude petroleum equivalent)
5,857	5,857	-	-	2,218	31,517	Crude petroleum
2,692	...	5	2,687	4	1,698	Gasoline
2,588,521	2,585,969	2,552	-	305	604,897	Naphtha
1,432,705	1,432,705	-	-	8,270	5,792	Oil produced by conversion
97,116	83,591	10,015	3,510	70	17,399	Kerosene
9,547	3,891	296	5,360	30	7,447	Gas oils
160,368	49,651	101,630	9,087	2,440	244,612	Heavy Fuel oil total
23,010	-	18,747	4,263	397	55,687	Heavy Fuel oil A
137,358	49,651	82,883	4,824	2,043	188,925	Heavy Fuel oil B・C
70,080	34,597	34,857	626	336	12,572	Hydrocarbon oil
446,289	383,821	34,432	28,036	4,836	119,799	Liquefied petroleum gas
783,640	20,280	733,066	30,294	...	...	Hydrocarbon gas
155,329	65,773	88,342	1,214	42,460	657,371	Petroleum coke
-	-	-	-	-	-	Asphalt
30,278	-	28,507	1,771	-	9,129	Reproduction oil (Oil origin)
7,036,796	2,785,276	4,131,698	119,822	1,519,238	7,348,978	Non-oil based fuels (Crude petroleum equivalent)
5,267,099	3,647,882	1,616,671	2,546	533,350	8,134,079	Coal
2,359,674	35,183	2,317,652	6,839	746,623	1,914,480	Coal coke
48,470	48,470	-	-	49,069	47,516	Tar
761,025	606	730,950	29,469	326,495	...	Coke oven gas
4,220,831	-	3,853,332	367,499	3,238,998	...	Blast furnace gas
279,491	-	252,948	26,543	168,189	...	Converter furnace gas
1,022	-	1,022	-	1,748	...	Electric furnaces gas
21,701	5,884	14,589	1,228	1,167	17	Natural gas
73,425	19,005	50,834	3,586	13,854	33,704	Liquefied natural gas
219,613	-	190,141	29,472	...	...	Town gas(A)
239,014	-	206,857	32,157	...	...	Town gas(B)
-	-	-	-	-	3,089	Black liquor
864,803	-	779,279	85,524	32,976	1,372	Oxygen
613	-	567	46	-	41,948	Waste material
5,532	27	5,505	-	-	24,800	Used tires
58,112	17,644	38,375	2,093	4,153	31,905	Waste plastic
2,718	-	2,718	-	-	13,454	Refuse Paper & Plastic Fuel
489,159,821	271,501,121	209,146,080	8,512,620	60,934,858	345,641,675	Total (Crude petroleum equivalent) (Net)
216,835,802	163,710,924	49,249,361	3,875,516	2,140,353	61,236,227	Oil based fuels (Crude petroleum equivalent)
203,824	203,824	-	-	77,186	1,097,527	Crude petroleum
89,913	...	167	89,746	134	56,713	Gasoline
86,197,749	86,112,768	84,982	-	10,157	20,143,070	Naphtha
48,282,159	48,282,159	-	-	278,699	195,190	Oil produced by conversion
3,544,752	3,051,072	365,565	128,115	2,555	635,066	Kerosene
362,783	147,858	11,248	203,677	1,140	282,986	Gas oils
6,636,784	2,075,412	4,193,804	367,568	100,841	10,063,388	Heavy Fuel oil total
895,113	-	729,278	165,835	15,443	2,166,304	Heavy Fuel oil A
5,741,671	2,075,412	3,464,526	201,733	85,397	7,897,085	Heavy Fuel oil B・C
2,803,200	1,383,880	1,394,280	25,040	13,440	502,880	Hydrocarbon oil
22,359,367	19,229,432	1,725,180	1,404,756	242,284	6,001,966	Liquefied petroleum gas
39,965,640	1,034,280	37,386,366	1,544,994	...	...	Hydrocarbon gas
5,172,456	2,190,241	2,941,789	40,426	1,413,918	21,890,454	Petroleum coke
-	-	-	-	-	-	Asphalt
1,217,176	-	1,145,981	71,194	-	366,986	Reproduction oil (Oil origin)
272,324,020	107,790,197	159,896,719	4,637,104	58,794,505	284,405,449	Non-oil based fuels (Crude petroleum equivalent)
146,342,216	103,142,148	43,133,617	66,451	14,541,635	222,379,655	Coal
68,430,565	1,020,307	67,211,927	198,331	21,652,067	55,519,936	Coal coke
1,807,931	1,807,931	-	-	1,830,274	1,772,347	Tar
15,448,808	12,302	14,838,285	598,221	6,627,849	...	Coke oven gas
15,068,367	-	13,756,395	1,311,971	11,563,223	...	Blast furnace gas
2,328,160	-	2,107,057	221,103	1,401,014	...	Converter furnace gas
8,513	-	8,513	-	14,561	...	Electric furnaces gas
922,293	250,070	620,033	52,190	49,598	723	Natural gas
4,016,348	1,039,574	2,780,620	196,154	757,814	1,843,609	Liquefied natural gas
9,823,483	-	8,501,843	1,321,640	...	...	Town gas
-	-	-	-	-	42,010	Black liquor
6,157,397	-	5,548,466	608,931	234,789	9,769	Oxygen
10,482	-	9,696	787	-	717,311	Waste material
183,662	896	182,766	-	-	823,360	Used tires
1,702,682	516,969	1,124,388	61,325	121,683	934,817	Waste plastic
73,114	-	73,114	-	-	361,913	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(September, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	965,489	954,226	872,439	46,554
石 油 系 燃 料 (原 油 換 算)	〃	67,185	66,646	39,566	45
ガ ソ リ ン	〃	10	7	...	...
灯 油	〃	456	455	165	-
軽 油	〃	307	299	3	11
重 油 計	〃	44,792	44,959	27,275	34
A 重 油	〃	4,371	4,607	4,053	34
B・C 重 油	〃	40,421	40,352	23,222	-
炭 化 水 素 油	〃	4,262	3,884	2,264	-
液 化 石 油 ガ ス	t	1,925	1,884	534	-
オ イ ル コ ー ク ス	〃	10,892	10,386	7,941	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,043	2,225	372	-
非 石 油 系 燃 料 (原 油 換 算)	kl	898,304	887,580	832,873	46,509
石 炭	t	468,892	445,453	445,453	-
石 炭 コ ー ク ス	〃	1,500	414	-	-
天 然 ガ ス	1000m ³	6,501	6,501	1,225	4,927
液 化 天 然 ガ ス	t	9,551	9,527	5,210	3,107
都 市 ガ ス (A)	1000m ³	60,623	60,623	23,980	31,799
都 市 ガ ス (B)	〃	65,398	65,397	25,618	34,499
回 収 黒 液 材	絶乾(Dry)t	970,511	970,299	970,299	-
廃 タ イ ヤ	t	199,995	207,096	206,672	-
廃 プ ラ ス チ ッ ク	〃	21,925	23,137	23,137	-
廃 R P F	〃	4,381	4,381	4,294	87
R P F	〃	56,545	59,177	59,174	3

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	159,327	157,286	108,716	37,431
石 油 系 燃 料 (原 油 換 算)	〃	20,661	31,151	26,712	657
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	175	171	33	-
軽 油	〃	14	17	-	9
重 油 計	〃	16,403	15,970	12,272	645
A 重 油	〃	1,962	1,432	366	645
B・C 重 油	〃	14,441	14,538	11,906	-
炭 化 水 素 油	〃	30	30	30	-
液 化 石 油 ガ ス	t	328	326	37	-
オ イ ル コ ー ク ス	〃	2,850	15,543	15,543	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	138,666	126,135	82,004	36,774
石 炭	t	135,269	116,744	116,744	-
液 化 天 然 ガ ス	〃	884	857	816	28
都 市 ガ ス (A)	1000m ³	39,966	39,966	1,956	31,646
都 市 ガ ス (B)	〃	43,491	43,492	1,993	34,589
廃 プ ラ ス チ ッ ク	t	-	-	-	-
廃 R P F	〃	-	-	-	-

(令和3年9月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
35,233	31,664	3,570	10,604	475,934	Total (Crude petroleum equivalent)
27,035	24,523	2,512	1,926	77,764	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	4	Gasoline
290	231	59	-	840	Kerosene
285	2	283	11	22	Gas oils
17,650	16,976	674	1,778	60,672	Heavy Fuel oil total
520	464	56	71	6,208	Heavy Fuel oil A
17,130	16,512	618	1,707	54,464	Heavy Fuel oil B・C
1,620	1,551	69	-	5,909	Hydrocarbon oil
1,350	775	575	-	337	Liquefied petroleum gas
2,445	1,956	489	-	3,775	Petroleum coke
-	-	-	-	-	Asphalt
1,853	1,649	204	-	2,010	Reproduction oil (Oil origin)
8,199	7,141	1,058	8,678	398,170	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	12,867	524,599	Coal
414	-	414	-	1,388	Coal coke
349	334	15	-	...	Natural gas
1,210	1,088	122	-	682	Liquefied natural gas
4,844	4,378	466	...	...	Town gas(A)
5,280	4,773	507	...	...	Town gas(B)
-	-	-	-	3,089	Black liquor
424	378	46	-	41,948	Waste material
-	-	-	-	15,840	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	13,174	Refuse Paper & Plastic Fuel
11,139	6,388	4,751	-	156,823	Total (Crude petroleum equivalent)
3,782	1,807	1,975	-	70,726	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
138	14	124	-	85	Kerosene
8	-	8	-	6	Gas oils
3,053	1,531	1,522	-	21,744	Heavy Fuel oil total
421	76	345	-	6,340	Heavy Fuel oil A
2,632	1,455	1,177	-	15,404	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
289	113	176	-	83	Liquefied petroleum gas
-	-	-	-	55,228	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,357	4,581	2,776	-	86,097	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	127,083	Coal
13	13	-	-	276	Liquefied natural gas
6,364	3,986	2,378	...	...	Town gas(A)
6,910	4,296	2,614	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(September, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,194	1,086,478	323,177	135,653
石 油 系 燃 料 (原 油 換 算)	"	-	1,054,148	308,260	131,776
ガ ソ リ ン	"	...	11	...	...
ナ フ サ	"	...	16,856	-	32
灯 油	"	...	5,816	27	5,770
軽 油	"	...	51	-	-
重 油 計	"	...	118,760	93,971	859
A 重 油	"	...	17,641	15,041	351
B・C 重 油	"	...	101,119	78,930	508
炭 化 水 素 油	"	...	13,175	13,175	-
液 化 石 油 ガ ス	t	...	25,309	382	8,178
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	601,907	100,060	82,827
オ イ ル コ ー ク ス	t	...	59,523	59,523	-
ア ス フ ェ ル ト	"	...	15,807	10,325	5,482
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	12,194	32,330	14,917	3,877
石 炭	t	-	20,692	20,692	-
天 然 ガ ス	1000m ³	-	5,629	169	-
液 化 天 然 ガ ス	t	8,378	8,377	303	2,743
都 市 ガ ス (A)	1000m ³	303	303	299	-
都 市 ガ ス (B)	"	332	332	328	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	33,640	33,493	287	2,346
石 油 系 燃 料 (原 油 換 算)	"	4,301	4,152	2	8
ガ ソ リ ン	"	-	-	...	...
灯 油	"	8	3	2	-
軽 油	"	4	3	-	-
重 油 計	"	3,532	3,405	-	8
A 重 油	"	232	222	-	8
B・C 重 油	"	3,300	3,183	-	-
液 化 石 油 ガ ス	t	53	52	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	408	402	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,338	29,341	285	2,338
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,516	5,518	23	267
都 市 ガ ス (A)	1000m ³	18,689	18,689	219	1,686
都 市 ガ ス (B)	"	20,284	20,284	238	1,846
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年9月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
627,647	63,841	536,556	27,250	Total (Crude petroleum equivalent)
614,112	56,402	530,901	26,809	Oil based fuels (Crude petroleum equivalent)
11	...	...	11	Gasoline
16,824	14,272	2,552	-	Naphtha
19	-	9	10	Kerosene
51	-	-	51	Gas oils
23,930	-	22,876	1,054	Heavy Fuel oil total
2,249	-	1,952	297	Heavy Fuel oil A
21,681	-	20,924	757	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
16,749	15,118	1,630	1	Liquefied petroleum gas
419,020	18,629	380,948	19,443	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
13,535	7,440	5,655	441	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,460	1,769	3,355	336	Natural gas
5,331	3,889	1,394	48	Liquefied natural gas
4	-	-	4	Town gas(A)
4	-	-	4	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
30,860	30,297	562	17	4,152	Total (Crude petroleum equivalent)
4,142	4,122	20	17	4,117	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
1	1	-	-	68	Kerosene
3	2	1	1	-	Gas oils
3,397	3,378	19	16	3,649	Heavy Fuel oil total
214	195	19	16	846	Heavy Fuel oil A
3,183	3,183	-	-	2,803	Heavy Fuel oil B・C
52	52	-	-	14	Liquefied petroleum gas
-	-	-	-	-	Asphalt
402	402	-	-	151	Reproduction oil (Oil origin)
26,718	26,175	542	-	35	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,228	5,228	-	-	25	Liquefied natural gas
16,784	16,315	469	...	...	Town gas(A)
18,200	17,689	511	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(September, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,593,669	535,566	6,227,610 5,699,137	673,912	107,990
石油系燃料（原油換算）	"	4,306,517	-	5,013,251	262,247	48,884
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	37,026	...	5,857	-	-
ガ ソ リ ン	"	18	...	17	...	...
ナ フ サ	"	2,448,833	...	2,571,697	-	-
改 質 生 成 油	"	1,438,505	...	1,432,705	...	...
灯 油	"	86,399	...	86,449	177	10
軽 油	"	3,700	...	4,172	-	-
重 油	"	102,128	...	101,707	41,196	563
A 重 油	"	4,406	...	4,057	1,792	563
B・C 重 油	"	97,722	...	97,650	39,404	-
炭 化 水 素 油	"	16,433	...	98,656	60,298	-
液 化 石 油 ガ ス	t	452,639	...	408,406	3,039	1,016
石油系炭化水素ガス（注2）	1000m ³	17,708	...	458,010	57,735	35,660
オ イ ル コ ー ク ス	t	104,389	...	134,659	85,272	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	2,120	-	2,120	1,928	-
非石油系燃料（原油換算）	kl	1,287,152	535,566	1,214,358	411,665	59,106
石 炭	t	1,541,071	-	1,365,415	535,922	-
石 炭 コ ー ク ス	"	13,731	544,651	12,578	...	-
タ ー ク ス	"	29,500	9,646	40,195	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,026	211,686	95,144	3,651	-
高 炉 ガ ス	"	105,055	-	105,055	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	28,719	4,300	31,982	10,321	9,285
液 化 天 然 ガ ス	t	68,372	...	56,564	7,653	19,862
都 市 ガ ス （ A ）	1000m ³	45,607	...	45,607	9,889	19,326
都 市 ガ ス （ B ）	"	47,644	...	47,648	10,744	19,619
廃 タ イ ヤ	t	16,537	-	15,916	15,916	-
廃 プ ラ ス チ ック	"	3,583	3,131	7,007	-	-
R P F	"	1,580	-	1,580	1,580	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	910,882	-	775,392 775,392	321,703	5,399
石油系燃料（原油換算）	"	181,348	-	144,260	15,551	894
ガ ソ リ ン	"	23	...	24	...	...
灯 油	"	993	...	1,071	77	-
軽 油	"	1,087	...	1,102	-	-
重 油	"	33,769	...	34,322	1,396	828
A 重 油	"	3,040	...	2,706	852	-
B・C 重 油	"	30,729	...	31,616	544	828
炭 化 水 素 油	"	20,242	...	19,572	-	-
液 化 石 油 ガ ス	t	1,528	...	1,532	-	-
オ イ ル コ ー ク ス	"	110,729	...	66,388	16,294	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	23,968	-	24,971	13	-
非石油系燃料（原油換算）	kl	729,534	-	631,132	306,152	4,505
石 炭	t	965,726	...	817,369	446,867	-
石 炭 コ ー ク ス	"	15,095	-	16,365	-	-
コ ー ク ス 炉 ガ ス	1000m ³	23,844	-	23,844	-	-
高 炉 ガ ス	"	1,443	-	1,443	-	-
転 炉 ガ ス	"	17,823	-	17,823	-	-
電 気 炉 ガ ス	"	334	-	334	-	-
天 然 ガ ス	"	8,467	-	8,467	3,044	4,102
液 化 天 然 ガ ス	t	132	-	132	-	-
都 市 ガ ス （ A ）	1000m ³	6,717	...	6,717	397	-
都 市 ガ ス （ B ）	"	7,264	...	7,265	398	-
廃 材	絶乾(Dry)t	189	-	189	-	-
廃 タ イ ヤ	t	6,793	-	6,684	1,179	-
廃 プ ラ ス チ ック	"	33,473	-	34,557	-	-
R P F	"	2,758	-	2,718	-	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年9月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,445,707	4,740,259	657,600	47,846	520,220	2,542,209	Total (Crude petroleum equivalent) (Net)
4,702,119	4,151,759	507,919	42,441	15,570	963,035	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
5,857	5,857	-	-	2,218	31,307	NGL・condensate
17	...	...	17	-	3	Gasoline
2,571,697	2,571,697	-	-	305	604,897	Naphtha
1,432,705	1,432,705	...	...	8,270	5,792	Oil produced by conversion
86,262	83,591	1,618	1,053	-	7,419	Kerosene
4,172	3,891	-	281	-	5,692	Gas oils
59,948	49,651	8,250	2,047	63	59,764	Heavy Fuel oil total
1,702	-	960	742	63	6,898	Heavy Fuel oil A
58,246	49,651	7,290	1,305	-	52,866	Heavy Fuel oil B・C
38,358	27,464	10,840	54	...	...	Hydrocarbon oil
404,351	368,703	17,091	18,557	4,672	79,784	Liquefied petroleum gas
364,615	1,651	352,113	10,851	...	...	Hydrocarbon gas
49,387	48,663	-	724	-	266,402	Petroleum coke
-	-	-	-	-	-	Asphalt
192	-	192	-	-	-	Reproduction oil (Oil origin)
743,588	588,499	149,682	5,405	504,650	1,579,174	Non-oil based fuels (Crude petroleum equivalent)
829,493	760,759	66,921	1,813	13,376	1,956,616	Coal
12,578	9,194	3,384	-	552,407	309,917	Coal coke
40,195	40,195	-	-	62	25,124	Tar
91,493	176	90,674	643	121,560	...	Coke oven gas
105,055	-	105,055	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
12,376	4,115	7,474	787	1,167	...	Natural gas
29,049	15,116	13,890	43	11,727	80	Liquefied natural gas
16,392	...	13,855	2,537	...	...	Town gas(A)
17,285	...	14,534	2,749	...	...	Town gas(B)
-	-	-	-	-	3,146	Used tires
7,007	5,048	1,959	-	-	437	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
448,290	8,993	430,459	8,838	2,128	929,321	Total (Crude petroleum equivalent) (Net)
127,815	4,495	118,176	5,144	2,094	199,225	Oil based fuels (Crude petroleum equivalent)
24	...	...	24	-	-	Gasoline
994	-	945	49	-	399	Kerosene
1,102	-	265	837	6	82	Gas oils
32,098	-	29,602	2,496	-	42,740	Heavy Fuel oil total
1,854	-	1,426	428	-	5,473	Heavy Fuel oil A
30,244	-	28,176	2,068	-	37,267	Heavy Fuel oil B・C
19,572	-	19,572	-	336	3,062	Hydrocarbon oil
1,532	-	1,469	63	-	171	Liquefied petroleum gas
50,094	5,224	44,869	1	2,023	167,312	Petroleum coke
-	-	-	-	-	-	Asphalt
24,958	-	23,508	1,450	-	5,451	Reproduction oil (Oil origin)
320,475	4,498	312,282	3,694	34	730,095	Non-oil based fuels (Crude petroleum equivalent)
370,502	992	368,777	733	42	1,049,165	Coal
16,365	5,110	11,255	-	8	15,236	Coal coke
23,844	-	23,844	-	-	...	Coke oven gas
1,443	-	1,443	-	-	...	Blast furnace gas
17,823	-	17,823	-	-	...	Converter furnace gas
334	-	334	-	-	...	Electric furnaces gas
1,321	-	1,321	-	-	...	Natural gas
132	-	81	51	-	-	Liquefied natural gas
6,320	...	3,550	2,770	...	...	Town gas(A)
6,867	...	3,922	2,945	...	...	Town gas(B)
189	-	189	-	-	-	Waste material
5,505	-	5,505	-	-	6,195	Used tires
34,557	-	34,557	-	-	7,386	Waste plastic
2,718	-	2,718	-	-	280	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(September, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,666,091	2,991,294	6,578,787	548,611	12,159
（ネット）	〃	-	-	3,589,247	-	-
石油系燃料（原油換算）	〃	203,198	-	121,589	15,650	3,603
ガソリン	〃	165	…	143	…	…
灯油	〃	7,173	…	7,075	179	-
軽油	〃	1,991	…	1,953	-	-
重油計	〃	25,227	…	24,781	8,165	3,345
A重油	〃	12,513	…	13,527	2,500	132
B・C重油	〃	12,714	…	11,254	5,665	3,213
炭化水素油	〃	4,078	…	7,133	-	-
液化石油ガス	t	43,255	…	22,735	5,291	-
石油系炭化水素ガス	1000m ³	5	…	5	-	-
オイルコークス	t	125,078	…	58,285	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	169	-	147	-	-
非石油系燃料（原油換算）	kl	4,462,893	2,991,294	6,457,198	532,961	8,556
コークス製造用炭（原料炭）	t	3,344,866	…	3,184,475	16,285	-
石炭	〃	1,521,355	…	1,240,432	279,209	-
石炭コークス	〃	606,519	1,929,141	2,328,777	…	-
ターナル	〃	4,783	57,193	8,275	-	-
コークス炉ガス	1000m ³	131,032	849,822	764,599	118,911	-
高炉ガス	〃	151,010	9,501,423	6,281,479	2,170,290	1,117
転炉ガス	〃	5,318	589,795	397,367	135,699	-
電気炉ガス	〃	-	3,185	1,437	749	-
天然ガス	〃	2,073	-	2,072	231	-
液化天然ガス	t	31,601	…	32,911	1,922	2,406
都市ガス（A）	1000m ³	172,422	…	172,422	31,347	4,368
都市ガス（B）	〃	188,317	…	188,314	34,240	4,757
酸素	1000Nm ³	704,017	211,490	864,803	…	-
廃材	絶乾(Dry)t	2,745	-	2,745	2,745	-
廃タイヤ	t	27	-	27	-	-
廃プラスチック	〃	24,308	2,317	18,507	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年9月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,018,017	2,210,726	3,706,397	100,893	1,041,575	5,280,639	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
102,336	21,938	67,932	12,466	35,699	250,716	Oil based fuels (Crude petroleum equivalent)
143	...	5	138	4	41	Gasoline
6,896	...	5,627	1,269	70	3,458	Kerosene
1,953	...	18	1,935	12	137	Gas oils
13,271	-	12,688	583	583	48,704	Heavy Fuel oil total
10,895	...	10,409	486	247	19,906	Heavy Fuel oil A
2,376	-	2,279	97	336	28,798	Heavy Fuel oil B・C
7,133	7,133	-	-	-	2,538	Hydrocarbon oil
17,444	-	10,759	6,685	164	37,920	Liquefied petroleum gas
5	-	5	-	...	...	Hydrocarbon gas
58,285	16,927	41,358	-	40,437	167,041	Petroleum coke
-	-	-	-	-	-	Asphalt
147	-	147	-	-	696	Reproduction oil (Oil origin)
5,915,681	2,188,788	3,638,465	88,428	1,005,876	5,029,923	Non-oil based fuels (Crude petroleum equivalent)
3,168,190	2,833,010	335,180	-	221,857	3,600,069	Coal for making coke (material coal)
961,223	53,571	907,652	-	285,208	1,582,544	Coal
2,328,777	25,744	2,297,832	5,201	194,208	1,585,058	Coal coke
8,275	8,275	-	-	49,007	22,392	Tar
645,688	430	616,432	28,826	204,935	...	Coke oven gas
4,110,072	-	3,742,573	367,499	3,238,998	...	Blast furnace gas
261,668	-	235,125	26,543	168,189	...	Converter furnace gas
688	-	688	-	1,748	...	Electric furnaces gas
1,841	-	1,784	57	-	17	Natural gas
28,583	-	25,849	2,734	2,127	32,040	Liquefied natural gas
136,707	...	129,351	7,356	...	...	Town gas(A)
149,317	...	141,267	8,050	...	...	Town gas(B)
864,803	-	779,279	85,524	32,976	1,372	Oxygen
-	-	-	-	-	-	Waste material
27	27	-	-	-	851	Used tires
18,507	12,596	3,818	2,093	4,153	24,519	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(September, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	36,215	38,702	1,202	-
石 油 系 燃 料 (原 油 換 算)	"	18,579	19,309	638	-
ガ ソ リ ン	"	5	5	...	...
灯 油	"	1,194	1,178	107	-
軽 油	"	293	297	-	-
重 油	"	9,468	10,227	522	-
A 重 油	"	4,272	4,181	355	-
B・C 重 油	"	5,196	6,046	167	-
炭 化 水 素 油	"	3,473	3,396	-	-
液 化 石 油 ガ ス	t	529	533	-	-
オ イ ル コ ー ク ス	"	127	159	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,763	2,726	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	17,637	19,394	564	-
石 炭	t	707	5,062	-	-
石 炭	"	11,848	9,411	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	6,880	2,619	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,248	2,256	153	-
都 市 ガ ス (A)	1000m ³	4,530	4,530	90	-
都 市 ガ ス (B)	"	4,806	4,806	100	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	138,589	138,567	18,113	59,324
石 油 系 燃 料 (原 油 換 算)	"	17,029	17,042	2,952	169
ガ ソ リ ン	"	2,535	2,596	...	...
灯 油	"	2,616	2,664	599	-
軽 油	"	2,241	2,110	-	28
重 油	"	2,966	3,006	885	141
A 重 油	"	2,966	3,006	885	141
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	5,553	5,555	1,156	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	121,560	121,525	15,161	59,155
石 炭	t	-	-	-	-
石 炭	"	599	617	-	-
コ ー ク ガ ス	1000m ³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	2,793	2,793	373	1,930
液 化 天 然 ガ ス	t	7,571	7,537	607	3,691
都 市 ガ ス (A)	1000m ³	92,315	92,315	11,984	44,512
都 市 ガ ス (B)	"	101,075	101,075	13,082	48,792
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年9月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
37,500	34,534	2,966	21,305	Total
18,671	16,930	1,741	7,898	(Crude petroleum equivalent)
5	...	5	2	Oil based fuels
1,071	856	215	461	(Crude petroleum equivalent)
297	3	294	22	Gasoline
9,705	9,226	479	5,127	Kerosene
3,826	3,353	473	2,202	Gas oils
5,879	5,873	6	2,925	Heavy Fuel oil total
3,396	2,894	502	1,063	Heavy Fuel oil A
533	438	95	74	Heavy Fuel oil B・C
159	159	-	23	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
2,726	2,609	117	821	Petroleum coke
18,829	17,604	1,225	13,407	Asphalt
5,062	5,062	-	8,542	Reproduction oil (Oil origin)
9,411	8,187	1,224	10,007	Non-oil based fuels
-	-	-	...	(Crude petroleum equivalent)
4,261	4,261	-	...	Coal
-	-	-	...	Coal coke
2,103	1,885	218	104	Coke oven gas
4,440	4,440	-	...	Blast furnace gas
4,706	4,706	-	...	Electric furnaces gas
-	-	-	...	Natural gas
-	-	-	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
61,130	34,087	27,043	21,181	Total
13,920	4,779	9,141	20,429	(Crude petroleum equivalent)
2,596	...	2,596	1,684	Oil based fuels
2,065	1,304	761	5,021	(Crude petroleum equivalent)
2,082	6	2,076	1,527	Gasoline
1,980	542	1,438	10,831	Kerosene
1,980	542	1,438	10,694	Gas oils
-	-	-	137	Heavy Fuel oil total
1	-	1	-	Heavy Fuel oil A
4,399	2,316	2,083	1,423	Heavy Fuel oil B・C
-	-	-	...	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
47,209	29,307	17,902	752	Reproduction oil (Oil origin)
-	-	-	-	Non-oil based fuels
617	617	-	66	(Crude petroleum equivalent)
-	-	-	...	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
490	457	33	...	Blast furnace gas
3,239	2,684	555	497	Converter furnace gas
35,819	21,124	14,695	...	Natural gas
39,200	23,116	16,084	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(September, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,339,441	8,783,699	8,555,742	6,380,402	1,293,981
事業所重複分補正量	1,140,525	229,959	910,566	845,468	31,842
パルプ・紙・板紙工業	2,348,692	379,780	1,968,912	1,799,169	145,307
化学工業	3,588,211	1,487,868	2,100,343	1,623,934	318,785
化学繊維工業	547,045	194,919	352,126	233,453	118,281
石油製品工業	1,345,588	183,037	1,162,551	704,060	438,046
窯業・土石製品工業	1,562,513	338,806	1,223,707	1,109,567	16,997
ガラス製品工業	105,771	95,235	10,536	-	7,516
鉄鋼業(注2)	6,160,701	3,891,915	2,268,786	1,754,505	50,431
非鉄金属地金工業	494,568	357,221	137,347	1,171	-
機械工業	2,326,877	2,084,877	242,000	11	230,460

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	41,930,515	3,164,805	38,765,710	31,674,487	2,017,687
事業所重複分補正量	3,295,616	36,774	3,258,842	3,183,433	43,395
パルプ・紙・板紙工業	12,396,377	55,540	12,340,837	11,982,828	301,168
化学工業	13,660,270	2,313,819	11,346,451	8,717,296	656,048
化学繊維工業	1,715,456	89,350	1,626,106	1,417,385	201,071
石油製品工業	6,344,661	383,331	5,961,330	4,646,939	842,949
窯業・土石製品工業	4,304,189	6,176	4,298,013	4,027,737	26,248
ガラス製品工業	10,406	-	10,406	3,632	6,774
鉄鋼業	6,526,064	320,956	6,205,108	4,045,495	26,824
非鉄金属地金工業	268,708	32,407	236,301	16,608	-

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年9月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
199,597	681,762	15,052,090	2,287,351	Total
31,313	1,943	1,017,850	122,675	Duplication adjustment
19,115	5,321	2,069,343	279,349	Pulp,Paper,Paperboard industry
69,095	88,529	3,076,451	511,760	Chemical products industry
-	392	476,112	70,933	Chemical fibers products industry
...	20,445	888,381	457,207	Petroleum products industry
31,313	65,830	1,342,137	220,376	Ceramics,clay and stone products industry
3,013	7	105,736	35	Glass products industry
81	463,769	5,316,387	844,314	Iron and steel products industry
	(炉頂圧) 242,501			
108,293	27,883	470,991	23,577	Non-ferrous metals products industry
...	11,529	2,324,402	2,475	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
5,073,536	39,915,089	18,496,997	18,843,080	2,575,012	2,015,426	Total
32,014	3,215,270	873,154	2,341,607	509	80,346	Duplication adjustment
56,841	12,311,465	5,164,015	6,855,996	291,454	84,912	Pulp,Paper,Paperboard industry
1,973,107	12,325,966	7,503,065	4,340,771	482,130	1,334,304	Chemical products industry
7,650	1,691,966	822,213	834,816	34,937	23,490	Chemical fibers products industry
471,442	6,032,948	3,269,772	2,332,698	430,478	311,713	Petroleum products industry
244,028	4,216,615	703,438	3,481,994	31,183	87,574	Ceramics,clay and stone products industry
-	10,406	9,544	-	862	-	Glass products industry
2,132,789	6,287,052	1,786,040	3,320,837	1,180,175	239,012	Iron and steel products industry
219,693	253,941	112,064	17,575	124,302	14,767	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(September, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	584,675	573,454	194,097	245,195	134,162	2,221	9,000	112,260
石 油 系 燃 料 (原 油 換 算)	〃	27,035	26,702	23,570	2,931	201	40	293	3,782
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	290	241	13	223	5	30	19	138
軽 油	〃	285	255	152	59	44	6	24	8
重 油 計	〃	17,650	17,406	16,762	550	94	2	242	3,053
A 重 油	〃	520	276	7	176	93	2	242	421
B・C 重 油	〃	17,130	17,130	16,755	374	1	-	-	2,632
炭 化 水 素 油	〃	1,620	1,620	1,620	-	-	-	-	-
液 化 石 油 ガ ス	t	1,350	1,342	8	1,318	16	3	5	289
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,445	2,445	2,189	256	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,853	1,853	1,670	147	36	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	8,199	8,040	1,538	5,687	815	54	105	7,356
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	414	414	414	-	-	-	-	-
天 然 ガ ス	1000m ³	349	349	-	349	-	-	-	-
液 化 天 然 ガ ス	t	1,210	1,210	736	265	209	-	-	13
都 市 ガ ス (A)	1000m ³	4,844	4,701	-	4,260	441	47	96	6,364
都 市 ガ ス (B) (注 2)	〃	5,280	5,130	-	4,641	489	51	99	6,909
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	424	424	424	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh 気 t	2,069,343	1,983,205	548,399	950,915	483,891	12,722	73,416	476,112
		5,164,015	5,124,722	1,706,774	2,142,891	1,275,057	13,648	25,645	822,213

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	890,351	867,736	297,284	385,117	185,335	2,858	19,757	164,377
石 油 系 燃 料 (原 油 換 算)	〃	62,453	60,020	34,285	19,190	6,545	194	2,240	28,993
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	420	370	21	242	107	32	19	171
軽 油	〃	297	259	152	60	47	6	33	16
重 油 計	〃	42,661	40,688	23,225	11,577	5,886	96	1,877	14,349
A 重 油	〃	4,490	3,709	298	2,793	618	43	737	1,121
B・C 重 油	〃	38,171	36,979	22,927	8,784	5,268	53	1,140	13,228
炭 化 水 素 油	〃	3,749	3,574	2,456	1,118	-	-	175	27
液 化 石 油 ガ ス	t	1,884	1,834	8	1,810	16	45	5	326
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	8,654	8,654	5,344	3,310	-	-	-	15,047
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,171	2,143	1,832	247	64	-	28	-
非 石 油 系 燃 料 (原 油 換 算)	kl	787,123	768,953	258,164	343,779	167,010	1,626	16,543	111,076
石 炭	t	382,107	381,275	123,569	171,718	85,988	390	442	106,369
石 炭 コ ー ク ス	〃	414	414	414	-	-	-	-	-
天 然 ガ ス	1000m ³	6,396	6,396	1,728	4,267	401	-	-	-
液 化 天 然 ガ ス	t	8,127	7,911	736	970	6,205	216	-	806
都 市 ガ ス (A)	1000m ³	56,522	51,650	285	18,773	32,592	815	4,057	33,087
都 市 ガ ス (B) (注 2)	〃	60,929	55,665	312	19,890	35,463	837	4,427	35,968
回 収 黒 液	絶乾(Dry)t	902,653	879,031	393,386	444,300	41,345	279	23,344	-
廃 材	〃	165,319	161,850	40,117	52,978	68,755	155	3,313	-
廃 タ イ ヤ	t	20,663	19,864	7,513	7,698	4,653	-	799	-
廃 プ ラ ス チ ッ ク	〃	4,126	4,123	1,351	2,604	168	-	2	-
R P F	〃	50,044	48,330	11,234	18,226	18,870	3	1,711	-
電 蒸	力 1000kWh 気 t	397,064	377,955	51,984	203,047	122,924	8,644	10,466	194,919
		55,540	52,161	-	47,163	4,998	3,379	-	89,350

注1. 原油換算値は38.2MJ/lである。

注2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年9月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
34,588	662	77,011	936,299	931,482	4,817	41,355	40,287	1,069	Total (Crude petroleum equivalent)
711	10	3,061	614,112	614,058	54	4,142	4,074	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	11	7	4	-	-	-	Gasoline
-	-	-	16,824	16,824	-	-	-	-	Naphtha
62	-	76	19	16	3	1	-	1	Kerosene
2	-	6	51	20	31	3	3	-	Gas oils
596	-	2,457	23,930	23,930	-	3,397	3,330	67	Heavy Fuel oil total
39	-	382	2,249	2,249	-	214	147	67	Heavy Fuel oil A
557	-	2,075	21,681	21,681	-	3,183	3,183	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
7	8	274	16,749	16,749	-	52	52	-	Liquefied petroleum gas
-	-	-	419,020	419,007	13	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
440	11	6,905	13,535	13,535	-	26,718	26,542	176	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,460	5,460	-	-	-	-	Natural gas
13	-	-	5,331	5,331	-	5,228	5,228	-	Liquefied natural gas
368	9	5,987	4	4	-	16,784	16,633	151	Town gas(A)
397	10	6,502	4	4	-	18,200	18,034	165	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
121,844	4,529	349,739	888,381	844,708	43,673	105,736	96,870	8,866	Electricity
319,762	3,175	499,276	3,269,772	3,259,639	10,133	9,544	9,544	-	Steam
43,576	816	119,985	1,012,636	1,002,737	9,899	42,463	41,394	1,069	Total (Crude petroleum equivalent)
9,299	260	19,434	937,843	929,462	8,380	4,144	4,075	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	11	7	4	-	-	-	Gasoline
-	-	-	16,851	16,848	3	-	-	-	Naphtha
62	-	109	4,810	4,525	285	3	2	1	Kerosene
3	-	14	51	20	31	3	3	-	Gas oils
4,211	141	9,997	98,007	96,292	1,715	3,397	3,330	67	Heavy Fuel oil total
77	74	969	17,524	17,354	170	214	147	67	Heavy Fuel oil A
4,133	67	9,028	80,483	78,938	1,545	3,183	3,183	-	Heavy Fuel oil B・C
24	-	3	10,822	10,822	-	-	-	-	Hydrocarbon oil
7	8	311	23,770	23,230	540	52	52	-	Liquefied petroleum gas
-	-	-	556,848	554,036	2,812	-	-	-	Hydrocarbon gas
5,416	119	9,511	33,363	32,073	1,290	-	-	-	Petroleum coke
-	-	-	9,391	8,693	697	-	-	-	Asphalt
-	-	-	-	-	-	402	402	-	Reproduction oil (Oil origin)
21,272	114	89,690	31,270	31,125	144	29,183	29,007	176	Non-oil based fuels (Crude petroleum equivalent)
22,603	-	83,767	20,692	20,633	59	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,629	5,629	-	-	-	-	Natural gas
660	-	146	7,627	7,627	-	5,428	5,428	-	Liquefied natural gas
4,409	100	28,578	303	213	90	18,663	18,512	151	Town gas(A)
4,798	108	31,063	332	233	99	20,255	20,089	165	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
81,611	3,708	109,600	183,037	174,094	8,943	98,213	89,347	8,866	Electricity
78,313	1,404	9,633	383,331	375,487	7,844	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(September, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry		Petrochemical products	
			化学工業製品	石油化学製品	原料用 as Materials	動力・燃料用等 For driving power, fuels.
合 計 (原 油 換 算)	kl	6,250,511	5,295,660	5,113,870	4,105,172	1,008,698
石 油 系 燃 料 (原 油 換 算)	"	4,702,119	4,643,059	4,603,190	4,101,562	501,628
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	5,857	5,857	5,857	5,857	-
ガソリン	"	17	2	2	...	2
ナフサ	"	2,571,697	2,564,119	2,564,119	2,564,119	-
改質生成油	"	1,432,705	1,432,705	1,432,705	1,432,705	...
灯油	"	86,262	83,316	83,316	83,162	154
軽油	"	4,172	3,874	3,874	3,873	1
重油	"	59,948	50,913	50,913	49,640	1,273
A重油	"	1,702	425	425	-	425
B・C重油	"	58,246	50,488	50,488	49,640	848
炭化水素油	"	38,358	33,896	33,896	25,671	8,225
液化石油ガス	t	404,351	386,450	386,411	369,054	17,357
石油系炭化水素ガス	1000m ³	364,615	362,247	357,659	1,645	356,014
オイルコークス	t	49,387	39,292	43	43	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	192	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	743,588	56,516	26,443	3,610	22,833
石炭	t	829,493	29	-	-	-
石炭コークス	"	12,578	2,745	-	...	-
タール	"	40,195	-	-	-	-
コークス炉ガス	1000m ³	91,493	1,173	193	-	193
高炉ガス	"	105,055	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	12,376	5,851	5,791	-	5,791
液化天然ガス	t	29,049	25,450	10,113	2,554	7,559
都市ガス(A)	1000m ³	16,392	7,983	4,955	...	4,955
都市ガス(B)	"	17,285	8,527	5,356	...	5,356
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	7,007	3,131	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	3,076,451	2,022,636	1,107,683	...	1,107,683
蒸 気	t	7,503,065	5,901,690	5,514,876	...	5,514,876

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,361,005	5,295,656	5,057,766	4,105,172	952,594
石 油 系 燃 料 (原 油 換 算)	"	4,903,560	4,807,386	4,753,713	4,101,562	652,151
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	5,857	5,857	5,857	5,857	-
ガソリン	"	17	2	2	...	2
ナフサ	"	2,571,697	2,564,119	2,564,119	2,564,119	-
改質生成油	"	1,432,705	1,432,705	1,432,705	1,432,705	-
灯油	"	86,431	83,387	83,368	83,162	206
軽油	"	4,172	3,874	3,874	3,873	1
重油	"	86,765	72,966	70,475	49,640	20,835
A重油	"	3,446	1,826	1,388	-	1,388
B・C重油	"	83,320	71,140	69,087	49,640	19,447
炭化水素ガス	"	77,805	71,663	71,572	25,671	45,901
液化石油ガス	t	406,755	388,609	388,513	369,054	19,459
石油系炭化水素ガス	1000m ³	435,944	419,998	413,103	1,645	411,458
オイルコークス	t	87,226	63,240	14,785	43	14,742
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	2,120	1,928	1,928	-	1,928
非 石 油 系 燃 料 (原 油 換 算)	kl	1,153,649	262,995	126,589	3,610	122,979
石炭	t	1,292,650	209,491	65,363	-	65,363
石炭コークス	"	12,578	2,745	-	-	-
タール	"	40,195	-	-	-	-
コークス炉ガス	1000m ³	95,071	2,133	425	-	425
高炉ガス	"	105,055	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	31,622	10,990	7,387	-	7,387
液化天然ガス	t	51,050	44,482	27,285	2,554	24,731
都市ガス(A)	1000m ³	43,672	25,859	21,075	-	21,075
都市ガス(B)	"	45,559	26,552	21,506	-	21,506
廃プラスチック	t	14,528	13,903	13,600	-	13,600
廃プラスチック	"	7,007	3,131	-	-	-
RPF	"	1,580	1,580	1,580	-	1,580
電 力	1000kWh	1,546,506	1,041,651	580,354	-	580,354
蒸 気	t	2,313,819	1,857,259	1,786,389	-	1,786,389

(令和3年9月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
86,608	53,682	32,926	95,183	954,851	Total	(Crude petroleum equivalent)
39,869	33,772	6,097	-	59,060	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	15	Gasoline
-	-	-	-	-	7,578	Naphtha
-	...	...	...	...	-	Oil produced by conversion
-	-	-	-	-	2,946	Kerosene
-	-	-	-	-	298	Gas oils
-	-	-	-	-	9,035	Heavy Fuel oil total
-	-	-	-	-	1,277	Heavy Fuel oil A
-	-	-	-	-	7,758	Heavy Fuel oil B・C
-	-	-	-	-	4,462	Hydrocarbon oil
39	-	39	-	-	17,901	Liquefied petroleum gas
4,588	-	4,588	-	-	2,368	Hydrocarbon gas
39,249	39,249	-	-	-	10,095	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	192	Reproduction oil (Oil origin)
27,852	19,910	7,942	2,221	687,072	Non-oil based fuels	(Crude petroleum equivalent)
29	29	-	-	-	829,464	Coal
-	...	-	2,745	-	9,833	Coal coke
-	-	-	-	-	40,195	Tar
980	-	980	-	-	90,320	Coke oven gas
-	-	-	-	-	105,055	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
-	-	-	60	-	6,525	Natural gas
15,337	12,395	2,942	-	-	3,599	Liquefied natural gas
2,938	...	2,938	90	-	8,409	Town gas(A)
3,079	...	3,079	92	-	8,758	Town gas(B)
-	-	-	-	-	-	Used tires
3,131	3,131	-	-	-	3,876	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
76,663	...	76,663	838,290	1,053,815	Electricity	
170,066	...	170,066	216,748	1,801,375	Steam	
90,048	53,682	36,366	147,841	1,065,349	Total	(Crude petroleum equivalent)
46,630	33,772	12,858	7,043	96,173	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	-	-	-	-	15	Gasoline
-	-	-	-	-	7,578	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	18	-	3,045	Kerosene
-	-	-	-	-	298	Gas oils
1,675	-	1,675	816	-	13,799	Heavy Fuel oil total
2	-	2	436	-	1,619	Heavy Fuel oil A
1,672	-	1,672	380	-	12,180	Heavy Fuel oil B・C
53	-	53	38	-	6,142	Hydrocarbon oil
39	-	39	57	-	18,146	Liquefied petroleum gas
6,881	-	6,881	15	-	15,946	Hydrocarbon gas
41,430	39,249	2,181	7,024	-	23,987	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	192	Reproduction oil (Oil origin)
36,856	19,910	16,947	99,550	890,654	Non-oil based fuels	(Crude petroleum equivalent)
9,541	29	9,512	134,586	-	1,083,159	Coal
-	-	-	2,745	-	9,833	Coal coke
-	-	-	-	-	40,195	Tar
1,708	-	1,708	-	-	92,938	Coke oven gas
-	-	-	-	-	105,055	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
1,211	-	1,211	2,391	-	20,633	Natural gas
15,903	12,395	3,508	1,294	-	6,569	Liquefied natural gas
3,007	-	3,007	1,776	-	17,814	Town gas(A)
3,152	-	3,152	1,894	-	19,008	Town gas(B)
-	-	-	303	-	625	Used tires
3,131	3,131	-	-	-	3,876	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
45,835	-	45,835	415,461	504,855	Electricity	
33,249	-	33,249	37,621	456,560	Steam	

(September, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	621,763	486,954	397,838	342,684	55,155
石油系燃料（原油換算）	〃	127,815	116,145	75,132	72,998	2,134
ガソリン	〃	24	17	12	...	12
灯油	〃	994	587	156	140	16
軽油	〃	1,102	627	522	210	312
重油計	〃	32,098	30,026	2,497	1,009	1,488
A重油	〃	1,854	1,367	665	411	254
B・C重油	〃	30,244	28,659	1,832	598	1,234
炭化水素油	〃	19,572	19,572	19,013	18,862	151
液化石油ガス	t	1,532	247	1	-	1
オイルコークス	〃	50,094	44,794	38,583	38,583	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	24,958	22,659	18,255	18,200	55
非石油系燃料（原油換算）	kl	320,476	312,669	272,496	269,686	2,810
石炭	t	370,502	368,366	355,747	355,014	733
石炭コークス	〃	16,365	10,616	185	185	-
コークス炉ガス	1000m ³	23,844	23,844	115	-	115
高炉ガス	〃	1,443	1,443	72	-	72
転炉ガス	〃	17,823	17,823	3,180	-	3,180
電気炉ガス	〃	334	334	-	-	-
天然ガス	〃	1,321	1,321	-	-	-
液化天然ガス	t	132	132	-	-	-
都市ガス（A）	1000m ³	6,320	5,551	1,923	517	1,406
都市ガス（B）	〃	6,868	6,037	2,039	566	1,473
廃材	絶乾(Dry)t	189	189	189	189	-
廃タイヤ	t	5,505	5,505	5,505	5,505	-
廃プラスチック	〃	34,557	33,004	32,183	32,183	-
RPF	〃	2,718	2,718	498	498	-
電	力 1000kWh	1,342,137	580,118	509,309	...	509,309
蒸	気 t	703,438	60,419	40,979	...	40,979

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	761,699	539,381	450,739	342,684	108,056
石油系燃料（原油換算）	〃	143,472	131,175	89,577	72,998	16,579
ガソリン	〃	24	17	12	-	12
灯油	〃	1,071	664	156	140	16
軽油	〃	1,102	627	522	210	312
重油計	〃	33,667	31,071	3,046	1,009	2,037
A重油	〃	2,635	1,816	761	411	350
B・C重油	〃	31,032	29,255	2,285	598	1,687
炭化水素油	〃	19,572	19,572	19,013	18,862	151
液化石油ガス	t	1,532	247	1	-	1
オイルコークス	〃	66,288	60,889	54,674	38,583	16,091
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	24,971	22,672	18,268	18,200	68
非石油系燃料（原油換算）	kl	583,370	385,074	344,595	269,686	74,909
石炭	t	746,972	468,350	455,480	355,014	100,466
石炭コークス	〃	16,365	10,616	185	185	-
コークス炉ガス	1000m ³	23,844	23,844	115	-	115
高炉ガス	〃	1,443	1,443	72	-	72
転炉ガス	〃	17,823	17,823	3,180	-	3,180
電気炉ガス	〃	334	334	-	-	-
天然ガス	〃	8,467	5,689	4,312	-	4,312
液化天然ガス	t	132	132	-	-	-
都市ガス（A）	1000m ³	6,597	5,622	1,923	517	1,406
都市ガス（B）	〃	7,136	6,106	2,039	566	1,473
廃材	絶乾(Dry)t	189	189	189	189	-
廃タイヤ	t	6,513	5,624	5,622	5,505	117
廃プラスチック	〃	34,557	33,004	32,183	32,183	-
RPF	〃	2,718	2,718	498	498	-
電	力 1000kWh	370,119	247,283	177,712	-	177,712
蒸	気 t	6,176	1,877	519	-	519

(令和3年9月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		3,783			
	熔解窯用 For dissolving furnaces	その他用 for Others		26,861	23,078	62,255	134,809
						Total (Crude petroleum equivalent)
						Oil based fuels (Crude petroleum equivalent)
-	...	-		5	7	Gasoline
1	-	1		430	407	Kerosene
1	-	1		104	475	Gas oils
17,117	17,089	28		10,412	2,072	Heavy Fuel oil total
28	-	28		674	487	Heavy Fuel oil A
17,089	17,089	-		9,738	1,585	Heavy Fuel oil B・C
-	-	-		559	-	Hydrocarbon oil
246	184	62		-	1,285	Liquefied petroleum gas
-	-	-		6,211	5,300	Petroleum coke
-	-	-		-	-	Asphalt
-	-	-		4,404	2,299	Reproduction oil (Oil origin)
4,857	4,382	475		35,316	7,807	Non-oil based fuels (Crude petroleum equivalent)
-	-	-		12,619	2,136	Coal
-	-	-		10,431	5,749	Coal coke
-	-	-		23,729	-	Coke oven gas
-	-	-		1,371	-	Blast furnace gas
-	-	-		14,643	-	Converter furnace gas
-	-	-		334	-	Electric furnace gas
827	827	-		494	-	Natural gas
51	-	51		81	-	Liquefied natural gas
3,297	2,942	355		331	769	Town gas(A)
3,650	3,271	379		348	831	Town gas(B)
-	-	-		-	-	Waste material
-	-	-		-	-	Used tires
-	-	-		821	1,553	Waste plastic
-	-	-		2,220	-	Refuse Paper & Plastic Fuel
29,133	...	29,133		41,676	762,019	Electricity
7,065	...	7,065		12,375	643,019	Steam

26,429	23,078	3,351		62,213	222,317	Total (Crude petroleum equivalent)
18,868	18,696	172		22,730	12,297	Oil based fuels (Crude petroleum equivalent)
-	-	-		5	7	Gasoline
1	-	1		507	407	Kerosene
1	-	1		104	475	Gas oils
17,174	17,089	85		10,851	2,597	Heavy Fuel oil total
28	-	28		1,027	820	Heavy Fuel oil A
17,146	17,089	57		9,824	1,777	Heavy Fuel oil B・C
-	-	-		559	-	Hydrocarbon oil
246	184	62		-	1,285	Liquefied petroleum gas
-	-	-		6,215	5,398	Petroleum coke
-	-	-		-	-	Asphalt
-	-	-		4,404	2,299	Reproduction oil (Oil origin)
4,878	4,382	496		35,601	198,297	Non-oil based fuels (Crude petroleum equivalent)
-	-	-		12,870	278,621	Coal
-	-	-		10,431	5,749	Coal coke
-	-	-		23,729	-	Coke oven gas
-	-	-		1,371	-	Blast furnace gas
-	-	-		14,643	-	Converter furnace gas
-	-	-		334	-	Electric furnace gas
827	827	-		550	2,777	Natural gas
51	-	51		81	-	Liquefied natural gas
3,316	2,942	374		383	975	Town gas(A)
3,670	3,271	399		397	1,030	Town gas(B)
-	-	-		-	-	Waste material
-	-	-		2	888	Used tires
-	-	-		821	1,553	Waste plastic
-	-	-		2,220	-	Refuse Paper & Plastic Fuel
28,820	-	28,820		40,751	122,836	Electricity
34	-	34		1,324	4,299	Steam

(September, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,507,904	5,066,582	353,638	15,723	2,677,255	54,442	316,874	179,267	
石 油 系 燃 料 (原 油 換 算)	〃	121,589	97,265	153	137	36,257	2,314	8,565	6,552	
ガ ソ リ ン	〃	143	43	-	-	-	-	-	-	
灯 油	〃	7,075	6,954	-	-	-	54	760	42	
軽 油	〃	1,953	1,737	-	-	3	38	134	133	
重 油 計	〃	24,781	24,658	-	127	25	1,823	1,517	282	
A 重 油	〃	13,527	13,404	-	-	25	453	1,373	282	
B・C 重 油	〃	11,254	11,254	-	127	-	1,370	144	-	
炭 化 水 素 油	〃	7,133	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	22,735	21,306	-	-	614	133	4,748	4,711	
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	58,285	41,358	178	-	41,180	-	-	-	
ア ス フ ァ ル ト	〃	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	147	147	-	-	-	114	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,457,198	4,096,252	319,769	13,427	2,578,969	38,613	154,026	119,694	
コークス製造用炭(原料炭)	t	3,184,475	351,465	-	-	335,180	-	-	-	
石 炭	〃	1,240,432	1,240,432	110,680	10,990	761,930	31,665	45,958	41,486	
石 炭 コ ー ク ス	〃	2,328,777	2,315,896	309,362	6,754	1,956,063	21,166	17,503	3,294	
タ ー ク ル	〃	8,275	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	764,599	620,994	22,999	1,818	80,640	235	30,087	29,072	
高 炉 ガ ス	〃	6,281,479	4,945,495	7,453	-	2,267,406	89	619	568	
転 炉 ガ ス	〃	397,367	346,728	1,337	-	92,274	187	2,118	2,017	
電 気 炉 ガ ス	〃	1,437	1,437	-	-	-	688	-	-	
天 然 ガ ス	〃	2,072	2,070	-	-	-	-	238	-	
液 化 天 然 ガ ス	t	32,911	32,899	1	-	33	83	470	2	
都 市 ガ ス (A)	1000m ³	172,422	166,706	226	-	5,349	124	8,187	2,440	
都 市 ガ ス (B)	〃	188,314	182,062	247	-	5,857	135	8,937	2,678	
酸 素	1000Nm ³	864,803	864,581	...	...	376,957	4,413	450,013	381,853
廢 材	絶乾(Dry)t	2,745	2,745	-	-	-	-	-	-	
廢 タ イ ヤ	t	27	27	-	-	-	-	27	27	
廢 プ ラ ス チ ッ ク	〃	18,507	3,263	-	-	2,746	6	511	511	
R P F	〃	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,316,387	4,976,588	352,448	22,598	424,020	143,427	1,449,100	385,152	
蒸 気	気 t	6,287,052	5,933,420	13,449	825	326,747	2,506	281,855	248,729	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,790,310	4,342,894	363,959	17,487	2,712,032	57,791	339,752	196,607
石 油 系 燃 料 (原 油 換 算)	〃	120,045	94,200	1,092	205	39,533	5,695	10,455	8,160
ガ ソ リ ン	〃	143	43	-	-	-	-	-	-
灯 油	〃	7,044	6,923	-	-	-	54	826	42
軽 油	〃	1,953	1,737	-	-	3	38	134	133
重 油 計	〃	23,957	23,428	580	127	1,633	4,913	2,559	1,105
A 重 油	〃	13,103	12,931	152	-	426	543	1,826	516
B・C 重 油	〃	10,854	10,497	429	127	1,207	4,370	733	589
炭 化 水 素 油	〃	7,133	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	22,228	19,960	250	53	1,826	172	5,317	5,280
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	58,285	41,358	178	-	41,180	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	147	147	-	-	-	114	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,286,036	3,889,898	340,351	17,192	2,644,031	41,541	209,443	165,106
コークス製造用炭(原料炭)	t	3,176,035	343,025	28	-	335,835	-	1,083	1,083
石 炭	〃	1,128,551	1,111,706	114,762	12,352	782,097	32,687	73,593	61,709
石 炭 コ ー ク ス	〃	2,328,777	2,315,896	309,362	6,754	1,956,063	21,166	17,503	3,294
タ ー ク ル	〃	8,275	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	735,533	582,099	30,472	2,780	98,422	958	42,462	40,737
高 炉 ガ ス	〃	5,670,875	4,170,110	125,211	23,807	2,636,444	17,981	219,160	214,477
転 炉 ガ ス	〃	359,203	301,648	7,399	448	107,140	524	14,681	13,831
電 気 炉 ガ ス	〃	1,437	1,187	-	-	-	1,144	-	-
天 然 ガ ス	〃	2,072	2,070	-	-	-	-	238	-
液 化 天 然 ガ ス	t	31,905	31,749	83	-	112	83	1,472	156
都 市 ガ ス (A)	1000m ³	165,890	158,687	1,613	43	9,057	156	12,666	4,474
都 市 ガ ス (B)	〃	181,218	173,336	1,758	47	9,897	170	13,833	4,894
酸 素	1000Nm ³	864,803	864,581	...	...	376,957	4,413	450,013	381,853
廢 材	絶乾(Dry)t	1,256	1,256	-	-	-	-	-	-
廢 タ イ ヤ	t	27	27	-	-	-	-	27	27
廢 プ ラ ス チ ッ ク	〃	18,507	3,263	-	-	2,746	6	511	511
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,891,972	3,647,261	239,824	676	268,700	112,111	1,288,028	231,577
蒸 気	気 t	320,956	282,345	2,982	385	50,252	1,818	27,450	26,025

(令和3年9月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
137,607	15,350	4,527	512,836	854,335	261,603	2,399,587	41,735	Total	
2,013	2,226	1,988	14,484	19,166	11,975	21,962	2,362	(Crude petroleum equivalent)	
-	-	-	1	-	42	-	100	Gasoline	
718	522	793	3,239	177	1,409	1	120	Kerosene	
1	43	10	19	-	1,490	24	192	Gas oils	
1,235	1,546	475	4,846	11,559	2,740	-	123	Heavy Fuel oil total	
1,091	1,546	471	4,208	2,681	2,647	-	123	Heavy Fuel oil A	
144	-	4	638	8,878	93	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	7,133	-	Hydrocarbon oil	
37	106	581	5,006	5,187	4,931	-	1,429	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	16,927	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
34,333	8,829	825	342,225	571,599	67,970	2,348,289	12,656	Non-oil based fuels	
-	-	-	-	16,285	-	2,832,804	206	(Crude petroleum equivalent)	
4,472	-	-	-	279,209	-	...	-	Coal for making coke (material coal)	
14,209	-	1	-	-	5,047	12,571	310	Coal coke	
-	-	-	-	-	-	8,275	-	Tar	
1,015	342	26	337,091	126,330	21,426	138,809	4,796	Coke oven gas	
51	210	-	130,545	2,401,127	138,046	1,334,239	1,745	Blast furnace gas	
101	416	-	100,271	142,155	7,970	34,535	16,104	Converter furnace gas	
-	-	-	-	749	-	-	-	Electric furnace gas	
238	133	-	1,343	231	125	-	2	Natural gas	
468	1,603	158	22,237	4,277	4,037	-	12	Liquefied natural gas	
5,747	5,225	469	83,573	38,922	24,631	492	5,224	Town gas(A)	
6,259	5,720	511	91,156	42,464	27,035	539	5,713	Town gas(B)	
68,160	292	243	11,225	...	21,438	...	222	Oxygen	
-	-	-	-	2,745	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	15,244	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,063,948	45,472	17,754	1,381,308	131,275	1,009,186	161,690	178,109	Electricity	
33,126	955	900	399,771	3,636,474	1,269,938	206,809	146,823	Steam	
143,145	15,471	4,544	553,721	-	278,136	2,393,936	53,481	Total	
2,295	2,226	1,990	17,571	-	15,431	22,224	3,621	(Crude petroleum equivalent)	
-	-	-	1	-	42	-	100	Gasoline	
784	522	793	3,243	-	1,485	1	120	Kerosene	
1	43	10	19	-	1,490	24	192	Gas oils	
1,454	1,546	477	6,704	-	4,888	67	462	Heavy Fuel oil total	
1,310	1,546	473	4,840	-	3,125	1	172	Heavy Fuel oil A	
144	-	4	1,864	-	1,763	66	290	Heavy Fuel oil B・C	
-	-	-	-	-	-	7,133	-	Hydrocarbon oil	
37	106	581	5,875	-	5,780	147	2,122	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	16,927	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
44,337	9,017	857	442,312	-	185,154	2,359,836	36,302	Non-oil based fuels	
-	-	-	212	-	5,867	2,832,804	206	(Crude petroleum equivalent)	
11,884	-	-	51,292	-	44,924	1,961	14,883	Coal	
14,209	-	1	-	-	5,047	12,571	310	Coal coke	
-	-	-	-	-	-	8,275	-	Tar	
1,725	342	26	357,757	-	48,879	143,479	9,954	Coke oven gas	
4,683	210	-	502,103	-	645,195	1,397,377	103,388	Blast furnace gas	
850	416	-	128,419	-	42,621	38,331	19,224	Converter furnace gas	
-	-	-	-	-	43	-	250	Electric furnace gas	
238	133	-	1,545	-	154	-	2	Natural gas	
1,316	1,735	158	23,005	-	5,101	79	77	Liquefied natural gas	
8,193	5,225	496	94,440	-	34,990	1,371	5,832	Town gas(A)	
8,939	5,721	541	103,021	-	38,349	1,501	6,381	Town gas(B)	
68,160	292	243	11,225	...	21,438	...	222	Oxygen	
-	-	-	575	-	681	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	15,244	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,036,450	44,752	17,630	978,176	-	717,364	117,843	126,868	Electricity	
1,425	950	819	41,161	-	156,528	13,206	25,405	Steam	

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry							
		非鉄金属 地金工業	非鉄金属地金	Non-ferrous metals			鉛	Lead	
				銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計（原油換算）	kl	89,060	77,092	28,974	22,655	6,319	4,672	4,086	586
石油系燃料（原油換算）	"	18,671	16,540	5,615	5,615	-	598	288	311
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,071	208	28	28	-	-	-	-
軽油	"	297	103	2	2	-	-	-	-
重油計	"	9,705	9,199	4,279	4,279	-	426	203	223
A重油	"	3,826	3,326	317	317	-	426	203	223
B・C重油	"	5,879	5,873	3,962	3,962	-	-	-	-
炭化水素油	"	3,396	2,894	437	437	-	-	-	-
液化石油ガス	t	533	457	346	346	-	1	-	1
オイルコークス	"	159	159	103	103	-	56	56	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油（石油由来）	kl	2,726	2,726	-	-	-	116	34	82
非石油系燃料（原油換算）	kl	18,831	18,449	3,945	3,945	-	3,336	3,336	-
石炭	t	5,062	5,062	4,967	4,967	-	94	94	-
石炭コークス	"	9,411	9,395	383	383	-	4,184	4,184	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	4,261	4,261	-	-	-	1,085	1,085	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,103	2,103	218	218	-	26	26	-
都市ガス（A）	1000m ³	4,440	4,123	-	-	-	-	-	-
都市ガス（B）	"	4,706	4,359	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	470,991 112,064	387,212 88,016	148,599 80,886	94,448 62,347	54,151 18,539	7,389 734	4,479 672	2,910 62

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	82,074	70,459	22,487	17,585	4,902	4,703	4,101	602
石油系燃料（原油換算）	"	19,266	16,959	5,925	5,793	132	609	298	311
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,178	315	135	28	107	-	-	-
軽油	"	297	103	2	2	-	-	-	-
重油計	"	10,184	9,503	4,475	4,445	30	437	214	223
A重油	"	4,138	3,463	346	333	13	437	214	223
B・C重油	"	6,046	6,040	4,129	4,112	17	-	-	-
炭化水素油	"	3,396	2,894	437	437	-	-	-	-
液化石油ガス	t	533	457	346	346	-	1	-	1
オイルコークス	"	159	159	103	103	-	56	56	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油（石油由来）	kl	2,726	2,726	-	-	-	116	34	82
非石油系燃料（原油換算）	kl	19,260	18,635	3,945	3,945	-	3,369	3,369	-
石炭	t	5,062	5,062	4,967	4,967	-	94	94	-
石炭コークス	"	9,411	9,395	383	383	-	4,184	4,184	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	6,119	5,128	-	-	-	1,277	1,277	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,212	2,154	218	218	-	37	37	-
都市ガス（A）	1000m ³	4,530	4,152	-	-	-	-	-	-
都市ガス（B）	"	4,805	4,392	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	444,069 32,407	366,827 10,732	129,438 8,338	81,521 3,814	47,917 4,524	7,255 732	4,345 429	2,910 302

(令和3年9月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
18,439	15,625	2,814	11,777	11,819	1,412	11,968	Total (Crude petroleum equivalent)	
683	527	157	2,031	7,280	333	2,131	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
7	7	-	109	60	4	863	Kerosene	
8	8	-	14	78	1	194	Gas oils	
519	483	36	1,755	2,080	140	506	Heavy Fuel oil total	
210	174	36	328	1,905	140	500	Heavy Fuel oil A	
309	309	-	1,427	175	-	6	Heavy Fuel oil B・C	
-	-	-	-	2,457	-	502	Hydrocarbon oil	
2	2	-	31	72	5	76	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
116	-	116	-	2,320	174	-	Reproduction oil (Oil origin)	
4,784	2,378	2,406	2,729	3,465	190	382	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	1	-	Coal	
4,822	2,213	2,609	-	-	6	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
3,176	124	3,052	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
570	450	120	202	959	128	-	Liquefied natural gas	
61	61	-	2,071	1,987	4	317	Town gas(A)	
68	68	-	2,301	1,986	4	348	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
137,656	136,428	1,228	75,217	11,547	6,804	83,779	Electricity	
2,403	428	1,975	284	-	3,709	24,048	Steam	
18,416	15,633	2,783	11,789	11,818	1,245	11,615	Total (Crude petroleum equivalent)	
721	529	192	2,031	7,280	393	2,307	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
7	7	-	109	60	4	863	Kerosene	
8	8	-	14	78	1	194	Gas oils	
557	486	71	1,755	2,080	200	681	Heavy Fuel oil total	
248	177	71	328	1,905	200	675	Heavy Fuel oil A	
309	309	-	1,427	175	-	6	Heavy Fuel oil B・C	
-	-	-	-	2,457	-	502	Hydrocarbon oil	
2	2	-	31	72	5	76	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
116	-	116	-	2,320	174	-	Reproduction oil (Oil origin)	
4,932	2,414	2,517	2,729	3,464	196	625	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	1	-	Coal	
4,822	2,213	2,609	-	-	6	16	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
3,823	135	3,688	-	-	28	992	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
608	451	157	202	959	130	58	Liquefied natural gas	
90	90	-	2,071	1,987	5	378	Town gas(A)	
100	100	-	2,301	1,986	5	414	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
137,205	136,415	790	75,217	11,547	6,165	77,242	Electricity	
-	-	-	473	-	1,189	21,675	Steam	

(September, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合 計 (原 油 換 算)	kl	277,353	199,282	4,044	5,855	25,311
石 油 系 燃 料 (原 油 換 算)	〃	13,920	8,367	537	1,348	177
ガ ソ リ ン	〃	2,596	1,296	-	2	1
灯 油	〃	2,065	1,082	10	164	57
軽 油	〃	2,082	514	265	3	4
重 油 計	〃	1,980	1,622	1	1,147	34
A 重 油	〃	1,980	1,622	1	1,147	34
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	4,399	3,161	206	28	65
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	47,209	26,278	934	567	736
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	617	617	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	490	490	-	-	-
液 化 天 然 ガ ス	t	3,239	970	-	113	-
都 市 ガ ス (A)	1000m ³	35,819	20,565	801	349	627
都 市 ガ ス (B)	〃	39,200	22,511	879	383	693
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,324,402	1,769,838	27,657	42,348	262,279

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	318,936	232,697	4,141	6,290	29,754
石 油 系 燃 料 (原 油 換 算)	〃	14,888	9,302	538	1,361	504
ガ ソ リ ン	〃	2,596	1,296	-	2	1
灯 油	〃	2,079	1,095	10	177	57
軽 油	〃	2,110	538	265	3	6
重 油 計	〃	2,361	1,980	2	1,147	38
A 重 油	〃	2,361	1,980	2	1,147	38
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	4,819	3,577	206	28	313
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	110,107	77,084	1,149	1,211	6,482
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	617	617	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	2,531	2,527	-	-	1,097
液 化 天 然 ガ ス	t	7,147	3,732	-	179	185
都 市 ガ ス (A)	1000m ³	83,214	58,992	985	823	4,418
都 市 ガ ス (B)	〃	91,113	64,568	1,082	902	4,723
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,084,877	1,572,834	26,384	39,969	244,755

(令和3年9月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
62,594	4,762	96,717	78,071	Total (Crude petroleum equivalent)
474	25	5,806	5,553	Oil based fuels (Crude petroleum equivalent)
3	-	1,290	1,300	Gasoline
-	-	851	983	Kerosene
-	-	242	1,568	Gas oils
111	-	329	358	Heavy Fuel oil total
111	-	329	358	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
278	19	2,565	1,238	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,401	157	22,483	20,931	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	617	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	489	-	Natural gas
-	-	857	2,269	Liquefied natural gas
1,196	134	17,458	15,254	Town gas(A)
1,318	148	19,089	16,689	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
652,727	49,230	735,597	554,564	Electricity
73,050	4,779	114,682	86,240	Total (Crude petroleum equivalent)
741	25	6,133	5,586	Oil based fuels (Crude petroleum equivalent)
3	-	1,290	1,300	Gasoline
-	-	851	984	Kerosene
-	-	264	1,572	Gas oils
377	-	417	381	Heavy Fuel oil total
377	-	417	381	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
278	19	2,733	1,242	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,364	188	50,691	33,022	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	617	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	1,429	4	Natural gas
-	-	3,368	3,415	Liquefied natural gas
14,880	160	37,726	24,222	Town gas(A)
16,349	177	41,335	26,545	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
590,658	49,096	621,972	512,043	Electricity

(September, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	31,169	-	600,127	5,792	5,468
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	5
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	38
板 ガ ラ ス Sheet Glass	...	-	-	-	-
石 灰 Lime	...	-	-	-	166
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	132
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	193
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	47

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
5,679	1,097	15,649	69,376	14,398	57,967	-
-	31	1,304	427	88,820	11,896	-
-	1,851	985	15	8,257	238,064	1,008
15	2,042	12,987	-	155,704	577,486	154
-	112	13,359	91	-	-	-
23	1,226	5,334	-	5,771	17,279	8,079
-	549	2,588	50	-	8,513	32
-	280	-	-	23	29	3,605
1	371	118	-	-	-	6,354
1	83	104	7	-	-	-
13	237	114	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(September, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	520,371	-	125,053	6,549	-
石 油 系 燃 料 (原 油 換 算)	"	62,234	-	5,725	5,834	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	3,958	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	47	-	43	-	-
A 重 油	"	91	-	-	-	-
B ・ C 重 油	"	1,878	-	82	6	-
炭 化 水 素 油	"	9,416	-	3,888	-	-
液 化 石 油 ガ ス	t	472	-	472	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	5,262	-	205	4,502	-
オ イ ル コ ー ク ス	t	25,459	-	-	-	-
ア ス フ ァ ル ト	t	6,411	-	755	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		258	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	438,967	-	115,609	146	-
石 炭 コ ー ク ス	t	370,786	-	105,695	-	-
コ ー ク ス 炉 ガ ス	1000m ³	82,364	-	414	-	-
高 炉 ガ ス	1000m ³	44,412	-	-	-	-
液 化 天 然 ガ ス	t	324,371	-	-	-	-
都 市 ガ ス (B)	1000m ³	2,377	-	82	103	-
回 収 黒 液	絶乾(Dry)t	100,852	-	100,852	...	...
廃 プ ラ ス チ ッ ク	t	5,074	-	7	-	-
R P F	"	1,557	-	1,557	-	-
電 力	1000kWh	501,307	-	236,748	4,659	-
う ち 購 入 分	"	118,291	-	20,864	4,659	-
蒸 気	t	2,758,700	-	1,461,161	5,423	-
う ち 受 入 分	"	92,426	-	-	1,958	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	457,503	-	155,118	125,125	145
石 油 系 燃 料 (原 油 換 算)	"	186,306	-	5,962	111,598	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	414	-	-	-	-
灯 油	"	107,777	-	-	107,777	-
軽 油	"	959	-	1	-	-
A 重 油	"	197	-	4	-	-
B ・ C 重 油	"	3,843	-	440	326	-
炭 化 水 素 油	"	8,133	-	3,750	-	-
液 化 石 油 ガ ス	t	1,738	-	630	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	13,700	-	111	10,182	-
オ イ ル コ ー ク ス	t	42,776	-	-	3,215	-
ア ス フ ァ ル ト	t	2,104	-	535	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		613	-	201	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	232,151	-	144,822	9,540	-
石 炭 コ ー ク ス	t	180,632	-	84,312	13,251	-
コ ー ク ス 炉 ガ ス	1000m ³	5,527	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	t	6,880	-	-	-	-
都 市 ガ ス (B)	1000m ³	6,551	-	-	427	-
回 収 黒 液	絶乾(Dry)t	721	-	-	-	-
廃 プ ラ ス チ ッ ク	t	170,407	-	170,407	...	...
R P F	t	5,070	-	121	-	-
	"	8,817	-	8,817	-	-
電 力	1000kWh	759,714	-	304,671	43,126	783
う ち 購 入 分	"	381,352	-	46,600	20,885	783
蒸 気	t	2,341,228	-	1,833,579	168,946	1,041
う ち 受 入 分	"	44,871	-	-	29,563	1,041

(令和3年9月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
42,400	36,241	-	307,153	-	2,975	Total (Crude petroleum equivalent)
42,400	1,233	-	6,978	-	64	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
3,958	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	4	-	-	Kerosene
-	6	-	85	-	-	Gas oils
-	428	-	1,358	-	4	Heavy Fuel oil A
5,040	488	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
-	-	-	509	-	46	Liquefied petroleum gas
25,459	-	-	-	-	-	Hydrocarbon gas
-	-	-	5,656	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	258	-	-	-	-	Reproduction oil (Oil origin)
-	33,867	-	287,083	-	2,263	Non-oil based fuels (Crude petroleum equivalent)
-	45,325	-	219,766	-	-	Coal
-	185	-	81,765	-	-	Coal coke
-	169	-	44,243	-	-	Coke oven gas
-	-	-	324,371	-	-	Blast furnace gas
-	-	-	591	-	1,601	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	3,881	-	1,186	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
36,060	43,352	-	158,021	-	22,467	Electricity
-	12,274	-	73,520	-	6,974	among those purchased
178,930	118,148	-	995,038	-	...	Steam
-	-	-	90,468	-	...	among those accepted
57,218	26,475	1,611	62,192	21,777	7,843	Total (Crude petroleum equivalent)
57,217	2,091	212	6,432	1,915	879	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
414	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	2	1	227	80	648	Kerosene
-	104	1	10	76	2	Gas oils
2	117	206	2,079	495	178	Heavy Fuel oil A
704	122	-	3,495	62	-	Heavy Fuel oil B・C
-	416	-	-	692	-	Hydrocarbon oil
3,062	-	2	265	12	66	Liquefied petroleum gas
39,561	-	-	-	-	-	Hydrocarbon gas
-	1,513	-	-	56	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	6	-	-	406	-	Reproduction oil (Oil origin)
-	22,088	246	44,506	8,936	2,014	Non-oil based fuels (Crude petroleum equivalent)
-	26,490	-	51,904	4,675	-	Coal
-	-	-	1,556	3,971	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	6,880	-	Blast furnace gas
-	-	174	4,438	1,512	-	Liquefied natural gas
-	-	-	-	34	687	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,949	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
38,623	31,556	12,363	157,234	113,622	57,736	Electricity
3	24,677	9,385	120,988	104,812	53,219	among those purchased
188,201	35,546	-	10,027	103,888	...	Steam
-	-	-	-	14,267	...	among those accepted

(September, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,684,020	34,065	197,777	2,706,657	11,839
石 油 系 燃 料 (原 油 換 算)	"	2,938,591	5,255	12,990	2,458,219	189
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	729	5	1	7	2
改 質 生 成 油	"	1,410,714	-	-	1,409,820	-
灯 質 生 成 油	"	464,653	-	-	464,653	-
軽 油	"	35,531	94	184	28,398	-
A 重 油	"	6,461	234	25	4,110	-
B ・ C 重 油	"	5,203	402	1,258	107	-
炭 化 水 素 油	"	72,328	157	10,503	12,413	68
液 化 石 油 ガ ス	t	61,075	-	-	42,415	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	286,154	16	26	263,403	88
オ イ ル コ ー ク ス	t	529,594	-	-	275,771	-
ア ス フ ァ ル ト	"	56,944	5,041	-	53,113	-
再 生 油 (石 油 由 来)	kl	5,482	-	-	-	-
		9,734	-	143	2,120	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,410,286	19,523	169,052	113,468	11,457
石 炭 コ ー ク ス	t	1,433,558	11,739	22,720	11,739	-
コ ー ク ス 炉 ガ ス	1000m ³	745,261	4,865	-	4,865	-
高 炉 ガ ス	"	241,731	-	-	2,619	-
液 化 天 然 ガ ス	t	2,037,662	-	-	-	-
都 市 ガ ス (B)	1000m ³	26,244	-	5,606	15,405	-
回 収 黒 液	絶乾(Dry)t	184,319	-	42,527	26,301	10,788
廃 プ ラ ス チ ッ ク	t	125,878	-	125,878	...	...
R P F	"	22,415	-	317	3,131	-
	"	23,988	-	21,293	-	-
電 力	1000kWh	4,064,822	107,746	459,604	1,054,345	28,315
う ち 購 入 分	"	2,457,694	58,383	153,748	678,359	2,074
蒸 気	t	10,939,960	69,211	2,130,729	4,215,553	54,994
う ち 受 入 分	"	1,369,807	13,651	20,724	978,998	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,678,684	5,243	115,044	505,772	15,338
石 油 系 燃 料 (原 油 換 算)	"	650,946	58	15,114	444,691	3,859
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,022	9	1	1	-
改 質 生 成 油	"	203,530	-	-	197,992	-
灯 質 生 成 油	"	144,265	-	-	144,265	-
軽 油	"	4,994	36	29	248	123
A 重 油	"	898	2	45	6	9
B ・ C 重 油	"	19,675	14	357	567	493
炭 化 水 素 油	"	31,362	-	7,096	2,956	597
液 化 石 油 ガ ス	t	26,418	-	2,782	17,016	30
石 油 系 炭 化 水 素 ガ ス	1000m ³	49,051	-	148	39,723	67
オ イ ル コ ー ク ス	t	102,951	-	-	32,641	-
ア ス フ ァ ル ト	"	56,317	-	4,496	37,967	2,877
再 生 油 (石 油 由 来)	kl	2,518	-	-	-	-
		12,055	-	80	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	856,686	4,265	93,389	40,918	5,681
石 炭 コ ー ク ス	t	475,952	-	9,400	24,545	-
コ ー ク ス 炉 ガ ス	1000m ³	207,838	-	-	-	-
高 炉 ガ ス	"	75,490	-	-	-	-
液 化 天 然 ガ ス	t	835,126	-	-	-	-
都 市 ガ ス (B)	1000m ³	27,297	-	1,901	16,947	140
回 収 黒 液	絶乾(Dry)t	89,717	4,016	2,087	387	5,163
廃 プ ラ ス チ ッ ク	t	140,382	-	140,382	...	...
R P F	"	8,431	-	3,898	-	-
	"	9,895	-	9,895	-	-
電 力	1000kWh	2,426,371	13,900	220,702	246,147	67,591
う ち 購 入 分	"	1,667,233	9,892	55,059	107,629	51,513
蒸 気	t	3,987,716	-	1,204,104	933,160	84,175
う ち 受 入 分	"	194,316	-	20,527	142,673	14,555

(令和3年9月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
475,675	114,597	12,966	2,107,151	17,451	73,973	Total (Crude petroleum equivalent)
422,498	27,971	1,670	10,747	3,046	6,515	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
6	8	-	38	5	667	Gasoline
894	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
5,078	117	-	894	45	909	Kerosene
29	753	2	428	64	1,284	Gas oils
925	306	8	1,196	928	877	Heavy Fuel oil A
37,098	10,084	1,481	315	523	-	Heavy Fuel oil B・C
13,175	1,974	-	3,055	456	-	Hydrocarbon oil
17,097	27	47	3,165	46	2,271	Liquefied petroleum gas
253,818	-	-	5	-	-	Hydrocarbon gas
-	8,120	-	752	-	-	Petroleum coke
5,482	-	-	-	-	-	Asphalt
-	6,597	-	-	874	-	Reproduction oil (Oil origin)
17,972	72,389	9,184	2,004,639	2,975	28,673	Non-oil based fuels (Crude petroleum equivalent)
16,959	56,724	-	1,337,155	-	-	Coal
-	9,051	-	733,619	2,213	378	Coal coke
-	10,326	-	228,786	-	-	Coke oven gas
-	-	-	2,037,662	-	-	Blast furnace gas
-	51	1,903	691	157	2,431	Liquefied natural gas
332	2,454	6,115	71,275	1,031	23,497	Town gas(B)
...	...	...	...	...	...	Black liquor
-	10,121	-	8,846	-	-	Waste plastic
-	2,695	-	-	-	-	Refuse Paper & Plastic Fuel
371,131	208,669	24,930	1,435,115	120,344	470,115	Electricity
110,317	121,706	22,704	972,031	38,207	416,931	among those purchased
2,452,445	185,471	1,824	1,964,736	3,419	...	Steam
360,866	34	-	19,430	3,406	...	among those accepted
139,021	52,991	5,144	708,231	11,293	131,093	Total (Crude petroleum equivalent)
128,775	30,245	1,278	19,788	4,148	3,106	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,018	Gasoline
5,538	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	341	2	4,139	4	143	Kerosene
13	95	-	432	36	264	Gas oils
16,175	81	8	1,332	379	297	Heavy Fuel oil A
9,755	7,863	787	1,095	1,213	-	Heavy Fuel oil B・C
-	5,281	-	-	1,309	-	Hydrocarbon oil
1,499	-	-	6,333	96	1,185	Liquefied petroleum gas
70,310	-	-	-	-	-	Hydrocarbon gas
-	5,477	-	5,500	-	-	Petroleum coke
2,518	-	-	-	-	-	Asphalt
-	10,668	402	-	905	-	Reproduction oil (Oil origin)
7,904	18,669	2,889	636,979	2,606	51,916	Non-oil based fuels (Crude petroleum equivalent)
3,733	14,506	-	423,768	-	-	Coal
-	566	-	206,567	705	-	Coal coke
-	3,115	-	72,375	-	-	Coke oven gas
-	-	-	835,126	-	-	Blast furnace gas
3,811	-	451	3,826	-	221	Liquefied natural gas
-	3,637	2,120	30,927	1,956	47,456	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,981	-	2,552	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
144,220	62,805	10,512	731,981	27,491	928,822	Electricity
14,487	43,760	10,512	551,593	24,810	817,762	among those purchased
1,168,593	68,383	497	528,804	-	...	Steam
14,371	84	-	2,106	-	...	among those accepted

(September, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,851,404	37,453	46,167	667,221	70,087
石 油 系 燃 料 (原 油 換 算)	"	504,989	126	972	381,955	1,468
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	243	1	1	8	2
改 質 生 成 油	"	152,607	-	-	152,521	-
灯 油	"	143,490	-	-	143,490	-
軽 油	"	433	-	1	66	-
A 重 油	"	766	122	14	32	8
B・C 重 油	"	2,477	3	58	3	912
炭 化 水 素 油	"	72,657	-	-	59,828	500
液 化 石 油 ガ ス	t	12,839	-	-	3,331	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	36,393	2	9	32,314	1
オ イ ル コ ー ク ス	t	76,110	-	-	11,963	-
ア ス フ ァ ル ト	"	2,739	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,221	-	853	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,231,985	26,375	42,879	281,602	59,360
石 炭 コ ー ク ス	t	875,827	21,144	11,657	302,779	49,095
コ ー ク ス 炉 ガ ス	1000m ³	278,321	-	-	-	-
高 炉 ガ ス	"	129,508	-	-	17,130	-
液 化 天 然 ガ ス	t	1,043,718	-	-	105,055	-
都 市 ガ ス (B)	t	28,336	2,026	-	16,728	234
回 収 黒 液	1000m ³	139,313	8,711	19,195	14,201	24,405
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	28,353	-	28,353	...	...
R P F	t	633	-	-	-	-
	"	690	-	667	-	-
電 力	1000kWh	1,825,905	167,702	92,824	272,719	213,124
う ち 購 入 分	"	1,034,153	117,728	24,901	171,418	93,797
蒸 気	t	3,481,406	203,911	486,808	811,428	613,677
う ち 受 入 分	"	263,575	-	-	111,655	7,729

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,775,135	297,372	104,677	1,480,158	50,452
石 油 系 燃 料 (原 油 換 算)	"	1,389,383	5,712	11,764	1,079,866	16,063
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	114	101	-	1	1
改 質 生 成 油	"	541,540	-	-	535,574	-
灯 油	"	330,527	-	-	330,527	-
軽 油	"	58,759	290	18	57,242	48
A 重 油	"	521	42	14	6	-
B・C 重 油	"	11,050	641	127	1,245	27
炭 化 水 素 油	"	68,385	3,857	6,734	14,241	8,926
液 化 石 油 ガ ス	t	33,263	-	-	29,041	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	52,462	386	-	45,271	170
オ イ ル コ ー ク ス	t	218,346	-	-	104,852	-
ア ス フ ァ ル ト	"	119,887	-	4,111	39,249	7,123
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,335	-	765	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,196,527	286,652	90,438	346,671	31,551
石 炭 コ ー ク ス	t	1,787,023	415,870	19,877	465,456	42,276
コ ー ク ス 炉 ガ ス	1000m ³	647,401	3,623	-	3,384	-
高 炉 ガ ス	"	189,839	-	-	1,368	-
液 化 天 然 ガ ス	t	1,385,185	-	-	-	-
都 市 ガ ス (B)	t	11,601	-	209	5,966	483
回 収 黒 液	1000m ³	39,707	915	1,363	4,555	2,219
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	169,755	-	169,755	...	...
R P F	t	3,454	1,959	23	1,959	-
	"	8,781	-	7,201	1,580	-
電 力	1000kWh	3,092,411	721,198	191,932	1,109,850	88,119
う ち 購 入 分	"	1,655,292	36,652	26,604	233,758	15,790
蒸 気	t	9,391,716	2,942,148	1,314,965	5,044,955	568,890
う ち 受 入 分	"	509,893	23,123	-	461,156	19,800

(令和3年9月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
93,976	58,213	22,610	888,920	4,183	37,480	Total
91,355	21,241	988	4,374	1,127	1,635	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	231	(Crude petroleum equivalent)
86	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
4	33	-	112	63	154	Naphtha
9	15	-	309	35	466	Oil produced by conversion
80	235	-	115	822	255	Kerosene
5,354	5,841	915	219	-	-	Gas oils
-	9,508	-	-	-	-	Heavy Fuel oil A
672	219	-	2,728	7	445	Heavy Fuel oil B・C
64,147	-	-	-	-	-	Hydrocarbon oil
-	2,739	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,099	-	78	191	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
1,355	34,236	17,023	824,913	2,368	14,624	Non-oil based fuels
-	44,344	-	489,096	-	-	(Crude petroleum equivalent)
-	545	-	277,776	-	-	Coal
-	1,827	-	110,551	-	-	Coal coke
-	1,161	-	937,502	-	-	Coke oven gas
959	-	2,990	6,829	385	2,237	Blast furnace gas
-	1,080	12,049	64,584	1,717	10,793	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	627	-	6	-	-	Black liquor
-	23	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
63,385	63,007	54,738	991,503	7,393	234,914	Electricity
13,571	29,407	49,441	533,958	7,267	228,121	among those purchased
354,767	301,572	8,085	1,108,104	876	...	Steam
44	15	-	144,132	-	...	among those accepted
250,683	338,784	92	1,796,391	9,990	41,281	Total
242,233	10,828	-	29,688	2,256	2,396	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	100	-	110	(Crude petroleum equivalent)
5,966	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
7	415	-	954	167	198	Naphtha
-	35	-	347	83	78	Oil produced by conversion
303	796	-	7,005	1,234	954	Kerosene
31,777	4,413	-	5,432	719	-	Gas oils
-	143	-	4,078	-	-	Heavy Fuel oil A
1,298	189	-	5,088	-	-	Heavy Fuel oil B・C
113,494	-	-	-	-	-	Hydrocarbon oil
59,523	4,476	-	5,405	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	570	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
5,098	323,482	-	1,669,115	1,674	15,150	Non-oil based fuels
-	461,690	-	1,213,594	-	-	(Crude petroleum equivalent)
-	5,165	-	640,099	2,137	239	Coal
-	4,289	-	184,182	-	-	Coal coke
-	282	-	1,384,903	-	-	Coke oven gas
3,607	81	-	1,188	-	67	Blast furnace gas
-	94	-	18,856	68	13,467	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	1,959	-	1,472	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
184,895	728,347	993	1,140,551	67,919	301,003	Electricity
30,045	44,941	993	1,020,487	64,174	255,152	among those purchased
1,343,340	2,806,643	-	1,218,925	36,146	...	Steam
8,050	4,241	-	38,462	1,307	...	among those accepted

(September, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	735,887	-	180,378	429,121	28,816
石 油 系 燃 料 (原 油 換 算)	"	213,942	-	8,246	158,959	9,348
原 油	"	-	-	...	-	...
ガ ソ リ	"	11	-	4	-	-
ナ フ サ	"	496	-	-	496	-
改 質 生 成 油	"	135,515	-	-	135,515	-
灯 油	"	1,889	-	3	265	-
軽 油	"	274	-	196	-	-
A 重 油	"	2,641	-	1,909	8	-
B ・ C 重 油	"	20,202	-	3,872	7,268	4,239
炭 化 水 素 油	"	4,301	-	-	1,383	-
液 化 石 油 ガ ス	t	6,962	-	1,385	2,930	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	33,111	-	-	17,809	-
オ イ ル コ ー ク ス	t	13,431	-	-	4,330	5,543
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	310	-	147	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	472,572	-	168,729	241,707	18,086
石 炭	t	522,550	-	153,383	283,513	25,373
石 炭 コ ー ク ス	"	6,234	-	-	4,329	-
コ ー ク ス 炉 ガ ス	1000m ³	41,116	-	-	41,116	-
高 炉 ガ ス	"	-	-	-	-	-
液 化 天 然 ガ ス	t	2,924	-	1,729	199	-
都 市 ガ ス (B)	1000m ³	1,027	-	110	-	917
回 収 黒 液	絶乾(Dry)t	141,150	-	141,150	...	...
廃 プ ラ ス チ ッ ク	t	15	-	15	-	-
R P F	"	9,747	-	9,747	-	-
電 力	1000kWh	881,968	-	403,416	172,194	61,826
う ち 購 入 分	"	365,310	-	25,961	161,276	14,608
蒸 気	t	4,038,085	-	2,891,714	279,676	323,294
う ち 受 入 分	"	222,667	-	14,289	194,621	330

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,993,744	914	70,957	611,773	4,918
石 油 系 燃 料 (原 油 換 算)	"	513,772	234	5,873	372,128	225
原 油	"	5,857	-	...	5,857	...
ガ ソ リ	"	569	-	-	-	-
ナ フ サ	"	275,294	-	-	275,294	-
改 質 生 成 油	"	106,478	-	-	106,478	-
灯 油	"	1,616	234	176	230	-
軽 油	"	390	6	1	18	-
A 重 油	"	3,552	-	376	1,795	-
B ・ C 重 油	"	19,261	-	4,509	944	208
炭 化 水 素 油	"	5,741	-	-	5,470	-
液 化 石 油 ガ ス	t	15,938	6	-	10,081	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	31,575	-	-	11,759	-
オ イ ル コ ー ク ス	t	82,069	-	489	-	-
ア ス フ ァ ル ト	"	7,807	-	-	-	-
再 生 油 (石 油 由 来)	kl	5,065	-	36	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,343,001	-	62,661	200,304	-
石 炭	t	1,100,561	-	38,409	264,132	-
石 炭 コ ー ク ス	"	386,728	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	161,491	-	-	32,911	-
高 炉 ガ ス	"	761,915	-	-	-	-
液 化 天 然 ガ ス	t	16,323	-	-	789	-
都 市 ガ ス (B)	1000m ³	10,163	-	115	2,202	-
回 収 黒 液	絶乾(Dry)t	93,522	-	93,522	...	...
廃 プ ラ ス チ ッ ク	t	17,401	-	-	1,917	-
R P F	"	-	-	-	-	-
電 力	1000kWh	1,499,592	7,304	159,446	173,411	16,354
う ち 購 入 分	"	1,104,374	7,304	26,043	109,884	16,354
蒸 気	t	2,976,278	-	988,405	866,825	45,895
う ち 受 入 分	"	467,250	-	-	393,195	45,895

(令和3年9月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
24,031	48,235	-	5,624	13,629	6,053	Total
24,030	6,081	-	2,315	4,690	272	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	5	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
726	96	-	44	746	9	9 Kerosene
-	73	-	2	3	-	- Gas oils
-	265	-	59	262	138	138 Heavy Fuel oil A
1,948	344	-	156	2,375	-	- Heavy Fuel oil B・C
-	1,979	-	-	939	-	- Hydrocarbon oil
831	-	-	1,579	142	95	95 Liquefied petroleum gas
15,302	-	-	-	-	-	- Hydrocarbon gas
-	3,558	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	163	-	-	-	-	- Reproduction oil (Oil origin)
-	41,388	-	1,178	434	1,050	Non-oil based fuels
-	59,894	-	-	387	-	(Crude petroleum equivalent)
-	806	-	868	231	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	253	-	743	743 Liquefied natural gas
-	-	-	-	-	-	- Town gas(B)
...	...	...	...	...	...	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
23,380	55,196	-	23,456	91,381	51,119	Electricity
11	8,236	-	22,906	81,458	50,854	among those purchased
144,511	339,571	-	9,997	49,322	...	Steam
-	-	-	-	13,427	...	among those accepted
46,998	134,712	209	1,087,357	5,922	31,811	Total
45,640	44,569	4	41,267	2,127	2,174	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	3	-	-	-	566	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	566 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	67	-	701	73	603	603 Kerosene
-	21	-	340	-	16	16 Gas oils
156	478	-	383	61	303	303 Heavy Fuel oil A
9,443	2,461	-	542	1,154	-	- Heavy Fuel oil B・C
-	271	-	-	-	-	- Hydrocarbon oil
850	1,097	3	3,068	230	615	615 Liquefied petroleum gas
19,816	-	-	-	-	-	- Hydrocarbon gas
-	40,505	-	40,972	103	-	- Petroleum coke
7,807	-	-	-	-	-	- Asphalt
-	4,610	-	69	350	-	- Reproduction oil (Oil origin)
-	85,013	-	988,785	401	5,836	Non-oil based fuels
-	108,396	-	689,624	-	-	(Crude petroleum equivalent)
-	47	-	386,527	154	-	- Coal
-	4,118	-	124,462	-	-	- Coal coke
-	-	-	761,915	-	-	- Coke oven gas
-	-	-	15,095	202	237	237 Blast furnace gas
-	-	-	2,672	-	5,174	5,174 Liquefied natural gas
...	...	...	...	...	...	... Town gas(B)
-	11,039	-	4,445	-	-	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
26,687	149,205	2,200	678,526	42,841	258,226	Electricity
14,603	53,805	2,200	596,432	36,493	255,864	among those purchased
202,161	361,281	-	451,421	60,290	...	Steam
-	1,802	-	26,358	-	...	among those accepted

(September, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年10月分
October, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

1) 固有単位表 20

2) 熱量単位表 20

(2) 燃料受払

1) 燃料種別表 24

① 固有単位表 24

② 熱量単位表 24

2) 業種別表

① パルプ・紙・板紙工業 26

② 化学繊維工業 26

③ 石油製品工業 28

④ ガラス製品工業 28

⑤ 化学工業 30

⑥ 窯業・土石製品工業 30

⑦ 鉄鋼業 32

⑧ 非鉄金属地金工業 34

⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

1) 直接投入エネルギー表 38

2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

経済産業局別業種別エネルギー消費

1) 北海道経済産業局管内 52

2) 東 北 " 52

3) 関 東 " 54

4) 中 部 " 54

5) 近 畿 " 56

6) 中 国 " 56

7) 四 国 " 58

8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

1) Table of original units 20

2) Table of energy units 20

(2) Fuel input/output

1) Table for type kind of energy 24

① Table of original unit 24

② Table of energy unit 24

2) Tables for individual industry

① Pulp,paper,paper board industry 26

② Chemical fiber industry 26

③ Petroleum products industry 28

④ Glass products industry 28

⑤ Chemical industry 30

⑥ Ceramic, stone and clay product industry 30

⑦ Iron and steel industry 32

⑧ Non-ferrous metals industry 34

⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

1) Hokkaido Bureau of Economy, Trade and Industry 52

2) Tohoku Bureau of Economy, Trade and Industry 52

3) Kanto Bureau of Economy, Trade and Industry 54

4) Chubu Bureau of Economy, Trade and Industry 54

5) Kansai Bureau of Economy, Trade and Industry 56

6) Chugoku Bureau of Economy, Trade and Industry 56

7) Shikoku Bureau of Economy, Trade and Industry 58

8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号

経済産業省資源エネルギー庁

長官官房総務課戦略企画室

電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上のもの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

- ② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

- ③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

- 3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

- III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	kl
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 7～9月	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10～12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1～3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4～6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
7～9	39,200,017	36,956,558	36,023,126	18,837,579	5,857	10,106	7,471,509	4,015,721	303,325	53,637
2 年 8月	12,108,702	11,240,446	11,122,882	6,105,559	150	3,142	2,583,598	1,283,958	105,576	18,724
9	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
8	13,347,719	12,579,854	12,287,848	6,510,036	-	2,956	2,531,790	1,406,751	110,746	21,857
9	13,178,737	12,436,530	12,124,325	6,460,163	5,857	2,692	2,588,553	1,432,705	104,228	9,598
10	13,147,998	12,420,131	12,069,246	6,491,726	56,444	3,233	2,697,973	1,337,544	104,783	5,574
前年同月比(%)	9.7	9.7	10.1	9.9	20,728.0	▲ 33.9	6.7	9.9	46.3	▲ 76.5

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)										都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG		
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³		
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 7～9月	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10～12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1～3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
4～6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699	
7～9	20,500,802	7,248,191	107,838	2,701,752	19,669,487	1,218,142	13,992	160,684	390,847	1,410,743	
2 年 8月	6,222,304	2,020,933	37,592	832,588	5,486,225	333,278	3,488	49,287	113,232	395,366	
9	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105	
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233	
8	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881	460,542	
9	6,746,889	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653	464,968	
10	6,789,652	2,330,363	42,559	909,216	6,230,481	389,307	8,346	52,811	112,415	460,956	
前年同月比(%)	9.9	9.1	▲ 14.8	4.6	8.5	15.1	53.4	6.7	▲ 7.8	2.3	

注1. 原油にはNGL・コンデンサートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total	A Heavy fuel oil A	B・C重油 Heavy fuel oil B・C	炭化水素油 Hydrocarbon oil	液化石油ガス LPG	石油系炭化水素ガス Hydrocarbon gas	オイルコークス Petroleum Coke	アスファルト Asphalt	再生油 (石油由来) Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent	
kl	kl	kl	kl	t	1000m ³	t	t	kl	kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3 2020
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
1,067,032	143,198	923,834	415,300	1,370,175	3,163,629	997,670	83,187	96,803	27,916,422	Q3
333,243	45,882	287,361	136,498	392,516	1,056,884	379,250	7,288	28,099	8,212,906	Aug. 2020
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep.
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982	Aug.
352,063	50,319	301,744	145,847	465,922	1,059,922	339,902	15,807	32,591	9,182,175	Sep.
389,949	56,205	333,744	148,976	448,796	1,041,783	292,757	32,154	36,230	9,159,337	Oct.
0.5	18.5	▲ 2.0	7.2	7.7	6.3	3.1	1,581.7	3.9	8.7	R・S

回収黒液						電力		蒸気		Year, quarter and Month
Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel	Electricity	うち購入分 among those purchased	Steam	うち受入分 among those accepted	
絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3 2020
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
2,882,299	2,567,429	596,452	137,235	186,701	185,439	45,881,914	26,622,869	121,787,450	9,307,450	Q3
822,005	692,268	198,603	48,172	58,344	58,125	14,198,234	8,110,295	40,075,794	3,056,652	Aug. 2020
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep.
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765	Aug.
970,299	864,803	210,030	44,585	62,493	63,475	15,052,090	8,783,699	39,915,089	3,164,805	Sep.
1,013,090	863,057	193,838	28,648	64,750	51,386	15,001,676	8,987,723	39,290,735	3,257,250	Oct.
10.0	16.9	1.5	11.9	6.0	4.5	5.6	5.9	2.7	3.1	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,729,814	12,420,131	15,651,062	6,491,726	56,444	3,233	2,697,973	1,337,544	104,783
重複事業所分補正量 Duplication adjustment	354,378	-	328,557	11,051	-	118	-	-	1,077
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	979,136	859,460	934,921	72,810	...	7	-	-	481
化学工業 Chemical industry	6,545,030	5,292,990	6,240,167	5,052,557	56,444	18	2,679,281	1,337,544	78,787
化学繊維工業 Chemical fibers industry	175,408	41,630	148,089	32,997	...	5	-	-	151
石油製品工業 Petroleum products industry	1,123,451	997,785	1,073,791	1,039,783	...	18	18,692	-	14,172
窯業・土石製品工業 Ceramics, clay and stone products industry	825,898	563,482	789,635	162,332	...	25	-	-	1,582
ガラス製品工業 Glass products industry	43,189	41,943	33,994	4,278	...	-	-	-	5
鉄鋼業 Iron and steel industry	6,977,698	4,317,260	6,580,394	100,290	...	142	-	-	7,165
非鉄金属地金工業 Non-ferrous metals industry	3,947,339	76,057	3,550,034	20,174	...	5	-	-	1,031
機械工業 Machinery industry	89,926	229,524	43,815	17,556	...	3,131	-	-	2,486

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	647,443,788	480,659,066	605,696,118	251,229,797	1,964,251	107,982	89,842,501	45,075,233	3,824,597
重複事業所分補正量 Duplication adjustment	13,714,424	-	12,715,171	427,666	-	3,941	-	-	39,311
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	37,892,550	33,261,116	36,181,435	2,817,729	...	234	-	-	17,557
化学工業 Chemical industry	253,292,654	204,838,721	241,494,462	195,533,959	1,964,251	601	89,220,057	45,075,233	2,875,726
化学繊維工業 Chemical fibers industry	231,951,291	1,611,076	220,153,100	1,276,974	...	167	-	-	5,512
石油製品工業 Petroleum products industry	6,788,278	1,623,200	5,731,058	1,276,974	...	601	622,444	-	517,278
窯業・土石製品工業 Ceramics, clay and stone products industry	43,477,557	21,806,744	41,555,730	40,239,589	...	835	-	-	57,743
ガラス製品工業 Glass products industry	31,962,265	1,671,401	30,558,858	165,565	...	-	-	-	183
鉄鋼業 Iron and steel industry	31,962,265	167,077,959	30,558,858	3,881,229	...	4,743	-	-	261,524
非鉄金属地金工業 Non-ferrous metals industry	152,762,015	2,943,412	137,386,323	780,739	...	167	-	-	37,632
機械工業 Machinery industry	3,480,122	8,882,570	1,695,630	679,414	...	104,575	-	-	90,755

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年10月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイル コークス	アスファルト	再生油 (石油由来)	非石油系燃料 計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
5,574	389,949	56,205	333,744	148,976	448,796	1,041,783	292,757	32,154	36,230	9,159,337
433	4,850	590	4,260	-	609	-	4,097	-	-	317,507
319	51,872	6,243	45,629	4,365	1,789	-	8,012	-	2,652	862,111
316	104,978	4,343	100,635	97,746	401,349	457,877	137,083	-	1,905	1,187,610
12	21,552	2,741	18,811	36	453	-	10,624	-	-	115,093
33	134,188	19,681	114,507	13,863	18,917	583,903	29,386	32,154	-	34,009
1,101	34,355	2,525	31,830	21,044	1,797	-	80,085	-	28,717	627,302
2	3,537	236	3,301	-	38	-	-	-	404	29,715
1,912	30,283	12,871	17,412	8,111	18,613	3	31,601	-	103	6,480,104
271	11,205	5,326	5,879	3,810	534	-	63	-	2,449	23,641
2,041	2,829	2,829	-	1	5,915	-	-	-	-	117,259

単位 Unit: GJ										
211,809	16,137,068	2,186,463	13,950,606	5,959,040	22,484,968	53,130,933	9,748,808	1,286,160	1,456,446	354,466,322
16,454	201,019	22,951	178,068	-	30,511	-	136,430	-	-	12,287,505
12,122	2,150,178	242,885	1,907,292	174,600	89,629	-	266,800	-	106,610	33,363,706
12,008	4,375,486	168,943	4,206,543	3,909,840	20,107,585	23,351,727	4,564,864	-	76,581	45,960,504
456	892,925	106,625	786,300	1,440	22,695	-	353,779	-	-	4,454,084
1,254	5,551,984	765,591	4,786,393	554,520	947,742	29,779,053	978,554	1,286,160	-	1,316,141
41,838	1,428,806	98,223	1,330,584	841,760	90,030	-	2,666,831	-	1,154,423	24,276,592
76	147,162	9,180	137,982	-	1,904	-	-	-	16,241	1,149,983
72,656	1,228,525	500,686	727,838	324,440	932,735	153	1,052,313	-	4,141	250,780,009
10,296	452,943	207,201	245,742	152,400	26,753	-	2,098	-	98,450	914,891
77,557	110,080	110,080	-	40	296,407	-	-	-	-	4,537,916

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(October, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal	石炭コークス (注4) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然ガス LNG
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t
合計 Total	6,789,652	2,330,363	42,559	909,216	6,230,481	389,307	8,346	52,811	112,415
重複事業所分補正量 Duplication adjustment	425,400	7,567	-	-	-	-	-	4,257	1,799
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	405,374	385	...	-	-	-	-	7,640	9,717
化学工業 Chemical industry	1,357,359	16,202	34,908	98,763	109,502	-	-	34,104	46,944
化学繊維工業 Chemical fibers industry	107,689	-	...	-	-	-	-	-	784
石油製品工業 Petroleum products industry	18,967	-	...	-	-	-	-	5,425	10,536
窯業・土石製品工業 Ceramics, clay and stone products industry	814,232	15,169	...	24,895	3,120	19,673	872	5,416	39
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,599
鉄鋼業 Iron and steel industry	4,507,799	2,291,740	7,651	785,558	6,094,303	369,634	7,474	2,017	30,971
非鉄金属地金工業 Non-ferrous metals industry	3,632	13,999	...	-	23,556	-	-	-	2,357
機械工業 Machinery industry	-	435	...	-	-	-	-	2,466	7,267

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	186,478,931	67,580,546	1,587,451	18,457,085	22,242,817	3,242,927	69,522	2,244,468	6,149,101
重複事業所分補正量 Duplication adjustment	11,102,940	219,443	-	-	-	-	-	180,923	98,405
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	10,580,261	11,165	...	-	-	-	-	324,700	531,520
化学工業 Chemical industry	35,427,070	469,858	1,302,068	2,004,889	390,922	-	-	1,449,420	2,567,837
化学繊維工業 Chemical fibers industry	2,810,683	-	...	-	-	-	-	-	42,885
石油製品工業 Petroleum products industry	495,039	-	...	-	-	-	-	230,563	576,319
窯業・土石製品工業 Ceramics, clay and stone products industry	21,251,455	439,920	...	505,369	11,138	163,876	7,264	230,180	2,133
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	306,265
鉄鋼業 Iron and steel industry	126,922,568	66,460,460	285,382	15,946,827	21,756,662	3,079,051	62,258	85,723	1,694,114
非鉄金属地金工業 Non-ferrous metals industry	94,795	405,971	...	-	84,095	-	-	-	128,928
機械工業 Machinery industry	-	12,615	...	-	-	-	-	104,805	397,505

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年10月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
460,956	1,013,090	863,057	193,838	28,648	64,750	51,386	15,001,676	8,987,723	39,290,735	3,257,250
13,180	-	-	-	2,483	2,105	-	993,392	223,364	3,203,487	34,465
70,902	1,013,090	...	192,470	15,597	4,772	47,401	2,071,783	408,410	12,323,541	61,855
45,420	...	...	-	6,045	8,322	1,381	3,016,272	1,473,154	12,185,856	2,346,572
38,942	...	...	-	-	-	-	473,600	221,095	1,652,891	97,674
346	...	...	-	-	-	-	857,716	234,804	5,560,061	402,442
6,783	...	...	140	8,892	34,772	2,604	1,360,952	357,596	4,128,569	4,902
20,528	...	...	-	-	-	-	107,101	96,243	11,708	-
188,438	...	863,057	1,228	597	18,989	-	5,382,911	4,021,838	6,345,172	335,246
4,893	...	...	-	-	-	-	471,969	359,301	286,424	43,024
97,883	...	...	-	-	-	-	2,252,764	2,038,646	...	...

単位 Unit: GJ

18,945,283	13,778,024	6,144,966	3,314,630	951,114	1,897,175	1,382,283	54,006,034	32,355,803	105,102,718	8,713,144
541,682	-	-	-	82,436	61,677	-	3,576,211	804,110	8,569,328	92,194
2,914,072	13,778,024	...	3,291,237	517,820	139,820	1,275,087	7,458,419	1,470,276	32,965,473	165,462
1,866,762	...	...	-	200,694	243,835	37,149	10,858,579	5,303,354	32,597,165	6,277,080
1,600,516	...	...	-	-	-	-	1,704,960	795,942	4,421,484	261,278
14,221	...	...	-	-	-	-	3,087,778	845,294	14,873,163	1,076,532
278,781	...	...	2,394	295,214	1,018,820	70,048	4,899,427	1,287,346	11,043,922	13,113
843,718	...	...	-	-	-	-	385,564	346,475	31,319	-
7,744,802	...	6,144,966	20,999	19,820	556,378	-	19,378,480	14,478,617	16,973,335	896,783
201,102	...	...	-	-	-	-	1,699,088	1,293,484	766,184	115,089
4,022,991	...	...	-	-	-	-	8,109,950	7,339,126	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(October, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,112,819	3,591,816	15,651,062	2,448,979	400,051
(ネット)	"			12,069,246		
石 油 系 燃 料 (原 油 換 算)	"	4,867,354	-	6,491,726	656,321	210,493
原ガソリン	"	51,355	...	56,444	-	-
ナフサ	"	3,233	...	3,233	...	...
改質生成油	"	2,626,483	...	2,697,973	-	79
灯油	"	1,344,852	...	1,337,544	-	-
軽油	"	89,880	...	104,783	1,317	14,060
重油	"	13,423	...	5,574	3	41
計	"	256,477	...	389,949	213,202	10,650
A重油	"	36,740	...	56,205	24,883	5,505
B・C重油	"	219,737	...	333,744	188,319	5,145
炭化水素油	"	52,114	...	148,976	78,384	-
液化石油ガス	t	465,647	...	448,796	6,629	7,533
石油系炭化水素ガス	1000m ³	18,626	...	1,041,783	145,227	116,493
オイルコークス	t	344,543	...	292,757	150,706	-
再生油(石油由来)	kl	-	...	32,154	10,130	22,024
再	kl	35,971	-	36,230	2,829	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,245,465	3,591,816	9,159,337	1,792,658	189,558
石炭	t	7,486,278	...	6,789,652	1,300,779	-
タコ	"	548,041	2,558,638	2,330,363	-	-
コークス	"	30,139	69,521	42,559	-	-
高炉ガス	1000m ³	168,568	1,097,301	909,216	129,542	-
転炉ガス	"	250,879	9,338,772	6,230,481	1,980,822	2,903
電炉ガス	"	24,226	561,281	389,307	117,086	-
天然ガス	"	872	9,121	8,346	6,498	-
液化天然ガス	"	43,579	4,559	52,811	16,027	13,215
都市ガス(A)	t	113,493	...	112,415	16,671	26,081
都市ガス(B)	1000m ³	424,400	...	424,400	86,360	119,923
回収黒炭	"	460,955	...	460,956	93,565	129,854
回酸	液乾(Dry)t	1,012,928	...	1,013,090	1,013,090	-
酸	1000N ^m	708,090	204,574	863,057	-	-
廃材	液乾(Dry)t	195,438	-	193,838	193,448	-
廃ヤ	t	26,339	-	28,648	21,642	-
廃チ	"	64,051	6,596	64,750	4,772	-
R	"	55,601	-	51,386	48,772	10

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収	合 計	ボイラ用	コージェネ
合 計 (原 油 換 算)	GJ	468,766,097	139,003,297	605,696,118	94,775,495	15,481,989
(ネット)	"			467,079,841		
石 油 系 燃 料 (原 油 換 算)	"	188,366,616	-	251,229,797	25,399,617	8,146,091
原ガソリン	"	1,787,154	...	1,964,251	-	-
ナフサ	"	107,982	...	107,982	...	...
改質生成油	"	87,461,884	...	89,842,501	-	2,631
灯油	"	45,321,512	...	45,075,233	-	-
軽油	"	3,280,637	...	3,824,597	48,071	513,190
重油	"	510,071	...	211,809	114	1,558
計	"	10,614,391	...	16,137,068	8,839,747	429,206
A重油	"	1,429,275	...	2,186,463	968,013	214,145
B・C重油	"	9,185,116	...	13,950,606	7,871,734	215,061
炭化水素油	"	2,084,560	...	5,959,040	3,135,360	-
液化石油ガス	"	23,329,183	...	22,484,968	432,313	377,403
石油系炭化水素ガス	"	949,926	...	53,130,933	7,406,577	5,941,143
オイルコークス	"	11,473,282	...	9,748,808	5,018,510	-
再生油(石油由来)	"	-	...	1,286,160	405,200	880,960
再	"	1,446,034	-	1,456,446	113,726	-
非 石 油 系 燃 料 (原 油 換 算)	"	280,399,481	139,003,297	354,466,322	69,375,878	7,335,899
石炭	"	205,443,811	...	186,478,931	33,950,332	-
タコ	"	15,893,207	74,200,502	67,580,546	-	-
コークス	"	1,124,185	2,593,133	1,587,451	-	-
高炉ガス	"	3,421,930	22,275,210	18,457,085	2,629,703	-
転炉ガス	"	895,638	33,339,416	22,242,817	7,071,535	10,364
電炉ガス	"	201,803	4,675,471	3,242,927	975,326	-
天然ガス	"	7,264	75,978	69,522	54,128	-
液化天然ガス	"	1,852,108	193,758	2,244,468	681,148	561,638
都市ガス(A)	"	6,208,067	...	6,149,101	911,904	1,426,631
都市ガス(B)	"	18,945,241	...	18,945,283	3,845,517	5,336,998
回収黒炭	"	13,775,821	...	13,778,024	13,778,024	-
回酸	"	5,041,601	1,456,567	6,144,966	...	-
酸	"	3,341,990	-	3,314,630	3,307,961	-
廃材	"	874,455	-	951,114	718,514	-
廃ヤ	"	1,876,694	193,263	1,897,175	139,820	-
廃チ	"	1,495,667	-	1,382,283	1,311,967	269

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

(令和3年10月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,802,032	7,126,745	5,453,716	221,570	1,688,808	8,883,490	Total (Crude petroleum equivalent) (Net)
5,624,912	4,251,731	1,270,306	102,875	27,102	1,595,954	Oil based fuels (Crude petroleum equivalent)
56,444	56,444	-	-	2,143	26,428	Crude petroleum
3,233	...	4	3,229	4	1,716	Gasoline
2,697,894	2,695,923	1,940	31	-	555,812	Naphtha
1,337,544	1,337,544	-	-	5,721	7,379	Oil produced by conversion
89,406	75,579	10,615	3,212	83	16,567	Kerosene
5,530	25	768	4,737	30	15,314	Gas oils
166,097	49,185	107,543	9,369	2,092	243,850	Heavy Fuel oil total
25,817	-	21,581	4,236	593	54,988	Heavy Fuel oil A
140,280	49,185	85,962	5,133	1,499	188,862	Heavy Fuel oil B・C
70,592	32,441	37,500	651	349	13,139	Hydrocarbon oil
432,634	366,882	37,242	28,510	4,594	115,681	Liquefied petroleum gas
780,063	25,347	722,398	32,318	...	...	Hydrocarbon gas
142,051	58,307	83,173	571	13,433	724,638	Petroleum coke
-	-	-	-	-	-	Asphalt
33,401	-	31,562	1,839	-	8,871	Reproduction oil (Oil origin)
7,177,120	2,875,014	4,183,410	118,695	1,661,707	7,287,536	Non-oil based fuels (Crude petroleum equivalent)
5,488,873	3,778,282	1,709,994	597	709,185	8,057,121	Coal
2,330,363	42,207	2,280,440	7,716	751,502	1,928,431	Coal coke
42,559	42,559	-	-	53,673	48,363	Tar
779,674	604	744,484	34,586	341,767	...	Coke oven gas
4,246,756	-	3,870,177	376,579	3,243,799	...	Blast furnace gas
272,221	-	246,046	26,175	175,372	...	Converter furnace gas
1,848	-	1,848	-	1,647	...	Electric furnaces gas
23,569	5,808	16,675	1,086	898	13	Natural gas
69,663	14,168	52,017	3,478	9,414	25,268	Liquefied natural gas
218,117	-	190,794	27,323	...	...	Town gas(A)
237,537	-	207,673	29,864	...	...	Town gas(B)
-	-	-	-	-	2,927	Black liquor
863,057	-	783,494	79,563	33,527	1,364	Oxygen
390	-	357	33	-	43,534	Waste material
7,006	597	6,409	-	-	22,489	Used tires
59,978	19,525	38,447	2,006	4,063	30,987	Waste plastic
2,604	-	2,604	-	-	17,484	Refuse Paper & Plastic Fuel
495,438,634	275,805,043	211,058,823	8,574,769	65,356,887	343,791,066	Total (Crude petroleum equivalent) (Net)
217,684,089	164,541,985	49,160,845	3,981,260	1,048,841	61,763,423	Oil based fuels (Crude petroleum equivalent)
1,964,251	1,964,251	-	-	74,576	920,429	Crude petroleum
107,982	...	134	107,849	134	57,314	Gasoline
89,839,870	89,774,236	64,602	1,032	-	18,508,540	Naphtha
45,075,233	45,075,233	-	-	192,798	248,672	Oil produced by conversion
3,263,337	2,758,634	387,465	117,238	3,030	604,698	Kerosene
210,137	950	29,184	180,003	1,140	581,932	Gas oils
6,868,116	2,055,933	4,432,749	379,434	85,726	10,033,564	Heavy Fuel oil total
1,004,306	-	839,521	164,785	23,068	2,139,112	Heavy Fuel oil A
5,863,811	2,055,933	3,593,228	214,650	62,658	7,894,452	Heavy Fuel oil B・C
2,823,680	1,297,640	1,500,000	26,040	13,960	525,560	Hydrocarbon oil
21,675,252	18,380,788	1,865,961	1,428,503	230,159	5,795,655	Liquefied petroleum gas
39,783,213	1,292,697	36,842,298	1,648,218	...	...	Hydrocarbon gas
4,730,298	1,941,623	2,769,661	19,014	447,319	24,130,445	Petroleum coke
-	-	-	-	-	-	Asphalt
1,342,720	-	1,268,792	73,928	-	356,614	Reproduction oil (Oil origin)
277,754,545	111,263,058	161,897,978	4,593,509	64,308,046	282,027,643	Non-oil based fuels (Crude petroleum equivalent)
152,528,599	106,825,611	45,687,407	15,582	19,608,815	219,997,652	Coal
67,580,546	1,224,003	66,132,779	223,764	21,793,558	55,924,515	Coal coke
1,587,451	1,587,451	-	-	2,002,003	1,803,940	Tar
15,827,382	12,261	15,113,025	702,096	6,937,870	...	Coke oven gas
15,160,919	-	13,816,532	1,344,387	11,580,362	...	Blast furnace gas
2,267,601	-	2,049,563	218,038	1,460,849	...	Converter furnace gas
15,394	-	15,394	-	13,720	...	Electric furnaces gas
1,001,683	246,840	708,688	46,155	38,165	553	Natural gas
3,810,566	774,990	2,845,330	190,247	514,946	1,382,160	Liquefied natural gas
9,762,768	-	8,535,355	1,227,413	...	...	Town gas
-	-	-	-	-	39,807	Black liquor
6,144,966	-	5,578,477	566,489	238,712	9,712	Oxygen
6,669	-	6,105	564	-	744,431	Waste material
232,599	19,820	212,779	-	-	746,635	Used tires
1,757,355	572,083	1,126,497	58,776	119,046	907,919	Waste plastic
70,048	-	70,048	-	-	470,320	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(October, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	934,642	934,921	850,133	49,444
石 油 系 燃 料 (原 油 換 算)	〃	77,133	72,810	45,942	33
ガ ソ リ ン	〃	6	7	...	...
灯 油	〃	494	481	81	-
軽 油	〃	331	319	3	12
重 油 計	〃	55,925	51,872	33,802	21
A 重 油	〃	6,332	6,243	5,658	21
B・C 重 油	〃	49,593	45,629	28,144	-
炭 化 水 素 油	〃	4,696	4,365	3,036	-
液 化 石 油 ガ ス	t	1,770	1,789	522	-
オ イ ル コ ー ク ス	〃	7,781	8,012	5,574	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,470	2,652	1,123	-
非 石 油 系 燃 料 (原 油 換 算)	kl	857,509	862,111	804,191	49,411
石 炭	t	393,571	405,374	405,374	-
炭 コ ー ク ス	〃	-	385	-	-
天 然 ガ ス	1000m ³	7,640	7,640	1,276	5,974
液 化 天 然 ガ ス	t	9,731	9,717	4,808	3,324
都 市 ガ ス (A)	1000m ³	65,665	65,665	27,885	33,082
都 市 ガ ス (B)	〃	70,903	70,902	29,860	35,918
回 収 黒 液 材	絶乾(Dry)t	1,012,928	1,013,090	1,013,090	-
廃 タ イ ヤ	t	15,586	15,597	15,597	-
廃 プ ラ ス チ ッ ク	〃	4,772	4,772	4,772	-
R P F	〃	51,695	47,401	47,391	10

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	159,913	148,089	104,279	32,554
石 油 系 燃 料 (原 油 換 算)	〃	28,569	32,997	28,204	978
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	153	151	35	-
軽 油	〃	14	12	-	4
重 油 計	〃	21,890	21,552	17,582	969
A 重 油	〃	2,286	2,741	1,330	969
B・C 重 油	〃	19,604	18,811	16,252	-
炭 化 水 素 油	〃	36	36	36	-
液 化 石 油 ガ ス	t	444	453	78	-
オ イ ル コ ー ク ス	〃	5,023	10,624	10,624	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	131,344	115,093	76,075	31,576
石 炭	t	131,920	107,689	107,689	-
液 化 天 然 ガ ス	〃	721	784	712	-
都 市 ガ ス (A)	1000m ³	35,753	35,753	2,213	27,180
都 市 ガ ス (B)	〃	38,941	38,942	2,299	29,732
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	〃	-	-	-	-

(令和3年10月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
35,344	31,681	3,663	9,767	421,617	Total (Crude petroleum equivalent)
26,834	24,298	2,536	1,488	81,165	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	3	Gasoline
400	342	58	3	851	Kerosene
304	3	301	12	22	Gas oils
18,049	17,383	666	1,371	63,853	Heavy Fuel oil total
564	505	59	96	5,881	Heavy Fuel oil A
17,485	16,878	607	1,275	57,972	Heavy Fuel oil B・C
1,329	1,290	39	-	6,239	Hydrocarbon oil
1,267	721	546	-	320	Liquefied petroleum gas
2,438	1,895	543	-	3,544	Petroleum coke
-	-	-	-	-	Asphalt
1,529	1,288	241	-	1,828	Reproduction oil (Oil origin)
8,509	7,382	1,127	8,279	340,452	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	12,276	434,240	Coal
385	-	385	-	1,003	Coal coke
390	372	18	-	...	Natural gas
1,585	1,430	155	-	697	Liquefied natural gas
4,698	4,194	504	...	...	Town gas(A)
5,124	4,573	551	...	...	Town gas(B)
-	-	-	-	2,927	Black liquor
250	217	33	-	43,534	Waste material
-	-	-	-	15,828	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	17,282	Refuse Paper & Plastic Fuel
11,257	6,343	4,914	-	168,648	Total (Crude petroleum equivalent)
3,815	1,949	1,866	-	66,298	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
116	16	100	-	87	Kerosene
8	-	8	-	8	Gas oils
3,001	1,653	1,348	-	22,081	Heavy Fuel oil total
442	71	371	-	5,884	Heavy Fuel oil A
2,559	1,582	977	-	16,197	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
375	119	256	-	75	Liquefied petroleum gas
-	-	-	-	49,627	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,441	4,393	3,048	-	102,350	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	151,314	Coal
72	72	-	-	213	Liquefied natural gas
6,360	3,753	2,607	...	...	Town gas(A)
6,911	4,041	2,870	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(October, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	15,259	1,073,791	289,088	156,451
石 油 系 燃 料 (原 油 換 算)	"	-	1,039,783	275,478	153,266
ガ ソ リ ン	"	...	18	...	...
ナ フ サ	"	...	18,692	-	79
灯 油	"	...	14,172	61	14,060
軽 油	"	...	33	-	-
重 油 計	"	...	134,188	101,592	4,498
A 重 油	"	...	19,681	11,231	3,604
B・C 重 油	"	...	114,507	90,361	894
炭 化 水 素 油	"	...	13,863	13,863	-
液 化 石 油 ガ ス	t	...	18,917	2	5,246
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	583,903	88,361	80,279
オ イ ル コ ー ク ス	t	...	29,386	29,386	-
ア ス フ ァ ル ト	"	...	32,154	10,130	22,024
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	15,259	34,009	13,610	3,184
石 炭	t	-	18,967	18,967	-
天 然 ガ ス	1000m ³	-	5,425	137	-
液 化 天 然 ガ ス	t	10,536	10,536	218	2,253
都 市 ガ ス (A)	1000m ³	315	315	309	-
都 市 ガ ス (B)	"	346	346	339	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	33,771	33,994	382	2,550
石 油 系 燃 料 (原 油 換 算)	"	4,070	4,278	2	8
ガ ソ リ ン	"	-	-	...	...
灯 油	"	3	5	2	-
軽 油	"	3	2	-	-
重 油 計	"	3,356	3,537	-	8
A 重 油	"	263	236	-	8
B・C 重 油	"	3,093	3,301	-	-
液 化 石 油 ガ ス	t	37	38	-	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	396	404	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,701	29,715	380	2,542
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,589	5,599	24	387
都 市 ガ ス (A)	1000m ³	18,918	18,918	299	1,716
都 市 ガ ス (B)	"	20,528	20,528	326	1,879
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年10月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
628,253	66,431	532,368	29,454	Total (Crude petroleum equivalent)
611,039	59,181	523,175	28,683	Oil based fuels (Crude petroleum equivalent)
18	...	...	18	Gasoline
18,613	16,673	1,940	-	Naphtha
51	-	47	4	Kerosene
33	-	-	33	Gas oils
28,098	-	26,594	1,504	Heavy Fuel oil total
4,846	-	4,380	466	Heavy Fuel oil A
23,252	-	22,214	1,038	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
13,669	10,967	2,702	-	Liquefied petroleum gas
415,263	23,248	371,495	20,520	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,214	7,250	9,194	771	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,288	1,484	3,531	273	Natural gas
8,065	3,976	3,761	328	Liquefied natural gas
6	-	-	6	Town gas(A)
7	-	-	7	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
31,062	30,432	629	23	3,904	Total (Crude petroleum equivalent)
4,268	4,236	32	23	3,886	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
3	3	-	-	66	Kerosene
2	1	1	1	-	Gas oils
3,529	3,499	30	22	3,446	Heavy Fuel oil total
228	198	30	22	851	Heavy Fuel oil A
3,301	3,301	-	-	2,595	Heavy Fuel oil B・C
38	37	1	-	13	Liquefied petroleum gas
-	-	-	-	-	Asphalt
404	404	-	-	143	Reproduction oil (Oil origin)
26,793	26,196	597	-	18	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,188	5,188	-	-	13	Liquefied natural gas
16,903	16,387	516	...	...	Town gas(A)
18,324	17,762	562	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(October, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,621,268	559,933	6,240,167 5,688,711	661,592	96,712
石油系燃料（原油換算）	"	4,438,861	-	5,052,557	267,437	51,334
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	51,355	...	56,444	-	-
ガ ソ リ ン	"	17	...	18	...	...
ナ フ サ	"	2,626,483	...	2,679,281	-	-
改 質 生 成 油	"	1,344,852	...	1,337,544	...	...
灯 油	"	78,092	...	78,787	184	-
軽 油	"	8,218	...	316	-	-
重 油	"	104,082	...	104,978	45,029	641
A 重 油	"	4,334	...	4,343	2,381	579
B・C 重 油	"	99,748	...	100,635	42,648	62
炭 化 水 素 油	"	13,828	...	97,746	61,449	-
液 化 石 油 ガ ス	t	440,659	...	401,349	3,054	2,287
石油系炭化水素ガス（注2）	1000m ³	18,623	...	457,877	56,866	36,214
オ イ ル コ ー ク ス	t	181,850	...	137,083	86,729	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	1,905	-	1,905	1,706	-
非石油系燃料（原油換算）	kl	1,182,408	559,933	1,187,610	394,155	45,379
石 炭	t	1,435,229	-	1,357,359	515,873	-
石 炭 コ ー ク ス	"	12,249	569,904	16,202	...	-
タ ー ク ス	"	26,385	10,248	34,908	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,579	218,320	98,763	3,169	-
高 炉 ガ ス	"	109,502	-	109,502	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	30,301	4,559	34,104	13,944	5,702
液 化 天 然 ガ ス	t	54,979	...	46,944	8,342	14,538
都 市 ガ ス （ A ）	1000m ³	43,202	...	43,202	9,847	17,056
都 市 ガ ス （ B ）	"	45,418	...	45,420	10,667	17,484
廃 タ イ ヤ	t	4,552	-	6,045	6,045	-
廃 プ ラ ス チ ック	"	3,619	4,583	8,322	-	-
R P F	"	1,381	-	1,381	1,381	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	798,410	-	789,635 789,635	310,067	1,558
石油系燃料（原油換算）	"	153,268	-	162,332	16,812	807
ガ ソ リ ン	"	24	...	25	...	...
灯 油	"	1,556	...	1,582	99	-
軽 油	"	1,084	...	1,101	-	-
重 油	"	33,430	...	34,355	866	747
A 重 油	"	2,380	...	2,525	574	-
B・C 重 油	"	31,050	...	31,830	292	747
炭 化 水 素 油	"	20,684	...	21,044	-	-
液 化 石 油 ガ ス	t	1,796	...	1,797	-	-
オ イ ル コ ー ク ス	"	71,769	...	80,085	18,393	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	28,231	-	28,717	-	-
非石油系燃料（原油換算）	kl	645,142	-	627,302	293,254	751
石 炭	t	841,992	...	814,232	425,923	-
石 炭 コ ー ク ス	"	15,310	-	15,169	-	-
コ ー ク ス 炉 ガ ス	1000m ³	24,895	-	24,895	-	-
高 炉 ガ ス	"	3,120	-	3,120	-	-
転 炉 ガ ス	"	19,673	-	19,673	-	-
電 気 炉 ガ ス	"	872	-	872	-	-
天 然 ガ ス	"	5,416	-	5,416	3,129	684
液 化 天 然 ガ ス	t	39	-	39	-	-
都 市 ガ ス （ A ）	1000m ³	6,270	...	6,270	412	-
都 市 ガ ス （ B ）	"	6,782	...	6,783	412	-
廃 材	絶乾(Dry)t	140	-	140	-	-
廃 タ イ ヤ	t	8,251	-	8,892	2,483	-
廃 プ ラ ス チ ック	"	34,268	-	34,772	-	-
R P F	"	2,525	-	2,604	-	-

注1. 合計（原油換算）の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年10月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,481,863	4,775,376	657,670	48,816	527,335	2,579,021	Total (Crude petroleum equivalent) (Net)
4,733,787	4,177,300	512,225	44,262	12,638	961,899	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
56,444	56,444	-	-	2,143	26,218	NGL・condensate
18	...	...	18	-	2	Gasoline
2,679,281	2,679,250	-	31	-	555,812	Naphtha
1,337,544	1,337,544	...	...	5,721	7,379	Oil produced by conversion
78,603	75,579	2,035	989	-	6,707	Kerosene
316	25	-	291	-	13,659	Gas oils
59,308	49,185	8,229	1,894	68	58,927	Heavy Fuel oil total
1,383	-	567	816	68	6,821	Heavy Fuel oil A
57,925	49,185	7,662	1,078	-	52,106	Heavy Fuel oil B・C
36,297	24,330	11,910	57	...	...	Hydrocarbon oil
396,008	355,915	20,483	19,610	4,373	79,414	Liquefied petroleum gas
364,797	2,099	350,900	11,798	...	...	Hydrocarbon gas
50,354	50,327	-	27	-	311,169	Petroleum coke
-	-	-	-	-	-	Asphalt
199	-	199	-	-	-	Reproduction oil (Oil origin)
748,076	598,076	145,445	4,554	514,697	1,617,122	Non-oil based fuels (Crude petroleum equivalent)
841,486	787,127	54,359	-	5,708	2,028,780	Coal
16,202	12,853	3,349	-	577,807	295,240	Coal coke
34,908	34,908	-	-	-	26,849	Tar
95,594	163	94,488	943	125,138	...	Coke oven gas
109,502	-	109,502	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
14,458	4,324	9,418	716	898	...	Natural gas
24,064	10,192	13,856	16	7,951	71	Liquefied natural gas
16,299	...	13,513	2,786	...	...	Town gas(A)
17,269	...	14,208	3,061	...	...	Town gas(B)
-	-	-	-	-	1,652	Used tires
8,322	6,217	2,105	-	-	317	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
478,010	7,621	461,548	8,841	5,570	932,509	Total (Crude petroleum equivalent) (Net)
144,713	3,687	135,484	5,542	3,797	186,323	Oil based fuels (Crude petroleum equivalent)
25	...	...	25	-	-	Gasoline
1,483	-	1,420	63	-	373	Kerosene
1,101	-	277	824	6	59	Gas oils
32,742	-	29,941	2,801	-	41,812	Heavy Fuel oil total
1,951	-	1,454	497	-	5,329	Heavy Fuel oil A
30,791	-	28,487	2,304	-	36,483	Heavy Fuel oil B・C
21,044	-	21,044	-	349	2,353	Hydrocarbon oil
1,797	-	1,720	77	-	170	Liquefied petroleum gas
61,692	4,285	57,406	1	3,987	154,964	Petroleum coke
-	-	-	-	-	-	Asphalt
28,717	-	27,214	1,503	-	4,965	Reproduction oil (Oil origin)
333,297	3,934	326,064	3,298	1,773	746,186	Non-oil based fuels (Crude petroleum equivalent)
388,309	1,003	386,709	597	2,617	1,074,308	Coal
15,169	4,347	10,822	-	11	15,397	Coal coke
24,895	-	24,895	-	-	...	Coke oven gas
3,120	-	3,120	-	-	...	Blast furnace gas
19,673	-	19,673	-	-	...	Converter furnace gas
872	-	872	-	-	...	Electric furnaces gas
1,603	-	1,603	-	-	...	Natural gas
39	-	7	32	-	-	Liquefied natural gas
5,858	...	3,337	2,521	...	...	Town gas(A)
6,371	...	3,687	2,684	...	...	Town gas(B)
140	-	140	-	-	-	Waste material
6,409	-	6,409	-	-	5,553	Used tires
34,772	-	34,772	-	-	6,882	Waste plastic
2,604	-	2,604	-	-	202	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(October, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,698,843	3,031,884	6,580,394	468,585	11,892
（ネット）	〃	-	-	3,550,034	-	-
石油系燃料（原油換算）	〃	138,169	-	100,290	18,748	3,864
ガソリン	〃	130	…	142	…	…
灯油	〃	7,183	…	7,165	167	-
軽油	〃	1,921	…	1,912	-	-
重油計	〃	28,028	…	30,283	12,954	3,589
A重油	〃	13,701	…	12,871	2,172	166
B・C重油	〃	14,327	…	17,412	10,782	3,423
炭化水素油	〃	9,338	…	8,111	-	-
液化石油ガス	t	15,101	…	18,613	3,678	-
石油系炭化水素ガス	1000m ³	3	…	3	-	-
オイルコークス	t	82,318	…	31,601	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	103	-	103	-	-
非石油系燃料（原油換算）	kl	4,560,674	3,031,884	6,480,104	449,838	8,028
コークス製造用炭（原料炭）	t	3,589,984	…	3,310,362	-	-
石炭	〃	1,511,977	…	1,197,437	197,542	-
石炭コークス	〃	514,276	1,988,734	2,291,740	…	-
ターナル	〃	3,754	59,273	7,651	-	-
コークス炉ガス	1000m ³	138,094	878,981	785,558	126,373	-
高炉ガス	〃	138,257	9,338,772	6,094,303	1,972,539	2,903
転炉ガス	〃	4,553	561,281	369,634	117,086	-
電気炉ガス	〃	-	9,121	7,474	6,498	-
天然ガス	〃	2,013	-	2,017	221	-
液化天然ガス	t	24,078	…	30,971	1,983	2,254
都市ガス（A）	1000m ³	172,410	…	172,410	32,848	3,962
都市ガス（B）	〃	188,439	…	188,438	35,942	4,307
酸素	1000Nm ³	708,090	204,574	863,057	…	-
廃材	絶乾(Dry)t	1,228	-	1,228	1,228	-
廃タイヤ	t	33	-	597	-	-
廃プラスチック	〃	23,377	2,013	18,989	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年10月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,099,916	2,284,205	3,713,706	102,005	1,146,112	5,232,775	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
77,678	15,088	50,699	11,891	9,155	279,050	Oil based fuels (Crude petroleum equivalent)
142	...	4	138	4	25	Gasoline
6,998	...	5,778	1,220	80	3,392	Kerosene
1,912	...	22	1,890	11	133	Gas oils
13,740	-	13,152	588	631	45,801	Heavy Fuel oil total
10,533	...	10,061	472	407	20,316	Heavy Fuel oil A
3,207	-	3,091	116	224	25,485	Heavy Fuel oil B・C
8,111	8,111	-	-	-	3,765	Hydrocarbon oil
14,935	-	8,629	6,306	221	34,187	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
31,601	7,792	23,809	-	9,446	207,885	Petroleum coke
-	-	-	-	-	-	Asphalt
103	-	103	-	-	696	Reproduction oil (Oil origin)
6,022,238	2,269,117	3,663,007	90,114	1,136,957	4,953,725	Non-oil based fuels (Crude petroleum equivalent)
3,310,362	2,933,018	377,344	-	392,531	3,466,712	Coal for making coke (material coal)
999,895	57,586	942,309	-	296,053	1,604,391	Coal
2,291,740	29,087	2,256,735	5,918	173,684	1,614,571	Coal coke
7,651	7,651	-	-	53,673	21,514	Tar
659,185	441	625,101	33,643	216,629	...	Coke oven gas
4,118,861	-	3,742,282	376,579	3,243,799	...	Blast furnace gas
252,548	-	226,373	26,175	175,372	...	Converter furnace gas
976	-	976	-	1,647	...	Electric furnaces gas
1,796	-	1,741	55	-	13	Natural gas
26,734	-	24,240	2,494	1,463	23,683	Liquefied natural gas
135,600	...	128,787	6,813	...	...	Town gas(A)
148,189	...	140,734	7,455	...	...	Town gas(B)
863,057	-	783,494	79,563	33,527	1,364	Oxygen
-	-	-	-	-	-	Waste material
597	597	-	-	-	287	Used tires
18,989	13,308	3,675	2,006	4,063	24,105	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(October, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	39,946	43,815	1,940	22
石 油 系 燃 料 (原 油 換 算)	"	20,953	20,174	818	22
ガソリン	"	5	5	...	...
灯油	"	1,001	1,031	56	-
軽油	"	273	271	-	-
重油計	"	11,803	11,205	750	20
A重油	"	5,225	5,326	599	1
B・C重油	"	6,578	5,879	151	19
炭化水素油	"	3,531	3,810	-	-
液化石油ガス	t	525	534	-	-
オイルコークス	"	85	63	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	2,866	2,449	-	-
非石油系燃料 (原油換算)	kl	18,992	23,641	1,122	-
石炭	t	762	3,632	-	-
石炭	"	13,262	13,999	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	23,556	8,283	-
転炉ガス	"	-	-	-	-
天然ガス	"	-	-	-	-
天燃气	t	2,366	2,357	156	-
液都市ガ	1000m³	4,606	4,606	117	-
都市ガ	"	4,893	4,893	129	-
廃プラ	t	-	-	-	-
廃P	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	134,827	134,815	19,598	54,580
石 油 系 燃 料 (原 油 換 算)	"	17,581	17,556	3,244	194
ガソリン	"	3,147	3,131	...	...
灯油	"	2,439	2,486	659	-
軽油	"	1,999	2,041	-	25
重油計	"	2,914	2,829	940	169
A重油	"	2,914	2,829	940	169
B・C重油	"	-	-	-	-
炭化水素油	"	1	1	-	-
液化石油ガス	t	5,924	5,915	1,295	-
石油系炭化水素ガス	1000m³	-	-	-	-
オイルコークス	t	-	-	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	-	-	-	-
非石油系燃料 (原油換算)	kl	117,246	117,259	16,355	54,386
石炭	t	-	-	-	-
石炭	"	444	435	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	-	-	-
転炉ガス	"	-	-	-	-
天然ガス	"	2,466	2,466	419	1,539
天燃气	t	7,253	7,267	580	3,715
液都市ガ	1000m³	89,462	89,462	12,981	40,808
都市ガ	"	97,883	97,883	14,194	44,674
廃プラ	t	-	-	-	-
廃P	"	-	-	-	-

(令和3年10月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
41,854	38,758	3,095	19,602	Total
19,335	17,543	1,792	8,670	(Crude petroleum equivalent)
5	...	5	2	Oil based fuels
975	717	258	430	(Crude petroleum equivalent)
271	3	268	22	Gasoline
10,435	9,952	483	5,722	Kerosene
4,726	4,243	483	2,099	Gas oils
5,709	5,709	-	3,623	Heavy Fuel oil total
3,810	3,256	554	782	Heavy Fuel oil A
534	438	96	65	Heavy Fuel oil B・C
63	63	-	45	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
2,449	2,354	95	1,239	Petroleum coke
				Asphalt
22,519	21,216	1,303	10,932	Reproduction oil (Oil origin)
3,632	3,632	-	5,672	Non-oil based fuels
13,999	12,586	1,413	9,270	(Crude petroleum equivalent)
-	-	-	...	Coal
15,273	15,273	-	...	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
2,201	2,028	173	113	Electric furnaces gas
4,489	4,489	-	...	Natural gas
4,764	4,764	-	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
60,636	37,095	23,541	21,176	Total
14,118	5,725	8,392	20,445	(Crude petroleum equivalent)
3,131	...	3,131	1,703	Oil based fuels
1,827	1,271	556	4,977	(Crude petroleum equivalent)
2,016	462	1,554	1,439	Gasoline
1,720	555	1,165	10,929	Kerosene
1,720	555	1,165	10,792	Gas oils
-	-	-	137	Heavy Fuel oil total
1	-	1	-	Heavy Fuel oil A
4,620	2,715	1,905	1,445	Heavy Fuel oil B・C
-	-	-	...	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
46,519	31,369	15,149	732	Reproduction oil (Oil origin)
-	-	-	-	Non-oil based fuels
435	435	-	75	(Crude petroleum equivalent)
-	-	-	...	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
508	484	24	...	Blast furnace gas
2,972	2,543	429	478	Converter furnace gas
35,673	23,186	12,487	...	Natural gas
39,014	25,346	13,669	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(October, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	16,998,948	8,987,723	8,011,225	5,777,040	1,351,952
事業所重複分補正量	1,114,744	223,364	891,380	840,626	19,545
パルプ・紙・板紙工業	2,339,851	408,410	1,931,441	1,748,129	157,063
化学工業	3,514,960	1,473,154	2,041,806	1,595,415	287,217
化学繊維工業	538,258	221,095	317,163	217,389	99,595
石油製品工業	1,305,361	234,804	1,070,557	492,400	553,079
窯業・土石製品工業	1,551,341	357,596	1,193,745	1,084,948	4,984
ガラス製品工業	107,141	96,243	10,898	-	8,285
鉄鋼業(注2)	6,009,583	4,021,838	1,987,745	1,477,072	47,390
非鉄金属地金工業	491,868	359,301	132,567	2,307	87
機械工業	2,255,329	2,038,646	216,683	6	213,797

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	41,424,628	3,257,250	38,167,378	31,037,436	2,051,149
事業所重複分補正量	3,283,986	34,465	3,249,521	3,201,461	20,527
パルプ・紙・板紙工業	12,413,220	61,855	12,351,365	11,972,798	326,351
化学工業	13,625,788	2,346,572	11,279,216	8,642,958	581,220
化学繊維工業	1,675,700	97,674	1,578,026	1,387,207	182,471
石油製品工業	5,875,533	402,442	5,473,091	3,919,953	941,842
窯業・土石製品工業	4,216,599	4,902	4,211,697	4,080,274	5,541
ガラス製品工業	11,708	-	11,708	4,788	6,920
鉄鋼業	6,592,667	335,246	6,257,421	4,206,933	27,276
非鉄金属地金工業	297,399	43,024	254,375	23,986	55

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年10月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費 Consumptions	販売電力(売電) Shipment	Industry
Generation by own power station				
水 力 Hydraulic	そ の 他 Other			
188,534	693,699	15,001,676	1,997,272	Total
28,597	2,612	993,392	121,352	Duplication adjustment
20,938	5,311	2,071,783	268,068	Pulp,Paper,Paperboard industry
60,488	98,686	3,016,272	498,688	Chemical products industry
-	179	473,600	64,658	Chemical fibers products industry
...	25,078	857,716	447,645	Petroleum products industry
28,597	75,216	1,360,952	190,389	Ceramics,clay and stone products industry
2,605	8	107,101	40	Glass products industry
81	463,202	5,382,911	626,672	Iron and steel products industry
	(炉頂圧) 240,682			
104,422	25,751	471,969	19,899	Non-ferrous metals products industry
...	2,880	2,252,764	2,565	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam その他 Other	消 費 Consumptions				払 出 Shipment	Industry
	計 Total	生産工 程用 for Production	自家発 電用 for Private Power generation	その他 用 Other		
5,078,793	39,290,735	18,598,966	18,196,533	2,495,236	2,133,893	Total
27,533	3,203,487	872,909	2,329,827	751	80,499	Duplication adjustment
52,216	12,323,541	5,442,768	6,592,514	288,259	89,679	Pulp,Paper,Paperboard industry
2,055,038	12,185,856	7,366,936	4,312,991	505,929	1,439,932	Chemical products industry
8,348	1,652,891	868,388	750,694	33,809	22,809	Chemical fibers products industry
611,296	5,560,061	3,280,678	2,027,201	252,182	315,472	Petroleum products industry
125,882	4,128,569	702,017	3,393,393	33,159	88,030	Ceramics,clay and stone products industry
-	11,708	10,435	-	1,273	-	Glass products industry
2,023,212	6,345,172	1,676,307	3,417,845	1,251,020	247,495	Iron and steel products industry
230,334	286,424	124,346	31,722	130,356	10,975	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(October, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	604,280	593,619	199,445	254,413	139,761	2,204	8,457	115,337
石 油 系 燃 料 (原 油 換 算)	〃	26,834	26,466	23,301	2,958	207	48	320	3,815
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	400	347	13	332	2	38	15	116
軽 油	〃	304	275	161	62	52	6	23	8
重 油 計	〃	18,049	17,773	17,161	517	95	2	274	3,001
A 重 油	〃	564	288	5	191	92	2	274	442
B・C 重 油	〃	17,485	17,485	17,156	326	3	-	-	2,559
炭 化 水 素 油	〃	1,329	1,329	1,329	-	-	-	-	-
液 化 石 油 ガ ス	t	1,267	1,259	8	1,234	17	3	5	375
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,438	2,438	2,151	287	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,529	1,529	1,308	186	35	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	8,509	8,354	1,583	5,893	878	64	90	7,441
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	385	385	385	-	-	-	-	-
天 然 ガ ス	1000m ³	390	390	-	390	-	-	-	-
液 化 天 然 ガ ス	t	1,585	1,585	838	538	209	-	-	72
都 市 ガ ス (A)	1000m ³	4,698	4,561	-	4,066	495	55	82	6,360
都 市 ガ ス (B) (注 2)	〃	5,124	4,979	-	4,430	549	60	85	6,911
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	250	250	250	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	2,071,783	1,993,604	537,192	952,646	503,766	12,268	65,911	473,600
蒸 気	t	5,442,768	5,401,300	1,802,468	2,270,535	1,328,297	13,759	27,709	868,388

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	879,067	859,461	289,346	376,398	193,717	2,780	16,827	158,889
石 油 系 燃 料 (原 油 換 算)	〃	68,877	67,133	37,110	21,571	8,452	130	1,613	30,402
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	462	408	27	350	31	39	15	151
軽 油	〃	317	278	161	62	55	6	33	12
重 油 計	〃	48,962	47,711	26,359	13,634	7,718	26	1,226	19,284
A 重 油	〃	5,735	4,950	129	2,767	2,054	14	771	2,120
B・C 重 油	〃	43,227	42,761	26,230	10,867	5,664	11	455	17,164
炭 化 水 素 油	〃	4,226	4,020	2,458	1,562	-	-	206	35
液 化 石 油 ガ ス	t	1,789	1,737	8	1,712	17	47	5	437
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	7,314	7,314	4,685	2,629	-	-	-	10,426
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,590	2,515	1,812	544	159	-	75	-
非 石 油 系 燃 料 (原 油 換 算)	kl	766,184	750,385	246,429	331,008	172,948	1,637	14,162	101,168
石 炭	t	345,488	344,774	108,150	149,133	87,491	464	251	96,676
石 炭 コ ー ク ス	〃	385	385	385	-	-	-	-	-
天 然 ガ ス	1000m ³	7,500	7,501	1,928	5,058	515	-	-	-
液 化 天 然 ガ ス	t	8,369	8,163	838	1,157	6,168	206	-	704
都 市 ガ ス (A)	1000m ³	61,209	55,907	306	18,280	37,321	788	4,512	30,258
都 市 ガ ス (B) (注 2)	〃	66,045	60,312	335	19,325	40,652	801	4,930	32,930
回 収 黒 液	絶乾(Dry)t	946,679	926,649	408,434	471,122	47,093	279	19,751	-
廃 材	〃	152,072	149,789	35,116	48,603	66,070	184	2,100	-
廃 タ イ ヤ	t	14,275	13,874	4,856	4,815	4,203	-	400	-
廃 プ ラ ス チ ッ ク	〃	4,587	4,585	1,517	2,882	186	-	2	-
R P F	〃	38,972	38,187	7,453	13,475	17,259	3	781	-
電 力	1000kWh	427,106	407,539	62,424	216,248	128,867	8,261	11,307	221,095
蒸 気	t	61,855	58,326	-	53,560	4,766	3,529	-	97,674

注1. 原油換算値は38.2MJ/lである。

注2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年10月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の 繊維製品 Other textiles	その他の 製品 Others	石油製品 工業 石油製品 業	石油製品 Petroleum	その他の 製品 Others	ガラス製品 工業 ガラス製品 業	ガラス製品 Grass	その他の 製品 Others	
34,850	706	79,781	934,806	929,031	5,775	41,746	40,728	1,018	Total (Crude petroleum equivalent)
1,007	13	2,795	611,039	610,975	64	4,268	4,200	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	18	14	4	-	-	-	Gasoline
-	-	-	18,613	18,613	-	-	-	-	Naphtha
63	-	53	51	47	4	3	1	2	Kerosene
2	-	6	33	13	20	2	2	-	Gas oils
866	-	2,135	28,098	28,098	-	3,529	3,463	66	Heavy Fuel oil total
31	-	411	4,846	4,846	-	228	162	66	Heavy Fuel oil A
835	-	1,724	23,252	23,252	-	3,301	3,301	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
9	10	356	13,669	13,669	-	38	38	-	Liquefied petroleum gas
-	-	-	415,263	415,235	28	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	404	404	-	Reproduction oil (Oil origin)
435	10	6,997	17,214	17,214	-	26,793	26,612	181	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,288	5,288	-	-	-	-	Natural gas
72	-	-	8,065	8,065	-	5,188	5,188	-	Liquefied natural gas
291	8	6,061	6	6	-	16,903	16,747	156	Town gas(A)
314	9	6,588	7	7	-	18,324	18,153	171	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
116,666	4,350	352,584	857,716	803,757	53,959	107,101	98,840	8,261	Electricity
326,306	4,035	538,047	3,280,678	3,270,673	10,005	10,435	10,435	-	Steam
41,630	850	116,409	1,009,173	997,785	11,388	42,961	41,943	1,018	Total (Crude petroleum equivalent)
8,860	252	21,290	925,820	916,231	9,589	4,270	4,202	68	Oil based fuels (Crude petroleum equivalent)
1	-	4	18	14	4	-	-	-	Gasoline
-	-	-	18,660	18,655	5	-	-	-	Naphtha
63	-	88	8,833	8,000	832	5	3	2	Kerosene
2	-	10	33	13	20	2	2	-	Gas oils
4,991	177	14,116	113,575	112,077	1,498	3,529	3,463	66	Heavy Fuel oil total
455	79	1,587	19,062	19,006	56	228	162	66	Heavy Fuel oil A
4,536	99	12,529	94,513	93,071	1,442	3,301	3,301	-	Heavy Fuel oil B・C
31	-	4	11,348	11,348	-	-	-	-	Hydrocarbon oil
15	10	413	17,468	17,325	143	38	38	-	Liquefied petroleum gas
-	-	-	540,627	537,219	3,409	-	-	-	Hydrocarbon gas
3,940	62	6,424	16,800	15,837	963	-	-	-	Petroleum coke
-	-	-	18,275	16,671	1,604	-	-	-	Asphalt
-	-	-	-	-	-	404	404	-	Reproduction oil (Oil origin)
18,983	103	82,083	33,693	33,589	105	29,500	29,318	181	Non-oil based fuels (Crude petroleum equivalent)
20,877	-	75,799	18,927	18,927	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,425	5,425	-	-	-	-	Natural gas
569	-	136	10,333	10,333	-	5,467	5,467	-	Liquefied natural gas
3,539	91	26,628	315	225	90	18,893	18,737	156	Town gas(A)
3,859	97	28,974	345	246	99	20,500	20,330	171	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
84,971	3,645	132,479	234,804	222,180	12,624	98,808	90,547	8,261	Electricity
85,111	2,244	10,319	402,442	394,916	7,526	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(October, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry			
			化学工業製品	石油化学製品	Petrochemical products	
				原料用 as Materials	動力・燃料用等 For driving power, fuels.	
合 計 (原 油 換 算)	kl	6,271,659	5,304,599	5,125,957	4,129,318	996,638
石 油 系 燃 料 (原 油 換 算)	"	4,733,787	4,673,674	4,633,406	4,126,298	507,109
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	56,444	56,444	56,444	56,444	-
ガソリン	"	18	2	2	...	2
ナフサ	"	2,679,281	2,672,367	2,672,367	2,672,367	-
改質生成油	"	1,337,544	1,337,544	1,337,544	1,337,544	...
灯油	"	78,603	75,236	75,236	75,099	137
軽油	"	316	1	1	-	1
重油	"	59,308	50,395	50,395	49,185	1,210
A重油	"	1,383	241	241	-	241
B・C重油	"	57,925	50,154	50,154	49,185	969
炭化水素油	"	36,297	32,334	32,334	23,265	9,069
液化石油ガス	t	396,008	376,505	376,468	356,056	20,412
石油系炭化水素ガス	1000m ³	364,797	361,314	358,329	1,766	356,563
オイルコークス	t	50,354	42,239	69	69	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	199	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	748,076	51,529	28,919	3,021	25,898
石炭	t	841,486	45	-	-	-
石炭コークス	"	16,202	2,727	-	...	-
タール	"	34,908	-	-	-	-
コークス炉ガス	1000m ³	95,594	1,146	152	-	152
高転炉ガス	"	109,502	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	14,458	7,753	7,753	-	7,753
液化天然ガス	t	24,064	20,605	10,601	2,137	8,464
都市ガス(A)	1000m ³	16,299	6,811	4,650	...	4,650
都市ガス(B)	"	17,269	7,294	5,029	...	5,029
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	8,322	4,583	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	3,016,272	1,984,958	1,055,435	...	1,055,435
電 蒸	t	7,366,936	5,710,951	5,287,096	...	5,287,096

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,369,605	5,292,990	5,058,647	4,129,318	929,329
石 油 系 燃 料 (原 油 換 算)	"	4,937,491	4,835,584	4,781,845	4,126,298	655,547
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	56,444	56,444	56,444	56,444	-
ガソリン	"	18	2	2	-	2
ナフサ	"	2,679,281	2,672,367	2,672,367	2,672,367	-
改質生成油	"	1,337,544	1,337,544	1,337,544	1,337,544	-
灯油	"	78,764	75,330	75,314	75,099	215
軽油	"	316	1	1	-	1
重油	"	89,626	72,638	70,808	49,185	21,623
A重油	"	3,575	1,608	1,192	-	1,192
B・C重油	"	86,051	71,029	69,616	49,185	20,431
炭化水素ガス	"	74,435	69,159	69,109	23,265	45,844
液化石油ガス	t	398,741	379,075	379,001	356,056	22,945
石油系炭化水素ガス	1000m ³	435,346	417,234	411,711	1,766	409,945
オイルコークス	t	89,018	66,696	15,152	69	15,083
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	1,905	1,706	1,706	-	1,706
非 石 油 系 燃 料 (原 油 換 算)	kl	1,128,052	231,331	98,702	3,021	95,681
石炭	t	1,285,142	195,668	49,326	-	49,326
石炭コークス	"	16,202	2,727	-	-	-
タール	"	34,908	-	-	-	-
コークス炉ガス	1000m ³	98,735	2,118	389	-	389
高転炉ガス	"	109,502	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	33,793	12,597	8,075	-	8,075
液化天然ガス	t	41,619	34,633	22,265	2,137	20,128
都市ガス(A)	1000m ³	41,441	23,483	19,480	-	19,480
都市ガス(B)	"	43,525	24,334	20,100	-	20,100
廃プラスチック	t	4,929	3,679	3,015	-	3,015
廃プラスチック	"	8,322	4,583	-	-	-
RPF	"	1,381	1,381	1,381	-	1,381
電 力	1000kWh	1,525,031	1,042,681	580,231	-	580,231
電 蒸	t	2,346,572	1,867,558	1,795,754	-	1,795,754

(令和3年10月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
82,044	51,171	30,873	96,599	967,060	Total	(Crude petroleum equivalent)
40,267	36,286	3,982	-	60,113	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	...	-	-	-	16	Gasoline
-	-	-	-	-	6,914	Naphtha
-	...	...	...	...	-	Oil produced by conversion
-	-	-	-	-	3,367	Kerosene
-	-	-	-	-	315	Gas oils
-	-	-	-	-	8,913	Heavy Fuel oil total
-	-	-	-	-	1,142	Heavy Fuel oil A
-	-	-	-	-	7,771	Heavy Fuel oil B・C
-	-	-	-	-	3,963	Hydrocarbon oil
37	-	37	-	-	19,503	Liquefied petroleum gas
2,985	-	2,985	-	-	3,483	Hydrocarbon gas
42,170	42,170	-	-	-	8,115	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	199	Reproduction oil (Oil origin)
20,555	14,885	5,670	2,055	696,547	Non-oil based fuels	(Crude petroleum equivalent)
45	45	-	-	-	841,441	Coal
-	...	-	2,727	-	13,475	Coal coke
-	-	-	-	-	34,908	Tar
994	-	994	-	-	94,448	Coke oven gas
-	-	-	-	-	109,502	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
-	-	-	-	-	6,705	Natural gas
10,004	8,055	1,949	-	-	3,459	Liquefied natural gas
2,151	...	2,151	10	-	9,488	Town gas(A)
2,254	...	2,254	11	-	9,975	Town gas(B)
-	-	-	-	-	-	Used tires
4,583	4,583	-	-	-	3,739	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
78,948	...	78,948	850,575	1,031,314	Electricity	
200,768	...	200,768	223,087	1,655,985	Steam	

85,166	51,171	33,995	149,177	1,076,615	Total	(Crude petroleum equivalent)
46,862	36,286	10,576	6,877	101,907	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Natural gas liquids
-	-	-	-	-	16	Gasoline
-	-	-	-	-	6,914	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	16	-	3,434	Kerosene
-	-	-	-	-	315	Gas oils
1,084	-	1,084	745	-	16,989	Heavy Fuel oil total
0	-	0	416	-	1,967	Heavy Fuel oil A
1,084	-	1,084	329	-	15,022	Heavy Fuel oil B・C
21	-	21	29	-	5,276	Hydrocarbon oil
37	-	37	38	-	19,666	Liquefied petroleum gas
5,522	-	5,522	1	-	18,111	Hydrocarbon gas
44,562	42,170	2,392	6,982	-	22,322	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	199	Reproduction oil (Oil origin)
31,732	14,885	16,846	100,898	896,721	Non-oil based fuels	(Crude petroleum equivalent)
9,808	45	9,763	136,534	-	1,089,473	Coal
-	-	-	2,727	-	13,475	Coal coke
-	-	-	-	-	34,908	Tar
1,729	-	1,729	-	-	96,617	Coke oven gas
-	-	-	-	-	109,502	Blast furnace gas
-	-	-	-	-	-	Converter furnace gas
3,008	-	3,008	1,514	-	21,195	Natural gas
10,578	8,055	2,523	1,790	-	6,986	Liquefied natural gas
2,233	-	2,233	1,770	-	17,959	Town gas(A)
2,340	-	2,340	1,894	-	19,191	Town gas(B)
-	-	-	663	-	1,250	Used tires
4,583	4,583	-	-	-	3,739	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
46,515	-	46,515	415,857	482,428	Electricity	
32,484	-	32,484	39,320	479,014	Steam	

(October, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計（原油換算）	kl	653,135	519,992	427,739	370,405	57,334
石油系燃料（原油換算）	〃	144,713	133,271	90,882	88,514	2,368
ガソリン	〃	25	17	10	...	10
灯油	〃	1,483	671	241	220	21
軽油	〃	1,101	610	510	224	286
重油計	〃	32,742	30,758	3,168	1,468	1,700
A重油	〃	1,951	1,586	844	588	256
B・C重油	〃	30,791	29,172	2,324	880	1,444
炭化水素油	〃	21,044	21,044	20,420	20,252	168
液化石油ガス	t	1,797	338	-	-	-
オイルコークス	〃	61,692	57,379	50,597	50,597	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	28,717	26,338	21,318	21,252	66
非石油系燃料（原油換算）	kl	333,297	325,904	284,219	281,891	2,328
石炭	t	388,309	386,079	372,202	371,606	596
石炭コークス	〃	15,169	10,200	370	370	-
コークス炉ガス	1000m ³	24,895	24,895	147	-	147
高炉ガス	〃	3,120	3,120	100	-	100
転炉ガス	〃	19,673	19,673	2,819	-	2,819
電気炉ガス	〃	872	872	-	-	-
天然ガス	〃	1,603	1,603	-	-	-
液化天然ガス	t	39	39	-	-	-
都市ガス（A）	1000m ³	5,858	5,054	1,637	529	1,108
都市ガス（B）	〃	6,371	5,505	1,740	579	1,161
廃材	絶乾(Dry)t	140	140	140	140	-
廃タイヤ	t	6,409	6,409	6,409	6,409	-
廃プラスチック	〃	34,772	33,127	32,383	32,383	-
RPF	〃	2,604	2,604	437	437	-
電	力 1000kWh	1,360,952	614,645	542,514	...	542,514
蒸	気 t	702,017	52,658	31,403	...	31,403

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計（原油換算）	kl	777,632	563,481	471,706	370,405	101,301
石油系燃料（原油換算）	〃	161,653	149,775	106,735	88,514	18,221
ガソリン	〃	25	17	10	-	10
灯油	〃	1,582	770	241	220	21
軽油	〃	1,101	610	510	224	286
重油計	〃	33,772	31,489	3,357	1,468	1,889
A重油	〃	2,490	2,115	959	588	371
B・C重油	〃	31,281	29,373	2,398	880	1,518
炭化水素油	〃	21,044	21,044	20,420	20,252	168
液化石油ガス	t	1,797	338	-	-	-
オイルコークス	〃	80,025	75,579	68,793	50,597	18,196
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	28,717	26,338	21,318	21,252	66
非石油系燃料（原油換算）	kl	579,715	387,841	345,853	281,892	63,961
石炭	t	744,361	472,741	458,624	371,606	87,018
石炭コークス	〃	15,169	10,200	370	370	-
コークス炉ガス	1000m ³	24,895	24,895	147	-	147
高炉ガス	〃	3,120	3,120	100	-	100
転炉ガス	〃	19,673	19,673	2,819	-	2,819
電気炉ガス	〃	872	872	-	-	-
天然ガス	〃	5,416	4,542	2,899	-	2,899
液化天然ガス	t	39	39	-	-	-
都市ガス（A）	1000m ³	6,153	5,144	1,637	529	1,108
都市ガス（B）	〃	6,659	5,593	1,740	579	1,161
廃材	絶乾(Dry)t	140	140	140	140	-
廃タイヤ	t	8,503	6,606	6,601	6,409	192
廃プラスチック	〃	34,772	33,127	32,383	32,383	-
RPF	〃	2,604	2,604	437	437	-
電	力 1000kWh	386,193	276,089	205,120	-	205,120
蒸	気 t	4,902	2,649	537	-	537

(令和3年10月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		その他用 for Others			
	熔解窯用 For dissolving furnaces					
26,412	22,636	3,775	65,841	133,143	Total (Crude petroleum equivalent)	
18,837	18,699	137	23,552	11,442	Oil based fuels (Crude petroleum equivalent)	
2	...	2	5	8	Gasoline	
2	-	2	428	812	Kerosene	
2	-	2	98	491	Gas oils	
17,033	17,001	32	10,557	1,984	Heavy Fuel oil total	
32	-	32	710	365	Heavy Fuel oil A	
17,001	17,001	-	9,847	1,619	Heavy Fuel oil B・C	
-	-	-	624	-	Hydrocarbon oil	
337	260	77	1	1,459	Liquefied petroleum gas	
-	-	-	6,782	4,313	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	5,020	2,379	Reproduction oil (Oil origin)	
4,338	3,937	401	37,347	7,393	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	13,877	2,230	Coal	
-	-	-	9,830	4,969	Coal coke	
-	-	-	24,748	-	Coke oven gas	
-	-	-	3,020	-	Blast furnace gas	
-	-	-	16,854	-	Converter furnace gas	
-	-	-	872	-	Electric furnace gas	
794	794	-	809	-	Natural gas	
32	-	32	7	-	Liquefied natural gas	
2,894	2,579	315	523	804	Town gas(A)	
3,221	2,886	335	544	866	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	744	1,645	Waste plastic	
-	-	-	2,167	-	Refuse Paper & Plastic Fuel	
28,583	...	28,583	43,548	746,307	Electricity	
8,363	...	8,363	12,892	649,359	Steam	
25,950	22,636	3,314	65,825	214,150	Total (Crude petroleum equivalent)	
18,900	18,699	201	24,140	11,878	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	8	Gasoline	
20	-	20	509	812	Kerosene	
2	-	2	98	491	Gas oils	
17,076	17,001	75	11,056	2,283	Heavy Fuel oil total	
32	-	32	1,124	375	Heavy Fuel oil A	
17,044	17,001	43	9,931	1,908	Heavy Fuel oil B・C	
-	-	-	624	-	Hydrocarbon oil	
337	260	77	1	1,459	Liquefied petroleum gas	
-	-	-	6,786	4,446	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	5,020	2,379	Reproduction oil (Oil origin)	
4,367	3,937	430	37,621	191,873	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	14,117	271,620	Coal	
-	-	-	9,830	4,969	Coal coke	
-	-	-	24,748	-	Coke oven gas	
-	-	-	3,020	-	Blast furnace gas	
-	-	-	16,854	-	Converter furnace gas	
-	-	-	872	-	Electric furnace gas	
794	794	-	849	874	Natural gas	
32	-	32	7	-	Liquefied natural gas	
2,920	2,579	341	587	1,010	Town gas(A)	
3,248	2,886	363	605	1,066	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	5	1,897	Used tires	
-	-	-	744	1,645	Waste plastic	
-	-	-	2,167	-	Refuse Paper & Plastic Fuel	
28,305	-	28,305	42,664	110,105	Electricity	
723	-	723	1,389	2,254	Steam	

(October, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,519,720	5,004,889	356,505	14,153	2,674,976	65,289	313,088	173,979	
石 油 系 燃 料 (原 油 換 算)	"	100,290	84,329	-	147	20,989	2,390	7,555	5,532	
ガ ソ リ ン	"	142	41	-	-	-	-	-	-	
灯 油	"	7,165	7,032	-	-	-	60	705	28	
軽 油	"	1,912	1,676	-	-	2	50	140	139	
重 油 計	"	30,283	30,201	-	136	462	1,892	1,288	12	
A 重 油	"	12,871	12,789	-	-	18	354	1,144	12	
B・C 重 油	"	17,412	17,412	-	136	444	1,538	144	-	
炭 化 水 素 油	"	8,111	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	18,613	18,346	-	-	2	150	4,181	4,138	
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	31,601	23,809	-	-	23,809	-	-	-	
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	103	103	-	-	-	70	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,480,107	4,036,345	322,383	11,856	2,601,508	44,490	151,075	116,924	
コークス製造用炭(原料炭)	t	3,310,362	377,344	-	-	377,344	-	-	-	
石 炭	"	1,197,437	1,197,437	125,620	10,748	788,306	35,944	39,277	35,380	
石 炭 コ ー ク ス	"	2,291,740	2,278,455	299,256	5,158	1,926,205	24,920	18,585	5,960	
タ ー ク ル	"	7,651	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	785,558	635,815	22,508	1,414	84,202	255	31,089	29,945	
高 炉 ガ ス	"	6,094,303	4,721,890	9,221	-	2,219,918	107	625	569	
転 炉 ガ ス	"	369,634	314,355	1,511	-	89,020	210	1,441	1,337	
電 気 炉 ガ ス	"	7,474	7,474	-	-	-	976	-	-	
天 然 ガ ス	"	2,017	2,014	-	-	-	-	246	-	
液 化 天 然 ガ ス	t	30,971	30,960	-	-	3	191	436	1	
都 市 ガ ス (A)	1000m ³	172,410	166,473	371	-	4,217	107	9,248	2,982	
都 市 ガ ス (B)	"	188,441	181,947	406	-	4,618	117	10,100	3,272	
酸 素	1000Nm ³	863,057	862,855	...	...	380,078	4,148	442,196	369,915
廢 材	絶乾(Dry)t	1,228	1,228	-	-	-	-	-	-	
廢 タ イ ヤ	t	597	597	-	-	-	-	597	597	
廢 プ ラ ス チ ッ ク	"	18,989	2,953	-	-	2,263	24	666	666	
R P F	"	-	-	-	-	-	-	-	-	
電 力	1000kWh	5,382,911	5,046,431	356,735	21,873	422,691	195,791	1,463,350	381,205	
蒸 気	t	6,345,172	6,000,720	13,571	1,675	190,381	2,847	265,207	232,367	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,840,910	4,317,260	367,357	16,260	2,697,416	69,704	332,837	188,528
石 油 系 燃 料 (原 油 換 算)	"	95,496	79,006	614	286	22,842	5,955	9,059	6,785
ガ ソ リ ン	"	142	41	-	-	-	-	-	-
灯 油	"	7,143	7,010	-	-	-	61	766	28
軽 油	"	1,912	1,676	-	-	2	50	140	139
重 油 計	"	26,313	25,901	382	136	1,810	5,104	2,219	751
A 重 油	"	11,723	11,599	3	-	58	463	1,456	133
B・C 重 油	"	14,590	14,302	379	136	1,752	4,641	763	619
炭 化 水 素 油	"	8,111	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	18,171	17,769	156	107	311	230	4,539	4,496
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	31,601	23,809	-	-	23,809	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	103	103	-	-	-	70	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,348,112	3,865,567	343,679	15,470	2,647,908	48,293	201,126	157,651
コークス製造用炭(原料炭)	t	3,310,362	377,344	-	-	377,344	-	-	-
石 炭	"	1,120,316	1,103,672	128,407	10,753	800,356	35,944	62,627	50,619
石 炭 コ ー ク ス	"	2,291,740	2,278,455	299,256	5,158	1,926,205	24,920	18,585	5,960
タ ー ク ル	"	7,651	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	754,696	593,214	31,027	2,648	99,755	1,174	44,632	42,717
高 炉 ガ ス	"	5,557,235	3,997,972	132,029	29,870	2,473,496	22,366	207,240	203,214
転 炉 ガ ス	"	342,828	279,287	8,502	501	101,018	583	13,639	12,488
電 気 炉 ガ ス	"	7,474	6,335	-	-	-	6,149	-	-
天 然 ガ ス	"	2,017	2,014	-	-	-	-	246	-
液 化 天 然 ガ ス	t	29,719	29,553	107	-	139	191	932	230
都 市 ガ ス (A)	1000m ³	166,849	159,261	2,060	86	7,615	171	13,390	4,989
都 市 ガ ス (B)	"	182,399	174,095	2,255	94	8,336	187	14,631	5,468
酸 素	1000Nm ³	863,057	862,855	...	...	380,078	4,148	442,196	369,915
廢 材	絶乾(Dry)t	560	560	-	-	-	-	-	-
廢 タ イ ヤ	t	597	597	-	-	-	-	597	597
廢 プ ラ ス チ ッ ク	"	18,989	2,953	-	-	2,263	24	666	666
R P F	"	-	-	-	-	-	-	-	-
電 力	1000kWh	4,021,891	3,780,763	244,932	4,383	276,284	164,428	1,296,254	238,071
蒸 気	t	335,246	303,632	4,037	1,397	13,982	2,321	29,949	28,151

(令和3年10月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
139,109	15,912	4,717	507,520	783,330	269,399	2,475,181	39,650	Total	
								(Crude petroleum equivalent)	
2,023	2,268	2,106	14,439	22,544	11,891	15,112	849	Oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	1	-	40	-	101	Gasoline	
677	523	876	3,284	167	1,417	1	132	Kerosene	
1	41	9	16	-	1,418	23	213	Gas oils	
1,276	1,606	490	4,806	16,648	2,873	-	82	Heavy Fuel oil total	
1,132	1,606	486	3,977	2,443	2,761	-	82	Heavy Fuel oil A	
144	-	4	829	14,205	112	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	8,111	-	Hydrocarbon oil	
43	93	601	4,963	3,544	4,812	-	267	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	7,792	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
34,151	9,281	859	338,194	487,501	69,200	2,430,039	13,722	Non-oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	-	-	-	2,931,981	1,037	Coal for making coke (material coal)	
3,897	-	-	-	197,542	-	...	-	Coal	
12,625	-	3	-	-	4,328	13,134	151	Coal coke	
-	-	-	-	-	-	7,651	-	Tar	
1,144	625	27	335,028	134,017	26,650	144,879	4,864	Coke oven gas	
56	415	-	139,175	2,210,287	142,142	1,370,995	1,418	Blast furnace gas	
104	765	-	91,845	123,205	6,358	37,522	17,757	Converter furnace gas	
-	-	-	-	6,498	-	-	-	Electric furnace gas	
246	89	-	1,237	221	221	-	3	Natural gas	
435	1,722	162	20,457	4,091	3,898	-	11	Liquefied natural gas	
6,266	5,297	487	84,123	39,299	23,324	535	5,402	Town gas(A)	
6,828	5,801	532	91,843	42,934	25,596	586	5,908	Town gas(B)	
72,281	313	263	11,068	...	24,789	...	202	Oxygen	
-	-	-	-	1,228	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,036	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,082,145	46,150	18,051	1,355,931	121,021	1,044,838	165,948	170,532	Electricity	
32,840	1,006	1,046	415,997	3,790,819	1,318,171	211,130	133,322	Steam	
144,309	16,048	4,732	546,080	-	266,827	2,471,355	52,295	Total	
								(Crude petroleum equivalent)	
2,274	2,268	2,111	18,434	-	17,438	15,379	1,111	Oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	1	-	40	-	101	Gasoline	
738	523	876	3,288	-	1,496	1	132	Kerosene	
1	41	9	16	-	1,418	23	213	Gas oils	
1,468	1,606	494	7,775	-	6,375	215	197	Heavy Fuel oil total	
1,323	1,606	490	4,326	-	3,197	1	123	Heavy Fuel oil A	
144	-	4	3,449	-	3,178	214	74	Heavy Fuel oil B・C	
-	-	-	-	-	-	8,111	-	Hydrocarbon oil	
43	93	601	5,589	-	6,142	27	375	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	7,792	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
43,475	9,490	886	432,805	-	165,911	2,443,957	38,587	Non-oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	-	-	-	2,931,981	1,037	Coal for making coke (material coal)	
12,009	-	-	42,280	-	23,307	2,318	14,326	Coal	
12,625	-	3	-	-	4,328	13,134	151	Coal coke	
-	-	-	-	-	-	7,651	-	Tar	
1,915	625	27	357,544	-	55,781	150,378	11,103	Coke oven gas	
4,025	416	-	512,752	-	619,803	1,446,727	112,536	Blast furnace gas	
1,151	765	-	117,537	-	36,743	42,881	20,660	Converter furnace gas	
-	-	-	-	-	186	-	1,139	Electric furnace gas	
246	89	-	1,426	-	253	-	3	Natural gas	
702	1,871	162	21,158	-	4,993	96	70	Liquefied natural gas	
8,400	5,297	511	95,306	-	34,825	1,563	6,025	Town gas(A)	
9,163	5,800	558	104,067	-	38,167	1,711	6,592	Town gas(B)	
72,281	313	263	11,068	...	24,789	...	202	Oxygen	
-	-	-	256	-	305	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,036	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,058,183	45,369	17,939	980,693	-	750,482	120,468	120,661	Electricity	
1,798	1,000	960	52,275	-	197,711	11,748	19,866	Steam	

(October, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process	溶錬工程 Fusing and mixing process		電解工程 Electrolytic process	
合計 (原油換算)	kl	94,352	81,837	28,034	21,316	6,719	6,650	5,983	667	
石油系燃料 (原油換算)	"	19,335	17,155	5,764	5,764	-	802	473	329	
ガソリン	"	5	5	-	-	-	-	-	-	
灯油	"	975	212	21	21	-	-	-	-	
軽油	"	271	104	4	4	-	-	-	-	
重油計	"	10,435	9,817	4,511	4,511	-	610	376	234	
A重油	"	4,726	4,108	751	751	-	610	376	234	
B・C重油	"	5,709	5,709	3,760	3,760	-	-	-	-	
炭化水素油	"	3,810	3,256	450	450	-	-	-	-	
液化石油ガス	t	534	455	355	355	-	1	-	1	
オイルコークス	"	63	63	-	-	-	63	63	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,449	2,449	-	-	-	128	39	89	
非石油系燃料 (原油換算)	kl	22,518	22,142	2,929	2,929	-	4,734	4,734	-	
石炭	t	3,632	3,632	3,500	3,500	-	122	122	-	
石炭コークス	"	13,999	13,979	433	433	-	5,601	5,601	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	15,273	15,273	-	-	-	4,069	4,069	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	-	-	-	-	-	-	-	-	
液化天然ガス	t	2,201	2,201	173	173	-	56	56	-	
都市ガス (A)	1000m ³	4,489	4,179	-	-	-	-	-	-	
都市ガス (B)	"	4,764	4,423	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	471,969	387,388	150,844	95,056	55,788	11,337	7,784	3,553	
		124,346	94,095	76,797	54,677	22,120	871	762	109	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	87,963	76,057	22,225	16,900	5,326	6,694	6,025	669
石油系燃料 (原油換算)	"	20,078	17,707	6,152	6,045	107	824	495	329
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,031	268	77	21	56	-	-	-
軽油	"	271	104	4	4	-	-	-	-
重油計	"	11,110	10,301	4,832	4,779	52	632	398	234
A重油	"	5,235	4,431	911	877	34	632	398	234
B・C重油	"	5,874	5,870	3,921	3,902	19	-	-	-
炭化水素油	"	3,810	3,256	450	450	-	-	-	-
液化石油ガス	t	534	455	355	355	-	1	-	1
オイルコークス	"	63	63	-	-	-	63	63	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,449	2,449	-	-	-	128	39	89
非石油系燃料 (原油換算)	kl	23,465	22,759	2,929	2,929	-	4,857	4,857	-
石炭	t	3,632	3,632	3,500	3,500	-	122	122	-
石炭コークス	"	13,999	13,979	433	433	-	5,601	5,601	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	22,082	19,969	-	-	-	5,108	5,108	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,329	2,289	173	173	-	76	76	-
都市ガス (A)	1000m ³	4,606	4,228	-	-	-	-	-	-
都市ガス (B)	"	4,893	4,479	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	445,544	366,800	133,372	83,101	50,271	10,741	7,188	3,553
		43,024	21,270	10,668	2,822	7,846	191	57	134

(令和3年10月)

(非鉄金属地金 Non-ferrous metals)							Kind of energy
亜鉛	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others	
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc					
21,798	15,060	6,739	11,521	11,702	2,131	12,515	Total (Crude petroleum equivalent)
882	457	425	2,083	7,279	344	2,180	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
6	6	-	134	44	7	763	Kerosene
8	8	-	18	74	-	167	Gas oils
716	418	298	1,778	2,057	145	618	Heavy Fuel oil total
440	142	298	329	1,833	145	618	Heavy Fuel oil A
276	276	-	1,449	224	-	-	Heavy Fuel oil B・C
-	-	-	-	2,806	-	554	Hydrocarbon oil
1	1	-	31	60	7	79	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
121	-	121	-	2,024	176	-	Reproduction oil (Oil origin)
7,991	2,189	5,802	2,963	3,346	178	376	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	10	-	Coal
7,939	1,968	5,971	-	-	6	20	Coal coke
-	-	-	-	-	-	-	Coke oven gas
11,204	464	10,740	-	-	-	-	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
684	446	238	267	909	112	-	Liquefied natural gas
35	35	-	2,193	1,944	7	310	Town gas(A)
39	39	-	2,435	1,941	8	340	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
136,711	132,869	3,842	69,369	11,575	7,552	84,581	Electricity
3,016	782	2,234	302	-	13,109	30,251	Steam
21,931	15,066	6,865	11,535	11,703	1,969	11,906	Total (Crude petroleum equivalent)
953	458	495	2,083	7,279	415	2,371	Oil based fuels (Crude petroleum equivalent)
1	1	-	4	-	-	-	Gasoline
6	6	-	134	44	7	763	Kerosene
8	8	-	18	74	-	167	Gas oils
787	420	367	1,778	2,057	216	808	Heavy Fuel oil total
511	144	367	329	1,833	215	804	Heavy Fuel oil A
276	276	-	1,449	224	1	4	Heavy Fuel oil B・C
-	-	-	-	2,806	-	554	Hydrocarbon oil
1	1	-	31	60	7	79	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
121	-	121	-	2,024	176	-	Reproduction oil (Oil origin)
8,434	2,249	6,184	2,964	3,347	228	706	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	10	-	Coal
7,939	1,968	5,971	-	-	6	20	Coal coke
-	-	-	-	-	-	-	Coke oven gas
14,450	490	13,961	-	-	410	2,113	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
745	446	299	267	909	120	40	Liquefied natural gas
83	83	-	2,193	1,944	8	378	Town gas(A)
93	93	-	2,436	1,942	9	414	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
134,850	132,852	1,998	69,369	11,575	6,894	78,744	Electricity
-	-	-	503	-	9,908	21,754	Steam

(October, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	270,195	196,911	3,679	5,360	24,917
石油系燃料（原油換算）	〃	14,118	8,711	580	1,154	165
ガソリン	〃	3,131	1,667	-	2	2
灯油	〃	1,827	970	21	153	43
軽油	〃	2,016	511	269	4	3
重油計	〃	1,720	1,357	3	922	23
A重油	〃	1,720	1,357	3	922	23
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	4,620	3,469	226	60	75
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	46,518	28,098	759	582	713
石炭	t	-	-	-	-	-
石炭コークス	〃	435	435	-	4	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	508	508	-	-	-
液化天然ガス	t	2,972	958	-	86	20
都市ガス（A）	1000m ³	35,673	22,265	651	393	582
都市ガス（B）	〃	39,014	24,350	715	431	644
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,252,764	1,721,090	25,161	38,956	258,417

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	310,413	229,524	3,736	5,779	29,342
石油系燃料（原油換算）	〃	15,534	10,063	580	1,162	577
ガソリン	〃	3,131	1,667	-	2	2
灯油	〃	1,848	990	21	160	56
軽油	〃	2,041	533	269	4	6
重油計	〃	2,187	1,767	4	922	24
A重油	〃	2,187	1,767	4	922	24
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	5,317	4,163	226	60	380
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	105,238	75,583	885	1,238	6,366
石炭	t	-	-	-	-	-
石炭コークス	〃	435	435	-	4	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	2,156	2,152	-	-	851
液化天然ガス	t	6,887	3,731	-	141	196
都市ガス（A）	1000m ³	79,881	58,218	758	890	4,546
都市ガス（B）	〃	87,390	63,672	833	975	4,854
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,038,646	1,546,692	24,415	36,334	240,795

(令和3年10月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
62,951	4,589	95,414	73,285	Total (Crude petroleum equivalent)
518	17	6,277	5,406	Oil based fuels (Crude petroleum equivalent)
4	-	1,659	1,464	Gasoline
-	-	753	857	Kerosene
-	-	235	1,505	Gas oils
113	-	296	363	Heavy Fuel oil total
113	-	296	363	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
310	13	2,785	1,151	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,350	115	24,580	18,420	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	431	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	507	-	Natural gas
-	-	852	2,014	Liquefied natural gas
1,151	98	19,390	13,408	Town gas(A)
1,270	108	21,182	14,664	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
656,645	47,918	693,993	531,674	Electricity
74,006	4,602	112,058	80,889	Total (Crude petroleum equivalent)
1,110	17	6,617	5,471	Oil based fuels (Crude petroleum equivalent)
4	-	1,659	1,464	Gasoline
-	-	753	858	Kerosene
-	-	254	1,508	Gas oils
416	-	401	420	Heavy Fuel oil total
416	-	401	420	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
532	13	2,952	1,154	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,760	139	49,195	29,655	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	431	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	1,300	4	Natural gas
-	-	3,394	3,156	Liquefied natural gas
15,218	119	36,688	21,662	Town gas(A)
16,722	131	40,157	23,718	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
592,717	47,790	604,640	491,954	Electricity

(October, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	26,080	-	552,048	7,379	5,228
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	7
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	47
板 ガ ラ ス Sheet Glass	...	-	-	-	29
石 灰 Lime	...	-	-	-	179
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	107
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	188
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	42

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
-	1,246	13,656	68,097	35,295	66,628	-
-	-	952	414	88,264	20,751	-
-	1,401	770	7	22,110	280,404	898
13	1,842	14,029	-	143,532	595,827	370
-	78	11,570	89	-	-	-
23	1,151	5,187	-	5,767	17,330	8,030
-	630	3,243	42	-	5,619	30
-	234	-	-	45	49	3,668
1	387	133	-	-	-	5,554
1	79	106	7	-	-	-
13	256	132	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(October, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	488,201	-	107,823	853	-
石 油 系 燃 料 (原 油 換 算)	"	50,443	-	6,173	117	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	1,076	-	-	-	-
灯 油	"	67	-	49	-	-
軽 油	"	92	-	-	-	-
A 重 油	"	2,784	-	59	-	-
B・C 重 油	"	13,688	-	4,195	-	-
炭 化 水 素 油	"	540	-	540	-	-
液 化 石 油 ガ ス	t	868	-	217	90	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	20,136	-	-	-	-
オ イ ル コ ー ク ス	t	3,996	-	811	-	-
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	118	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	417,734	-	97,257	219	-
石 炭 コ ー ク ス	t	345,667	-	76,658	-	-
コ ー ク ス 炉 ガ ス	1000m ³	76,568	-	385	-	-
高 炉 ガ ス	"	46,336	-	-	-	-
液 化 天 然 ガ ス	"	301,121	-	-	-	-
都 市 ガ ス (B)	t	2,673	-	88	155	-
回 収 黒 液	1000m ³	-	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	107,873	-	107,873	...	...
R P F	t	4,970	-	-	-	-
	"	1,842	-	1,842	-	-
電 力	1000kWh	461,536	-	226,685	5,351	-
う ち 購 入 分	"	127,585	-	26,285	5,351	-
蒸 気	t	2,748,402	-	1,397,863	4,861	-
う ち 受 入 分	"	89,824	-	-	289	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	446,257	-	138,215	121,781	160
石 油 系 燃 料 (原 油 換 算)	"	196,667	-	10,081	107,915	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	6,726	-	-	-	-
灯 油	"	104,442	-	-	104,442	-
軽 油	"	950	-	1	-	-
A 重 油	"	181	-	5	-	-
B・C 重 油	"	6,897	-	2,382	383	-
炭 化 水 素 油	"	10,936	-	6,236	-	-
液 化 石 油 ガ ス	"	1,400	-	253	-	-
石 油 系 炭 化 水 素 ガ ス	t	9,890	-	115	9,416	-
オ イ ル コ ー ク ス	1000m ³	46,039	-	-	3,333	-
ア ス フ ァ ル ト	t	4,978	-	395	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
	kl	872	-	188	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	207,853	-	123,456	10,175	-
石 炭 コ ー ク ス	t	166,451	-	78,277	13,662	-
コ ー ク ス 炉 ガ ス	"	9,590	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	"	23,556	-	-	-	-
都 市 ガ ス (B)	t	5,471	-	-	680	-
回 収 黒 液	1000m ³	800	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	150,903	-	150,903	...	...
R P F	t	4,334	-	28	-	-
	"	5,054	-	5,047	-	-
電 力	1000kWh	737,670	-	269,472	42,276	824
う ち 購 入 分	"	404,421	-	50,284	18,599	824
蒸 気	t	2,192,981	-	1,644,631	176,893	1,211
う ち 受 入 分	"	46,707	-	-	28,358	1,211

(令和3年10月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
37,253	37,010	-	302,190	-	3,072	Total (Crude petroleum equivalent)
37,253	1,134	-	5,698	-	68	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
1,076	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	2	-	16	-	-	Kerosene
1	9	-	82	-	-	Gas oils
-	533	-	2,181	-	11	Heavy Fuel oil A
9,064	429	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
20,136	-	-	517	-	44	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	3,185	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	118	-	-	-	-	Reproduction oil (Oil origin)
-	34,566	-	283,205	-	2,488	Non-oil based fuels (Crude petroleum equivalent)
-	46,378	-	222,631	-	-	Coal
-	370	-	75,813	-	-	Coal coke
-	165	-	46,171	-	-	Coke oven gas
-	-	-	301,121	-	-	Blast furnace gas
-	-	-	670	-	1,760	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	3,694	-	1,276	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
16,441	47,365	-	153,360	-	12,334	Electricity
-	14,039	-	76,358	-	5,552	among those purchased
235,555	124,190	-	985,933	-	...	Steam
-	58	-	89,477	-	...	among those accepted
62,895	32,098	1,610	54,538	27,332	7,628	Total (Crude petroleum equivalent)
62,895	4,790	224	7,213	2,682	867	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
6,726	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	3	3	255	67	621	Kerosene
-	118	1	11	44	2	Gas oils
3	97	215	2,342	1,283	192	Heavy Fuel oil A
764	-	-	3,927	9	-	Heavy Fuel oil B・C
-	402	-	-	745	-	Hydrocarbon oil
42,706	-	3	283	8	65	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	4,520	-	-	63	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	259	-	-	425	-	Reproduction oil (Oil origin)
-	24,337	290	34,727	12,930	1,939	Non-oil based fuels (Crude petroleum equivalent)
-	29,409	-	41,912	3,191	-	Coal
-	-	-	1,116	8,474	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	23,556	-	Blast furnace gas
-	-	205	3,033	1,553	-	Liquefied natural gas
-	-	-	-	56	744	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,306	-	-	-	-	Waste plastic
-	7	-	-	-	-	Refuse Paper & Plastic Fuel
39,976	38,231	11,747	158,713	121,076	55,355	Electricity
4	31,939	9,182	135,432	106,325	51,832	among those purchased
200,238	35,234	-	10,179	124,595	...	Steam
-	-	-	-	17,138	...	among those accepted

(October, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,767,087	28,229	214,737	2,762,882	12,002
石 油 系 燃 料 (原 油 換 算)	"	3,009,885	4,418	11,786	2,515,355	122
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	941	6	1	8	2
改 質 生 成 油	"	1,532,214	-	-	1,531,910	-
灯 質 生 成 油	"	436,759	-	-	436,759	-
軽 油	"	43,290	85	104	27,498	-
A 重 油	"	2,563	244	30	247	-
B ・ C 重 油	"	8,872	456	1,415	150	-
炭 化 水 素 油	"	76,083	82	9,254	12,856	2
液 化 石 油 ガ ス	t	64,337	-	-	43,666	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	270,113	16	24	252,231	91
オ イ ル コ ー ク ス	t	513,086	-	-	271,708	-
ア ス フ ァ ル ト	"	58,158	4,097	-	52,228	-
再 生 油 (石 油 由 来)	kl	22,024	-	-	-	-
		10,338	-	201	1,905	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,418,289	15,627	187,328	109,590	11,716
石 炭 コ ー ク ス	t	1,446,012	11,706	25,145	11,706	-
コ ー ク ス 炉 ガ ス	1000m ³	730,731	4,080	-	4,080	-
高 炉 ガ ス	"	243,392	-	-	2,811	-
液 化 天 然 ガ ス	t	1,990,947	-	-	-	-
都 市 ガ ス (B)	1000m ³	23,715	-	5,360	13,327	-
回 収 黒 液	絶乾(Dry)t	190,449	-	47,093	24,066	11,032
廃 プ ラ ス チ ッ ク	t	149,793	-	149,793	...	...
R P F	"	24,533	-	347	4,583	-
	"	23,990	-	21,406	-	-
電 力	1000kWh	4,086,421	83,688	485,353	1,033,838	28,905
う ち 購 入 分	"	2,473,377	48,314	151,642	670,959	1,764
蒸 気	t	11,330,013	49,731	2,317,147	4,303,554	60,147
う ち 受 入 分	"	1,411,296	14,888	21,945	1,033,652	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,686,658	5,620	118,471	498,828	13,892
石 油 系 燃 料 (原 油 換 算)	"	620,548	69	15,182	445,350	3,033
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,198	8	1	1	-
改 質 生 成 油	"	210,244	-	-	205,587	-
灯 質 生 成 油	"	141,045	-	-	141,045	-
軽 油	"	5,060	43	37	143	104
A 重 油	"	877	2	47	6	4
B ・ C 重 油	"	18,086	19	286	550	758
炭 化 水 素 油	"	35,060	-	8,143	6,504	184
液 化 石 油 ガ ス	t	24,660	-	3,572	15,140	36
石 油 系 炭 化 水 素 ガ ス	1000m ³	40,803	-	155	35,981	67
オ イ ル コ ー ク ス	t	88,148	-	-	32,162	-
ア ス フ ァ ル ト	"	53,839	-	2,262	38,694	2,146
再 生 油 (石 油 由 来)	kl	1,141	-	-	-	-
		11,666	-	172	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	894,689	4,558	95,566	34,665	4,790
石 炭 コ ー ク ス	t	507,562	-	8,647	24,553	-
コ ー ク ス 炉 ガ ス	1000m ³	225,744	-	-	-	-
高 炉 ガ ス	"	78,744	-	-	-	-
液 化 天 然 ガ ス	t	928,869	-	-	-	-
都 市 ガ ス (B)	1000m ³	20,396	-	2,105	12,510	149
回 収 黒 液	絶乾(Dry)t	84,238	4,292	1,849	399	4,312
廃 プ ラ ス チ ッ ク	t	161,686	-	161,686	...	...
R P F	"	9,337	-	4,329	-	-
	"	7,076	-	7,076	-	-
電 力	1000kWh	2,394,216	14,797	238,513	251,420	66,421
う ち 購 入 分	"	1,691,995	10,682	66,890	115,067	55,310
蒸 気	t	3,661,078	-	1,299,560	937,845	83,636
う ち 受 入 分	"	173,957	-	21,717	115,280	13,362

(令和3年10月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
485,556	114,891	13,330	2,101,422	16,669	73,826	Total (Crude petroleum equivalent)
431,122	29,203	1,688	15,140	2,978	6,910	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
13	9	-	37	5	872	Gasoline
304	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
14,142	101	-	739	45	746	Kerosene
15	766	1	429	63	1,256	Gas oils
4,302	449	13	1,254	868	877	Heavy Fuel oil A
38,781	10,668	1,510	2,602	492	-	Heavy Fuel oil B・C
13,863	2,190	-	4,089	529	-	Hydrocarbon oil
12,437	14	33	2,683	37	2,579	Liquefied petroleum gas
241,375	-	-	3	-	-	Hydrocarbon gas
-	7,452	-	2,575	-	-	Petroleum coke
22,024	-	-	-	-	-	Asphalt
-	7,394	-	-	838	-	Reproduction oil (Oil origin)
19,117	72,269	9,537	1,992,619	2,745	28,996	Non-oil based fuels (Crude petroleum equivalent)
18,967	62,282	-	1,339,618	-	-	Coal
-	8,300	-	720,170	1,968	293	Coal coke
-	10,395	-	230,186	-	-	Coke oven gas
-	-	-	1,990,947	-	-	Blast furnace gas
-	32	2,058	590	144	2,204	Liquefied natural gas
346	2,125	6,241	74,379	1,004	24,163	Town gas(B)
...	...	...	...	...	...	Black liquor
-	10,823	-	8,780	-	-	Waste plastic
-	2,584	-	-	-	-	Refuse Paper & Plastic Fuel
382,050	189,999	25,448	1,448,949	114,456	461,111	Electricity
120,724	115,115	22,641	994,216	36,997	407,633	among those purchased
2,537,691	176,216	2,277	1,978,356	4,356	...	Steam
348,486	723	-	17,039	4,339	...	among those accepted
111,917	55,423	5,069	749,091	12,233	127,353	Total (Crude petroleum equivalent)
106,154	31,143	1,319	10,919	4,209	3,308	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	4	-	1,194	Gasoline
4,657	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
1	451	2	4,205	61	99	Kerosene
13	89	-	416	41	263	Gas oils
14,534	61	8	1,259	354	295	Heavy Fuel oil A
10,699	7,222	823	252	1,233	-	Heavy Fuel oil B・C
-	4,380	-	-	1,532	-	Hydrocarbon oil
778	-	-	2,467	97	1,258	Liquefied petroleum gas
55,986	-	-	-	-	-	Hydrocarbon gas
-	8,637	-	2,100	-	-	Petroleum coke
1,141	-	-	-	-	-	Asphalt
-	10,403	404	-	687	-	Reproduction oil (Oil origin)
2,246	20,155	2,820	687,697	2,713	48,596	Non-oil based fuels (Crude petroleum equivalent)
-	16,439	-	457,923	-	-	Coal
-	690	-	224,257	797	-	Coal coke
-	3,691	-	75,053	-	-	Coke oven gas
-	-	-	928,869	-	-	Blast furnace gas
1,589	-	466	3,345	-	232	Liquefied natural gas
-	3,440	2,035	29,933	1,992	44,570	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,015	-	2,993	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
111,970	63,992	10,012	719,676	38,924	908,085	Electricity
21,938	44,276	10,012	540,928	37,181	811,075	among those purchased
689,230	73,825	515	576,467	-	...	Steam
21,348	95	-	2,155	-	...	among those accepted

(October, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,854,815	35,687	47,112	631,095	66,472
石油系燃料(原油換算)	"	491,749	123	927	349,209	2,702
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	342	2	1	8	2
改 質 生 成 油	"	180,010	-	-	179,919	-
灯 油	"	89,450	-	-	89,450	-
軽 油	"	512	-	1	162	-
A 重 油	"	697	120	16	31	8
B・C 重 油	"	3,380	1	66	1	1,868
炭 化 水 素 油	"	71,535	-	-	57,805	702
液 化 石 油 ガ ス	t	14,286	-	-	2,643	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	34,948	2	7	29,927	44
オ イ ル コ ー ク ス	t	83,115	-	-	9,410	-
ア ス フ ァ ル ト	"	4,207	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,540	-	803	-	-
非石油系燃料(原油換算)	kl	1,235,814	23,746	43,869	258,277	52,793
石 炭 コ ー ク ス	t	864,440	18,689	12,644	306,489	45,293
コ ー ク ス 炉 ガ ス	1000m ³	287,884	-	-	-	-
高 炉 ガ ス	"	135,709	-	-	18,150	-
液 化 天 然 ガ ス	t	1,041,324	-	-	109,502	-
都 市 ガ ス (B)	t	29,065	1,799	-	12,047	314
回 収 黒 液	1000m ³	137,997	8,097	20,296	14,054	20,530
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	30,025	-	30,025	...	...
R P F	t	788	-	-	-	-
	"	539	-	526	-	-
電 力	1000kWh	1,920,450	170,551	96,196	267,813	217,123
う ち 購 入 分	"	1,148,933	127,043	24,894	174,165	111,027
蒸 気	t	3,434,669	187,306	493,629	756,465	585,555
う ち 受 入 分	"	294,629	-	-	107,162	9,372

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,709,371	283,881	94,044	1,470,093	48,674
石油系燃料(原油換算)	"	1,390,657	6,179	13,116	1,102,079	14,725
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	115	102	-	1	1
改 質 生 成 油	"	541,630	-	-	535,792	-
灯 油	"	334,205	-	-	334,205	-
軽 油	"	52,111	685	6	50,465	47
A 重 油	"	518	61	14	7	-
B・C 重 油	"	9,202	114	151	650	115
炭 化 水 素 油	"	81,684	4,178	7,771	14,640	10,341
液 化 石 油 ガ ス	t	34,496	-	-	30,251	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	63,758	585	-	56,155	251
オ イ ル コ ー ク ス	t	222,936	-	-	110,563	-
ア ス フ ァ ル ト	"	84,416	-	4,001	42,170	3,568
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,656	-	1,067	-	-
非石油系燃料(原油換算)	kl	2,134,849	273,575	78,182	315,659	31,253
石 炭 コ ー ク ス	t	1,815,403	395,005	15,877	430,075	42,644
コ ー ク ス 炉 ガ ス	1000m ³	577,977	3,487	-	3,349	-
高 炉 ガ ス	"	196,726	-	-	1,345	-
液 化 天 然 ガ ス	t	1,259,637	-	-	-	-
都 市 ガ ス (B)	t	11,212	-	157	6,951	321
回 収 黒 液	1000m ³	35,978	791	1,421	4,547	1,920
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	154,016	-	154,016	...	...
R P F	t	3,381	2,105	23	2,105	-
	"	4,925	-	3,544	1,381	-
電 力	1000kWh	2,941,007	716,856	177,576	1,072,818	81,021
う ち 購 入 分	"	1,578,083	29,825	29,527	214,939	15,299
蒸 気	t	8,827,152	2,966,450	1,195,140	4,839,349	545,478
う ち 受 入 分	"	536,258	19,577	-	468,167	18,411

(令和3年10月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
114,921	67,086	22,854	900,331	4,284	36,347	Total
103,761	25,793	1,046	5,653	1,109	1,672	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	329	(Crude petroleum equivalent)
91	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
7	45	-	83	68	146	Naphtha
4	8	-	308	36	406	Oil produced by conversion
87	240	-	75	822	222	Kerosene
5,121	6,283	968	656	-	-	Gas oils
-	11,643	-	-	-	-	Heavy Fuel oil A
713	324	-	3,441	9	485	Heavy Fuel oil B・C
73,705	-	-	-	-	-	Hydrocarbon oil
-	4,207	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,540	-	32	165	-	Asphalt
9,223	38,347	17,069	823,983	2,469	13,530	Reproduction oil (Oil origin)
-	49,751	-	468,952	-	-	Non-oil based fuels
-	745	-	287,135	-	4	(Crude petroleum equivalent)
-	2,402	-	115,157	-	-	Coal
-	2,378	-	929,444	-	-	Coal coke
6,525	-	2,870	6,689	393	2,026	Coke oven gas
-	947	12,253	66,172	1,802	10,040	Blast furnace gas
...	...	...	...	...	...	Liquefied natural gas
-	764	-	24	-	-	Town gas(B)
-	13	-	-	-	-	Black liquor
78,385	75,733	56,434	1,059,791	7,593	231,933	Waste plastic
20,777	31,671	50,948	627,694	7,487	227,313	Refuse Paper & Plastic Fuel
347,308	309,637	8,916	1,119,496	969	...	Electricity
60	5	-	178,030	-	...	among those purchased
						Steam
						among those accepted

234,915	324,156	89	1,772,030	9,343	39,908	Total
223,972	11,857	-	26,664	2,329	2,093	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	101	-	111	(Crude petroleum equivalent)
5,838	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
22	810	-	1,096	157	193	Naphtha
-	35	-	335	84	104	Oil produced by conversion
486	528	-	5,305	1,289	792	Kerosene
38,595	4,394	-	9,378	743	-	Gas oils
-	222	-	4,022	-	1	Heavy Fuel oil A
2,608	300	-	4,322	-	707	Heavy Fuel oil B・C
112,373	-	-	-	-	-	Hydrocarbon oil
29,386	5,291	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	589	-	-	-	-	Petroleum coke
3,423	308,209	-	1,654,522	1,781	15,396	Asphalt
-	437,498	-	1,284,314	-	-	Reproduction oil (Oil origin)
-	4,170	-	571,485	2,322	138	Non-oil based fuels
-	3,969	-	191,412	-	-	(Crude petroleum equivalent)
-	742	-	1,258,895	-	-	Coal
2,422	7	-	1,298	-	56	Coal coke
-	271	-	14,828	39	13,742	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	2,105	-	1,253	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
175,161	722,944	960	1,080,634	57,987	288,762	Black liquor
56,653	42,398	960	953,394	53,731	241,007	Waste plastic
1,169,649	2,818,762	-	1,183,690	41,534	...	Refuse Paper & Plastic Fuel
32,548	2,116	-	31,205	3,388	...	Electricity
						among those purchased
						Steam
						among those accepted

(October, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	734,036	-	187,833	428,601	28,837
石 油 系 燃 料 (原 油 換 算)	"	220,638	-	8,263	160,716	12,275
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	10	-	4	-	-
改 質 生 成 油	"	31	-	-	31	-
灯 油	"	136,885	-	-	136,885	-
軽 油	"	885	-	3	190	-
A 重 油	"	263	-	206	-	-
B ・ C 重 油	"	2,918	-	1,755	4	-
炭 化 水 素 油	"	23,709	-	4,121	7,722	7,453
液 化 石 油 ガ ス	t	3,053	-	-	482	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	9,005	-	1,271	4,561	-
オ イ ル コ ー ク ス	t	34,308	-	-	17,551	-
ア ス フ ァ ル ト	"	13,207	-	-	3,991	4,910
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		364	-	186	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	459,975	-	175,700	239,432	14,540
石 炭 コ ー ク ス	t	488,983	-	155,168	280,315	19,752
コ ー ク ス 炉 ガ ス	1000m ³	14,917	-	-	8,773	-
高 炉 ガ ス	"	40,998	-	-	40,998	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,350	-	2,007	356	-
回 収 黒 液	絶乾(Dry)t	1,287	-	139	-	1,148
廃 プ ラ ス チ ッ ク	t	160,080	-	160,080	...	...
R P F	"	45	-	45	-	-
	"	7,960	-	7,960	-	-
電 力	1000kWh	913,121	-	416,268	171,342	63,885
う ち 購 入 分	"	401,287	-	28,082	160,157	21,450
蒸 気	t	4,047,648	-	2,999,480	286,523	321,929
う ち 受 入 分	"	232,829	-	18,193	196,094	383

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,043,389	960	70,900	630,897	5,371
石 油 系 燃 料 (原 油 換 算)	"	511,140	263	7,281	371,817	139
原 ガ ソ リ 油	"	56,444	-	...	56,444	...
ナ フ サ	"	623	-	-	-	-
改 質 生 成 油	"	226,042	-	-	226,042	-
灯 油	"	94,758	-	-	94,758	-
軽 油	"	1,908	264	280	329	-
A 重 油	"	383	6	1	25	-
B ・ C 重 油	"	4,066	-	129	2,605	-
炭 化 水 素 油	"	21,049	-	5,909	1,108	129
液 化 石 油 ガ ス	t	6,204	-	-	5,564	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	19,411	6	-	12,988	-
オ イ ル コ ー ク ス	t	34,015	-	-	13,150	-
ア ス フ ァ ル ト	"	69,956	-	543	-	-
再 生 油 (石 油 由 来)	kl	8,989	-	-	-	-
		7,676	-	35	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,390,134	-	60,754	219,593	-
石 炭 コ ー ク ス	t	1,155,134	-	32,958	290,559	-
コ ー ク ス 炉 ガ ス	1000m ³	406,952	-	-	-	-
高 炉 ガ ス	"	167,311	-	-	35,459	-
液 化 天 然 ガ ス	t	685,027	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,533	-	-	918	-
回 収 黒 液	絶乾(Dry)t	10,208	-	104	2,354	-
廃 プ ラ ス チ ッ ク	t	98,714	-	98,714	...	...
R P F	"	17,362	-	-	1,634	-
	"	-	-	-	-	-
電 力	1000kWh	1,547,255	7,500	161,720	171,414	15,421
う ち 購 入 分	"	1,162,042	7,500	30,806	113,917	15,421
蒸 気	t	3,048,792	-	976,091	880,366	54,935
う ち 受 入 分	"	471,750	-	-	397,570	54,935

(令和3年10月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
25,915	30,551	-	12,410	13,819	6,068	Total
25,914	6,536	-	2,022	4,612	300	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	104	-	42	537	9	9 Kerosene
-	52	-	2	3	-	- Gas oils
-	346	-	53	600	160	160 Heavy Fuel oil A
1,808	487	-	14	2,104	-	- Heavy Fuel oil B・C
-	1,567	-	-	1,004	-	- Hydrocarbon oil
1,451	-	-	1,477	146	99	99 Liquefied petroleum gas
16,757	-	-	-	-	-	- Hydrocarbon gas
-	4,306	-	-	-	-	- Petroleum coke
-	-	-	-	-	-	- Asphalt
-	178	-	-	-	-	- Reproduction oil (Oil origin)
-	23,232	-	5,484	480	1,105	Non-oil based fuels
-	33,307	-	-	441	-	(Crude petroleum equivalent)
-	847	-	5,053	244	-	- Coal
-	-	-	-	-	-	- Coal coke
-	-	-	-	-	-	- Coke oven gas
-	-	-	-	-	-	- Blast furnace gas
-	-	-	205	-	782	782 Liquefied natural gas
-	-	-	-	-	-	- Town gas(B)
...	...	...	...	...	...	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
24,771	42,149	-	55,923	88,613	50,170	Electricity
9	8,417	-	52,716	80,326	50,130	among those purchased
150,152	209,328	-	24,045	56,191	...	Steam
-	-	-	-	18,159	...	among those accepted
50,079	164,682	235	1,085,685	6,245	30,255	Total
48,712	51,875	3	26,981	2,257	2,339	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	621	(Crude petroleum equivalent)
-	-	-	-	-	-	621 Crude petroleum
-	-	-	-	-	-	621 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	66	-	729	96	672	672 Kerosene
-	24	-	329	-	10	10 Gas oils
269	271	-	402	110	280	280 Heavy Fuel oil A
9,675	2,347	-	583	1,298	-	- Heavy Fuel oil B・C
-	640	-	-	-	-	- Hydrocarbon oil
930	1,159	2	3,423	237	678	678 Liquefied petroleum gas
20,865	-	-	-	-	-	- Hydrocarbon gas
-	45,672	-	23,741	-	-	- Petroleum coke
8,989	-	-	-	-	-	- Asphalt
-	7,236	-	71	334	-	- Reproduction oil (Oil origin)
-	106,188	-	997,868	523	5,208	Non-oil based fuels
-	139,168	-	692,449	-	-	(Crude petroleum equivalent)
-	47	-	406,711	194	-	- Coal
-	4,273	-	127,579	-	-	- Coal coke
-	-	-	685,027	-	-	- Coke oven gas
-	-	-	15,141	267	207	207 Blast furnace gas
-	-	-	3,126	-	4,624	4,624 Liquefied natural gas
...	...	...	...	...	...	... Town gas(B)
-	11,065	-	4,663	-	-	... Black liquor
-	-	-	-	-	-	- Waste plastic
-	-	-	-	-	-	- Refuse Paper & Plastic Fuel
28,962	180,539	2,500	705,865	43,320	245,014	Electricity
14,699	69,741	2,500	641,100	37,254	244,104	among those purchased
230,238	381,377	-	467,006	58,779	...	Steam
-	1,905	-	17,340	-	...	among those accepted

(October, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年11月分
November, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移 18

2. 種別統計

(1) 業種別エネルギー消費 20

 1) 固有単位表 20

 2) 熱量単位表 20

(2) 燃料受払

 1) 燃料種別表 24

 ① 固有単位表 24

 ② 熱量単位表 24

 2) 業種別表

 ① パルプ・紙・板紙工業 26

 ② 化学繊維工業 26

 ③ 石油製品工業 28

 ④ ガラス製品工業 28

 ⑤ 化学工業 30

 ⑥ 窯業・土石製品工業 30

 ⑦ 鉄鋼業 32

 ⑧ 非鉄金属地金工業 34

 ⑨ 機械工業 34

(3) 電力受払 36

(4) 蒸気受払 36

3. 指定生産品目別統計

(1) 指定生産品目別エネルギー消費

 1) 直接投入エネルギー表 38

 2) 一次投入燃料換算表 38

(2) 指定生産品目別燃料在庫 50

4. 地域別統計

 経済産業局別業種別エネルギー消費

 1) 北海道経済産業局管内 52

 2) 東 北 " 52

 3) 関 東 " 54

 4) 中 部 " 54

 5) 近 畿 " 56

 6) 中 国 " 56

 7) 四 国 " 58

 8) 九 州 " 58

Notes for Utilization

1. Trends of energy consumption 18

2. Statistics by type kind of energy

(1) Energy consumption by industry 20

 1) Table of original units 20

 2) Table of energy units 20

(2) Fuel input/output

 1) Table for type kind of energy 24

 ① Table of original unit 24

 ② Table of energy unit 24

 2) Tables for individual industry

 ① Pulp,paper,paper board industry 26

 ② Chemical fiber industry 26

 ③ Petroleum products industry 28

 ④ Glass products industry 28

 ⑤ Chemical industry 30

 ⑥ Ceramic, stone and clay product industry 30

 ⑦ Iron and steel industry 32

 ⑧ Non-ferrous metals industry 34

 ⑨ Machinery industry 34

(3) Electricity input and output 36

(4) Steam input and output 36

3. Statistics by specific products

(1) Energy consumption by specific product

 1) Table in original units (Table of direct input energy, conversion table for primary input fuel) 38

 2) Table in energy units (Table of direct input energy, conversion table for primary input fuel) 38

(2) Fuel inventory by specific product 50

4. Regional statistics

 Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry

 1) Hokkaido Bureau of Economy, Trade and Industry 52

 2) Tohoku Bureau of Economy, Trade and Industry 52

 3) Kanto Bureau of Economy, Trade and Industry 54

 4) Chubu Bureau of Economy, Trade and Industry 54

 5) Kansai Bureau of Economy, Trade and Industry 56

 6) Chugoku Bureau of Economy, Trade and Industry 56

 7) Shikoku Bureau of Economy, Trade and Industry 58

 8) Kyushu Bureau of Economy, Trade and Industry 58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
鹿児島
の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	タール	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

- ① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.
- ② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	kl
平成 30 年	164,697,938	156,348,784	151,472,826	79,338,989	251,906	58,557	28,844,338	19,809,452	1,048,664	228,869
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2 年	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2 年	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 7～9月	35,080,660	32,584,559	32,157,630	17,502,147	511	12,087	7,327,451	3,564,243	345,626	57,154
10～12	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1～3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4～6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
7～9	39,200,017	36,956,558	36,023,126	18,837,579	5,857	10,106	7,471,509	4,015,721	303,325	53,637
2 年 9月	11,444,715	10,710,525	10,460,112	5,626,819	185	4,593	2,270,822	1,188,925	93,912	20,520
10	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
8	13,347,719	12,579,854	12,287,848	6,510,036	-	2,956	2,531,790	1,406,751	110,746	21,857
9	13,178,737	12,436,530	12,124,325	6,460,163	5,857	2,692	2,588,553	1,432,705	104,228	9,598
10	13,147,998	12,420,131	12,069,246	6,491,726	56,444	3,233	2,697,973	1,337,544	104,783	5,574
11	12,964,992	12,143,334	11,913,513	6,438,492	47,444	4,371	2,592,394	1,398,378	47,630	14,195
前年同月比(%)	7.9	7.3	8.3	9.8	14,498.2	▲ 6.0	3.1	18.3	▲ 29.1	▲ 26.1

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)										都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG		
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³		
平成 30 年	86,865,328	31,523,943	541,230	11,310,144	85,483,076	5,307,080	88,404	727,546	1,581,310	5,968,932	
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2 年	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2 年	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 7～9月	18,001,423	5,957,318	99,945	2,463,710	15,785,227	976,687	8,681	144,495	353,656	1,276,547	
10～12	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1～3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
4～6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699	
7～9	20,500,802	7,248,191	107,838	2,701,752	19,669,487	1,218,142	13,992	160,684	390,847	1,410,743	
2 年 9月	5,919,582	1,931,885	45,660	821,996	5,252,563	330,082	234	45,990	120,273	443,842	
10	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105	
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233	
8	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881	460,542	
9	6,746,889	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653	464,968	
10	6,789,652	2,330,363	42,559	909,216	6,230,481	389,307	8,346	52,811	112,415	460,956	
11	6,515,419	2,309,856	47,868	895,541	5,991,722	346,405	10,445	57,337	104,047	568,029	
前年同月比(%)	1.9	9.6	10.7	2.0	5.5	▲ 5.9	24.4	2.0	▲ 13.7	26.4	

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,830,821	606,179	4,224,642	1,612,078	5,673,044	13,838,528	4,112,334	825,675	330,986	118,696,733	C.Y. 2018
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,028,370	141,333	887,037	405,826	1,151,276	3,008,467	1,089,378	34,479	87,209	24,059,574	Q3 2020
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
1,067,032	143,198	923,834	415,300	1,370,175	3,163,629	997,670	83,187	96,803	27,916,422	Q3
360,446	50,450	309,996	128,839	387,284	976,252	342,186	1,971	28,903	7,987,826	Sep. 2020
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct.
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982	Aug.
352,063	50,319	301,744	145,847	465,922	1,059,922	339,902	15,807	32,591	9,182,175	Sep.
389,949	56,205	333,744	148,976	448,796	1,041,783	292,757	32,154	36,230	9,159,337	Oct.
398,856	60,706	338,150	149,430	408,411	1,063,073	374,361	15,607	34,831	8,997,941	Nov.
10.1	32.5	6.9	12.1	▲ 0.6	8.3	22.7	▲ 59.0	14.7	5.4	R・S

回収黒液						電力		蒸気		Year, quarter and Month
Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,349,556	11,042,190	2,622,203	476,387	680,187	628,867	186,357,933	109,597,196	514,961,893	40,754,603	C.Y. 2018
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,464,556	1,923,799	586,491	131,975	168,001	167,412	41,964,366	24,174,013	117,431,206	8,919,443	Q3 2020
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
2,882,299	2,567,429	596,452	137,235	186,701	185,439	45,881,914	26,622,869	121,787,450	9,307,450	Q3
879,283	682,767	194,307	43,716	55,356	60,166	13,977,184	8,141,577	38,111,408	3,034,303	Sep. 2020
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct.
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765	Aug.
970,299	864,803	210,030	44,585	62,493	63,475	15,052,090	8,783,699	39,915,089	3,164,805	Sep.
1,013,090	863,057	193,838	28,648	64,750	51,386	15,001,676	8,987,723	39,290,735	3,257,250	Oct.
887,414	861,864	210,552	36,892	65,026	62,366	14,561,970	8,746,745	38,691,895	3,240,617	Nov.
9.2	14.4	4.1	3.1	6.1	6.4	2.8	5.5	▲ 0.7	0.7	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	16,487,912	12,143,334	15,436,433	6,438,492	47,444	4,371	2,592,394	1,398,378	47,630
重複事業所分補正量 Duplication adjustment	346,924	-	323,107	10,070	-	106	-	-	777
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	942,455	817,252	898,156	75,216	...	7	-	-	639
化学工業 Chemical industry	6,472,382	5,174,425	6,174,976	4,928,912	47,444	18	2,572,423	1,398,378	31,065
化学繊維工業 Chemical fibers industry	170,470	40,669	148,620	38,934	...	5	-	-	122
石油製品工業 Petroleum products industry	1,130,917	999,262	1,088,688	1,057,128	...	9	19,971	-	3,513
窯業・土石製品工業 Ceramics, clay and stone products industry	790,562	529,252	755,013	147,152	...	25	-	-	1,365
ガラス製品工業 Glass products industry	43,042	41,532	34,112	4,250	...	-	-	-	9
鉄鋼業 Iron and steel industry	6,848,620	4,217,654	6,449,694	155,967	...	132	-	-	7,582
非鉄金属地金工業 Non-ferrous metals industry	3,851,614	74,721	3,452,688	19,290	...	3	-	-	1,368
機械工業 Machinery industry	87,487	248,566	46,806	163,477	...	4,278	-	-	2,744

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	638,082,229	469,947,042	597,389,983	249,169,659	1,651,051	145,991	86,326,720	47,125,339	1,738,513
重複事業所分補正量 Duplication adjustment	501,745,221	-	461,052,975	389,719	-	3,540	-	-	28,361
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	13,425,956	31,627,662	34,758,649	2,910,854	...	234	-	-	23,324
化学工業 Chemical industry	36,473,015	250,481,184	200,250,239	238,971,557	190,748,896	1,651,051	601	85,661,686	47,125,339
化学繊維工業 Chemical fibers industry	230,128,287	6,597,190	1,573,873	5,751,576	1,506,740	...	167	-	4,453
石油製品工業 Petroleum products industry	43,766,490	43,766,490	38,671,447	42,132,228	40,910,866	...	301	665,034	-
窯業・土石製品工業 Ceramics, clay and stone products industry	128,225	30,594,742	20,482,057	29,219,011	5,694,798	...	835	-	49,823
ガラス製品工業 Glass products industry	49,823	1,665,731	1,607,300	1,320,134	164,476	...	-	-	329
鉄鋼業 Iron and steel industry	329	265,041,584	163,223,219	249,603,149	6,035,941	...	4,409	-	276,745
非鉄金属地金工業 Non-ferrous metals industry	276,745	149,057,474	2,891,724	1,811,386	746,515	...	100	-	49,932
機械工業 Machinery industry	49,932	13,502,517	9,619,521	6,326,551	840,293	...	142,885	-	100,172

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンセートを含む。

(令和3年11月)

(石油系燃料 Oil based fuels)										(次頁へ続く)
軽油	重油計	A重油	B・C重油	炭化水素油	液化石油ガス	石油系炭化水素ガス	オイルコークス	アスファルト	再生油(石油由来)	非石油系燃料計
Gas oil	Heavy Fuel oil total	Heavy Fuel oil A	Heavy Fuel oil B・C	Hydrocarbon oil	LPG	Hydrocarbon gas	Petroleum Coke	Asphalt	Reproduction oil (Oil origin)	Non-oil based fuels total (原油換算) Crude petroleum equivalent
kl	kl	kl	kl	kl	t	1000m ³	t	t	kl	kl
14,195	398,856	60,706	338,150	149,430	408,411	1,063,073	374,361	15,607	34,831	8,997,941
531	4,523	683	3,840	-	512	-	3,751	-	-	313,037
315	53,492	5,241	48,251	4,908	1,862	-	8,747	-	1,832	822,940
8,560	118,546	6,948	111,598	103,765	355,609	462,073	129,093	-	2,111	1,246,064
11	18,357	1,669	16,688	19	321	-	21,693	-	-	109,686
53	134,275	21,948	112,327	12,772	22,479	600,995	49,674	15,607	-	31,560
1,045	32,072	2,428	29,644	16,164	1,607	-	72,571	-	28,037	607,861
2	3,484	247	3,237	-	59	-	-	-	403	29,862
2,089	29,029	12,946	16,083	8,201	19,187	5	96,247	-	117	6,293,726
278	10,569	6,407	4,162	3,600	441	-	87	-	2,331	27,516
2,373	3,555	3,555	-	1	7,358	-	-	-	-	141,764

単位 Unit: GJ

539,407	16,496,328	2,361,551	14,134,777	5,977,200	20,461,680	54,216,723	12,466,221	624,280	1,400,206	348,220,324
20,178	187,081	26,569	160,512	-	25,651	-	124,908	-	-	12,114,540
11,970	2,220,799	203,908	2,016,892	196,320	93,286	-	291,275	-	73,646	31,847,795
325,280	4,935,074	270,277	4,664,796	4,150,600	17,816,011	23,565,723	4,298,797	-	84,862	48,222,661
418	762,483	64,924	697,558	760	16,082	-	722,377	-	-	4,244,836
2,014	5,549,046	853,777	4,695,269	510,880	1,126,198	30,650,745	1,654,144	624,280	-	1,221,362
39,710	1,333,658	94,449	1,239,209	646,560	80,511	-	2,416,614	-	1,127,087	23,524,213
76	144,915	9,608	135,307	-	2,956	-	-	-	16,201	1,155,658
79,382	1,175,890	503,604	672,286	328,040	961,492	255	3,205,025	-	4,703	243,567,208
10,562	423,223	249,252	173,972	144,000	22,094	-	2,897	-	93,706	1,064,871
90,173	138,321	138,321	-	40	368,701	-	-	-	-	5,486,258

Note 1. Net consumption is shown for Total and three industrial categories (Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(November, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,515,419	2,309,856	47,868	895,541	5,991,722	346,405	10,445	57,337	104,047
重複事業所分補正量 Duplication adjustment	410,464	7,585	-	-	-	-	-	8,037	2,067
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	384,383	403	...	-	-	-	-	6,038	9,521
化学工業 Chemical industry	1,319,256	13,585	38,435	96,556	103,522	-	-	39,687	39,291
化学繊維工業 Chemical fibers industry	99,827	-	...	-	-	-	-	-	1,136
石油製品工業 Petroleum products industry	20,145	-	...	-	-	-	-	5,293	8,331
窯業・土石製品工業 Ceramics, clay and stone products industry	779,419	14,007	...	24,565	2,126	18,358	998	9,207	116
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,709
鉄鋼業 Iron and steel industry	4,319,358	2,271,516	9,433	774,420	5,842,845	328,047	9,447	2,186	31,230
非鉄金属地金工業 Non-ferrous metals industry	3,495	16,351	...	-	43,229	-	-	-	2,181
機械工業 Machinery industry	-	1,579	...	-	-	-	-	2,963	8,599

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	178,818,872	66,985,843	1,785,476	18,179,482	21,390,448	2,885,554	87,007	2,436,823	5,691,371
重複事業所分補正量 Duplication adjustment	10,713,110	219,965	-	-	-	-	-	341,573	113,065
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	10,032,396	11,687	...	-	-	-	-	256,615	520,799
化学工業 Chemical industry	34,432,582	393,965	1,433,626	1,960,087	369,574	-	-	1,686,698	2,149,218
化学繊維工業 Chemical fibers industry	2,605,485	-	...	-	-	-	-	-	62,139
石油製品工業 Petroleum products industry	525,785	-	...	-	-	-	-	224,953	455,706
窯業・土石製品工業 Ceramics, clay and stone products industry	20,342,836	406,222	...	498,670	7,590	152,922	8,313	391,298	6,345
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	312,282
鉄鋼業 Iron and steel industry	121,501,680	65,873,964	351,851	15,720,726	20,858,957	2,732,632	78,694	92,905	1,708,281
非鉄金属地金工業 Non-ferrous metals industry	91,220	474,179	...	-	154,328	-	-	-	119,301
機械工業 Machinery industry	-	45,791	...	-	-	-	-	125,928	470,365

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年11月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
568,029	887,414	861,864	210,552	36,892	65,026	62,366	14,561,970	8,746,745	38,691,895	3,240,617
14,659	-	-	-	3,007	836	-	968,655	211,585	3,147,746	34,179
73,336	887,414	...	207,998	20,551	4,616	58,329	1,982,135	405,769	11,755,705	63,478
126,987	...	...	-	10,222	6,743	1,517	2,932,675	1,398,916	12,193,252	2,355,620
38,375	...	...	-	-	-	-	404,684	165,654	1,605,354	93,181
363	...	...	-	-	-	-	828,963	210,879	5,838,981	327,139
7,843	...	...	125	8,882	34,910	2,520	1,345,874	358,615	4,185,590	6,039
20,520	...	...	-	-	-	-	104,517	92,815	12,254	-
191,906	...	861,864	2,429	244	19,593	-	5,296,984	4,001,430	5,980,690	386,172
5,495	...	...	-	-	-	-	411,911	330,928	267,815	43,167
117,863	...	...	-	-	-	-	2,222,882	1,993,324	...	...

単位 Unit: GJ

23,345,986	12,068,830	6,136,472	3,600,439	1,224,814	1,905,262	1,677,645	52,423,092	31,488,282	103,500,821	8,668,651
602,500	-	-	-	99,832	24,495	-	3,487,158	761,706	8,420,221	91,429
3,014,110	12,068,830	...	3,556,766	682,293	135,249	1,569,050	7,135,686	1,460,768	31,446,512	169,804
5,219,166	...	...	-	339,370	197,570	40,807	10,557,630	5,036,098	32,616,949	6,301,284
1,577,213	...	...	-	-	-	-	1,456,862	596,354	4,294,322	249,259
14,919	...	...	-	-	-	-	2,984,267	759,164	15,619,274	875,097
322,347	...	...	2,138	294,882	1,022,863	67,788	4,845,146	1,291,014	11,196,453	16,154
843,376	...	...	-	-	-	-	376,261	334,134	32,779	-
7,887,337	...	6,136,472	41,536	8,101	574,075	-	19,069,142	14,405,148	15,998,346	1,033,010
225,845	...	...	-	-	-	-	1,482,880	1,191,341	716,405	115,472
4,844,175	...	...	-	-	-	-	8,002,375	7,175,966	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(November, 2021)

(2) 燃料受払

Fuel input/output

1) 燃料種別表(事業所ベースの9調査対象業種合計)

Table by Fuel (establishment basis)

① 固有単位表

Table of original unit

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,303,130	3,532,304	15,436,433	2,560,461	375,927
(ネット)	"			11,913,513		
石 油 系 燃 料 (原 油 換 算)	"	4,797,003	-	6,438,492	711,791	179,573
原 ガ ナ 改 灯 軽 重	油 (注1)	35,007	...	47,444	-	-
ソ	ン	4,349	...	4,371	...	...
フ	サ	2,665,397	...	2,592,394	-	-
質 生 成	油	1,400,482	...	1,398,378	-	-
油	油	44,442	...	47,630	1,761	3,081
油	油	10,525	...	14,195	5	49
油	計	266,524	...	398,856	231,995	8,233
油	油	38,649	...	60,706	28,750	4,607
油	油	227,875	...	338,150	203,245	3,626
炭 液 石 油 系 炭 化 水 素 ガ ス	油	49,609	...	149,430	82,900	-
化 石 油	ガ ス	416,841	...	408,411	9,209	14,691
石 油 系 炭 化 水 素 ガ ス	1000m ³	23,022	...	1,063,073	145,995	113,105
オ イ ル コ ー ク ス	t	295,203	...	374,361	177,885	-
ア ス フ ァ ル ト	"	-	...	15,607	15,607	-
再 生 油 (石 油 由 来)	kl	34,898	-	34,831	2,408	-
非 石 油 系 燃 料 (原 油 換 算)	kl	7,506,128	3,532,304	8,997,941	1,848,670	196,354
石 炭 コ ー ク ス (注2)	t	7,656,998	...	6,515,419	1,312,306	-
石 炭 コ ー ク ス (注3)	"	582,481	2,532,494	2,309,856	-	-
タ ー ク ー ル	"	35,468	70,561	47,868	-	-
コ ー ク ス 炉 ガ ス	1000m ³	158,692	1,076,716	895,541	105,431	-
高 転 電 天 液 都 回 酸 廃 材	ガ ス	234,346	9,106,649	5,991,722	1,882,530	-
炉 ガ ス	ガ ス	22,707	523,018	346,405	93,683	-
電 気 然 燃 ガ ス	ガ ス	998	11,330	10,445	8,347	-
天 液 都 回 酸 廃 材	ガ ス	48,199	4,595	57,337	18,198	15,697
化 市 取 黒	ガ ス	120,555	...	104,047	18,022	27,055
都 市 取 黒	(A)	522,638	...	522,638	165,415	122,707
回 酸 廃 材	(B)	568,025	...	568,029	180,023	132,628
液 素 材	絶 乾(Dry)t	887,741	...	887,414	887,414	-
酸 廃 材	1000N ^m	686,608	202,748	861,864	-	-
材 ヤ ク	絶 乾(Dry)t	209,267	-	210,552	209,864	-
タ イ ッ ク	t	41,400	-	36,892	30,773	-
廃 材	"	65,328	5,729	65,026	4,616	-
R P F	"	61,120	-	62,366	59,813	33

② 熱量単位表

Table of energy unit

種 別	単 位	受 入	発生・回収 又は生産 Generation, recovery and/or production	合 計	ボイラ用	コージェネ レーション用
合 計 (原 油 換 算)	GJ	476,131,158	136,700,155	597,389,983	99,089,833	14,548,389
(ネット)	"			461,052,975		
石 油 系 燃 料 (原 油 換 算)	"	185,644,024	-	249,169,659	27,546,314	6,949,472
原 ガ ナ 改 灯 軽 重	油 (注1)	1,218,244	...	1,651,051	-	-
ソ	ン	145,257	...	145,991	...	...
フ	サ	88,757,720	...	86,326,720	-	-
質 生 成	油	47,196,243	...	47,125,339	-	-
油	油	1,622,150	...	1,738,513	64,277	112,457
油	油	399,947	...	539,407	190	1,862
油	計	11,028,819	...	16,496,328	9,614,080	330,779
油	油	1,503,535	...	2,361,551	1,118,439	179,212
油	油	9,525,284	...	14,134,777	8,495,641	151,567
炭 液 石 油 系 炭 化 水 素 ガ ス	油	1,984,360	...	5,977,200	3,316,000	-
化 石 油	ガ ス	20,884,002	...	20,461,680	461,371	736,019
石 油 系 炭 化 水 素 ガ ス	ガ ス	1,174,122	...	54,216,723	7,445,745	5,768,355
オ イ ル コ ー ク ス	ガ ス	9,830,260	...	12,466,221	5,923,571	-
ア ス フ ァ ル ト	ガ ス	-	...	624,280	624,280	-
再 生 油 (石 油 由 来)	ガ ス	1,402,900	-	1,400,206	96,802	-
非 石 油 系 燃 料 (原 油 換 算)	"	290,487,135	136,700,155	348,220,324	71,543,518	7,598,918
石 炭 コ ー ク ス (注2)	"	210,554,935	...	178,818,872	34,251,187	-
石 炭 コ ー ク ス (注3)	"	16,891,967	73,442,326	66,985,843	-	-
タ ー ク ー ル	"	1,322,956	2,631,925	1,785,476	-	-
コ ー ク ス 炉 ガ ス	ガ ス	3,221,448	21,857,335	18,179,482	2,140,249	-
高 転 電 天 液 都 回 酸 廃 材	ガ ス	836,615	32,510,737	21,390,448	6,720,632	-
炉 ガ ス	ガ ス	189,149	4,356,740	2,885,554	780,379	-
電 気 然 燃 ガ ス	ガ ス	8,313	94,379	87,007	69,531	-
天 液 都 回 酸 廃 材	ガ ス	2,048,458	195,288	2,436,823	773,415	667,123
化 市 取 黒	ガ ス	6,594,359	...	5,691,371	985,803	1,479,909
都 市 取 黒	ガ ス	23,345,825	...	23,345,986	7,398,935	5,450,999
回 酸 廃 材	ガ ス	12,073,278	...	12,068,830	12,068,830	-
液 素 材	"	4,888,649	1,443,566	6,136,472	...	-
酸 廃 材	"	3,578,466	-	3,600,439	3,588,674	-
材 ヤ ク	"	1,374,480	-	1,224,814	1,021,664	-
廃 材	"	1,914,110	167,860	1,905,262	135,249	-
R P F	"	1,644,128	-	1,677,645	1,608,970	888

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

3. 石炭コークスにはピッチコークスを含む。

(令和3年11月)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したものの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
12,500,045	6,931,791	5,337,847	230,407	1,580,002	9,397,531	Total (Crude petroleum equivalent) (Net)
5,547,128	4,159,195	1,287,005	100,927	63,508	1,641,729	Oil based fuels (Crude petroleum equivalent)
47,444	47,444	-	-	1,754	13,991	Crude petroleum
4,371	...	5	4,366	4	1,701	Gasoline
2,592,394	2,589,750	2,642	2	536	653,257	Naphtha
1,398,378	1,398,378	-	-	5,245	4,238	Oil produced by conversion
42,788	28,530	10,707	3,551	115	16,803	Kerosene
14,141	8,309	815	5,017	32	11,655	Gas oils
158,628	50,119	98,580	9,929	3,421	245,895	Heavy Fuel oil total
27,349	-	22,431	4,918	544	54,688	Heavy Fuel oil A
131,279	50,119	76,149	5,011	2,877	191,207	Heavy Fuel oil B・C
66,530	35,523	30,524	483	391	12,406	Hydrocarbon oil
384,511	322,952	35,327	26,232	33,059	125,558	Liquefied petroleum gas
803,973	26,812	745,761	31,400	...	...	Hydrocarbon gas
196,476	105,871	89,528	1,077	11,509	683,772	Petroleum coke
-	-	-	-	-	-	Asphalt
32,423	-	30,733	1,690	-	8,999	Reproduction oil (Oil origin)
6,952,917	2,772,596	4,050,842	129,479	1,516,494	7,755,801	Non-oil based fuels (Crude petroleum equivalent)
5,203,113	3,645,208	1,556,872	1,033	596,952	8,558,710	Coal
2,309,856	42,676	2,259,102	8,078	677,868	2,060,448	Coal coke
47,868	47,868	-	-	54,806	49,263	Tar
790,110	635	749,148	40,327	324,208	...	Coke oven gas
4,109,192	-	3,768,189	341,003	3,186,547	...	Blast furnace gas
252,722	-	229,470	23,252	172,387	...	Converter furnace gas
2,098	-	2,098	-	1,883	...	Electric furnaces gas
23,442	5,993	16,323	1,126	886	16	Natural gas
58,970	5,834	49,167	3,969	16,390	25,335	Liquefied natural gas
234,516	-	202,280	32,236	...	...	Town gas(A)
255,378	-	220,194	35,185	...	...	Town gas(B)
-	-	-	-	-	3,284	Black liquor
861,864	-	756,332	105,532	32,755	1,338	Oxygen
688	-	643	45	-	42,301	Waste material
6,119	244	5,875	-	-	26,968	Used tires
60,410	20,292	38,183	1,935	4,566	30,778	Waste plastic
2,520	-	2,520	-	-	16,666	Refuse Paper & Plastic Fuel
483,751,761	268,260,322	206,574,689	8,916,750	61,146,093	363,684,439	Total (Crude petroleum equivalent) (Net)
214,673,873	160,960,858	49,807,108	3,905,908	2,457,757	63,534,930	Oil based fuels (Crude petroleum equivalent)
1,651,051	1,651,051	-	-	61,039	487,622	Crude petroleum
145,991	...	167	145,824	134	56,813	Gasoline
86,326,720	86,238,675	87,979	67	17,849	21,753,458	Naphtha
47,125,339	47,125,339	-	-	176,757	142,821	Oil produced by conversion
1,561,780	1,041,345	390,823	129,612	4,198	613,312	Kerosene
537,355	315,742	30,970	190,643	1,216	442,890	Gas oils
6,551,469	2,094,974	4,055,630	400,865	141,420	10,119,915	Heavy Fuel oil total
1,063,900	-	872,586	191,315	21,162	2,127,442	Heavy Fuel oil A
5,487,569	2,094,974	3,183,045	209,550	120,259	7,992,473	Heavy Fuel oil B・C
2,661,200	1,420,920	1,220,960	19,320	15,640	496,240	Hydrocarbon oil
19,264,290	16,179,895	1,770,019	1,314,375	1,656,256	6,290,492	Liquefied petroleum gas
41,002,623	1,367,412	38,033,811	1,601,400	...	...	Hydrocarbon gas
6,542,651	3,525,504	2,981,282	35,864	383,250	22,769,608	Petroleum coke
-	-	-	-	-	-	Asphalt
1,303,405	-	1,235,467	67,938	-	361,760	Reproduction oil (Oil origin)
269,077,888	107,299,464	156,767,581	5,010,842	58,688,335	300,149,509	Non-oil based fuels (Crude petroleum equivalent)
144,567,685	103,087,015	41,453,709	26,961	16,275,648	234,149,501	Coal
66,985,843	1,237,604	65,513,977	234,262	19,658,172	59,753,008	Coal coke
1,785,476	1,785,476	-	-	2,044,264	1,837,510	Tar
16,039,233	12,891	15,207,704	818,638	6,581,422	...	Coke oven gas
14,669,815	-	13,452,435	1,217,381	11,375,973	...	Blast furnace gas
2,105,174	-	1,911,485	193,689	1,435,984	...	Converter furnace gas
17,476	-	17,476	-	15,685	...	Electric furnaces gas
996,285	254,703	693,728	47,855	37,655	680	Natural gas
3,225,659	319,120	2,689,435	217,104	896,533	1,385,825	Liquefied natural gas
10,496,052	-	9,049,953	1,446,099	...	...	Town gas
-	-	-	-	-	44,662	Black liquor
6,136,472	-	5,385,084	751,388	233,216	9,527	Oxygen
11,765	-	10,995	770	-	723,347	Waste material
203,151	8,101	195,050	-	-	895,338	Used tires
1,770,013	594,556	1,118,762	56,696	133,784	901,795	Waste plastic
67,788	-	67,788	-	-	448,315	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(November, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業 Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	872,832	898,156	814,880	49,339
石 油 系 燃 料 (原 油 換 算)	〃	75,097	75,216	50,445	37
ガ ソ リ ン	〃	6	7	...	...
灯 油	〃	661	639	242	-
軽 油	〃	328	315	4	18
重 油 計	〃	53,825	53,492	36,878	19
A 重 油	〃	5,393	5,241	4,544	19
B・C 重 油	〃	48,432	48,251	32,334	-
炭 化 水 素 油	〃	4,385	4,908	3,430	-
液 化 石 油 ガ ス	t	1,828	1,862	506	-
オ イ ル コ ー ク ス	〃	8,840	8,747	6,981	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,837	1,832	494	-
非 石 油 系 燃 料 (原 油 換 算)	kl	797,735	822,940	764,435	49,303
石 炭	t	344,345	384,383	384,383	-
石 炭 コ ー ク ス	〃	-	403	-	-
天 然 ガ ス	1000m ³	6,038	6,038	1,229	4,656
液 化 天 然 ガ ス	t	9,541	9,521	4,752	3,265
都 市 ガ ス (A)	1000m ³	67,964	67,964	28,175	34,324
都 市 ガ ス (B)	〃	73,333	73,336	30,107	37,242
回 収 黒 液 材	絶乾(Dry)t	887,741	887,414	887,414	-
廃 タ イ ヤ	t	206,713	207,998	207,435	-
廃 プ ラ ス チ ッ ク	t	24,568	20,551	20,551	-
廃 R P F	〃	4,616	4,616	4,616	-
R P F	〃	57,006	58,329	58,296	33

② 化学繊維工業 Chemical fibers products industry

合 計 (原 油 換 算)	kl	202,551	148,620	107,246	30,151
石 油 系 燃 料 (原 油 換 算)	〃	87,838	38,934	34,963	382
ガ ソ リ ン	〃	5	5	...	...
灯 油	〃	117	122	38	-
軽 油	〃	13	11	-	4
重 油 計	〃	18,112	18,357	15,053	376
A 重 油	〃	1,562	1,669	851	376
B・C 重 油	〃	16,550	16,688	14,202	-
炭 化 水 素 油	〃	19	19	19	-
液 化 石 油 ガ ス	t	330	321	36	-
オ イ ル コ ー ク ス	〃	78,816	21,693	21,693	-
ア ス フ ァ ル ト	〃	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	114,713	109,686	72,282	29,769
石 炭	t	107,245	99,827	99,827	-
液 化 天 然 ガ ス	〃	1,153	1,136	1,057	-
都 市 ガ ス (A)	1000m ³	35,194	35,194	3,116	25,568
都 市 ガ ス (B)	〃	38,375	38,375	3,261	28,031
廃 プ ラ ス チ ッ ク	t	-	-	-	-
廃 R P F	〃	-	-	-	-

(令和3年11月)

Consumption			払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
33,937	29,425	4,512	11,898	388,692	Total (Crude petroleum equivalent)
24,734	21,399	3,335	3,077	81,747	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	2	Gasoline
397	344	53	22	868	Kerosene
293	3	290	13	22	Gas oils
16,595	15,181	1,414	2,826	64,801	Heavy Fuel oil total
678	607	71	119	6,223	Heavy Fuel oil A
15,917	14,574	1,343	2,707	58,578	Heavy Fuel oil B・C
1,478	1,470	8	-	5,716	Hydrocarbon oil
1,356	743	613	-	290	Liquefied petroleum gas
1,766	1,267	499	-	3,637	Petroleum coke
-	-	-	-	-	Asphalt
1,338	1,106	232	-	1,893	Reproduction oil (Oil origin)
9,203	8,026	1,177	8,821	306,945	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	13,079	381,427	Coal
403	-	403	-	600	Coal coke
153	135	18	-	...	Natural gas
1,504	1,360	144	-	720	Liquefied natural gas
5,465	4,922	543	...	...	Town gas(A)
5,987	5,392	595	...	...	Town gas(B)
-	-	-	-	3,284	Black liquor
563	518	45	-	42,301	Waste material
-	-	-	-	19,816	Used tires
-	-	-	-	-	Waste plastic
-	-	-	-	16,388	Refuse Paper & Plastic Fuel
11,223	6,532	4,691	-	222,580	Total (Crude petroleum equivalent)
3,589	1,973	1,616	-	115,203	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
84	16	68	-	82	Kerosene
7	-	7	-	10	Gas oils
2,928	1,645	1,283	-	21,836	Heavy Fuel oil total
442	74	368	-	5,778	Heavy Fuel oil A
2,486	1,571	915	-	16,058	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
285	144	141	-	84	Liquefied petroleum gas
-	-	-	-	106,750	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,634	4,559	3,075	-	107,377	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	158,732	Coal
79	79	-	-	230	Liquefied natural gas
6,510	3,878	2,632	...	...	Town gas(A)
7,083	4,188	2,895	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(November, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	12,161	1,088,688	324,614	120,906
石 油 系 燃 料 (原 油 換 算)	"	-	1,057,128	310,392	118,058
ガ ソ リ ン	"	...	9	...	...
ナ フ サ	"	...	19,971	-	-
灯 油	"	...	3,513	343	3,081
軽 油	"	...	53	-	-
重 油 計	"	...	134,275	109,310	2,026
A 重 油	"	...	21,948	15,762	2,026
B・C 重 油	"	...	112,327	93,548	-
炭 化 水 素 油	"	...	12,772	12,772	-
液 化 石 油 ガ ス	t	...	22,479	407	8,386
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	600,995	91,500	77,597
オ イ ル コ ー ク ス	t	...	49,674	49,674	-
ア ス フ ェ ル ト	"	...	15,607	15,607	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	12,161	31,560	14,222	2,848
石 炭	t	-	20,145	20,145	-
天 然 ガ ス	1000m ³	-	5,293	28	-
液 化 天 然 ガ ス	t	8,331	8,331	159	2,015
都 市 ガ ス (A)	1000m ³	332	332	327	-
都 市 ガ ス (B)	"	363	363	358	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	34,239	34,112	411	3,229
石 油 系 燃 料 (原 油 換 算)	"	4,366	4,250	2	1
ガ ソ リ ン	"	-	-	...	...
灯 油	"	7	9	2	-
軽 油	"	3	2	-	-
重 油 計	"	3,580	3,484	-	1
A 重 油	"	260	247	-	1
B・C 重 油	"	3,320	3,237	-	-
液 化 石 油 ガ ス	t	50	59	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	428	403	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,873	29,862	409	3,228
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,717	5,709	23	812
都 市 ガ ス (A)	1000m ³	18,909	18,909	325	1,789
都 市 ガ ス (B)	"	20,520	20,520	354	1,959
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年11月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
643,168	66,199	548,718	28,251	Total (Crude petroleum equivalent)
628,678	60,709	540,706	27,263	Oil based fuels (Crude petroleum equivalent)
9	...	...	9	Gasoline
19,971	17,329	2,642	-	Naphtha
89	-	34	55	Kerosene
53	-	-	53	Gas oils
22,939	-	21,321	1,618	Heavy Fuel oil total
4,160	-	3,631	529	Heavy Fuel oil A
18,779	-	17,690	1,089	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
13,686	10,326	3,360	-	Liquefied petroleum gas
431,898	24,609	387,982	19,307	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
14,490	5,490	8,012	988	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,265	1,461	3,566	238	Natural gas
6,157	2,749	2,898	510	Liquefied natural gas
5	-	-	5	Town gas(A)
5	-	-	5	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
30,472	29,839	633	45	4,035	Total (Crude petroleum equivalent)
4,247	4,204	43	45	4,005	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
7	3	4	-	66	Kerosene
2	1	1	1	-	Gas oils
3,483	3,446	37	44	3,530	Heavy Fuel oil total
246	209	37	44	852	Heavy Fuel oil A
3,237	3,237	-	-	2,678	Heavy Fuel oil B・C
59	58	1	-	15	Liquefied petroleum gas
-	-	-	-	-	Asphalt
403	403	-	-	168	Reproduction oil (Oil origin)
26,225	25,635	590	-	30	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
4,874	4,874	-	-	21	Liquefied natural gas
16,795	16,285	510	...	...	Town gas(A)
18,207	17,651	556	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(November, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,624,132	533,916	6,174,973 5,649,059	761,888	105,645
石油系燃料（原油換算）	"	4,358,852	-	4,928,912	277,433	56,892
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	35,007	...	47,444	-	-
ガ ソ リ ン	"	20	...	18	...	...
ナ フ サ	"	2,665,397	...	2,572,423	-	-
改 質 生 成 油	"	1,400,482	...	1,398,378	...	...
灯 油	"	31,300	...	31,065	53	-
軽 油	"	4,929	...	8,560	1	-
重 油	"	117,353	...	118,546	55,651	1,926
A 重 油	"	6,821	...	6,948	3,208	1,926
B・C 重 油	"	110,532	...	111,598	52,443	-
炭 化 水 素 油	"	17,057	...	103,765	66,679	-
液 化 石 油 ガ ス	t	388,908	...	355,609	2,335	6,305
石油系炭化水素ガス（注2）	1000m ³	23,017	...	462,073	54,495	35,508
オ イ ル コ ー ク ス	t	116,338	...	129,093	83,407	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	2,111	-	2,111	1,914	-
非石油系燃料（原油換算）	kl	1,265,281	533,916	1,246,061	484,455	48,754
石 炭	t	1,417,903	-	1,319,256	514,034	-
石 炭 コ ー ク ス	"	11,526	543,542	13,585	...	-
タ ー ク ス	"	30,100	9,872	38,435	-	-
コ ー ク ス 炉 ガ ス	1000m ³	4,965	207,978	96,556	3,472	-
高 炉 ガ ス	"	103,522	-	103,522	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	35,839	4,595	39,687	16,157	9,248
液 化 天 然 ガ ス	t	51,287	...	39,291	8,778	15,418
都 市 ガ ス （ A ）	1000m ³	118,037	...	118,037	82,694	15,756
都 市 ガ ス （ B ）	"	126,983	...	126,985	90,380	15,824
廃 タ イ ヤ	t	10,814	-	10,222	10,222	-
廃 プ ラ ス チ ック	"	2,879	3,903	6,743	-	-
R P F	"	1,517	-	1,517	1,517	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	778,557	-	755,013 755,013	305,611	5,423
石油系燃料（原油換算）	"	133,202	-	147,152	14,960	770
ガ ソ リ ン	"	24	...	25	...	...
灯 油	"	1,397	...	1,365	138	-
軽 油	"	1,032	...	1,045	-	-
重 油	"	33,538	...	32,072	919	713
A 重 油	"	2,676	...	2,428	561	-
B・C 重 油	"	30,862	...	29,644	358	713
炭 化 水 素 油	"	16,836	...	16,164	-	-
液 化 石 油 ガ ス	t	1,607	...	1,607	-	-
オ イ ル コ ー ク ス	"	53,596	...	72,571	16,130	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	28,134	-	28,037	-	-
非石油系燃料（原油換算）	kl	645,355	-	607,861	290,651	4,653
石 炭	t	833,268	...	779,419	420,615	-
石 炭 コ ー ク ス	"	15,338	-	14,007	-	-
コ ー ク ス 炉 ガ ス	1000m ³	24,565	-	24,565	-	-
高 炉 ガ ス	"	2,126	-	2,126	-	-
転 炉 ガ ス	"	18,358	-	18,358	-	-
電 気 炉 ガ ス	"	998	-	998	-	-
天 然 ガ ス	"	9,207	-	9,207	3,527	4,237
液 化 天 然 ガ ス	t	116	-	116	-	-
都 市 ガ ス （ A ）	1000m ³	7,247	...	7,247	498	-
都 市 ガ ス （ B ）	"	7,843	...	7,843	497	-
廃 材	絶乾(Dry)t	125	-	125	-	-
廃 タ イ ヤ	t	8,847	-	8,882	3,007	-
廃 プ ラ ス チ ック	"	35,117	-	34,910	-	-
R P F	"	2,597	-	2,520	-	-

注1. 合計（原油換算）の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。
2. 石油系炭化水素ガスの原料用消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,307,440	4,601,818	656,645	48,979	539,172	2,715,629	Total (Crude petroleum equivalent) (Net)
4,594,587	4,037,726	514,871	41,990	49,331	1,031,474	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
47,444	47,444	-	-	1,754	13,781	NGL・condensate
18	...	...	18	-	4	Gasoline
2,572,423	2,572,421	-	2	536	653,257	Naphtha
1,398,378	1,398,378	...	...	5,245	4,238	Oil produced by conversion
31,012	28,530	1,496	986	-	6,937	Kerosene
8,559	8,309	-	250	-	10,035	Gas oils
60,969	50,119	8,832	2,018	22	57,097	Heavy Fuel oil total
1,814	-	841	973	22	6,657	Heavy Fuel oil A
59,155	50,119	7,991	1,045	-	50,440	Heavy Fuel oil B・C
37,086	27,322	9,699	65	...	...	Hydrocarbon oil
346,969	312,626	17,202	17,141	32,986	91,717	Liquefied petroleum gas
372,070	2,203	357,774	12,093	...	...	Hydrocarbon gas
45,686	45,109	-	577	-	298,412	Petroleum coke
-	-	-	-	-	-	Asphalt
197	-	197	-	-	-	Reproduction oil (Oil origin)
712,853	564,092	141,774	6,990	489,841	1,684,155	Non-oil based fuels (Crude petroleum equivalent)
805,222	749,590	55,266	366	15,145	2,112,282	Coal
13,585	10,157	3,428	-	534,717	306,853	Coal coke
38,435	38,435	-	-	-	28,386	Tar
93,084	169	92,464	451	116,394	...	Coke oven gas
103,522	-	103,522	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
14,282	4,532	8,970	780	886	...	Natural gas
15,095	3,085	11,990	20	11,962	69	Liquefied natural gas
19,587	...	14,724	4,863	...	...	Town gas(A)
20,781	...	15,490	5,293	...	...	Town gas(B)
-	-	-	-	-	2,244	Used tires
6,743	5,907	836	-	-	356	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
443,979	6,984	428,634	8,361	17,183	938,855	Total (Crude petroleum equivalent) (Net)
131,422	3,396	123,743	4,283	3,442	168,915	Oil based fuels (Crude petroleum equivalent)
25	...	...	25	-	-	Gasoline
1,227	-	1,128	99	-	405	Kerosene
1,045	-	256	789	6	41	Gas oils
30,440	-	28,650	1,790	-	43,259	Heavy Fuel oil total
1,867	-	1,511	356	-	5,579	Heavy Fuel oil A
28,573	-	27,139	1,434	-	37,680	Heavy Fuel oil B・C
16,164	-	16,164	-	391	2,634	Hydrocarbon oil
1,607	-	1,529	78	-	172	Liquefied petroleum gas
56,441	3,947	52,493	1	3,524	132,465	Petroleum coke
-	-	-	-	-	-	Asphalt
28,037	-	26,706	1,331	-	5,063	Reproduction oil (Oil origin)
312,556	3,588	304,891	4,078	13,741	769,940	Non-oil based fuels (Crude petroleum equivalent)
358,804	763	357,374	667	20,365	1,107,792	Coal
14,007	4,101	9,906	-	8	16,721	Coal coke
24,565	-	24,565	-	-	...	Coke oven gas
2,126	-	2,126	-	-	...	Blast furnace gas
18,358	-	18,358	-	-	...	Converter furnace gas
998	-	998	-	-	...	Electric furnaces gas
1,443	-	1,443	-	-	...	Natural gas
116	-	65	51	-	-	Liquefied natural gas
6,749	...	3,597	3,152	...	...	Town gas(A)
7,346	...	3,998	3,348	...	...	Town gas(B)
125	-	125	-	-	-	Waste material
5,875	-	5,875	-	-	5,518	Used tires
34,910	-	34,910	-	-	7,089	Waste plastic
2,520	-	2,520	-	-	278	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(November, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,939,702	2,998,388	6,449,694	465,476	9,596
（ネット）	〃	-	-	3,452,688	-	-
石油系燃料（原油換算）	〃	107,052	-	155,967	18,495	3,208
ガソリン	〃	134	…	132	…	…
灯油	〃	7,657	…	7,582	180	-
軽油	〃	2,078	…	2,089	-	-
重油計	〃	30,825	…	29,029	12,374	2,980
A重油	〃	12,942	…	12,946	1,967	149
B・C重油	〃	17,883	…	16,083	10,407	2,831
炭化水素油	〃	7,573	…	8,201	-	-
液化石油ガス	t	16,924	…	19,187	3,945	-
石油系炭化水素ガス	1000m ³	5	…	5	-	-
オイルコークス	t	41,232	…	96,247	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	117	-	117	-	-
非石油系燃料（原油換算）	kl	4,832,651	2,998,388	6,293,726	446,981	6,389
コークス製造用炭（原料炭）	t	3,824,031	…	3,130,870	-	-
石炭	〃	1,596,869	…	1,188,488	228,316	-
石炭コークス	〃	550,194	1,988,952	2,271,516	…	-
ターナル	〃	5,368	60,689	9,433	-	-
コークス炉ガス	1000m ³	129,162	868,738	774,420	101,959	-
高炉ガス	〃	128,698	9,106,649	5,842,845	1,866,283	-
転炉ガス	〃	4,349	523,018	328,047	93,683	-
電気炉ガス	〃	-	11,330	9,447	8,347	-
天然ガス	〃	2,189	-	2,186	267	-
液化天然ガス	t	35,733	…	31,230	2,609	1,707
都市ガス（A）	1000m ³	175,532	…	175,532	34,723	3,437
都市ガス（B）	〃	191,909	…	191,906	37,986	3,744
酸素	1000Nm ³	686,608	202,748	861,864	…	-
廃材	絶乾(Dry)t	2,429	-	2,429	2,429	-
廃タイヤ	t	24	-	244	-	-
廃プラスチック	〃	23,591	1,826	19,593	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年11月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,974,621	2,263,035	3,605,305	106,282	1,011,705	5,626,224	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
134,265	60,591	61,796	11,878	7,613	222,658	Oil based fuels (Crude petroleum equivalent)
132	...	5	127	4	23	Gasoline
7,402	...	5,955	1,447	93	3,384	Kerosene
2,089	...	20	2,069	12	110	Gas oils
13,675	-	13,192	483	529	47,054	Heavy Fuel oil total
10,830	...	10,475	355	359	19,943	Heavy Fuel oil A
2,845	-	2,717	128	170	27,111	Heavy Fuel oil B・C
8,201	8,201	-	-	-	3,137	Hydrocarbon oil
15,242	-	9,159	6,083	73	31,874	Liquefied petroleum gas
5	-	5	-	...	...	Hydrocarbon gas
96,247	60,566	35,681	-	7,985	145,014	Petroleum coke
-	-	-	-	-	-	Asphalt
117	-	117	-	-	696	Reproduction oil (Oil origin)
5,840,356	2,202,443	3,543,509	94,404	1,004,092	5,403,566	Non-oil based fuels (Crude petroleum equivalent)
3,130,870	2,838,245	292,625	-	248,286	3,845,418	Coal for making coke (material coal)
960,172	56,794	903,378	-	300,077	1,715,377	Coal
2,271,516	32,278	2,233,021	6,217	143,143	1,738,977	Coal coke
9,433	9,433	-	-	54,806	20,877	Tar
672,461	466	632,119	39,876	207,814	...	Coke oven gas
3,976,562	-	3,635,559	341,003	3,186,547	...	Blast furnace gas
234,364	-	211,112	23,252	172,387	...	Converter furnace gas
1,100	-	1,100	-	1,883	...	Electric furnaces gas
1,919	-	1,845	74	-	16	Natural gas
26,914	-	24,244	2,670	4,428	23,739	Liquefied natural gas
137,372	...	130,807	6,565	...	...	Town gas(A)
150,176	...	142,991	7,185	...	...	Town gas(B)
861,864	-	756,332	105,532	32,755	1,338	Oxygen
-	-	-	-	-	-	Waste material
244	244	-	-	-	67	Used tires
19,593	14,385	3,273	1,935	4,566	23,689	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(November, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	36,948	46,806	2,798	91
石 油 系 燃 料 (原 油 換 算)	"	18,359	19,290	928	91
ガ ソ リ ン	"	3	3	...	...
灯 油	"	1,349	1,368	-	-
軽 油	"	274	278	-	-
重 油 計	"	9,657	10,569	913	84
A 重 油	"	6,254	6,407	781	2
B・C 重 油	"	3,403	4,162	132	82
炭 化 水 素 油	"	3,738	3,600	-	-
液 化 石 油 ガ ス	t	433	441	-	-
オ イ ル コ ー ク ス	"	81	87	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	2,271	2,331	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	18,589	27,516	1,871	-
石 炭	t	177	3,495	-	-
石 炭	"	12,727	16,351	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	43,229	16,247	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	-	-	-	-
液 化 天 然 ガ ス	t	2,191	2,181	94	-
都 市 ガ ス (A)	1000m³	5,192	5,192	203	-
都 市 ガ ス (B)	"	5,495	5,495	225	-
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	163,158	163,477	26,543	59,188
石 油 系 燃 料 (原 油 換 算)	"	21,466	21,713	4,398	147
ガ ソ リ ン	"	4,262	4,278	...	...
灯 油	"	2,706	2,744	797	-
軽 油	"	2,399	2,373	-	27
重 油 計	"	3,446	3,555	1,077	120
A 重 油	"	3,446	3,555	1,077	120
B・C 重 油	"	-	-	-	-
炭 化 水 素 油	"	1	1	-	-
液 化 石 油 ガ ス	t	7,271	7,358	1,980	-
石 油 系 炭 化 水 素 ガ ス	1000m³	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	141,692	141,764	22,145	59,041
石 炭	t	-	-	-	-
石 炭	"	1,570	1,579	-	-
コ ー ク ガ ス	1000m³	-	-	-	-
高 圧 ガ ス	"	-	-	-	-
電 気 ガ ス	"	-	-	-	-
天 然 ガ ス	"	2,963	2,963	483	1,793
液 化 天 然 ガ ス	t	8,553	8,599	739	4,208
都 市 ガ ス (A)	1000m³	107,786	107,786	17,725	43,971
都 市 ガ ス (B)	"	117,863	117,863	19,369	48,139
廃 プ ラ ス チ ック	t	-	-	-	-
廃 プ ラ ス チ ック	"	-	-	-	-
R P F	"	-	-	-	-

(令和3年11月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
43,917	40,855	3,062	14,450	Total
18,272	16,557	1,715	8,460	(Crude petroleum equivalent)
3	...	3	2	Oil based fuels
1,368	1,090	278	411	(Crude petroleum equivalent)
278	1	277	19	Gasoline
9,572	9,081	491	5,478	Kerosene
5,624	5,141	483	1,949	Gas oils
3,948	3,940	8	3,529	Heavy Fuel oil total
3,600	3,191	409	919	Heavy Fuel oil A
441	341	100	56	Heavy Fuel oil B・C
87	87	-	39	Hydrocarbon oil
-	-	-	-	Liquefied petroleum gas
2,331	2,204	127	1,179	Petroleum coke
				Asphalt
25,645	24,299	1,347	5,991	Reproduction oil (Oil origin)
3,495	3,495	-	2,353	Non-oil based fuels
16,351	14,893	1,458	5,645	(Crude petroleum equivalent)
-	-	-	...	Coal
26,982	26,982	-	...	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
2,087	1,907	180	123	Electric furnaces gas
4,989	4,989	-	...	Natural gas
5,270	5,270	-	...	Liquefied natural gas
-	-	-	...	Town gas(A)
-	-	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
77,745	48,640	29,105	20,875	Total
17,167	6,405	10,762	20,214	(Crude petroleum equivalent)
4,278	...	4,278	1,689	Oil based fuels
1,947	1,338	609	4,941	(Crude petroleum equivalent)
2,346	534	1,812	1,446	Gasoline
2,358	583	1,775	10,853	Kerosene
2,358	583	1,775	10,716	Gas oils
-	-	-	137	Heavy Fuel oil total
1	-	1	-	Heavy Fuel oil A
5,378	3,115	2,263	1,356	Heavy Fuel oil B・C
-	-	-	...	Hydrocarbon oil
-	-	-	...	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
60,578	42,234	18,343	661	Non-oil based fuels
-	-	-	-	(Crude petroleum equivalent)
1,579	1,579	-	66	Coal
-	-	-	...	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
687	671	16	...	Natural gas
3,652	3,079	573	433	Liquefied natural gas
46,090	31,032	15,058	...	Town gas(A)
50,355	33,862	16,493	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(November, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計 Total	購入電力(買電) Purchase	自 家 発 電		
			計 Total	火 力 Thermal	コージェネレーション Cogeneration
合 計(注1)	16,596,313	8,746,745	7,849,568	5,884,650	1,186,901
事業所重複分補正量	1,068,169	211,585	856,584	809,908	24,597
パルプ・紙・板紙工業	2,254,505	405,769	1,848,736	1,666,361	154,039
化学工業	3,396,623	1,398,916	1,997,707	1,568,258	299,431
化学繊維工業	474,951	165,654	309,297	215,478	93,256
石油製品工業	1,262,082	210,879	1,051,203	655,034	371,003
窯業・土石製品工業	1,549,148	358,615	1,190,533	1,082,137	17,262
ガラス製品工業	104,566	92,815	11,751	-	8,560
鉄鋼業(注2)	5,969,088	4,001,430	1,967,658	1,504,236	38,349
非鉄金属地金工業	427,673	330,928	96,745	3,050	319
機械工業	2,225,846	1,993,324	232,522	4	229,279

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計 Total	受 入 Receipts	蒸 気 発 生 Generation		
			計 Total	一次蒸気 Primary steam	一次蒸気 Other than コージェネレーション Cogeneration
合 計(注)	40,759,821	3,240,617	37,519,204	30,695,699	1,848,974
事業所重複分補正量	3,222,030	34,179	3,187,851	3,122,375	34,098
パルプ・紙・板紙工業	11,846,038	63,478	11,782,560	11,413,729	320,823
化学工業	13,564,240	2,355,620	11,208,620	8,574,747	643,369
化学繊維工業	1,635,130	93,181	1,541,949	1,366,960	166,945
石油製品工業	6,153,425	327,139	5,826,286	4,554,922	691,332
窯業・土石製品工業	4,266,112	6,039	4,260,073	4,008,896	30,012
ガラス製品工業	12,254	-	12,254	5,035	7,219
鉄鋼業	6,230,938	386,172	5,844,766	3,857,179	23,192
非鉄金属地金工業	273,714	43,167	230,547	36,606	180

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年11月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費 Consumptions	販売電力(売電) Shipment	Industry
Generation by own power station				
水 力 Hydraulic	そ の 他 Other			
148,698	629,319	14,561,970	2,034,343	Total
19,045	3,034	968,655	99,514	Duplication adjustment
23,276	5,060	1,982,135	272,370	Pulp,Paper,Paperboard industry
47,846	82,172	2,932,675	463,948	Chemical products industry
-	563	404,684	70,267	Chemical fibers products industry
...	25,166	828,963	433,119	Petroleum products industry
19,045	72,089	1,345,874	203,274	Ceramics,clay and stone products industry
3,184	7	104,517	49	Glass products industry
77	424,996	5,296,984	672,104	Iron and steel products industry
	(炉頂圧) 233,071			
74,315	19,061	411,911	15,762	Non-ferrous metals products industry
...	3,239	2,222,882	2,964	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam その 他 Other	消 費 Consumptions				払 出 Shipment	Industry
	計 Total	生産工程用 for Production	自家発電用 for Private Power generation	その他用 Other		
4,974,531	38,691,895	18,462,606	17,684,685	2,544,604	2,067,926	Total
31,378	3,147,746	921,592	2,225,302	852	74,284	Duplication adjustment
48,008	11,755,705	5,305,769	6,150,061	299,875	90,333	Pulp,Paper,Paperboard industry
1,990,504	12,193,252	7,464,412	4,223,910	504,930	1,370,988	Chemical products industry
8,044	1,605,354	843,829	726,777	34,748	29,776	Chemical fibers products industry
580,032	5,838,981	3,206,204	2,263,216	369,561	314,444	Petroleum products industry
221,165	4,185,590	782,797	3,371,168	31,625	80,522	Ceramics,clay and stone products industry
-	12,254	10,959	-	1,295	-	Glass products industry
1,964,395	5,980,690	1,647,898	3,140,559	1,192,233	250,248	Iron and steel products industry
193,761	267,815	122,330	34,296	111,189	5,899	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(November, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	585,064	572,943	185,799	246,843	140,301	2,892	9,229	107,194
石 油 系 燃 料 (原 油 換 算)	〃	24,734	23,471	20,227	3,035	209	805	459	3,589
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	397	349	29	318	2	29	19	84
軽 油	〃	293	261	150	62	49	6	26	7
重 油 計	〃	16,595	15,480	14,863	533	84	711	404	2,928
A 重 油	〃	678	271	-	190	81	3	404	442
B・C 重 油	〃	15,917	15,209	14,863	343	3	708	-	2,486
炭 化 水 素 油	〃	1,478	1,478	1,478	-	-	-	-	-
液 化 石 油 ガ ス	t	1,356	1,347	8	1,318	21	3	6	285
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	1,766	1,766	1,502	264	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,338	1,338	1,123	170	45	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	9,203	9,055	1,516	6,590	949	64	84	7,634
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	403	403	403	-	-	-	-	-
天 然 ガ ス	1000m ³	153	153	-	153	-	-	-	-
液 化 天 然 ガ ス	t	1,504	1,504	683	595	226	-	-	79
都 市 ガ ス (A)	1000m ³	5,465	5,334	-	4,799	535	55	76	6,510
都 市 ガ ス (B) (注 2)	〃	5,987	5,848	-	5,255	593	60	79	7,083
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	563	563	563	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 力	1000kWh	1,982,135	1,899,231	507,733	902,897	488,601	11,230	71,674	404,684
蒸 気	t	5,305,769	5,262,392	1,690,135	2,216,787	1,355,470	14,166	29,211	843,829

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	840,428	817,252	267,095	360,062	190,095	3,469	19,706	151,587
石 油 系 燃 料 (原 油 換 算)	〃	70,692	67,593	35,676	25,700	6,217	933	2,165	35,327
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	576	525	77	407	41	31	21	122
軽 油	〃	311	265	150	63	52	6	40	11
重 油 計	〃	50,424	47,775	25,081	17,105	5,589	790	1,859	15,477
A 重 油	〃	5,118	4,046	430	2,988	628	59	1,014	1,336
B・C 重 油	〃	45,306	43,730	24,651	14,117	4,962	731	846	14,141
炭 化 水 素 油	〃	4,724	4,606	2,916	1,690	-	-	118	14
液 化 石 油 ガ ス	t	1,862	1,818	8	1,789	21	38	6	321
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	7,722	7,722	4,647	3,075	-	-	-	21,094
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,750	1,709	1,323	281	105	-	41	-
非 石 油 系 燃 料 (原 油 換 算)	kl	725,704	707,622	225,417	310,376	171,829	1,593	16,490	94,410
石 炭	t	323,291	322,686	96,680	140,563	85,443	339	267	89,739
石 炭 コ ー ク ス	〃	403	403	403	-	-	-	-	-
天 然 ガ ス	1000m ³	5,900	5,899	1,618	3,789	492	-	-	-
液 化 天 然 ガ ス	t	8,132	7,917	683	1,167	6,067	216	-	1,069
都 市 ガ ス (A)	1000m ³	63,151	57,572	302	20,258	37,012	855	4,724	27,985
都 市 ガ ス (B) (注 2)	〃	68,099	62,069	331	21,460	40,278	871	5,159	30,487
回 収 黒 液	絶乾(Dry)t	831,212	808,883	357,454	406,304	45,125	153	22,176	-
廃 材	〃	164,490	160,586	38,706	53,341	68,539	174	3,730	-
廃 タ イ ヤ	t	16,841	16,303	6,143	6,832	3,328	-	538	-
廃 プ ラ ス チ ッ ク	〃	4,416	4,413	1,535	2,701	177	-	3	-
R P F	〃	49,627	48,290	11,030	18,296	18,964	5	1,332	-
電 力	1000kWh	426,168	407,517	64,527	217,081	125,909	7,350	11,302	165,654
蒸 気	t	63,478	59,727	-	54,849	4,878	3,751	-	93,181

注1. 原油換算値は38.2MJ/lである。

注2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年11月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
32,967	712	73,515	941,898	938,778	3,120	40,952	39,883	1,069	Total (Crude petroleum equivalent)
984	13	2,591	628,678	628,598	80	4,247	4,155	92	Oil based fuels (Crude petroleum equivalent)
1	-	4	9	6	3	-	-	-	Gasoline
-	-	-	19,971	19,971	-	-	-	-	Naphtha
63	-	21	89	86	3	7	5	2	Kerosene
2	-	5	53	16	37	2	2	-	Gas oils
842	-	2,086	22,939	22,939	-	3,483	3,393	90	Heavy Fuel oil total
2	-	440	4,160	4,160	-	246	156	90	Heavy Fuel oil A
840	-	1,646	18,779	18,779	-	3,237	3,237	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
10	10	265	13,686	13,686	-	59	59	-	Liquefied petroleum gas
-	-	-	431,898	431,869	29	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	403	403	-	Reproduction oil (Oil origin)
447	7	7,179	14,490	14,490	-	26,225	26,064	162	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,265	5,265	-	-	-	-	Natural gas
79	-	-	6,157	6,157	-	4,874	4,874	-	Liquefied natural gas
288	6	6,216	5	5	-	16,795	16,656	139	Town gas(A)
316	7	6,760	5	5	-	18,207	18,055	152	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
112,280	3,916	288,488	828,963	804,047	24,916	104,517	95,752	8,765	Electricity
305,126	4,741	533,962	3,206,204	3,195,755	10,449	10,959	10,959	-	Steam
40,669	892	110,027	1,005,796	999,262	6,534	42,602	41,532	1,069	Total (Crude petroleum equivalent)
9,176	317	25,834	932,449	927,114	5,336	4,249	4,157	92	Oil based fuels (Crude petroleum equivalent)
1	-	4	9	6	3	-	-	-	Gasoline
-	-	-	19,971	19,971	-	-	-	-	Naphtha
63	-	59	3,015	2,977	38	9	7	2	Kerosene
2	-	9	53	16	37	2	2	-	Gas oils
4,706	94	10,677	106,894	105,355	1,540	3,483	3,393	90	Heavy Fuel oil total
358	78	900	21,559	21,310	250	246	156	90	Heavy Fuel oil A
4,349	16	9,776	85,335	84,045	1,290	3,237	3,237	-	Heavy Fuel oil B・C
13	-	1	10,617	10,617	-	-	-	-	Hydrocarbon oil
10	10	301	21,595	21,595	-	59	59	-	Liquefied petroleum gas
-	-	-	553,669	552,048	1,621	-	-	-	Hydrocarbon gas
4,685	242	16,167	27,651	26,344	1,307	-	-	-	Petroleum coke
-	-	-	5,956	5,611	345	-	-	-	Asphalt
-	-	-	-	-	-	403	403	-	Reproduction oil (Oil origin)
19,060	68	75,281	31,118	31,022	97	29,427	29,265	162	Non-oil based fuels (Crude petroleum equivalent)
20,308	-	69,431	19,719	19,719	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,292	5,292	-	-	-	-	Natural gas
926	-	142	8,222	8,222	-	5,427	5,427	-	Liquefied natural gas
3,493	59	24,433	332	249	83	18,878	18,739	139	Town gas(A)
3,818	64	26,605	363	273	91	20,485	20,333	152	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
74,880	3,120	87,653	210,879	204,708	6,171	95,950	87,185	8,765	Electricity
79,082	3,134	10,965	327,139	319,498	7,641	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(November, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry		Petrochemical products	
			化学工業製品	石油化学製品	原料用 as Materials	動力・燃料用等 For driving power, fuels.
合 計 (原 油 換 算)	kl	6,096,199	5,151,746	4,994,690	3,991,458	1,003,232
石 油 系 燃 料 (原 油 換 算)	"	4,594,587	4,539,200	4,504,868	3,988,774	516,094
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	47,444	47,444	47,444	47,444	-
ガソリン	"	18	2	2	...	2
ナフサ	"	2,572,423	2,563,844	2,563,844	2,563,844	-
改質生成油	"	1,398,378	1,398,378	1,398,378	1,398,378	...
灯油	"	31,012	28,018	28,018	27,904	114
軽油	"	8,559	8,288	8,288	8,287	1
重油	"	60,969	51,719	51,719	49,990	1,729
A重油	"	1,814	370	370	-	370
B・C重油	"	59,155	51,349	51,349	49,990	1,359
炭化水素油	"	37,086	34,582	34,582	25,550	9,032
液化石油ガス	t	346,969	329,822	329,784	312,801	16,983
石油系炭化水素ガス	1000m³	372,070	368,709	368,225	1,848	366,377
オイルコークス	t	45,686	39,179	78	78	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	197	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	712,854	36,479	26,369	2,684	23,685
石炭	t	805,222	18	-	-	-
石炭コークス	"	13,585	2,760	-	...	-
タール	"	38,435	-	-	-	-
コークス炉ガス	1000m³	93,084	966	68	-	68
高炉ガス	"	103,522	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	14,282	7,025	6,962	-	6,962
液化天然ガス	t	15,095	10,320	9,197	1,899	7,298
都市ガス(A)	1000m³	19,587	7,604	4,953	...	4,953
都市ガス(B)	"	20,781	8,131	5,356	...	5,356
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	6,743	3,903	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	2,932,675	1,934,825	1,054,607	...	1,054,607
蒸 気	t	7,464,412	5,730,263	5,285,639	...	5,285,639

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,302,237	5,174,425	4,962,512	3,991,458	971,054
石 油 系 燃 料 (原 油 換 算)	"	4,816,888	4,719,235	4,671,270	3,988,774	682,496
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	47,444	47,444	47,444	47,444	-
ガソリン	"	18	2	2	-	2
ナフサ	"	2,572,423	2,563,844	2,563,844	2,563,844	-
改質生成油	"	1,398,378	1,398,378	1,398,378	1,398,378	-
灯油	"	31,045	28,045	28,044	27,904	140
軽油	"	8,560	8,289	8,289	8,287	2
重油	"	101,890	84,529	82,780	49,990	32,790
A重油	"	5,752	3,129	2,611	-	2,611
B・C重油	"	96,138	81,400	80,169	49,990	30,179
炭化水素ガス	"	79,893	76,329	76,222	25,550	50,672
液化石油ガス	t	351,226	334,012	333,917	312,801	21,116
石油系炭化水素ガス	1000m³	443,221	424,303	421,116	1,848	419,268
オイルコークス	t	83,871	63,528	15,089	78	15,011
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	2,111	1,914	1,914	-	1,914
非 石 油 系 燃 料 (原 油 換 算)	kl	1,188,669	235,301	116,839	2,684	114,155
石炭	t	1,250,108	195,323	54,215	-	54,215
石炭コークス	"	13,585	2,760	-	-	-
タール	"	38,435	-	-	-	-
コークス炉ガス	1000m³	96,434	1,908	300	-	300
高炉ガス	"	103,522	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	39,427	14,701	8,777	-	8,777
液化天然ガス	t	34,259	26,774	23,259	1,899	21,360
都市ガス(A)	1000m³	116,469	32,951	28,328	-	28,328
都市ガス(B)	"	125,301	34,378	29,493	-	29,493
廃プラスチック	t	8,465	6,989	6,093	-	6,093
廃プラスチック	"	6,743	3,903	-	-	-
RPF	"	1,517	1,517	1,517	-	1,517
電 力	1000kWh	1,438,955	986,654	559,959	-	559,959
蒸 気	t	2,355,620	1,853,357	1,769,552	-	1,769,552

(令和3年11月)

(化学工業製品 Chemicals products industry)					Kind of energy
Ammonia and ammonia-derived products			ソーダ工業製品	その他の製品	
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels	Soda products	Others	
62,085	37,913	24,173	94,970	944,453	Total (Crude petroleum equivalent)
34,332	33,645	687	-	55,387	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	...	-	-	16	Gasoline
-	-	-	-	8,579	Naphtha
-	...	...	...	-	Oil produced by conversion
-	-	-	-	2,994	Kerosene
-	-	-	-	271	Gas oils
-	-	-	-	9,250	Heavy Fuel oil total
-	-	-	-	1,444	Heavy Fuel oil A
-	-	-	-	7,806	Heavy Fuel oil B・C
-	-	-	-	2,504	Hydrocarbon oil
38	-	38	-	17,147	Liquefied petroleum gas
484	-	484	-	3,361	Hydrocarbon gas
39,101	39,101	-	-	6,507	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	197	Reproduction oil (Oil origin)
7,849	4,267	3,582	2,261	676,375	Non-oil based fuels (Crude petroleum equivalent)
18	18	-	-	805,204	Coal
-	...	-	2,760	10,825	Coal coke
-	-	-	-	38,435	Tar
898	-	898	-	92,118	Coke oven gas
-	-	-	-	103,522	Blast furnace gas
-	-	-	-	-	Converter furnace gas
-	-	-	63	7,257	Natural gas
1,123	920	203	-	4,775	Liquefied natural gas
2,537	...	2,537	114	11,983	Town gas(A)
2,659	...	2,659	116	12,651	Town gas(B)
-	-	-	-	-	Used tires
3,903	3,903	-	-	2,840	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
63,373	...	63,373	816,845	997,850	Electricity
202,669	...	202,669	241,955	1,734,149	Steam
66,276	37,913	28,363	145,637	1,127,813	Total (Crude petroleum equivalent)
40,563	33,645	6,918	7,402	97,653	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	Crude petroleum
-	-	-	-	-	Natural gas liquids
-	-	-	-	16	Gasoline
-	-	-	-	8,579	Naphtha
-	-	-	-	-	Oil produced by conversion
-	-	-	1	2,999	Kerosene
-	-	-	-	271	Gas oils
550	-	550	1,199	17,361	Heavy Fuel oil total
7	-	7	511	2,623	Heavy Fuel oil A
543	-	543	689	14,738	Heavy Fuel oil B・C
25	-	25	81	3,563	Hydrocarbon oil
38	-	38	57	17,214	Liquefied petroleum gas
3,180	-	3,180	6	18,918	Hydrocarbon gas
41,493	39,101	2,392	6,947	20,343	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	197	Reproduction oil (Oil origin)
19,622	4,267	15,354	98,841	953,368	Non-oil based fuels (Crude petroleum equivalent)
9,758	18	9,740	131,350	1,054,785	Coal
-	-	-	2,760	10,825	Coal coke
-	-	-	-	38,435	Tar
1,608	-	1,608	-	94,527	Coke oven gas
-	-	-	-	103,522	Blast furnace gas
-	-	-	-	-	Converter furnace gas
3,632	-	3,632	2,292	24,726	Natural gas
1,653	920	733	1,862	7,485	Liquefied natural gas
2,621	-	2,621	2,002	83,519	Town gas(A)
2,747	-	2,747	2,138	90,923	Town gas(B)
-	-	-	896	1,475	Used tires
3,903	3,903	-	-	2,840	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel
38,117	-	38,117	388,578	452,301	Electricity
36,821	-	36,821	46,984	502,263	Steam

(November, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合計 (原油換算)	kl	623,284	485,391	395,227	339,539	55,688
石油系燃料 (原油換算)	"	131,422	120,707	79,313	77,997	1,317
ガソリン	"	25	17	10	...	10
灯油	"	1,227	772	308	274	34
軽油	"	1,045	594	479	195	284
重油計	"	30,440	28,194	2,163	1,445	718
A重油	"	1,867	1,294	472	377	95
B・C重油	"	28,573	26,900	1,691	1,068	623
炭化水素油	"	16,164	16,164	15,284	15,124	160
液化石油ガス	t	1,607	338	-	-	-
オイルコークス	"	56,441	52,465	45,512	45,512	-
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	28,037	25,738	20,490	20,429	61
非石油系燃料 (原油換算)	kl	312,556	305,509	264,756	261,543	3,213
石炭	t	358,804	356,933	342,810	342,143	667
石炭コークス	"	14,007	9,238	150	150	-
コークス炉ガス	1000m ³	24,565	24,565	140	-	140
高炉ガス	"	2,126	2,126	98	-	98
転炉ガス	"	18,358	18,358	3,697	-	3,697
電気炉ガス	"	998	998	-	-	-
天然ガス	"	1,443	1,443	-	-	-
液化天然ガス	t	116	116	-	-	-
都市ガス (A)	1000m ³	6,749	5,881	2,191	497	1,694
都市ガス (B)	"	7,346	6,407	2,319	544	1,775
廃材	絶乾(Dry)t	125	125	125	125	-
廃タイヤ	t	5,875	5,875	5,875	5,875	-
廃プラスチック	"	34,910	33,305	32,551	32,551	-
RPF	"	2,520	2,520	525	525	-
電	力 1000kWh	1,345,874	586,766	516,958	...	516,958
蒸	気 t	782,797	66,415	44,398	...	44,398

2) 一次投入燃料換算表

Conversion table for primary input fuel

合計 (原油換算)	kl	747,627	529,252	439,553	339,539	100,013
石油系燃料 (原油換算)	"	146,567	135,369	93,246	77,997	15,249
ガソリン	"	25	17	10	-	10
灯油	"	1,365	910	308	274	34
軽油	"	1,045	594	479	195	284
重油計	"	31,556	28,966	2,357	1,445	912
A重油	"	2,407	1,823	579	377	202
B・C重油	"	29,149	27,143	1,778	1,068	710
炭化水素油	"	16,164	16,164	15,284	15,124	160
液化石油ガス	t	1,607	338	-	-	-
オイルコークス	"	72,537	68,428	61,470	45,512	15,958
アスファルト	"	-	-	-	-	-
再生油 (石油由来)	kl	28,037	25,738	20,490	20,429	61
非石油系燃料 (原油換算)	kl	565,512	368,824	327,724	261,543	66,181
石炭	t	717,387	442,528	428,184	342,143	86,041
石炭コークス	"	14,007	9,238	150	150	-
コークス炉ガス	1000m ³	24,565	24,565	140	-	140
高炉ガス	"	2,126	2,126	98	-	98
転炉ガス	"	18,358	18,358	3,697	-	3,697
電気炉ガス	"	998	998	-	-	-
天然ガス	"	9,207	6,197	4,693	-	4,693
液化天然ガス	t	116	116	-	-	-
都市ガス (A)	1000m ³	7,108	5,999	2,191	497	1,694
都市ガス (B)	"	7,698	6,526	2,319	544	1,775
廃材	絶乾(Dry)t	125	125	125	125	-
廃タイヤ	t	8,463	6,155	6,150	5,875	275
廃プラスチック	"	34,910	33,305	32,551	32,551	-
RPF	"	2,520	2,520	525	525	-
電	力 1000kWh	377,660	268,281	199,751	-	199,751
蒸	気 t	6,039	1,511	19	-	19

(令和3年11月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		3,702			
	熔解窯用 For dissolving furnaces	その他用 for Others		21,744	25,447	
				64,717	137,894	Total (Crude petroleum equivalent)
				23,975	10,714	Oil based fuels (Crude petroleum equivalent)
2	...	2	5	8	Gasoline	
21	-	21	443	455	Kerosene	
2	-	2	113	451	Gas oils	
15,705	15,659	46	10,326	2,246	Heavy Fuel oil total	
46	-	46	776	573	Heavy Fuel oil A	
15,659	15,659	-	9,550	1,673	Heavy Fuel oil B・C	
-	-	-	880	-	Hydrocarbon oil	
337	259	78	1	1,269	Liquefied petroleum gas	
-	-	-	6,953	3,976	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	5,248	2,299	Reproduction oil (Oil origin)	
4,889	4,496	393	35,864	7,048	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	14,123	1,871	Coal	
-	-	-	9,088	4,769	Coal coke	
-	-	-	24,425	-	Coke oven gas	
-	-	-	2,028	-	Blast furnace gas	
-	-	-	14,661	-	Converter furnace gas	
-	-	-	998	-	Electric furnace gas	
771	771	-	672	-	Natural gas	
51	-	51	65	-	Liquefied natural gas	
3,357	3,070	287	333	868	Town gas(A)	
3,738	3,436	302	350	939	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	-	-	Used tires	
-	-	-	754	1,605	Waste plastic	
-	-	-	1,995	-	Refuse Paper & Plastic Fuel	
27,768	...	27,768	42,040	759,108	Electricity	
8,039	...	8,039	13,978	716,382	Steam	
25,056	21,744	3,312	64,643	218,375	Total (Crude petroleum equivalent)	
17,530	17,249	281	24,593	11,198	Oil based fuels (Crude petroleum equivalent)	
2	-	2	5	8	Gasoline	
77	-	77	525	455	Kerosene	
2	-	2	113	451	Gas oils	
15,758	15,659	99	10,851	2,590	Heavy Fuel oil total	
46	-	46	1,198	584	Heavy Fuel oil A	
15,712	15,659	53	9,653	2,006	Heavy Fuel oil B・C	
-	-	-	880	-	Hydrocarbon oil	
337	259	78	1	1,269	Liquefied petroleum gas	
-	-	-	6,958	4,108	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	5,248	2,299	Reproduction oil (Oil origin)	
4,964	4,496	468	36,136	196,689	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	14,344	274,859	Coal	
-	-	-	9,088	4,769	Coal coke	
-	-	-	24,425	-	Coke oven gas	
-	-	-	2,028	-	Blast furnace gas	
-	-	-	14,661	-	Converter furnace gas	
-	-	-	998	-	Electric furnace gas	
771	771	-	733	3,010	Natural gas	
51	-	51	65	-	Liquefied natural gas	
3,425	3,070	355	383	1,108	Town gas(A)	
3,809	3,436	373	398	1,172	Town gas(B)	
-	-	-	-	-	Waste material	
-	-	-	5	2,307	Used tires	
-	-	-	754	1,605	Waste plastic	
-	-	-	1,995	-	Refuse Paper & Plastic Fuel	
27,443	-	27,443	41,087	109,379	Electricity	
144	-	144	1,348	4,528	Steam	

(November, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,355,835	4,864,721	348,143	5,511	2,580,312	73,759	305,954	165,116	
石 油 系 燃 料 (原 油 換 算)	〃	155,967	93,207	-	27	30,705	2,747	7,096	5,109	
ガ ソ リ ン	〃	132	42	-	-	-	-	-	-	
灯 油	〃	7,582	7,423	-	-	-	57	768	42	
軽 油	〃	2,089	1,716	-	-	3	52	143	142	
重 油 計	〃	29,029	28,919	-	25	-	2,219	1,197	-	
A 重 油	〃	12,946	12,836	-	-	-	512	1,053	-	
B・C 重 油	〃	16,083	16,083	-	25	-	1,707	144	-	
炭 化 水 素 油	〃	8,201	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	19,187	18,056	-	-	-	152	3,849	3,808	
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	96,247	35,681	-	-	35,681	-	-	-	
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	117	117	-	-	-	84	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,293,731	3,921,923	315,125	4,692	2,497,489	50,671	145,570	110,452	
コークス製造用炭(原料炭)	t	3,130,870	292,625	-	-	292,625	-	-	-	
石 炭	〃	1,188,488	1,188,488	90,462	2,564	791,103	39,813	36,230	32,058	
石 炭 コ ー ク ス	〃	2,271,516	2,258,973	321,748	3,737	1,881,047	29,483	18,624	5,007	
タ ー ク ル	〃	9,433	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	774,420	616,966	21,866	309	81,772	263	29,795	28,652	
高 炉 ガ ス	〃	5,842,845	4,524,433	8,550	-	2,179,552	118	716	649	
転 炉 ガ ス	〃	328,047	284,485	1,407	-	83,014	220	1,322	1,198	
電 気 炉 ガ ス	〃	9,447	9,447	-	-	-	1,100	-	-	
天 然 ガ ス	〃	2,186	2,181	-	-	-	-	231	-	
液 化 天 然 ガ ス	t	31,230	31,218	-	-	67	181	482	6	
都 市 ガ ス (A)	1000m ³	175,532	169,305	388	-	3,900	150	8,810	2,460	
都 市 ガ ス (B)	〃	191,911	185,098	425	-	4,270	164	9,629	2,700	
酸 素	1000Nm ³	861,864	861,626	...	...	368,776	4,403	432,241	360,585
廢 材 絶 乾 (Dry) t	t	2,429	2,429	-	-	-	-	-	-	
廢 タ イ ヤ	t	244	244	-	-	-	-	244	244	
廢 プ ラ ス チ ッ ク	〃	19,593	2,541	-	-	2,064	72	405	405	
R P F	〃	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,296,984	4,965,850	344,680	7,561	407,616	216,551	1,450,840	361,606	
蒸 気	気 t	5,980,890	5,608,271	13,818	1,285	205,443	2,836	265,126	230,286	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,714,485	4,217,654	358,177	6,524	2,600,978	78,903	325,193	179,799
石 油 系 燃 料 (原 油 換 算)	〃	151,706	88,000	570	65	32,755	5,689	8,640	6,342
ガ ソ リ ン	〃	132	42	-	-	-	-	-	-
灯 油	〃	7,559	7,400	-	-	-	57	835	42
軽 油	〃	2,089	1,716	-	-	3	52	143	142
重 油 計	〃	25,182	24,768	279	25	1,127	4,862	2,067	624
A 重 油	〃	11,977	11,808	1	-	1	611	1,398	100
B・C 重 油	〃	13,204	12,961	279	25	1,125	4,252	669	524
炭 化 水 素 油	〃	8,201	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	19,066	17,454	207	29	643	224	4,287	4,246
石 油 系 炭 化 水 素 ガ ス	1000m ³	5	5	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	96,247	35,681	-	-	35,681	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	117	117	-	-	-	84	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,163,855	3,757,647	334,421	6,321	2,541,420	56,178	193,246	150,020
コークス製造用炭(原料炭)	t	3,130,870	292,625	-	-	292,625	-	-	-
石 炭	〃	1,106,127	1,090,837	94,609	3,049	804,795	41,019	60,376	49,520
石 炭 コ ー ク ス	〃	2,271,516	2,258,973	321,748	3,737	1,881,047	29,483	18,624	5,007
タ ー ク ル	〃	9,433	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	745,404	579,401	28,421	639	93,819	1,087	40,464	38,811
高 炉 ガ ス	〃	5,347,057	3,856,885	114,118	11,601	2,420,004	29,132	196,076	193,157
転 炉 ガ ス	〃	305,102	256,447	6,876	201	91,187	725	11,142	10,286
電 気 炉 ガ ス	〃	9,447	7,999	-	-	-	7,782	-	-
天 然 ガ ス	〃	2,186	2,181	-	-	-	-	231	-
液 化 天 然 ガ ス	t	30,214	30,042	129	-	195	181	989	228
都 市 ガ ス (A)	1000m ³	169,982	161,927	2,076	13	7,563	183	13,061	4,555
都 市 ガ ス (B)	〃	185,868	177,054	2,273	14	8,277	200	14,283	4,992
酸 素	1000Nm ³	861,864	861,626	...	...	368,776	4,403	432,241	360,585
廢 材 絶 乾 (Dry) t	t	1,111	1,111	-	-	-	-	-	-
廢 タ イ ヤ	t	244	244	-	-	-	-	244	244
廢 プ ラ ス チ ッ ク	〃	19,593	2,541	-	-	2,064	72	405	405
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	4,001,485	3,756,202	245,509	698	274,247	181,342	1,297,004	226,769
蒸 気	気 t	386,172	326,857	5,038	1,068	18,699	2,425	38,410	33,888

(令和3年11月)

(鉄鋼製品 Iron and steel products)							コークス Coke	その他の製品 Others	Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others				
140,838	17,009	4,821	511,189	753,139	264,885	2,449,940	41,174	Total	
								(Crude petroleum equivalent)	
1,987	2,460	2,119	13,967	21,537	12,549	60,618	2,142	Oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	1	-	41	-	90	Gasoline	
726	552	943	3,339	177	1,587	2	157	Kerosene	
1	50	10	9	-	1,449	25	348	Gas oils	
1,197	1,747	468	4,977	15,400	2,886	-	110	Heavy Fuel oil total	
1,053	1,747	464	4,136	2,162	2,762	-	110	Heavy Fuel oil A	
144	-	4	841	13,238	124	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	8,201	-	Hydrocarbon oil	
41	104	578	4,428	3,784	5,161	-	1,131	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	60,566	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
35,118	9,909	1,023	342,023	481,031	74,390	2,358,975	12,834	Non-oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	-	-	-	2,838,241	4	Coal for making coke (material coal)	
4,172	-	-	-	228,316	-	...	-	Coal	
13,617	-	3	-	-	4,331	12,127	416	Coal coke	
-	-	-	-	-	-	9,433	-	Tar	
1,143	594	22	341,261	110,680	30,404	152,737	4,717	Coke oven gas	
67	405	-	127,363	2,084,868	122,861	1,317,663	749	Blast furnace gas	
124	747	-	94,342	98,130	5,303	27,122	16,440	Converter furnace gas	
-	-	-	-	8,347	-	-	-	Electric furnace gas	
231	156	-	1,296	267	231	-	5	Natural gas	
476	1,612	165	20,518	4,124	4,069	-	12	Liquefied natural gas	
6,350	5,925	623	85,001	40,108	24,400	743	5,484	Town gas(A)	
6,929	6,488	682	92,816	43,836	26,788	814	5,999	Town gas(B)	
71,656	320	281	10,673	...	44,932	...	238	Oxygen	
-	-	-	-	2,429	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	17,052	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,089,234	49,133	17,373	1,358,152	133,449	980,495	165,328	165,806	Electricity	
34,840	1,008	911	417,513	3,445,477	1,254,854	216,553	155,866	Steam	
145,393	17,127	4,832	554,894	-	271,025	2,445,456	51,375	Total	
								(Crude petroleum equivalent)	
2,298	2,461	2,124	18,418	-	17,280	60,967	2,739	Oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	1	-	41	-	90	Gasoline	
793	552	943	3,343	-	1,670	2	157	Kerosene	
1	50	10	9	-	1,449	25	348	Gas oils	
1,443	1,747	473	8,137	-	6,051	197	216	Heavy Fuel oil total	
1,298	1,747	469	4,439	-	3,141	1	169	Heavy Fuel oil A	
144	-	4	3,698	-	2,910	196	48	Heavy Fuel oil B・C	
-	-	-	-	-	-	8,201	-	Hydrocarbon oil	
41	104	578	5,245	-	6,136	106	1,506	Liquefied petroleum gas	
-	-	-	5	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	60,566	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
43,226	10,095	1,043	441,144	-	173,779	2,371,669	34,539	Non-oil based fuels	
								(Crude petroleum equivalent)	
-	-	-	-	-	-	2,838,241	4	Coal for making coke (material coal)	
10,856	-	-	51,057	-	35,932	2,369	12,921	Coal	
13,617	-	3	-	-	4,331	12,127	416	Coal coke	
-	-	-	-	-	-	9,433	-	Tar	
1,653	594	22	360,340	-	54,016	157,513	8,490	Coke oven gas	
2,919	406	-	500,382	-	585,164	1,385,885	104,287	Blast furnace gas	
856	747	-	117,853	-	27,717	30,725	17,930	Converter furnace gas	
-	-	-	-	-	217	-	1,448	Electric furnace gas	
231	156	-	1,534	-	260	-	5	Natural gas	
761	1,745	165	21,367	-	5,270	110	62	Liquefied natural gas	
8,506	5,925	642	96,648	-	35,817	1,920	6,135	Town gas(A)	
9,291	6,487	701	105,549	-	39,270	2,102	6,712	Town gas(B)	
71,656	320	281	10,673	...	44,932	...	238	Oxygen	
-	-	-	508	-	603	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	17,052	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
1,070,235	48,394	17,292	978,471	-	713,246	123,464	121,819	Electricity	
4,522	1,000	822	62,376	-	197,019	19,305	40,010	Steam	

(November, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry								
		非鉄金属 地金工業	Non-ferrous metals					鉛	Lead	
			非鉄金属地金	銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process	溶錬工程 Fusing and mixing process		電解工程 Electrolytic process	
合計 (原油換算)	kl	90,690	79,334	22,963	16,411	6,553	7,463	6,788	674	
石油系燃料 (原油換算)	"	18,272	15,935	4,302	4,302	1	875	519	356	
ガソリン	"	3	3	-	-	-	-	-	-	
灯油	"	1,368	292	72	71	1	-	-	-	
軽油	"	278	101	2	2	-	-	-	-	
重油計	"	9,572	8,959	3,311	3,311	-	711	442	269	
A重油	"	5,624	5,019	1,160	1,160	-	711	442	269	
B・C重油	"	3,948	3,940	2,151	2,151	-	-	-	-	
炭化水素油	"	3,600	3,191	401	401	-	-	-	-	
液化石油ガス	t	441	357	254	254	-	1	-	1	
オイルコークス	"	87	87	-	-	-	87	87	-	
アスファルト	"	-	-	-	-	-	-	-	-	
再生油 (石油由来)	kl	2,331	2,331	-	-	-	81	-	81	
非石油系燃料 (原油換算)	kl	25,645	25,270	2,783	2,783	-	5,430	5,430	-	
石炭	t	3,495	3,495	3,310	3,310	-	172	172	-	
石炭コークス	"	16,351	16,337	396	396	-	6,131	6,131	-	
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-	
高炉ガス	"	26,982	26,982	-	-	-	7,157	7,157	-	
電気炉ガス	"	-	-	-	-	-	-	-	-	
天然ガス	"	-	-	-	-	-	-	-	-	
液化天然ガス	t	2,087	2,087	180	180	-	42	42	-	
都市ガス (A)	1000m ³	4,989	4,675	-	-	-	-	-	-	
都市ガス (B)	"	5,270	4,926	-	-	-	-	-	-	
廃タイヤ	t	-	-	-	-	-	-	-	-	
廃プラスチック	"	-	-	-	-	-	-	-	-	
R P F	"	-	-	-	-	-	-	-	-	
電蒸	力気 1000kWh t	411,911 122,330	340,085 93,950	119,901 68,340	67,755 43,731	52,146 24,609	11,256 1,600	7,911 1,497	3,345 103	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	85,768	74,721	18,207	13,065	5,141	7,524	6,848	676
石油系燃料 (原油換算)	"	19,152	16,617	4,593	4,525	68	897	540	356
ガソリン	"	3	3	-	-	-	-	-	-
灯油	"	1,368	292	72	71	1	-	-	-
軽油	"	278	101	2	2	-	-	-	-
重油計	"	10,433	9,624	3,587	3,523	64	732	463	269
A重油	"	6,288	5,505	1,260	1,230	30	732	463	269
B・C重油	"	4,145	4,119	2,327	2,293	34	-	-	-
炭化水素油	"	3,600	3,191	401	401	-	-	-	-
液化石油ガス	t	441	357	254	254	-	1	-	1
オイルコークス	"	87	87	-	-	-	87	87	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,331	2,331	-	-	-	81	-	81
非石油系燃料 (原油換算)	kl	27,254	26,385	2,783	2,783	-	5,645	5,645	-
石炭	t	3,495	3,495	3,310	3,310	-	172	172	-
石炭コークス	"	16,351	16,337	396	396	-	6,131	6,131	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	40,621	36,616	-	-	-	9,299	9,299	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,166	2,143	180	180	-	54	54	-
都市ガス (A)	1000m ³	5,192	4,800	-	-	-	-	-	-
都市ガス (B)	"	5,495	5,065	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力気 1000kWh t	391,069 43,167	324,393 22,334	108,096 11,205	59,887 2,691	48,210 8,514	10,462 128	7,117 7	3,345 121

(令和3年11月)

(非鉄金属地金 Non-ferrous metals)							Kind of energy
亜鉛	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others	
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc					
25,254	15,944	9,310	9,221	12,289	2,145	11,356	Total (Crude petroleum equivalent)
1,016	466	550	1,982	7,448	311	2,337	Oil based fuels (Crude petroleum equivalent)
1	1	-	2	-	-	-	Gasoline
7	7	-	160	47	6	1,076	Kerosene
9	9	-	14	75	1	177	Gas oils
971	424	547	1,665	2,160	141	613	Heavy Fuel oil total
692	145	547	359	1,956	141	605	Heavy Fuel oil A
279	279	-	1,306	204	-	8	Heavy Fuel oil B・C
-	-	-	-	2,790	-	409	Hydrocarbon oil
2	2	-	34	59	7	84	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
-	-	-	-	2,102	148	-	Reproduction oil (Oil origin)
10,146	2,121	8,025	2,956	3,740	214	376	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	13	-	Coal
9,802	1,860	7,942	-	-	8	14	Coal coke
-	-	-	-	-	-	-	Coke oven gas
19,825	783	19,042	-	-	-	-	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
631	407	224	238	861	135	-	Liquefied natural gas
67	67	-	2,221	2,380	7	314	Town gas(A)
75	75	-	2,467	2,376	8	344	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
144,254	139,849	4,405	45,810	11,823	7,041	71,826	Electricity
9,747	5,027	4,720	303	-	13,960	28,380	Steam
25,464	15,968	9,496	9,235	12,288	2,005	11,046	Total (Crude petroleum equivalent)
1,309	692	617	1,982	7,448	389	2,535	Oil based fuels (Crude petroleum equivalent)
1	1	-	2	-	-	-	Gasoline
7	7	-	160	47	6	1,076	Kerosene
9	9	-	14	75	1	177	Gas oils
1,262	648	614	1,665	2,160	218	809	Heavy Fuel oil total
983	369	614	359	1,956	215	783	Heavy Fuel oil A
279	279	-	1,306	204	3	26	Heavy Fuel oil B・C
-	-	-	-	2,790	-	409	Hydrocarbon oil
2	2	-	34	59	7	84	Liquefied petroleum gas
-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	Asphalt
-	-	-	-	2,102	148	-	Reproduction oil (Oil origin)
10,971	2,269	8,702	2,957	3,740	289	869	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	13	-	Coal
9,802	1,860	7,942	-	-	8	14	Coal coke
-	-	-	-	-	-	-	Coke oven gas
26,607	823	25,784	-	-	710	4,005	Blast furnace gas
-	-	-	-	-	-	-	Electric furnace gas
-	-	-	-	-	-	-	Natural gas
670	407	263	238	861	139	23	Liquefied natural gas
188	188	-	2,221	2,380	11	392	Town gas(A)
211	211	-	2,467	2,375	12	430	Town gas(B)
-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
141,740	139,830	1,911	45,810	11,823	6,461	66,676	Electricity
-	-	-	505	-	10,495	20,833	Steam

(November, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合計（原油換算）	kl	284,525	209,989	3,710	5,568	23,359
石油系燃料（原油換算）	〃	17,167	10,315	604	1,387	261
ガソリン	〃	4,278	2,398	-	1	2
灯油	〃	1,947	978	24	209	35
軽油	〃	2,346	538	267	4	1
重油計	〃	2,358	1,643	3	1,130	41
A重油	〃	2,358	1,643	3	1,130	41
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	5,378	3,972	244	38	142
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	60,578	39,446	807	574	938
石炭	t	-	-	-	-	-
石炭コークス	〃	1,579	1,579	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	687	687	-	-	-
液化天然ガス	t	3,652	1,230	-	121	-
都市ガス（A）	1000m ³	46,090	30,850	691	346	802
都市ガス（B）	〃	50,355	33,681	760	379	884
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,222,882	1,722,461	24,707	38,785	238,219

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計（原油換算）	kl	331,203	248,566	3,781	6,174	28,829
石油系燃料（原油換算）	〃	19,284	12,414	605	1,404	1,271
ガソリン	〃	4,278	2,398	-	1	2
灯油	〃	1,974	1,004	24	227	43
軽油	〃	2,373	562	267	4	5
重油計	〃	2,729	2,005	4	1,130	42
A重油	〃	2,729	2,005	4	1,130	42
B・C重油	〃	-	-	-	-	-
炭化水素油	〃	1	-	-	-	-
液化石油ガス	t	6,685	5,276	244	38	913
石油系炭化水素ガス	1000m ³	-	-	-	-	-
オイルコークス	t	-	-	-	-	-
アスファルト	〃	-	-	-	-	-
再生油（石油由来）	kl	-	-	-	-	-
非石油系燃料（原油換算）	kl	126,493	93,500	951	1,413	7,054
石炭	t	-	-	-	-	-
石炭コークス	〃	1,579	1,579	-	-	-
コークス炉ガス	1000m ³	-	-	-	-	-
高炉ガス	〃	-	-	-	-	-
転炉ガス	〃	-	-	-	-	-
天然ガス	〃	2,652	2,646	-	-	906
液化天然ガス	t	8,124	4,491	-	177	174
都市ガス（A）	1000m ³	95,526	71,594	813	1,000	5,114
都市ガス（B）	〃	104,438	78,214	895	1,095	5,474
廃タイヤ	t	-	-	-	-	-
廃プラスチック	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	1,993,324	1,533,504	23,926	36,088	220,417

(令和3年11月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
60,027	4,423	112,902	74,536	Total (Crude petroleum equivalent)
516	23	7,525	6,852	Oil based fuels (Crude petroleum equivalent)
4	-	2,391	1,880	Gasoline
-	4	706	969	Kerosene
-	-	266	1,808	Gas oils
139	1	329	715	Heavy Fuel oil total
139	1	329	715	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
288	14	3,246	1,406	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,350	203	35,573	21,132	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	1,579	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	686	-	Natural gas
-	-	1,109	2,422	Liquefied natural gas
1,152	173	27,686	15,240	Town gas(A)
1,270	191	30,196	16,675	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
625,233	45,114	750,403	500,421	Electricity
70,889	4,436	134,457	82,636	Total (Crude petroleum equivalent)
1,223	23	7,889	6,870	Oil based fuels (Crude petroleum equivalent)
4	-	2,391	1,880	Gasoline
-	4	706	970	Kerosene
-	-	286	1,811	Gas oils
452	1	376	724	Heavy Fuel oil total
452	1	376	724	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
591	14	3,476	1,409	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
17,219	231	66,633	32,992	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
-	-	1,579	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
1	-	1,739	6	Natural gas
-	-	4,139	3,633	Liquefied natural gas
14,757	197	49,714	23,932	Town gas(A)
16,212	217	54,321	26,224	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
563,817	44,959	644,296	459,820	Electricity

(November, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	13,643	-	648,105	4,238	5,237
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	5
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	43
板 ガ ラ ス Sheet Glass	...	-	-	-	30
石 灰 Lime	...	-	-	-	191
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	-
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	193
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	28

注1. 原油にはNGL・コンデンセートを含む。

2. 石炭コークスにはピッチコークスを含む。

(令和3年11月)

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
10,020	1,331	23,460	81,969	22,733	65,662	-
-	122	591	409	97,286	20,931	-
-	848	1,688	13	13,852	276,863	1,187
14	2,176	11,966	-	121,342	612,211	220
-	81	14,109	93	-	-	-
20	1,161	5,126	-	5,823	14,508	8,559
-	480	3,131	36	-	2,308	25
-	270	-	-	39	42	2,067
1	418	111	0	-	-	3,542
1	72	129	6	-	-	-
9	203	100	8	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(November, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry
 Hokkaido Bureau of Economy, Trade and Industry

1) 北海道経済産業局管内

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	455,359	-	93,881	2,124	-
石 油 系 燃 料 (原 油 換 算)	"	53,696	-	12,418	1,109	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	257	-	188	-	-
軽 油	"	79	-	-	-	-
A 重 油	"	2,833	-	20	2	-
B ・ C 重 油	"	19,689	-	10,367	-	-
炭 化 水 素 油	"	418	-	418	-	-
液 化 石 油 ガ ス	t	1,654	-	218	855	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	18,276	-	-	-	-
オ イ ル コ ー ク ス	t	2,877	-	359	-	-
ア ス フ ェ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	122	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	380,748	-	76,556	301	-
石 炭 コ ー ク ス	t	318,645	-	65,473	-	-
コ ー ク ス 炉 ガ ス	1000m ³	72,551	-	403	-	-
高 炉 ガ ス	"	44,867	-	-	-	-
液 化 天 然 ガ ス	"	290,956	-	-	-	-
都 市 ガ ス (B)	t	3,217	-	82	213	-
回 収 黒 液	1000m ³	-	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	73,612	-	73,612	...	...
R P F	t	4,750	-	-	-	-
	"	1,273	-	1,273	-	-
電 力	1000kWh	421,496	-	197,498	6,828	-
う ち 購 入 分	"	131,575	-	29,464	6,828	-
蒸 気	t	2,405,140	-	1,175,158	6,828	-
う ち 受 入 分	"	94,197	-	-	1,144	-

2) 東北経済産業局管内

Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	459,635	-	139,641	113,955	177
石 油 系 燃 料 (原 油 換 算)	"	186,438	-	11,340	99,758	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	2	-	-	-	-
改 質 生 成 油	"	3,925	-	-	-	-
灯 油	"	96,111	-	-	96,111	-
軽 油	"	1,126	-	27	-	-
A 重 油	"	201	-	6	-	-
B ・ C 重 油	"	5,257	-	446	608	-
炭 化 水 素 油	"	11,682	-	7,578	-	-
液 化 石 油 ガ ス	"	3,087	-	1,934	-	-
石 油 系 炭 化 水 素 ガ ス	t	10,690	-	110	8,756	-
オ イ ル コ ー ク ス	1000m ³	45,560	-	-	3,125	-
ア ス フ ェ ル ト	t	2,964	-	397	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
	kl	562	-	185	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	231,664	-	124,013	10,697	-
石 炭 コ ー ク ス	t	189,484	-	77,490	14,436	-
コ ー ク ス 炉 ガ ス	"	12,396	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	"	43,229	-	-	-	-
都 市 ガ ス (B)	t	6,168	-	-	680	-
回 収 黒 液	1000m ³	1,256	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	129,087	-	129,087	...	...
R P F	t	6,136	-	269	-	-
	"	10,034	-	10,034	-	-
電 力	1000kWh	763,424	-	282,272	42,961	784
う ち 購 入 分	"	404,225	-	46,096	18,685	784
蒸 気	t	2,306,816	-	1,740,965	176,205	1,500
う ち 受 入 分	"	43,938	-	-	25,479	1,500

(令和3年11月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
34,742	32,245	-	288,544	-	3,824	Total (Crude petroleum equivalent)
33,849	1,022	-	5,226	-	73	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	2	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	4	-	65	-	-	Kerosene
-	8	-	71	-	-	Gas oils
-	574	-	2,233	-	4	Heavy Fuel oil A
9,040	282	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
18,276	-	-	528	-	53	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	2,518	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	122	-	-	-	-	Reproduction oil (Oil origin)
-	30,261	-	270,402	-	3,227	Non-oil based fuels (Crude petroleum equivalent)
-	40,486	-	212,686	-	-	Coal
-	150	-	71,998	-	-	Coal coke
-	171	-	44,696	-	-	Coke oven gas
-	-	-	290,956	-	-	Blast furnace gas
-	-	-	639	-	2,283	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	3,484	-	1,266	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
19,959	40,222	-	140,992	-	15,997	Electricity
9,597	10,345	-	69,701	-	5,640	among those purchased
160,145	116,545	-	946,464	-	...	Steam
-	-	-	93,053	-	...	among those accepted
61,978	33,990	1,693	68,906	30,776	8,520	Total (Crude petroleum equivalent)
61,978	2,999	232	6,234	2,870	1,026	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	2	Gasoline
3,925	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	8	5	284	138	664	Kerosene
-	135	1	13	44	2	Gas oils
4	118	224	1,970	1,593	294	Heavy Fuel oil A
720	-	-	3,354	30	-	Heavy Fuel oil B・C
-	438	-	-	715	-	Hydrocarbon oil
1,465	-	1	271	9	78	Liquefied petroleum gas
42,435	-	-	-	-	-	Hydrocarbon gas
-	2,480	-	-	87	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	148	-	-	229	-	Reproduction oil (Oil origin)
-	27,905	324	49,326	16,569	2,831	Non-oil based fuels (Crude petroleum equivalent)
-	33,709	-	60,565	3,284	-	Coal
-	-	-	1,338	11,058	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	43,229	-	Blast furnace gas
-	-	229	3,895	1,364	-	Liquefied natural gas
-	-	-	-	143	1,113	Town gas(B)
...	...	...	...	...	...	Black liquor
-	5,867	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
38,604	40,766	12,180	172,562	118,295	55,000	Electricity
4	33,171	9,045	143,466	102,846	50,128	among those purchased
200,337	41,677	-	11,603	134,529	...	Steam
-	-	-	-	16,959	...	among those accepted

(November, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,734,514	32,402	200,119	2,833,218	12,391
石 油 系 燃 料 (原 油 換 算)	"	2,967,146	4,014	8,620	2,499,962	147
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,139	6	1	8	2
改 質 生 成 油	"	1,509,655	-	-	1,507,890	-
灯 質 生 成 油	"	481,886	-	-	481,886	-
軽 油	"	22,882	104	72	17,708	-
A 重 油	"	10,894	208	37	8,499	-
B ・ C 重 油	"	7,934	415	1,657	141	-
炭 化 水 素 油	"	74,570	36	6,177	13,041	-
液 化 石 油 ガ ス	t	62,972	-	-	44,589	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	238,789	18	25	219,134	112
オ イ ル コ ー ク ス	t	524,367	-	-	279,023	-
ア ス フ ァ ル ト	"	58,217	3,751	-	51,017	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
	kl	10,972	-	140	2,111	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,444,036	20,194	176,327	200,952	12,094
石 炭 コ ー ク ス	t	1,403,554	12,567	24,604	12,567	-
コ ー ク ス 炉 ガ ス	1000m ³	707,934	3,860	-	3,860	-
高 炉 ガ ス	"	233,377	-	-	2,677	-
液 化 天 然 ガ ス	t	1,849,940	-	-	-	-
都 市 ガ ス (B)	1000m ³	23,273	-	5,292	12,528	-
回 収 黒 液	絶乾(Dry)t	284,159	-	48,560	106,789	11,388
廃 プ ラ ス チ ッ ク	t	113,384	-	113,384	...	...
R P F	"	26,090	-	345	3,903	-
	"	23,743	-	21,317	-	-
電 力	1000kWh	3,902,575	97,384	448,709	1,023,350	27,800
う ち 購 入 分	"	2,405,868	57,885	146,888	642,537	1,611
蒸 気	t	10,915,514	77,631	2,148,951	4,305,460	61,406
う ち 受 入 分	"	1,324,669	15,007	21,820	1,004,426	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,703,492	5,826	131,088	494,501	12,706
石 油 系 燃 料 (原 油 換 算)	"	652,357	90	14,032	427,062	1,826
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,717	8	1	1	-
改 質 生 成 油	"	203,574	-	-	198,486	-
灯 質 生 成 油	"	142,747	-	-	142,747	-
軽 油	"	5,006	48	17	16	75
A 重 油	"	983	11	49	6	4
B ・ C 重 油	"	22,380	27	262	553	822
炭 化 水 素 油	"	26,599	-	7,235	2,887	750
液 化 石 油 ガ ス	t	24,302	-	2,556	16,159	19
石 油 系 炭 化 水 素 ガ ス	1000m ³	37,430	-	127	30,349	74
オ イ ル コ ー ク ス	t	88,774	-	-	30,823	-
ア ス フ ァ ル ト	"	104,630	-	3,582	36,796	-
再 生 油 (石 油 由 来)	kl	2,617	-	-	-	-
	kl	10,771	-	1	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	881,003	4,676	110,091	48,083	5,604
石 炭 コ ー ク ス	t	458,315	-	9,503	38,197	-
コ ー ク ス 炉 ガ ス	1000m ³	225,194	-	-	-	-
高 炉 ガ ス	"	79,900	-	-	-	-
液 化 天 然 ガ ス	t	897,705	-	-	-	-
都 市 ガ ス (B)	1000m ³	23,201	-	2,048	15,435	159
回 収 黒 液	絶乾(Dry)t	98,608	4,403	2,669	476	5,065
廃 プ ラ ス チ ッ ク	t	185,265	-	185,265	...	...
R P F	"	8,841	-	3,926	-	-
	"	9,417	-	9,337	-	-
電 力	1000kWh	2,414,521	14,159	249,205	255,457	58,638
う ち 購 入 分	"	1,661,185	11,402	58,791	99,583	47,547
蒸 気	t	4,021,141	-	1,412,984	1,072,502	60,484
う ち 受 入 分	"	202,864	-	21,643	144,161	12,343

(令和3年11月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
457,006	122,042	13,357	2,033,347	14,636	80,799	Total (Crude petroleum equivalent)
406,747	26,861	1,667	16,278	3,129	7,751	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
5	10	-	37	3	1,079	Gasoline
1,765	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
3,483	124	-	776	43	780	Kerosene
17	695	1	430	63	1,360	Gas oils
2,767	424	22	1,224	1,130	984	Heavy Fuel oil A
40,968	10,239	1,456	2,231	494	-	Heavy Fuel oil B・C
12,772	1,100	-	4,052	459	-	Hydrocarbon oil
14,194	14	55	2,332	37	2,904	Liquefied petroleum gas
245,339	-	-	5	-	-	Hydrocarbon gas
-	6,026	-	4,925	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	7,920	-	-	801	-	Reproduction oil (Oil origin)
19,784	81,555	9,663	1,925,247	2,818	35,790	Non-oil based fuels (Crude petroleum equivalent)
20,145	67,040	-	1,291,765	-	-	Coal
-	7,792	-	697,000	1,860	1,282	Coal coke
-	10,415	-	220,285	-	-	Coke oven gas
-	-	-	1,849,940	-	-	Blast furnace gas
-	51	2,077	859	161	2,305	Liquefied natural gas
363	2,665	6,335	77,205	1,127	29,728	Town gas(B)
...	...	...	...	...	...	Black liquor
-	12,630	-	9,212	-	-	Waste plastic
-	2,426	-	-	-	-	Refuse Paper & Plastic Fuel
338,925	207,448	24,441	1,381,694	89,907	457,685	Electricity
111,638	127,342	21,785	973,775	37,647	400,530	among those purchased
2,378,038	199,493	2,305	1,889,709	7,783	...	Steam
290,649	144	-	17,924	4,713	...	among those accepted
115,495	48,743	5,122	751,208	11,950	138,505	Total (Crude petroleum equivalent)
110,678	28,189	1,301	61,096	4,155	4,108	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,712	Gasoline
5,088	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	459	3	4,379	13	92	Kerosene
30	81	-	455	43	326	Gas oils
18,680	49	1	1,385	342	313	Heavy Fuel oil A
7,022	6,568	813	233	1,091	-	Heavy Fuel oil B・C
-	3,952	-	-	1,616	-	Hydrocarbon oil
644	-	-	4,659	103	1,474	Liquefied petroleum gas
57,951	-	-	-	-	-	Hydrocarbon gas
-	7,496	-	56,756	-	-	Petroleum coke
2,617	-	-	-	-	-	Asphalt
-	9,622	403	-	745	-	Reproduction oil (Oil origin)
1,360	16,872	2,905	637,898	3,006	59,861	Non-oil based fuels (Crude petroleum equivalent)
-	11,720	-	398,895	-	-	Coal
-	712	-	223,601	881	-	Coal coke
-	3,497	-	76,403	-	-	Coke oven gas
-	-	-	897,705	-	-	Blast furnace gas
962	-	458	3,689	-	450	Liquefied natural gas
-	4,023	2,125	31,614	2,209	54,829	Town gas(B)
...	...	...	...	...	...	Black liquor
-	1,589	-	3,326	-	-	Waste plastic
-	80	-	-	-	-	Refuse Paper & Plastic Fuel
114,295	56,816	9,855	739,353	37,310	907,751	Electricity
20,540	39,508	9,855	559,558	35,939	801,266	among those purchased
855,674	68,846	481	550,170	-	...	Steam
22,370	97	-	2,250	-	...	among those accepted

(November, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	1,819,064	33,175	45,126	615,777	61,155
石油系燃料(原油換算)	"	510,650	253	801	367,478	1,313
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	540	1	1	8	2
改 質 生 成 油	"	187,022	-	-	186,344	-
灯 油	"	101,215	-	-	101,215	-
軽 油	"	539	2	1	45	-
A 重 油	"	876	252	14	27	7
B・C 重 油	"	2,737	-	60	-	789
炭 化 水 素 油	"	66,922	-	-	54,672	472
液 化 石 油 ガ ス	t	12,034	-	-	3,917	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	34,167	2	9	29,475	1
オ イ ル コ ー ク ス	t	93,731	-	-	13,404	-
ア ス フ ァ ル ト	"	1,436	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,167	-	687	-	-
非石油系燃料(原油換算)	kl	1,191,401	23,948	42,172	228,581	51,688
石 炭 コ ー ク ス	t	839,249	16,845	11,850	285,487	45,645
コ ー ク ス 炉 ガ ス	1000m ³	280,789	-	-	-	-
高 炉 ガ ス	"	126,153	-	-	17,337	-
液 化 天 然 ガ ス	t	1,045,308	-	-	103,522	-
都 市 ガ ス (B)	1000m ³	20,765	2,067	-	3,226	322
回 収 黒 液	絶乾(Dry)t	134,059	9,102	20,408	12,090	19,255
廃 プ ラ ス チ ッ ク	t	19,499	-	19,499	...	...
R P F	"	855	-	-	-	-
	"	764	-	750	-	-
電 力	1000kWh	1,796,397	128,972	88,785	206,677	166,971
う ち 購 入 分	"	1,039,289	96,467	23,144	130,077	80,176
蒸 気	t	3,366,430	177,770	473,832	686,898	562,840
う ち 受 入 分	"	294,062	-	-	110,211	10,061

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,555,108	274,527	101,162	1,367,922	50,695
石油系燃料(原油換算)	"	1,333,438	5,411	13,713	1,004,453	23,875
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	104	91	-	1	1
改 質 生 成 油	"	459,478	-	-	450,963	-
灯 油	"	337,655	-	-	337,655	-
軽 油	"	14,403	317	44	12,611	47
A 重 油	"	553	54	14	6	-
B・C 重 油	"	10,773	241	190	2,266	58
炭 化 水 素 油	"	95,789	3,804	8,772	28,392	8,200
液 化 石 油 ガ ス	t	39,444	-	-	34,852	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	60,687	486	-	53,145	134
オ イ ル コ ー ク ス	t	224,477	-	-	105,531	-
ア ス フ ァ ル ト	"	115,223	-	3,910	39,101	17,132
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		1,188	-	604	-	-
非石油系燃料(原油換算)	kl	2,038,007	264,219	84,722	310,334	24,762
石 炭 コ ー ク ス	t	1,678,715	381,052	17,209	419,552	32,804
コ ー ク ス 炉 ガ ス	1000m ³	587,733	3,725	-	3,428	-
高 炉 ガ ス	"	194,906	-	-	1,309	-
液 化 天 然 ガ ス	t	1,174,256	-	-	-	-
都 市 ガ ス (B)	1000m ³	8,715	-	209	5,938	655
回 収 黒 液	絶乾(Dry)t	37,060	1,155	1,452	4,967	1,613
廃 プ ラ ス チ ッ ク	t	165,585	-	165,585	...	...
R P F	"	2,029	836	43	836	-
	"	7,832	-	6,315	1,517	-
電 力	1000kWh	2,909,596	720,710	183,812	1,070,582	77,269
う ち 購 入 分	"	1,570,835	38,401	29,318	231,205	10,377
蒸 気	t	8,959,456	2,892,345	1,246,795	4,833,020	542,570
う ち 受 入 分	"	543,088	19,172	-	457,574	15,804

(令和3年11月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
124,087	53,869	22,552	885,073	4,491	40,108	Total
112,471	19,459	1,046	4,192	1,168	2,975	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	4	-	-	-	526	(Crude petroleum equivalent)
678	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
3	120	1	109	74	188	Naphtha
4	15	-	454	35	572	Oil produced by conversion
107	266	-	134	871	510	Kerosene
4,536	6,157	968	117	-	-	Gas oils
-	8,117	-	-	-	-	Heavy Fuel oil A
785	324	-	2,587	8	980	Heavy Fuel oil B・C
80,327	-	-	-	-	-	Hydrocarbon oil
-	1,436	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	2,277	-	32	171	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
9,979	31,618	16,971	815,245	2,652	16,444	Non-oil based fuels
-	40,432	-	472,680	-	-	(Crude petroleum equivalent)
-	525	-	280,264	-	-	Coal
-	1,846	-	106,970	-	-	Coal coke
-	1,322	-	940,464	-	-	Coal oven gas
7,060	-	2,945	6,447	418	2,414	Blast furnace gas
-	1,077	12,060	64,059	1,941	12,271	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	783	-	72	-	-	Black liquor
-	14	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
80,517	62,410	54,663	1,032,091	7,218	226,037	Electricity
17,538	29,996	48,752	576,536	7,127	222,410	among those purchased
451,834	290,551	9,468	1,067,684	1,093	...	Steam
82	21	-	173,687	-	...	among those accepted
258,245	298,521	77	1,702,977	9,889	40,147	Total
253,426	11,237	-	27,297	2,360	2,487	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
2	-	-	90	-	101	(Crude petroleum equivalent)
8,515	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
27	449	-	1,103	224	215	Naphtha
2	36	-	361	92	96	Oil produced by conversion
252	487	-	5,550	1,281	930	Kerosene
40,059	3,875	-	9,581	714	-	Gas oils
-	442	-	4,149	-	-	Heavy Fuel oil A
2,360	300	-	4,333	-	1	Heavy Fuel oil B・C
118,946	-	-	-	-	-	Hydrocarbon oil
49,674	5,406	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	Petroleum coke
-	584	-	-	-	-	Asphalt
-	-	-	-	-	-	Reproduction oil (Oil origin)
437	283,453	-	1,580,914	1,694	15,910	Non-oil based fuels
-	401,924	-	1,188,278	-	-	(Crude petroleum equivalent)
-	3,913	-	581,666	2,154	297	Coal
-	4,927	-	188,670	-	-	Coal coke
-	804	-	1,173,452	-	-	Coal oven gas
309	65	-	1,476	-	63	Blast furnace gas
-	78	-	15,912	75	14,118	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	836	-	1,150	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
184,569	706,909	828	1,061,773	64,753	279,811	Electricity
36,679	38,365	828	967,973	60,684	233,807	among those purchased
1,364,391	2,776,152	-	1,048,882	39,991	...	Steam
14,038	3,788	-	68,306	2,750	...	among those accepted

(November, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	734,598	-	177,107	425,116	28,102
石 油 系 燃 料 (原 油 換 算)	"	218,120	-	8,383	159,620	11,509
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	9	-	4	-	-
改 質 生 成 油	"	262	-	-	262	-
灯 油	"	135,575	-	-	135,575	-
軽 油	"	1,187	-	3	263	-
A 重 油	"	251	-	194	-	-
B ・ C 重 油	"	3,711	-	2,074	6	-
炭 化 水 素 油	"	25,573	-	3,839	10,788	7,022
液 化 石 油 ガ ス	t	2,578	-	-	107	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	9,149	-	1,373	3,741	-
オ イ ル コ ー ク ス	t	33,153	-	-	17,150	-
ア ス フ ァ ル ト	"	9,959	-	-	2,179	4,561
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		328	-	170	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	463,011	-	163,182	236,424	15,537
石 炭 コ ー ク ス	t	498,596	-	149,242	272,429	21,378
コ ー ク ス 炉 ガ ス	1000m ³	15,430	-	-	6,297	-
高 炉 ガ ス	"	39,879	-	-	39,879	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,269	-	1,890	377	-
回 収 黒 液	絶乾(Dry)t	1,198	-	144	-	1,054
廃 プ ラ ス チ ッ ク	t	134,916	-	134,916	...	...
R P F	"	33	-	33	-	-
	"	9,303	-	9,303	-	-
電 力	1000kWh	882,587	-	399,525	167,987	59,098
う ち 購 入 分	"	389,967	-	44,701	156,835	11,035
蒸 気	t	3,909,039	-	2,753,494	295,416	323,502
う ち 受 入 分	"	248,707	-	20,015	209,526	421

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,026,143	993	54,332	619,769	5,244
石 油 系 燃 料 (原 油 換 算)	"	516,647	302	5,909	369,469	264
原 ガ ソ リ 油	"	47,444	-	...	47,444	...
ナ フ サ	"	858	-	-	-	-
改 質 生 成 油	"	228,478	-	-	228,478	-
灯 油	"	103,189	-	-	103,189	-
軽 油	"	2,230	306	287	422	-
A 重 油	"	358	6	1	22	-
B ・ C 重 油	"	5,081	-	532	3,372	-
炭 化 水 素 油	"	17,326	-	4,283	1,818	244
液 化 石 油 ガ ス	t	4,595	-	-	4,141	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	15,845	6	-	10,154	-
オ イ ル コ ー ク ス	t	34,735	-	-	13,017	-
ア ス フ ァ ル ト	"	79,055	-	499	-	-
再 生 油 (石 油 由 来)	kl	12,990	-	-	-	-
		7,721	-	45	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,368,071	-	45,877	210,692	-
石 炭 コ ー ク ス	t	1,128,861	-	29,012	276,588	-
コ ー ク ス 炉 ガ ス	1000m ³	407,829	-	-	-	-
高 炉 ガ ス	"	176,459	-	-	35,354	-
液 化 天 然 ガ ス	t	690,328	-	-	-	-
都 市 ガ ス (B)	1000m ³	15,439	-	-	894	-
回 収 黒 液	絶乾(Dry)t	11,688	-	103	2,665	-
廃 プ ラ ス チ ッ ク	t	66,066	-	66,066	...	...
R P F	"	16,292	-	-	2,004	-
	"	-	-	-	-	-
電 力	1000kWh	1,471,374	7,430	132,329	158,833	14,124
う ち 購 入 分	"	1,143,801	7,430	27,367	113,166	14,124
蒸 気	t	2,808,359	-	803,526	816,923	53,052
う ち 受 入 分	"	489,092	-	-	403,099	53,052

(令和3年11月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
26,267	45,139	-	15,776	11,107	5,986	Total
26,265	5,999	-	2,218	3,791	335	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	3	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	115	-	45	751	10	Kerosene
-	54	-	2	1	-	Gas oils
-	394	-	63	988	186	Heavy Fuel oil A
2,210	730	-	-	984	-	Heavy Fuel oil B・C
-	1,661	-	-	810	-	Hydrocarbon oil
2,154	-	-	1,630	146	105	Liquefied petroleum gas
16,003	-	-	-	-	-	Hydrocarbon gas
-	3,219	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	158	-	-	-	-	Reproduction oil (Oil origin)
-	38,311	-	8,061	340	1,156	Non-oil based fuels
-	55,336	-	-	211	-	(Crude petroleum equivalent)
-	868	-	8,001	264	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	184	-	818	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
23,719	55,106	-	63,409	65,397	48,346	Electricity
26	8,907	-	59,089	61,054	48,320	among those purchased
150,851	308,436	-	29,871	47,469	...	Steam
-	-	-	-	18,745	...	among those accepted
53,098	156,014	241	1,102,788	4,638	31,013	Total
51,716	51,387	4	33,427	1,817	2,958	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	856	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	86	-	821	125	795	Kerosene
-	21	-	303	-	17	Gas oils
138	116	-	387	202	334	Heavy Fuel oil A
7,772	1,793	-	567	849	-	Heavy Fuel oil B・C
-	454	-	-	-	-	Hydrocarbon oil
877	969	3	2,847	138	863	Liquefied petroleum gas
21,718	-	-	-	-	-	Hydrocarbon gas
-	46,508	-	32,048	-	-	Petroleum coke
12,990	-	-	-	-	-	Asphalt
-	7,206	-	85	385	-	Reproduction oil (Oil origin)
-	97,887	-	1,006,633	437	6,545	Non-oil based fuels
-	128,772	-	694,489	-	-	(Crude petroleum equivalent)
-	47	-	407,648	134	-	Coal
-	3,709	-	137,396	-	-	Coal coke
-	-	-	690,328	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	14,041	238	266	Liquefied natural gas
-	-	-	3,116	-	5,804	Town gas(B)
...	...	...	...	...	...	Black liquor
-	9,721	-	4,567	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
28,375	176,197	2,550	705,110	29,031	232,255	Electricity
14,857	70,981	2,550	651,332	25,631	231,223	among those purchased
277,711	383,890	-	436,307	36,950	...	Steam
-	1,989	-	30,952	-	...	among those accepted

(November, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。

石油等消費動態統計月報

Monthly Report of the Current Survey of Energy Consumption

令和3年12月分
December, 2021

経済産業省資源エネルギー庁
長官官房総務課

Policy Planning and Coordination Division
Commissioner's Secretariat
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI)

目 次

利用上の注意

1. エネルギー消費量の推移	18
2. 種別統計	
(1) 業種別エネルギー消費	20
1) 固有単位表	20
2) 熱量単位表	20
(2) 燃料受払	
1) 燃料種別表	24
① 固有単位表	24
② 熱量単位表	24
2) 業種別表	
① パルプ・紙・板紙工業	26
② 化学繊維工業	26
③ 石油製品工業	28
④ ガラス製品工業	28
⑤ 化学工業	30
⑥ 窯業・土石製品工業	30
⑦ 鉄鋼業	32
⑧ 非鉄金属地金工業	34
⑨ 機械工業	34
(3) 電力受払	36
(4) 蒸気受払	36
3. 指定生産品目別統計	
(1) 指定生産品目別エネルギー消費	
1) 直接投入エネルギー表	38
2) 一次投入燃料換算表	38
(2) 指定生産品目別燃料在庫	50
4. 地域別統計	
経済産業局別業種別エネルギー消費	
1) 北海道経済産業局管内	52
2) 東 北 "	52
3) 関 東 "	54
4) 中 部 "	54
5) 近 畿 "	56
6) 中 国 "	56
7) 四 国 "	58
8) 九 州 "	58

Notes for Utilization

1. Trends of energy consumption	18
2. Statistics by type kind of energy	
(1) Energy consumption by industry	20
1) Table of original units	20
2) Table of energy units	20
(2) Fuel input/output	
1) Table for type kind of energy	24
① Table of original unit	24
② Table of energy unit	24
2) Tables for individual industry	
① Pulp,paper,paper board industry	26
② Chemical fiber industry	26
③ Petroleum products industry	28
④ Glass products industry	28
⑤ Chemical industry	30
⑥ Ceramic, stone and clay product industry	30
⑦ Iron and steel industry	32
⑧ Non-ferrous metals industry	34
⑨ Machinery industry	34
(3) Electricity input and output	36
(4) Steam input and output	36
3. Statistics by specific products	
(1) Energy consumption by specific product	
1) Table in original units (Table of direct input energy, conversion table for primary input fuel)	38
2) Table in energy units (Table of direct input energy, conversion table for primary input fuel)	38
(2) Fuel inventory by specific product	50
4. Regional statistics	
Energy consumption in each regional Bureau of Economy, Trade and Industry, by industry	
1) Hokkaido Bureau of Economy, Trade and Industry	52
2) Tohoku Bureau of Economy, Trade and Industry	52
3) Kanto Bureau of Economy, Trade and Industry	54
4) Chubu Bureau of Economy, Trade and Industry	54
5) Kansai Bureau of Economy, Trade and Industry	56
6) Chugoku Bureau of Economy, Trade and Industry	56
7) Shikoku Bureau of Economy, Trade and Industry	58
8) Kyushu Bureau of Economy, Trade and Industry	58

利用上の注意

この月報は、統計法に基づく経済産業省特定業種石油等消費統計調査規則により実施された石油等消費動態統計調査（基幹統計調査）に関する月次の調査結果を編集公表するものです。

本統計調査の概要、統計表の作成方法及び統計表の見方は、以下のとおりです。

I 石油等消費動態統計調査の概要

1. 調査の目的

この調査は、工業における石油等の消費の動態を明らかにし、石油等の消費に関する施策の基礎資料を得ることを目的としています。

2. 調査対象事業所

この調査の対象事業所は、経済産業省生産動態統計調査（基幹統計調査）の対象事業所のうち、第1表に掲げる9業種に属する事業所です。なお、業種によっては従事者規模による裾切りを行っています。

3. エネルギーの調査範囲

エネルギーの調査範囲は、対象事業所の構内で使用したエネルギー（自家発生したもの及び原油、ナフサ等原料にも燃料にも使用され得るものを含む。）のうち、第2表に掲げるものです。

なお、石油系燃料とは第2表の区分の原油～再生油（石油由来）をいい、非石油系燃料とはコークス製造用炭（原料炭）～RPFをいいます。

4. 調査項目の定義

(1) 燃料（事業所ベース）

1) 受入

事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に受け入れた燃料（原料用を含む。）の総量です。

2) 発生・回収又は生産

事業所で発生・回収又は生産した燃料（原料用を含む。）の総量です。

3) 消費

事業所で使用した燃料（原料用を含む。）の総量です。ただし、燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料（原料用を含む。）から転換（例えば、石炭から石炭コークスに転換。）した分の合計の数量です。

① 「ボイラ用（暖厨房等専用のものを除く。）」とは、生産工

程用の一般ボイラ及び自家発電用ボイラで燃焼させた燃料の数量です。

② 「コージェネレーション用」とは、熱電力併給システムで使用した燃料の数量です。

③ 「ボイラ用及びコージェネレーション用以外」とは、①②以外の用途に使用した数量です。

(ア)「原料用」とは、燃焼を目的とせず、他の製品を生産するための原料として使用した数量です。

(イ)「直接加熱用」とは、溶鉱炉、転炉、溶解炉、均熱炉、加熱炉、窯業用炉、焼結炉、培焼炉、乾燥炉等の各種工業炉及びこれらの設備と類似の設備で燃焼させた燃料の数量です。

(ウ)「その他用」とは、「原料用」、「直接加熱用」以外の構内運搬、試運転・検査用、冷暖房用、厨房用及び自家発電用の内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等。）で使用した燃料の数量です。

なお、「原料用」を設けていない業種では、「その他用」に「原料用」消費を含んでいます。

4) 払出

事業所で次の事由によって払い出した燃料（原料用を含む。）の総量です。

①他企業へ販売したもの

②同一企業内の他の事業所へ払い出したもの

③他企業へ委託生産などにより払い出したもの

5) 月末在庫

調査期間の末日現在において、事業所及び事業所が契約の主体となって借り受けている倉庫又は保管場所に保管してある燃料（原料用を含む。）の総量です。

6) 「受入」、「在庫」等の調査項目の調査を行っていない業種

① 「石油製品工業」については、石油製品の在庫を生産者在庫と消費者在庫に分割する必要がないことから、「在庫」の項目の調査を行っていません。また、原油と石油製品の重複を避けるため、原油の「原料用消費」の項目の調査を行っていません。このほか、「受入」についても、当該事業所が燃料用として使用するために受け入れた種別についてのみ調査を行っています。

② 「化学工業」のうち石油化学製品を生産している事業所については、調査上の制約から「炭化水素油（副生油）」と「石油系炭化水素ガス（副生ガス）」の「受入」、「在庫」及

び「原料消費」並びに「液化石油ガス」の「在庫」の項目の調査を行っていません。

(2) 電力（事業所ベース）

1) 購入電力（買電）

事業所で電気事業者及び他企業から購入した電力量並びに同一企業内の他の事業所から受け入れた電力の総量です。

2) 自家発電

事業所で発電した発電端ベースの電力量です。「火力」は蒸気力で発電した電力量、「コージェネレーション」は熱電力併給システムの設備での発電、「水力」は水力発電、「その他」は太陽光発電、地熱発電、余熱・排熱発電、高炉炉頂圧発電、内燃機関（コージェネレーション用以外のディーゼル機関、ガスタービン等）などによる発電量です。

3) 消費

事業所で使用した電力量（変圧、変流によるロスを含む。）の総量です。

4) 販売電力（売電）

事業所で自家発電を行い、電気事業者及び他企業に販売した電力量並びに同一企業内の他の事業所に送電した電力量です。

(3) 蒸気（事業所ベース）

事業所全体の蒸気の発生、消費等の状況を 100°C 1 気圧の乾き飽和蒸気量に換算（2.675MJ/kg）した蒸気（以下同じ。）の総量です。

1) 受入

事業所で他企業及び同一企業内の他の事業所から受け入れた蒸気の総量です。

2) 蒸気発生

① 「一次蒸気」

事業所で生産工程用の一般ボイラ及び自家発電用ボイラで燃料を燃焼することによって発生させた一次蒸気（温水を含む。）の総量です。

② 「一次蒸気以外」

(ア)「コージェネレーション」とは、コージェネレーションの排熱回収装置（温水熱交換器、蒸気発生器）で、発生又は回収した蒸気量です。

(イ)「その他」とは、余熱・排熱回収ボイラで発生又は回収した蒸気量です。

3) 消費

事業所で受け入れた蒸気量及び発生させた蒸気量のうち事業

所で使用した蒸気量です〔受入蒸気量+自家発生蒸気量-払出蒸気量の数値となります〕。

① 「生産工程用」とは、駆動、乾燥、加熱、温度調整等のために生産工程に送り出した蒸気量です。なお、タービンから抽気等を行い、それを生産工程用に送り出している場合は、その蒸気量を含んでいます。

② 「自家発電用」とは、自家発電（火力）のために実際に使用した蒸気量です。

③ 「その他用」とは、ボイラ運転に伴う所内蒸気量、並びに暖房用等に使用した蒸気量です。

4) 払出

事業所で次の事由によって払い出した蒸気の総量です。

①他企業に販売したもの

②同一企業内の他の事業所に払い出したもの

(4) 部門別消費内訳（生産品目ベース）

部門別消費内訳とは、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のため直接使用している燃料（ボイラ用及びコージェネレーション用以外）、電力及び蒸気（生産工程用）のエネルギー種別毎の消費量（直接投入エネルギー消費量）です。ただし、鉄鋼業については事業所全体の消費量です。

なお、指定生産品目（群）に含まれる品目の範囲は、経済産業省生産動態統計調査（基幹統計調査）で定めている品目の範囲です。詳しくは同統計調査を参照してください。

II 統計表の作成方法と統計表の見方

統計表は、事業所ベースの業種別統計表（業種別エネルギー消費表、燃料受払表、電力受払表、蒸気受払表）と生産品目ベースの指定生産品目別統計表（直接投入エネルギー表、一次投入燃料換算表及び燃料在庫表）の2つから構成されています。

それぞれの統計表の作成方法及び見方は、以下のとおりです。

1. 業種別統計表（事業所ベース）

(1) 業種別統計表は、第1表に掲げる9調査対象業種に属する事業所について、9調査対象業種ごとに事業所ベース（事業所全体）の燃料、電力及び蒸気の消費量等をエネルギー種ごとに集計した結果です。換言すると、事業所ベースの消費量は、第1表の「指定生産品目」欄に掲げる品目以外の品目の生産のために消費したエネルギーを含む事業所全体の消費量です。

ただし、本統計調査では、調査対象業種を兼業している事業所があるため9調査対象業種を積み上げた全国計及び経済産業局別の計は、事業所の重複排除を行っており、この事業所の重複分は「重複事業所分補正量」としてそれぞれの表にマイナス計上しています。

- (2) 同統計表のうち、業種別エネルギー消費表と燃料受払表の燃料種別ごとの消費量は、調査対象事業所で他の事業所から受け入れた分と事業所内で他の燃料から転換（例えば、石炭から石炭コークスに転換。）した分の合計量です。

したがって、燃料消費量合計（原油換算値）は、この転換分だけ消費量が重複していますが、9調査対象業種計と化学工業、窯業・土石製品工業及び鉄鋼業の3業種については、調査対象事業所内で他の燃料からの転換分を排除したネットの消費量を掲載しています。

なお、ネットの消費量の算出方法は、燃料消費量合計（熱量換算ベース）から石炭コークス（ピッチコークスを含む）、タール、コークス炉ガス、高炉ガス、転炉ガス、電気炉ガス、酸素の7種類の発生・回収又は生産量（熱量換算ベース）を差し引くことによって求めています。

2. 指定生産品目別統計表（生産品目ベース）

- (1) 指定生産品目別統計表は、調査対象事業所で第1表の「指定生産品目」欄に掲げる品目の生産のために消費したエネルギー消費量をエネルギー種別ごとに集計した結果です。

ただし、本統計調査で指定した指定生産品目以外の品目の生産のために消費したエネルギー消費量については、原則として「その他の製品」として本統計表に含めて掲載していません。

- (2) 同統計表は、調査票の「部門別消費内訳」欄を単純集計した表（直接投入エネルギー表）と、調査対象事業所で自家発生蒸気、自家発電力の二次エネルギーに変換して使用している場合には当該事業所の一次投入燃料消費量ベースに換算して集計した表（一次投入燃料換算表）と、更に後者の集計結果に基づいて事業所ベースの主要燃料在庫を指定生産品目ベースに按分して集計した表の3つから構成されています。

1) 直接投入エネルギー表（調査票の単純集計表）

同統計表は、当該生産品目を生産するために実際に直接使用している燃料（鉄鋼業以外については、ボイラ用及びコージェネレーション用を除いたもの）、電力及び蒸気の消費量をエネルギー種別ごとに集計した結果です。

同統計表と燃料受払表、電力受払表及び蒸気受払表の関係は次のとおりです。

同統計表の「合計」欄の種別ごとの燃料消費量は、燃料受払表の「ボイラ用及びコージェネレーション用以外」燃料消費量「計」（なお、鉄鋼業については「ボイラ用」、「コージェネレーション用」燃料消費量を含んだ「合計」と、電力消費量は電力受払表の電力消費量「計」と、蒸気消費量は蒸気受払表の「生産工程用」蒸気消費量（機械工業については指定生産品目ベースの蒸気消費量の調査は行っていません。また、鉄鋼業については、「ボイラ用」と「コージェネレーション用」消費量を含んだ合計です。）とそれぞれ一致しています。したがって、電力消費量は購入分と自家発電分の合計から販売電力を差し引いた数量、蒸気消費量は「生産工程用」蒸気消費量の数量（鉄鋼業は事業所全体）です。

- 2) 一次投入燃料換算表（事業所の「ボイラ用」、「コージェネレーション用」燃料消費量ベースに換算して集計した表）

同統計表は、当該生産品目を生産するために使用している燃料、電力及び蒸気のうち、当該事業所内で燃料から変換している二次エネルギー（自家発生蒸気、自家発電電力（水力による自家発電電力を除く。））の消費分（二次エネルギーの外販分を除く。）を当該事業所の変換前の一次投入燃料（ボイラ用燃料、コージェネレーション用燃料）消費量ベースに燃料種別ごとに換算する一方、蒸気及び電力の消費量は購入分（又は受入分。）に換算してそれぞれ集計した結果です（なお、電力は購入分に水力による自家発電電力のうち自家使用分を含む。）。換算は、下記の方法で事業所ごとに行っています。

なお、機械工業については、電力消費量についてのみ事業所別に換算を行っています。

- ①ボイラ及びコージェネレーション向け一次投入燃料消費量の算出

$$\text{蒸気使用割合 (SU)} = \frac{\text{蒸気発生計} - \text{蒸気払出}}{\text{蒸気発生計}}$$

$$\text{ボイラ蒸気生産工程用使用割合 (BSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計}}$$

$$\text{コージェネ蒸気生産工程用使用割合 (CSP)} = \frac{\text{蒸気生産工程用消費量}}{\text{蒸気消費量計} - \text{蒸気自家発電用消費量}}$$

$$\text{当該生産品目の蒸気使用割合 (SG)} = \frac{\text{当該生産品目の蒸気使用量}}{\text{部門別蒸気消費量計}} \quad (\text{注})$$

$$\text{電力使用割合 (EU)} = \frac{\text{自家発電電力量計} - \text{電力販売量}}{\text{自家発電電力量計}} \quad (\text{注})$$

$$\text{一次蒸気の自家発電用割合 (ES)} = \frac{\text{蒸気自家発電用消費量}}{\text{一次蒸気発生量}} \quad (\text{注})$$

$$\text{当該生産品目の電力使用割合 (EG)} = \frac{\text{当該生産品目の電力使用量}}{\text{部門別電力消費量計}} \quad (\text{注})$$

$$\text{コージェネ用燃料消費の蒸気発生割合 (CS)} = \frac{\text{コージェネ蒸気発生} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

$$\text{コージェネ用燃料消費の発電電力割合 (CE)} = \frac{\text{コージェネ発電電力量} \times \text{単位熱量}}{(\text{コージェネ蒸気発生} \times \text{単位熱量}) + \text{コージェネ発電電力量} \times \text{単位熱量}}$$

(注) 鉄鋼業は「ボイラ用」「コージェネレーション用」を除いて計算。

(ア) 「火力」又は「コージェネ」発電を行っている事業所
 ア) 生産品目 (又は部門) 別の自家発生蒸気消費量 (生産工程用) の一次投入燃料換算値 (lin) (機械工業を除く業種)

$$\text{lin} = (\text{ボイラ用燃料消費量 (以下Bi)} \times \text{BSP} + \text{コージェネ用燃料消費量 (以下Ci)} \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$$

イ) 生産品目 (又は部門) 別の「火力」又は「コージェネ」発電消費量の一次投入燃料換算値 (I'in)

$$\text{I'in} = (\text{Bi} \times \text{ES} \times \text{SU} + \text{Ci} \times \text{CE}) \times \text{EU} \times \text{EG}$$

ウ) 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + lin + I'in

エ) 機械工業の生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + (Bi + Ci) × EU × EG

(イ) 「火力」及び「コージェネ」発電を行っていない事業所
 生産品目別の一次投入燃料消費量 = 生産品目別の直接投入燃料消費量 + Bi × SU × SG

② 購入系電力 (購入電力 + 水力) 量の算出

$$\text{生産品目別購入系電力消費量} = (\text{購入電力量} + \text{水力発電量} \times \text{EU}) \times \text{EG}$$

③ 受入蒸気量の算出

$$\text{生産品目別受入蒸気消費量} = \text{受入蒸気量} \times \text{SG}$$

3) 指定生産品目別燃料在庫表

燃料 (原料を含む。) 在庫については、事業所ベース (事業所全体) の調査ですが、経済産業省生産動態統計調査等の関連から生産品目別に下記の方法で、事業所別、燃料種別ごとに按分して集計しました。

$$\text{生産品目別燃料在庫} = \text{燃料在庫量 (事業所ベース)}$$

$$\times \frac{\text{当該生産品目燃料消費量 (一次投入燃料消費量換算後)}}{\text{生産品目別燃料消費量計 (一次投入燃料消費量換算後)}}$$

Ⅲ この月報で使用している地域別の内容

経済産業局別

北海道経済産業局 北海道全域

東北 // 青森、岩手、宮城、秋田、山形、福島
 の各県

関東 // 茨城、栃木、群馬、埼玉、千葉、東京、
 神奈川、新潟、山梨、長野、静岡の各都県

中部 // 富山、石川、岐阜、愛知、三重の各県

近畿 // 福井、滋賀、京都、大阪、兵庫、奈良、
 和歌山の各府県

中国 // 鳥取、島根、岡山、広島、山口の各県

四国 // 徳島、香川、愛媛、高知の各県

九州 // 福岡、佐賀、長崎、熊本、大分、宮崎、
 鹿児島
 の各県及び沖縄県

Ⅳ その他

1. この月報で使用している記号の区分は下記のとおりです。

「0」は単位未満 「-」は実績なし

「…」は不詳 「r」は訂正

2. 単位未満を四捨五入しているため、内容の積み上げと合計が一致しない場合があります。

3. 熱量換算は、それぞれの調査項目ごとに行っているため、合計と内訳は一致しません。

4. この月報に掲載された統計を他に転載するときは、必ず「石

油等消費動態統計月報」による旨を明記してください。

V 問い合わせ先

この月報の内容についてのお問い合わせは、下記宛てにご連絡ください。

〒100-8931 東京都千代田区霞が関一丁目3番1号
経済産業省資源エネルギー庁
長官官房総務課戦略企画室
電話代表 (03) 3501-1511 内線 4477-4479

第1表 石油等消費動態統計調査の調査対象業種、指定生産品目(群)及び調査の範囲

調査対象業種	指定生産品目(群)	調査の範囲
パルプ・紙工業	パルプ 紙 板紙	全部 従事者 50 名以上のもの 従事者 50 名以上のもの
化学工業 (化学繊維工業を除く。)	石油化学製品 アンモニア及びアンモニア誘導品 ソーダ工業製品	全部 全部 全部
化学繊維工業	化学繊維	従事者 30 名以上のもの
石油製品工業	石油製品 (グリースを除く。)	全部
窯業製品及び土石製品工業 (ガラス製品工業 (板ガラス工業を除く。) を除く。)	セメント 板ガラス 石灰	全部 全部 従事者 30 名以上のもの
ガラス製品工業 (板ガラス工業を除く。)	ガラス製品	従事者 100 名以上のもの
鉄鋼業	銑鉄、フェロアロイ、粗鋼、鋼半製品、 鍛鋼品、鋳鋼品、一般普通鋼熱間圧延鋼材、 特殊鋼熱間圧延鋼材、冷間仕上鋼材 (磨棒鋼及び線類を除く。)、めっき鋼材 (線類を除く。)、冷間ロール成型形鋼、 鋼管	全部
非鉄金属地金工業	銅 鉛 亜鉛 アルミニウム アルミニウム二次地金	全部 全部 全部 全部 従事者 30 名以上のもの
機械工業	土木建設機械 金属工作機械及び金属加工機械 電子部品 電子管・半導体素子・集積回路 電子計算機及び情報端末並びに電子応用 装置 自動車及び部品 (二輪自動車を含む。)	経済産業大臣の指定する従事者 500 名以上の もの

第2表 エネルギー種別の単位及び定義

区分	種別	調査の単位	単位当たりの発熱量	定義及び備考
石油系燃料	原油	kl	38.3MJ/l	「化学工業」のみ調査。 「化学工業」のみ調査。NGLとは天然ガス液をいう。 工業用ガソリンを除く。また、自動車用ガソリンのうち、構外運搬に使用されたものは除く。 石油化学で芳香族製品（純ベンゼン、純トルエン、キシレン等）を抽出するために使用するものをいう。 石油系の油（原油～B・C重油以外の油）をいう。 液化石油ガス（LPG）以外の石油系ガスをいう。 生コークスを含む。 アスファルトにストレートアスファルト等を含む。 石油系の潤滑油やグリース等から再生した油を燃料として使用したものの（廃油を含む。）をいう。
	NGL・コンデンセート	kl	34.8MJ/l	
	ガソリン	kl	33.4MJ/l	
	ナフサ	kl	33.3MJ/l	
	改質生成油	kl	33.7MJ/l	
	灯油	kl	36.5MJ/l	
	軽油	kl	38.0MJ/l	
	A重油	kl	38.9MJ/l	
	B・C重油	kl	41.8MJ/l	
	炭化水素油（副生油）	kl	40.0MJ/l	
	液化石油ガス（LPG）	t	50.1MJ/kg	
	石油系炭化水素ガス（副生ガス）	1000m ³	51.0MJ/Nm ³	
	オイルコークス	t	33.3MJ/kg	
アスファルト	t	40.0MJ/kg		
再生油（石油由来）	kl	40.2MJ/l		
非石油系燃料	コークス製造用炭（原料炭）	t	28.9MJ/kg	「鉄鋼業」のみ調査。 無煙炭を含む。 石炭コークスにピッチコークスを含む。 「鉄鋼業」、「化学工業」のみ調査。 炭鉱ガス抜きガスは含まない。 地域のガス事業者から液化天然ガス（LNG）専用の導管で供給されているものを含む。 地域のガス事業者から供給されているものをいう。ただし、「液化天然ガス（LNG）」を専用の導管で購入している場合は、「液化天然ガス（LNG）」として計上している。 「パルプ・紙・板紙工業」のみ調査。 「鉄鋼業」のみ調査。 バーク、木くず等を含む。 廃棄物となったタイヤを原形のまま、又はチップ状にしたものを燃料として使用したものをいう。 廃棄物となったプラスチックを圧縮又は破碎することによって成形したものを燃料として使用したものをいう。 廃棄物となった紙及びプラスチック等を主原料として、圧縮成型、押出成型によって固化化したものを燃料として使用したものをいう。
	石炭系燃料	t	26.1MJ/kg	
	石炭コークス（ピッチコークスを含む）	t	29.0MJ/kg	
	ターナル	t	37.3MJ/kg	
	コークス炉ガス	1000m ³	20.3MJ/Nm ³	
	高炉ガス	1000m ³	3.57MJ/Nm ³	
	転炉ガス	1000m ³	8.33MJ/Nm ³	
	電気炉ガス	1000m ³	8.33MJ/Nm ³	
	天然ガス	1000m ³	42.5MJ/Nm ³	
	液化天然ガス（LNG）	t	54.7MJ/kg	
	都市ガス（A）（注1）	1000m ³		
	都市ガス（B）（注2）			
	都市ガス（注3）			
回収黒液	絶乾 t	13.6MJ/絶乾 kg		
酸素	1000Nm ³	7.12MJ/Nm ³		
廃材	絶乾 t	17.1J/絶乾 kg		
廃タイヤ	t	33.2MJ/kg		
廃プラスチック	t	29.3MJ/kg		
R P F	t	26.9MJ/kg		
電力	1000kWh	3.60MJ/kWh	「機械工業」は調査を行っていない。	
蒸気	t	2.675MJ/kg		

注1. 都市ガス(A)は、調査項目の単純集計値（1000m³）です。
 2. 都市ガス(B)は、都市ガス発熱量換算値を41.1MJ/m³で換算した集計値（1000m³）です。
 3. 都市ガスは発熱量換算値（10⁶kJ）。
 なお、都市ガスの単位当たりの発熱量は、事業所ごとの単位当たりの発熱量によります。

Notes for Utilization

The objective of this monthly report is to compile and publish the results of the monthly survey concerning the Current Survey of Energy Consumption (Fundamental Statistical Survey), which is conducted under METI's regulations for the Statistical Survey of Energy Consumption in the Selected Industries based on the Statistics Law.

An outline of this statistical survey, the method used to compile the statistics, and an explanation of their uses are as follows:

I. Outline of the Current Survey of Energy Consumption

1. Purpose of the survey

This survey aims to clarify the current consumption of petroleum and other types of energy by industry and to obtain basic materials for making policies concerning the consumption of petroleum, etc.

2. Establishments surveyed

This survey covers the establishments in the nine industrial categories listed in Table 1, among those covered by the Current Survey of Production (Fundamental Statistical Survey) by the Ministry of Economy, Trade and Industry. But, Smaller establishments in some industries are exempted from the survey, as determined by the number of employees.

3. Scope of energy surveyed

The Scope of energy surveyed are those listed in Table 2, among those consumed by the establishments covered by this survey (including in-house generated types of energy and materials that are used both as material and fuel, such as crude petroleum and naphtha).

As shows in Table 2, petroleum-based fuels range from crude petroleum to reproduction oil(oil origin), and non-petroleum-based fuels range from coal for making coke (material coal) to refuse paper & plastic fuel.

4. Definition of survey fields items

(1) Fuels (establishment base)

1) Receipt

Total volume of the fuel (including that used as materials) received by the establishment, or by a warehouse or storage facility rented under a contract to which the establishment is a principal party.

2) Generation, recovery and production

Total volume of the fuel (including that used as materials) generated, collected or produced by the establishment.

3) Consumption

Total volume of the fuel (including that used as materials) consumed by the establishment. However, the consumption in the fuel category is the total of that of the fuels received from other establishments (including those used as materials) and that of the fuels converted from other categories (for example, from coal to coal coke).

① Fuels “for boilers (except for heating or cooking)” refers to the volume of fuels burned in general purpose boilers for the production process or in the boilers for private power generation.

② Fuels “for co-generation” refers to the volume of fuels used for co-generation.

③ Fuels “for purposes other than boilers and co-generation” refers to the volume of fuels used for purposes other than ① and ②.

(a) “As materials” refers to the volume used not as fuel, but as materials for manufacturing other products.

(b) Fuels “for direct heating” refer to the volume of fuels burned in various industrial furnaces, such as smelting furnaces, conversion furnaces, dissolving furnaces, soaking pits, heating furnaces, ceramic furnaces, sintering furnaces, ash-burning furnaces, drying furnaces, etc., and in similar equipment.

(c) Fuels “for other purposes” refers to the volume of fuels used for purposes other than “as materials” and “direct heating”, such as transportation within a plant, trial runs for inspection, air-conditioning, cooking, and internal combustion engines for private power generation (diesel engines and gas turbines, etc., for purposes other than co-generation).

For the industries for which the use “as materials” is not provided separately, fuels “for other purposes” include what is used “as materials”.

4) Shipment

Total volume of fuels taken out of the establishment (including that used as materials) for reasons mentioned below:

① sales to other establishments,

② transfer to other divisions of the same company, or

③ transfer to other establishments for subcontracted production.

5) Month-end inventory

Total volume of fuels (including those used as materials) stored at the end of the survey month at the establishment or at a warehouse or storage facility rented under a contract to which the establishment is a principal party.

6) Industrial categories exempted from the survey for such items as “Receipt” and “Inventory”

① In the “Petroleum Product Industry”, the items related to “Inventory” are not surveyed because it is not necessary to divide the inventory of petroleum products into that owned as a producer or as a consumer. Furthermore, crude petroleum “consumption as materials” is not surveyed, to avoid the duplication of crude petroleum and petroleum products. As for “Receipt”, the survey is made only for the fuel category which the establishment received as fuel.

② For establishments manufacturing petrochemical products in the “Chemical industry”, surveys are not made for “Receipt”, “Inventory” and “Use as materials” for by-product hydrocarbon oil and by-product petroleum-based hydrocarbon gas and “Inventory” Of liquefied petroleum gas (LPG), due to the limitations of the survey.

(2) Electricity (establishment basis)

1) Electricity purchased

This is the sum of the electric power purchased by the establishment from electric companies and other enterprises, and that received from other establishments of the same enterprise.

2) Private power generation

This is the electric power generated by the establishment measured at the generation terminal. “Thermal” stands for steam-generated power, “Co-generation” for power generated via co-generation system facilities, “Hydro” for hydro-generated power, and “Others” for power generated using photovoltaic power generation, geothermal energy, extra or waste heat, the high pressure at the top of blast furnaces, or by using internal combustion engines (diesel engines, gas turbines, etc., not related to co-generation) etc.

3) Consumption

Total electric power consumed by the establishment (including loss for changing voltage and amperage).

4) Electricity sold

This is the sum of electric power sold by the establishment, for private power generation, to electric companies and other enterprises, and that delivered to other establishments of the same enterprise.

(3) Steam (establishment basis)

This refers to the volume of steam generated, consumed, etc., by the establishment converted to the volume of dry, saturated steam at 100°C and 1 atmospheric pressure (2.675MJ/kg).

1) Receipt

Total volume of pressure the establishment received from other enterprises or other establishments of the same enterprise.

2) Steam generation

① “Primary steam”

Total volume of primary steam (including hot water) generated by the establishment by burning fuels in general boilers for production processes and boilers for private power generation.

② “Non-primary steam”

(a) “Co-generation” stands for the volume of steam generated or collected by the waste-heat collecting device (hot-water heat exchanger, steam generator).

(b) “Others” stands for the volume of steam generated or collected by the extra-heat/waste-heat collecting boilers.

3) Consumption

The volume of primary steam used by the establishment from that received from others or generated private (= Receipt + Generation – Shipment).

① “For production process” stands for the steam sent to the production process as driving power, or to dry or heat or adjust temperature.

If steam is extracted from turbines and used in the production process, such steam is included.

② “For private power generation” stands for the volume of steam actually used for private power generation (thermal), and does not include the steam extracted from turbines and used in the production process.

③ “For other uses” stands for the volume of steam generated by operating boilers, and includes steam used for heating and cooking.

4) Shipment

Total volume of steam shipped out from the establishment for:

① sales to other enterprises, or

② use in other establishments of the same enterprise.

(4) Breakdown of consumption by division (Product base)

The breakdown of consumption by division is the breakdown of the energy directly used by the surveyed establishment for manufacturing the products mentioned in the “Product” column of Table 1 (consumption of direct input energy) into fuels (excluding those for boilers and co-generation), electricity and steam (used for production process). But, in the iron and steel industry, amount of consumption is the amount by the entire establishment.

The scope of “Designated Products” is as provided in the Current Survey of Production by the Ministry of Economy, Trade and Industry (Fundamental Statistical Survey). For further details, please refer to the said survey report.

II. Method of preparing statistical tables, and their uses

The statistical tables are composed of two parts: the statistical tables classified by industrial category (energy consumption table, INPUT/OUTPUT tables for fuels, electricity and steam), which are on an establishment basis, and statistical tables for the designated products (direct input energy table, conversion table for the primary input fuels and inventory table for main fuels), which are on a product basis. The method of preparing each statistical table and their uses are as follows:

1. Statistical tables for industrial category (establishment basis)

(1) The statistical tables for industrial category show the consumption, etc., of fuels, electricity and steam by adding up the total for each energy category on an establishment basis (for the entire establishment), for each industrial category of the establishment. In other words, the consumption on an establishment basis stands for the total energy consumed by the whole establishment, and includes the energy used for manufacturing products other than those mentioned in the “Product” column of Table 1.

However, as some establishments surveyed have activities in more than one industrial category, duplication, if any, is subtracted from the national total and the sub-total at each Bureau of Economy, Trade and Industry, by showing it as “adjustment for duplication”.

(2) The consumption of energy shown in the industrial category

energy consumption table and in the fuel INPUT/OUTPUT table, is the total of what the establishment received from other establishments and the portion converted in-house from other fuels (for example, from coal to coal coke). Therefore, the converted portion is duplicated in the total fuel consumption (converted to crude petroleum).

However, the net consumption, not including the portion converted from other fuels, is shown in the total of the nine surveyed industries, and the sub-totals for three industrial categories (chemical; ceramics, clay and stone products; iron and steel). The net consumption is calculated by subtracting the generation, recovery and production of coal coke (including pitch coke), tar, coke oven gas, blast furnace gas, converter furnace gas, electrical furnace gas, and oxygen from the total fuel consumption (converted to energy).

2. Statistical tables by designated product (product basis)

(1) The statistical tables by designated product show the total energy consumed by the surveyed establishments for manufacturing the products mentioned in the “designated product” column of Table 1, added up for each energy category.

As a rule, the energy consumed for manufacturing products other than the designated products are shown as “other products”.

(2) These statistical tables are composed of three parts: the direct input energy table, prepared by simply adding up the figures in the column of “Consumption breakdown by division” of the questionnaire; the primary input fuel conversion table, prepared by adding up the primary input fuel consumption (the fuel consumed for “boilers” and “co-generation”) for the establishments which use these fuels after turning them into secondary energies, such as in-house generated steam or electricity; and the inventory table of main fuels, prepared on the basis of the latter sum and showing the inventory distributed to each designated product.

1) Direct input energy table (simple add-up table of questionnaire)

This table shows the totals of the fuels (except those used for boilers and co-generation), electricity and steam actually and directly used for manufacturing the said product, for each energy category. The relationship between this table and the INPUT/OUTPUT tables of fuels, electricity and steam are as follows: The categorized fuel consumption in the “total”

column of this table matches the “total” fuel consumption other than “for boilers and co-generation” of the fuel INPUT/OUTPUT table (but, in the iron and steel industry, the “total” including the fuels used “for boilers and co-generation”), and the electricity consumption matches the “total” electricity consumption in the electricity INPUT/OUTPUT table, and the steam consumption matches the steam consumption for “production process” in the steam INPUT/OUTPUT table (but steam consumption on the basis of the designated products is not surveyed in machinery industries). Therefore, the electricity consumption is the total of purchased electricity and private power generation minus the electricity sold, and the steam consumption is what is used for the production process.

2) Primary input fuel conversion table (prepared by adding up the primary input fuel consumption for “boilers” and “co-generation” of the establishments).

This table is prepared by converting the secondary energy (in-house generated steam and electricity, excluding hydroelectricity) used by the establishment for manufacturing the said product (not including the secondary energy sold to others) into the primary input of fuels (fuels for boilers and co-generation) for each energy category, and by converting the consumption of steam and electricity to the purchase (or receipt) and adding them up (electricity purchase includes the private generated hydroelectricity). The following methods are used for conversion at each establishment. For machinery industries, the conversion is made only for electricity consumption for each establishment.

① Calculation of primary input fuel consumption for “boilers and co-generation”

Steam use rate (SU)

= (Total steam generation – Steam shipment) / Total steam generation

Proportion of boiler steam used for production process (BSP)

= Steam used for production process / Total steam consumption

Proportion of co-generation steam used for production process (CSP)

= Steam used for production process / (Total steam consumption – Steam consumed for private power generation)

Proportion of steam used for manufacturing the said product (SG)

= Steam used for manufacturing the said product / Total steam consumption by Division

Rate of electricity used (EU)

= (Total private power generation – Electricity sold) / Total private power generation

Proportion of primary steam used for private power generation (ES)

= Primary steam used for private power generation / Total primary steam generated

Rate of electricity used for the said product (EG)

= Electricity used for the said product / Total electricity consumption of the Division

Ratio used for generating steam of co-generation fuel consumption (CS)

= Steam generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

Ratio used for generating electricity of co-generation fuel consumption (CE)

= Electricity generated by co-generation × unit energy / (Steam generated by co-generation × unit energy + electricity generated by co-generation × unit energy)

(A) Establishment with private thermal power generation or co-generation

a. Consumption of in-house generated steam (for production process) for the product (or division) converted to the primary input of fuels (I_{in}) (for all industrial categories except machinery):

$I_{in} = (\text{Fuel consumption for boilers } (B_i) \times \text{BSP} + \text{Fuel consumption for co-generation } (C_i) \times \text{CS} \times \text{CSP}) \times \text{SU} \times \text{SG}$

b. Consumption of thermal or co-generation electricity for the product (or division) converted to the primary input of fuels (I'_{in})

$I'_{in} = (B_i \times \text{ES} \times \text{SU} + C_i \times \text{CE}) \times \text{EU} \times \text{EG}$

c. Primary input fuel consumption for the product = Direct input fuel consumption for the product + I_{in} + I'_{in}

d. Primary input fuel consumption for the product in machinery industries = Direct input fuel consumption for the product + (B_i + C_i) × EU × EG

(B) Establishment without private thermal power generation or co-generation

Primary input fuel consumption for the product = Direct input fuel consumption for the product + Bi × SU × SG

② Calculation of purchase-based electricity (purchased electricity + hydroelectricity)

Consumption of purchase-based electricity for the product = (purchased electricity + hydroelectricity × EU) × EG

③ Calculation of received steam

Consumption of received steam for the product = Received steam × SG

3) Breakdown of the fuel inventory into designated product

The fuel (including materials) inventory is surveyed on the basis of the establishment (i.e. for the establishment as a whole). However, in consideration of its relationship with the Current Survey of Production of the Ministry of Economy, Trade and Industry, the inventory was broken down by product according to the following method, by establishment and fuel category:

Fuel inventory for the product = Total fuel inventory (establishment basis) × Fuel consumption for the product (converted to primary input fuel consumption) / Total fuel consumption by product (converted to primary input fuel consumption)

III. The areas represented by each Bureau of Economy, Trade and Industry used in this monthly report:

Hokkaido Bureau of Economy, Trade and Industry: Hokkaido

Tohoku Bureau of Economy, Trade and Industry: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima Prefectures

Kanto Bureau of Economy, Trade and Industry: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka Prefectures, and Tokyo

Chubu Bureau of Economy, Trade and Industry: Toyama, Ishikawa, Gifu, Aichi and Mie Prefectures

Kansai Bureau of Economy, Trade and Industry: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama Prefectures

Chugoku Bureau of Economy, Trade and Industry: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi Prefectures

Shikoku Bureau of Economy, Trade and Industry: Tokushima, Kagawa, Ehime and Kochi Prefectures

Kyushu Bureau of Economy, Trade and Industry: Fukuoka, Saga,

Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima and Okinawa Prefectures

IV. Others

1. Abbreviations used in this monthly report are as follows:

0 : Less than unit after rounding

— : No results

… : Unknown

r : Revised

2. Figures may not exactly equal totals because of rounding.

3. In an itemized list, the figures may not add up exactly to the total because the calories are converted by survey item.

4. When reprinting the statistics contained in this monthly report in other printed matter, the fact that they are based on the “Monthly Report of the Current Survey of Energy Consumption” must be clearly indicated.

V. Contact information

If there are any questions about the contents of this monthly report, please contact the following address.

Policy Planning and Coordination Division

Commissioner's Secretariat

Agency for Natural Resources and Energy

Ministry of Economy, Trade and Industry (METI)

1-3-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8931, Japan

Tel: +81-3-3501-1511, Extension: 4477~4479

Table 1. Surveyed industries, designated products, and scope of survey

Surveyed industry	Products	Scope of survey
Pulp and paper industry	Pulp Paper Paperboard	All Establishments with 50 or more employees Establishments with 50 or more employees
Chemical industry (except chemical fiber industry)	Petrochemical products Ammonia and ammonia-derived products Soda products	All All All
Chemical fiber industry	Chemical fibers	Establishments with 30 or more employees
Petroleum products industry	Petroleum products (except grease)	All
Ceramic, clay and stone products industry (except glass product industry, with the exception of sheet glass industry)	Cement Sheet glass Lime	All All Establishments with 30 or more employees
Glass product industry (except sheet glass industry)	Glass products	Establishments with 100 or more employees
Iron and steel industry	Pig iron, Ferro-alloys, Crude steel, Semi-finished steel, Steel forgings, Steel castings, Ordinary hot-rolled steel, Special hot-rolled steel, Cold-finished steel (except cold-finished steel bars, wires), Coated steel (except wires), Cold-rolled steel shapes, Steel pipes and tubes	All
Non-ferrous metals industry	Copper Lead Zinc Aluminum Secondary aluminum ingots	All All All All Establishments with 30 or more employees
Machinery industry	Civil engineering machinery, tractors Metal working and metal processing machinery Parts for electronic equipment Electron tubes, semiconductors, ICs Electronic computers and information terminals Associated electronic equipment Automobiles and parts (including motorcycles)	Establishments with 500 or more employees which are designated by the Minister of Economy, Trade and Industry

Table 2. Energy categories, units and definitions

Division	Categories	Unit	Energy per unit	Definitions and remarks
Petroleum-based fuels	Crude petroleum	kl	38.3MJ/l	Only "Chemical industry" is surveyed.
	NGL· condensate	kl	34.8MJ/l	Only "Chemical industry" is surveyed. NGL: Natural Gas Liquids.
	Gasoline	kl	33.4MJ/l	This is subdivided into industrial gasoline, automobile gasoline, etc., but industrial gasoline is excluded. Automobile gasoline does not include what is used for transportation outside the plant.
	Naphtha	kl	33.3MJ/l	Also known as crude gasoline.
	Oil produced by conversion	kl	33.7MJ/l	This refers to the oil used in the petrochemical plant to extract aromatic products (pure benzene, pure toluene, xylene, etc.).
	Kerosene	kl	36.5MJ/l	
	Gas oil	kl	38.0MJ/l	Does not include what is used for transportation outside the plant.
	Heavy Fuel oil A	kl	38.9MJ/l	
	Heavy Fuel oil B·C	kl	41.8MJ/l	
	Hydrocarbon oil (by-product)	kl	40.0MJ/l	Petroleum-based oil (excludes crude petroleum — "B·C" heavy oil).
	Liquefied petroleum gas (LPG)	t	50.1MJ/kg	
	Petroleum-based hydrocarbon gas (by-product)	1000m ³	51.0MJ/Nm ³	Petroleum-based gas other than liquefied petroleum gas (LPG).
	Petroleum coke	t	33.3MJ/kg	Raw coke is included in petroleum coke.
	Asphalt	t	40.0MJ/kg	Asphalt (Straight asphalt ,etc. are included)
Reproduction oil (Oil origin)	kl	40.2MJ/l	Reproduction oil used as a fuel, from petroleum-based lubricant and grease etc. (Wasted oil is included)	
Non-petroleum-based fuels	Coal-based fuels			
	Coal for making coke (material coal)	t	28.9MJ/kg	Only "Iron and steel industry" is surveyed.
	Coal	t	26.1MJ/kg	Anthracite is included in coal.
	Coal coke (including Pitch coke)	t	29.0MJ/kg	Pitch coke is included in coal coke.
	Tar	t	37.3MJ/kg	Only "Iron and steel" and "Chemical industries "are surveyed.
	Coke oven gas	1000m ³	20.3MJ/m ³	
	Other fuels			
	Blast furnace gas	1000m ³	3.57MJ/Nm ³	
	Converter furnace gas	1000m ³	8.33MJ/Nm ³	
	Electric furnace gas	1000m ³	8.33MJ/Nm ³	
	Natural gas	1000m ³	42.5MJ/Nm ³	Does not include gas extracted from coal mines.
	Liquefied natural gas (LNG)	t	54.7MJ/kg	Includes liquefied natural gas (LNG) supplied by local gas company through special pipe.
	Town gas (A) (Note 1)	1000m ³		Gas supplied by local gas company. However, liquefied natural gas (LNG) supplied by special pipes is counted as liquefied natural gas (LNG).
	Town gas (B) (Note 2)			
	Town gas (Note 3)			
	Black liquor	Dry t	13.6MJ/dry kg	Only "Pulp, paper and paperboard industry" is investigated.
	Oxygen	1000Nm ³	7.12MJ/Nm ³	Only "Iron and steel industry" is surveyed.
Waste material	Dry t	17.1MJ/dry kg	Only "Pulp, paper and paperboard industry" and "glass product industry" are investigated.	
Used tires	t	33.2MJ/kg	Discarded tires used as fuel, as are or cut into tips.	
Waste plastic	t	29.3MJ/kg	Discarded plastic used as a fuel, molded by compression or crushing.	
R P F	t	26.9MJ/kg	Discarded paper and plastic used as a fuel, by compression molding, pushing out molding.	
Electricity		1000kWh	3.60MJ/kWh	
Steam		t	2.675MJ/kg	"Machinery industry" is not surveyed.

Notes : 1. A simple total will be shown for Town gas (A).

2. The conversion rate for Town gas (B) is 41.1MJ/m³.

3. The energy conversion rate for Town gas is (10%kJ).

The energy per unit of town gas depends on the energy per unit at each establishment

1. エネルギー消費量の推移

Trends of energy consumption

年・期・月	合計 Total		燃料計 Fuel total							
	(原油換算) Crude petroleum equivalent	うち指定生産品目分 Specified products (原油換算) Crude petroleum equivalent	(原油換算) Crude petroleum equivalent	石油系燃料計 Oil based fuels total						
				(原油換算) Crude petroleum equivalent	原油 (注1) Crude petroleum	ガソリン Gasoline	ナフサ Naphtha	改質生成油 Oil produced by conversion	灯油 Kerosene	軽油 Gas oil
kl	kl	kl	kl	kl	kl	kl	kl	kl	kl	kl
令和 1 年	161,996,521	153,789,762	149,145,413	79,380,328	66,775	57,645	30,922,179	17,872,583	1,135,512	247,432
2	144,649,464	135,400,674	132,788,486	70,534,633	3,394	48,314	29,446,917	14,662,456	1,088,999	185,543
3	155,251,651	146,422,187	142,742,628	74,828,362	123,541	45,830	31,023,551	15,101,547	948,306	227,203
令和 1 年度	159,945,029	151,743,358	147,187,604	77,545,419	60,224	56,565	30,852,953	17,089,832	1,009,063	221,524
2	144,232,338	134,909,209	132,450,078	70,641,992	2,509	47,140	29,737,978	14,269,571	1,141,643	210,276
2 年 10~12月	36,997,333	34,921,999	33,927,769	18,123,740	962	13,743	7,682,793	3,735,443	217,273	66,366
3 年 1~3月	39,051,157	36,684,650	36,001,665	18,759,283	304	12,485	7,920,157	3,628,863	235,509	64,694
4~6	37,043,313	35,236,819	33,964,981	17,390,231	-	11,510	7,528,047	3,240,262	162,608	67,572
7~9	39,200,017	36,956,558	36,023,126	18,837,579	5,857	10,106	7,471,509	4,015,721	303,325	53,637
10~12	39,957,165	37,544,160	36,752,855	19,841,270	117,380	11,729	8,103,838	4,216,701	246,864	41,300
2 年 10月	11,989,563	11,321,924	10,964,648	5,904,513	271	4,891	2,529,335	1,217,275	71,644	23,672
11	12,011,482	11,318,296	11,003,254	5,861,624	325	4,649	2,515,511	1,182,085	67,142	19,210
12	12,996,289	12,281,779	11,959,867	6,357,603	366	4,203	2,637,947	1,336,083	78,487	23,484
3 年 1月	13,592,942	12,730,342	12,552,048	6,658,280	304	3,858	2,669,626	1,359,400	123,406	22,170
2	12,140,579	11,360,919	11,174,894	5,788,759	-	3,866	2,465,708	1,067,477	86,555	20,714
3	13,317,636	12,593,390	12,274,722	6,312,244	-	4,761	2,784,823	1,201,986	25,548	21,810
4	12,598,917	11,921,766	11,571,561	6,045,293	-	4,206	2,664,590	1,165,343	16,931	22,858
5	12,568,318	12,014,325	11,548,180	5,900,270	-	2,891	2,539,919	1,094,712	52,992	22,640
6	11,876,078	11,300,729	10,845,240	5,444,668	-	4,413	2,323,538	980,207	92,685	22,074
7	12,673,560	11,940,174	11,610,953	5,867,380	-	4,458	2,351,166	1,176,265	88,351	22,182
8	13,347,719	12,579,854	12,287,848	6,510,036	-	2,956	2,531,790	1,406,751	110,746	21,857
9	13,178,737	12,436,530	12,124,325	6,460,163	5,857	2,692	2,588,553	1,432,705	104,228	9,598
10	13,147,998	12,420,131	12,069,246	6,491,726	56,444	3,233	2,697,973	1,337,544	104,783	5,574
11	12,964,992	12,143,334	11,913,513	6,438,492	47,444	4,371	2,592,394	1,398,378	47,630	14,195
12	13,844,175	12,980,695	12,770,096	6,911,052	13,492	4,125	2,813,471	1,480,779	94,451	21,531
前年同月比(%)	6.5	5.7	6.8	8.7	3,586.3	▲ 1.9	6.7	10.8	20.3	▲ 8.3

年・期・月	燃料計(つづき) Fuel total (continued)										
	非石油系燃料(つづき) Non-oil based fuels (continued)										都市ガス (B) Town gas
	石炭 (注2) Coal	石炭コークス (注3) Coal Coke	タール Tar	コークス炉 ガス Coke oven gas	高炉ガス Blast furnace gas	転炉ガス Converter furnace gas	電気炉ガス Electric furnace gas	天然ガス Natural gas	液化天然 ガス LNG		
t	t	t	1000m ³	1000m ³	1000m ³	1000m ³	1000m ³	t	1000m ³		
令和 1 年	84,567,901	30,966,060	502,577	11,290,978	84,358,365	5,086,317	83,982	657,190	1,507,755	5,826,721	
2	76,201,814	26,355,716	494,251	10,417,196	69,953,793	4,335,524	79,370	639,151	1,473,506	5,346,339	
3	81,262,424	28,682,217	525,211	10,870,753	77,985,198	4,701,952	86,101	669,954	1,536,145	5,862,950	
令和 1 年度	84,889,776	30,623,277	490,369	11,235,965	83,108,162	5,163,681	85,540	644,819	1,513,145	5,727,901	
2	75,287,609	26,113,737	501,184	10,352,214	69,112,723	4,217,010	77,231	645,706	1,495,672	5,387,443	
2 年 10~12月	19,471,521	6,533,083	138,659	2,672,395	17,648,292	1,073,307	22,319	167,029	380,264	1,383,727	
3 年 1~3月	20,503,549	7,222,667	138,467	2,699,283	19,433,827	1,196,798	22,529	187,396	416,909	1,522,586	
4~6	19,983,841	7,176,074	136,164	2,742,166	19,970,019	1,180,023	22,921	149,007	385,902	1,398,699	
7~9	20,500,802	7,248,191	107,838	2,701,752	19,669,487	1,218,142	13,992	160,684	390,847	1,410,743	
10~12	20,274,232	7,035,285	142,742	2,727,552	18,911,865	1,106,989	26,659	172,867	342,487	1,530,923	
2 年 10月	6,180,654	2,135,088	49,976	869,172	5,744,955	338,108	5,440	49,516	121,964	450,461	
11	6,391,502	2,108,363	43,260	877,569	5,679,052	367,981	8,397	56,190	120,621	449,322	
12	6,899,365	2,289,632	45,423	925,654	6,224,285	367,218	8,482	61,323	137,679	483,944	
3 年 1月	7,062,653	2,453,432	43,384	938,097	6,726,090	388,397	7,272	68,043	144,461	516,563	
2	6,398,448	2,268,679	46,908	836,438	6,006,106	377,490	6,426	57,260	128,393	491,056	
3	7,042,448	2,500,556	48,175	924,748	6,701,631	430,911	8,831	62,093	144,055	514,967	
4	6,584,606	2,352,140	49,772	900,889	6,460,460	366,906	8,960	58,152	130,184	490,048	
5	6,838,979	2,474,562	46,179	940,203	6,969,598	419,068	7,701	46,742	128,517	450,546	
6	6,560,256	2,349,372	40,213	901,074	6,539,961	394,049	6,260	44,113	127,201	458,105	
7	6,878,564	2,446,668	21,585	913,129	6,571,230	403,155	7,806	55,403	137,313	485,233	
8	6,875,349	2,441,849	37,783	905,036	6,703,400	399,797	4,415	55,086	131,881	460,542	
9	6,746,889	2,359,674	48,470	883,587	6,394,857	415,190	1,771	50,195	121,653	464,968	
10	6,789,652	2,330,363	42,559	909,216	6,230,481	389,307	8,346	52,811	112,415	460,956	
11	6,515,419	2,309,856	47,868	895,541	5,991,722	346,405	10,445	57,337	104,047	568,029	
12	6,969,161	2,395,066	52,315	922,795	6,689,662	371,277	7,868	62,719	126,025	501,938	
前年同月比(%)	1.0	4.6	15.2	▲ 0.3	7.5	1.1	▲ 7.2	2.3	▲ 8.5	3.7	

注1. 原油にはNGL・コンデンセートを含む。
3. 石炭コークスにはピッチコークスを含む。

2. 石炭には、コークス製造用炭(原料炭)を含む。

重油計									非石油系燃料計	Year, quarter and Month
Heavy fuel oil total kl	A 重油 Heavy fuel oil A kl	B・C重油 Heavy fuel oil B・C kl	炭化水素油 Hydrocarbon oil kl	液化石油ガス LPG t	石油系炭化水素ガス Hydrocarbon gas 1000m ³	オイルコークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	Non-oil based fuels total (原油換算) Crude petroleum equivalent kl	
4,747,960	539,529	4,208,431	1,604,396	5,797,152	13,629,997	4,204,176	967,703	345,916	115,901,287	C.Y. 2019
4,500,384	544,842	3,955,542	1,601,987	4,678,102	11,983,665	3,797,069	478,362	345,616	103,131,990	C.Y. 2020
4,451,901	599,137	3,852,764	1,605,638	5,610,405	12,290,356	3,561,947	350,543	389,857	110,937,745	C.Y. 2021
4,660,719	513,172	4,147,547	1,598,227	5,613,028	13,256,575	4,117,678	895,218	351,041	115,690,085	F.Y. 2019
4,498,452	565,140	3,933,312	1,591,263	4,881,545	11,863,277	3,627,944	331,857	354,394	102,049,773	F.Y. 2020
1,170,231	135,978	1,034,253	415,598	1,289,256	3,047,865	898,258	47,978	97,474	26,185,299	Q4 2020
1,215,876	153,522	1,062,354	386,615	1,455,689	3,037,826	791,510	113,178	96,652	28,004,042	Q1 2021
999,288	135,660	863,628	345,129	1,472,368	2,821,763	775,344	47,267	91,173	27,396,653	Q2
1,067,032	143,198	923,834	415,300	1,370,175	3,163,629	997,670	83,187	96,803	27,916,422	Q3
1,169,705	166,757	1,002,948	458,594	1,312,173	3,267,138	997,423	106,911	105,229	27,620,629	Q4
387,881	47,448	340,433	138,987	416,848	980,020	283,978	1,912	34,857	8,427,135	Oct. 2020
362,134	45,811	316,323	133,250	410,847	981,491	305,149	38,112	30,369	8,536,118	Nov.
420,216	42,719	377,497	143,361	461,561	1,086,354	309,131	7,954	32,248	9,222,046	Dec.
441,635	52,620	389,015	140,359	519,934	1,088,994	290,477	27,266	30,112	9,599,252	Jan. 2021
376,521	49,496	327,025	121,162	448,496	931,638	257,391	38,906	32,709	8,748,502	Feb.
397,720	51,406	346,314	125,094	487,259	1,017,194	243,642	47,006	33,831	9,656,287	Mar.
364,961	45,652	319,309	128,099	492,229	986,902	230,100	1,360	33,981	9,066,096	Apr.
332,940	42,975	289,965	113,170	509,252	974,476	282,482	-	25,877	9,361,907	May
301,387	47,033	254,354	103,860	470,887	860,385	262,762	45,907	31,315	8,968,650	Jun.
352,503	44,135	308,368	125,643	438,896	985,554	302,281	39,512	34,473	9,362,265	Jul.
362,466	48,744	313,722	143,810	465,357	1,118,153	355,487	27,868	29,739	9,371,982	Aug.
352,063	50,319	301,744	145,847	465,922	1,059,922	339,902	15,807	32,591	9,182,175	Sep.
389,949	56,205	333,744	148,976	448,796	1,041,783	292,757	32,154	36,230	9,159,337	Oct.
398,856	60,706	338,150	149,430	408,411	1,063,073	374,361	15,607	34,831	8,997,941	Nov.
380,900	49,846	331,054	160,188	454,966	1,162,282	330,305	59,150	34,168	9,463,351	Dec.
▲ 9.4	16.7	▲ 12.3	11.7	▲ 1.4	7.0	6.8	643.7	6.0	2.6	R・S

回収黒液 Black liquor 絶乾(Dry) t	酸素 Oxygen 1000Nm ³	廃材 Waste material 絶乾(Dry) t	廃タイヤ Used tires t	廃プラスチック Waste plastic t	RPF Refuse Paper & Plastic Fuel t	電力		蒸気		Year, quarter and Month
						Electricity 1000kWh	うち購入分 among those purchased 1000kWh	Steam t	うち受入分 among those accepted t	
12,023,263	10,428,373	2,445,432	476,059	696,653	606,988	182,996,287	106,719,199	510,697,210	39,200,829	C.Y. 2019
10,723,045	8,369,666	2,387,783	479,120	696,552	634,093	168,603,903	97,344,957	477,389,893	37,517,234	C.Y. 2020
11,187,746	10,201,933	2,322,485	503,011	730,005	706,963	177,189,958	103,892,190	477,172,882	38,200,458	C.Y. 2021
12,173,561	10,408,020	2,431,349	472,663	716,091	600,302	181,331,668	105,689,336	506,936,433	39,116,779	F.Y. 2019
10,170,708	8,344,497	2,322,602	483,285	685,031	656,719	167,739,956	96,773,040	472,150,501	37,258,411	F.Y. 2020
2,645,653	2,299,007	585,909	107,110	184,512	167,036	43,070,332	25,202,409	118,927,790	9,839,144	Q4 2020
2,778,507	2,528,989	584,581	134,723	169,607	178,457	43,487,318	24,902,876	123,887,370	10,025,983	Q1 2021
2,662,076	2,537,565	541,813	112,543	179,293	167,303	43,124,637	25,886,641	111,528,807	8,831,562	Q2
2,882,299	2,567,429	596,452	137,235	186,701	185,439	45,881,914	26,622,869	121,787,450	9,307,450	Q3
2,864,864	2,567,950	599,639	118,510	194,404	175,764	44,696,089	26,479,804	119,969,255	10,035,463	Q4
920,999	738,343	190,999	25,603	61,067	49,177	14,204,172	8,488,998	38,249,814	3,160,013	Oct. 2020
812,578	753,615	202,170	35,776	61,302	58,595	14,165,615	8,287,304	38,949,329	3,218,523	Nov.
912,076	807,049	192,740	45,731	62,143	59,264	14,700,545	8,426,107	41,728,647	3,460,608	Dec.
957,475	863,224	184,362	45,130	57,233	54,846	14,844,348	8,356,270	43,544,216	3,649,001	Jan. 2021
846,607	781,047	182,598	42,412	53,192	55,288	13,698,299	7,935,158	38,664,943	3,129,072	Feb.
974,425	884,718	217,621	47,181	59,182	68,323	14,944,671	8,611,448	41,678,211	3,247,910	Mar.
925,803	805,862	192,070	35,886	60,146	53,797	14,367,097	8,516,840	38,197,730	3,115,618	Apr.
914,922	884,399	164,270	37,558	62,035	58,805	14,354,007	8,568,033	37,604,726	2,936,835	May
821,351	847,304	185,473	39,099	57,112	54,701	14,403,533	8,801,768	35,726,351	2,779,109	Jun.
925,708	844,562	196,482	47,230	60,404	57,985	15,413,982	8,996,103	39,995,575	2,977,880	Jul.
986,292	858,064	189,940	45,420	63,804	63,979	15,415,842	8,843,067	41,876,786	3,164,765	Aug.
970,299	864,803	210,030	44,585	62,493	63,475	15,052,090	8,783,699	39,915,089	3,164,805	Sep.
1,013,090	863,057	193,838	28,648	64,750	51,386	15,001,676	8,987,723	39,290,735	3,257,250	Oct.
887,414	861,864	210,552	36,892	65,026	62,366	14,561,970	8,746,745	38,691,895	3,240,617	Nov.
964,360	843,029	195,249	52,970	64,628	62,012	15,132,443	8,745,336	41,986,625	3,537,596	Dec.
5.7	4.5	1.3	15.8	4.0	4.6	2.9	3.8	0.6	2.2	R・S

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for manufacturing coke (material coal).

3. Coal coke includes pitch coke.

2. 業種別統計

Statistics by type kind of energy

(1) 業種別エネルギー消費

Energy consumption by industry

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	合計 Total		燃料計 (注1) (原油換算) Crude petroleum equivalent kl	Fuel total					
	(原油換算) Crude petroleum equivalent kl	うち指定生産品目分 Specified Products (原油換算) Crude petroleum equivalent kl		石油系燃料計		Oil based fuels total			
				(原油換算) Crude petroleum equivalent kl	原油 (注2) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯油 Kerosene kl
合計 Total	17,448,483	12,980,695	16,374,403	6,911,052	13,492	4,125	2,813,471	1,480,779	94,451
重複事業所分補正量 Duplication adjustment	362,012	-	335,001	10,206	-	127	-	-	895
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	987,476	863,438	944,098	72,198	...	7	-	-	457
化学工業 Chemical industry	6,792,483	5,538,167	6,468,485	5,228,623	13,492	18	2,785,031	1,480,779	71,555
化学繊維工業 Chemical fibers industry	181,904	42,883	156,719	38,627	...	5	-	-	198
石油製品工業 Petroleum products industry	1,353,295	1,173,060	1,312,491	1,268,051	...	18	28,440	-	9,423
窯業・土石製品工業 Ceramics, clay and stone products industry	876,145	594,577	837,295	159,198	...	34	-	-	1,649
ガラス製品工業 Glass products industry	42,909	41,662	34,001	4,259	...	-	-	-	15
鉄鋼業 Iron and steel industry	7,119,526	4,392,300	6,730,774	105,200	...	156	-	-	7,147
非鉄金属地金工業 Non-ferrous metals industry	4,049,529	76,926	3,660,777	20,449	...	5	-	-	1,433
機械工業 Machinery industry	91,172	257,681	46,408	24,654	...	4,009	-	-	3,469

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	675,256,294	502,352,902	633,689,418	267,457,739	469,522	137,775	93,688,584	49,902,252	3,447,479
重複事業所分補正量 Duplication adjustment	14,009,861	-	12,964,550	394,985	-	4,242	-	-	32,668
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	38,215,330	33,415,063	36,536,589	2,794,047	...	234	-	-	16,681
化学工業 Chemical industry	262,869,092	214,327,061	250,330,360	202,347,704	469,522	601	92,741,532	49,902,252	2,611,758
化学繊維工業 Chemical fibers industry	242,191,280	1,659,590	229,652,548	1,494,883	...	167	-	-	7,227
石油製品工業 Petroleum products industry	7,039,682	1,612,339	6,065,043	1,494,883	...	167	-	-	7,227
窯業・土石製品工業 Ceramics, clay and stone products industry	52,372,513	45,397,420	50,793,409	49,073,578	...	601	947,052	-	343,940
窯業・土石製品工業 Ceramics, clay and stone products industry	33,906,823	23,010,111	32,403,328	6,160,952	...	1,136	-	-	60,189
ガラス製品工業 Glass products industry	33,906,823	1,660,591	32,403,328	164,815	...	-	-	-	548
鉄鋼業 Iron and steel industry	1,660,591	1,612,339	1,315,855	164,815	...	-	-	-	548
鉄鋼業 Iron and steel industry	275,525,646	169,982,009	260,480,934	4,071,248	...	5,210	-	-	260,867
非鉄金属地金工業 Non-ferrous metals industry	156,716,759	2,977,047	141,672,047	791,392	...	167	-	-	52,305
機械工業 Machinery industry	3,528,356	9,972,263	1,795,980	954,106	...	133,901	-	-	126,635

注 1. 合計、化学工業、窯業・土石製品工業、鉄鋼業については、ネットの数値を下段に表示した。

2. 原油にはNGL・コンデンサートを含む。

(令和3年12月)

(石油系燃料 Oil based fuels)										(次頁へ続く)		
軽油 Gas oil kl	重油計 Heavy Fuel oil total kl	A重油 Heavy Fuel oil A kl		B・C重油 Heavy Fuel oil B・C kl		炭化水素油 Hydrocarbon oil kl	液化 石油ガス LPG t	石油系炭化 水素ガス Hydrocarbon gas 1000m ³	オイル コークス Petroleum Coke t	アスファルト Asphalt t	再生油 (石油由来) Reproduction oil (Oil origin) kl	非石油系燃料 計 Non-oil based fuels total (原油換算) Crude petroleum equivalent kl
		A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl									
21,531	380,900	49,846	331,054	160,188	454,966	1,162,282	330,305	59,150	34,168	9,463,351		
372	4,043	321	3,722	-	663	-	4,284	-	-	324,795		
337	51,395	4,425	46,970	3,338	2,013	-	9,840	-	1,661	871,900		
15,809	104,358	4,536	99,822	113,968	389,210	467,596	110,397	-	2,252	1,239,862		
12	14,964	1,377	13,587	31	485	-	25,225	-	-	118,092		
262	133,558	13,128	120,430	12,537	35,286	694,683	64,962	59,150	-	44,440		
1,118	33,904	2,668	31,236	19,553	1,808	-	80,353	-	27,342	678,098		
3	3,493	252	3,241	-	47	-	-	-	411	29,743		
2,032	26,507	12,649	13,858	7,372	18,011	3	43,702	-	93	6,625,574		
267	11,711	6,079	5,632	3,388	416	-	110	-	2,409	25,958		
2,063	5,053	5,053	-	1	8,353	-	-	-	-	154,480		

単位 Unit: GJ

818,175	15,777,255	1,939,091	13,838,164	6,407,520	22,794,085	59,276,382	10,999,157	2,366,000	1,373,554	366,231,678
14,136	168,067	12,487	155,580	-	33,216	-	142,657	-	-	12,569,564
12,806	2,135,511	172,165	1,963,346	133,520	100,851	-	327,672	-	66,772	33,742,542
600,742	4,349,010	176,450	4,172,560	4,558,720	19,499,421	23,847,396	3,676,220	-	90,530	47,982,656
456	621,502	53,565	567,937	1,240	24,299	-	839,993	-	-	4,570,160
9,956	5,544,653	510,679	5,033,974	501,480	1,767,829	35,428,833	2,163,235	2,366,000	-	1,719,831
42,484	1,409,540	103,785	1,305,755	782,120	90,581	-	2,675,755	-	1,099,148	26,242,376
114	145,277	9,803	135,474	-	2,355	-	-	-	16,522	1,151,040
77,216	1,071,332	492,051	579,281	294,880	902,574	153	1,455,277	-	3,739	256,409,687
10,144	471,910	236,492	235,418	135,520	20,842	-	3,663	-	96,842	1,004,588
78,393	196,587	196,587	-	40	418,550	-	-	-	-	5,978,364

Note 1. Net consumption is shown for Total and three industrial categories
(Chemical; Ceramics, clay and stone products; Iron and steel).
2. Crude petroleum includes NGL・condensate in liquid form.

(December, 2021)

1) 固有単位表(事業所ベース)

Table of original unit (establishment basis)

業種 Industry	燃料計(つづき) Fuel total (continued)								
	非石油系燃料(つづき) Non-oil based fuels (continued)								
	石炭 (注3) Coal t	石炭コークス (注4) Coal Coke t	タール Tar t	コークス炉 ガス Coke oven gas 1000m ³	高炉ガス Blast furnace gas 1000m ³	転炉ガス Converter furnace gas 1000m ³	電気炉ガス Electric furnace gas 1000m ³	天然ガス Natural gas 1000m ³	液化天然ガス LNG t
合計 Total	6,969,161	2,395,066	52,315	922,795	6,689,662	371,277	7,868	62,719	126,025
重複事業所分補正量 Duplication adjustment	426,080	8,415	-	-	-	-	-	10,163	2,059
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	422,500	389	...	-	-	-	-	7,568	9,519
化学工業 Chemical industry	1,368,589	14,621	42,962	99,814	111,058	-	-	42,379	58,712
化学繊維工業 Chemical fibers industry	101,703	-	...	-	-	-	-	-	1,378
石油製品工業 Petroleum products industry	34,634	-	...	-	-	-	-	5,529	10,338
窯業・土石製品工業 Ceramics, clay and stone products industry	876,690	15,990	...	25,552	1,969	17,906	557	11,441	102
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	5,651
鉄鋼業 Iron and steel industry	4,586,648	2,356,704	9,353	797,429	6,543,658	353,371	7,311	2,074	31,677
非鉄金属地金工業 Non-ferrous metals industry	4,477	15,091	...	-	32,977	-	-	-	2,369
機械工業 Machinery industry	-	686	...	-	-	-	-	3,891	8,338

2) 熱量単位表(事業所ベース)

Table of energy unit (establishment basis)

合計 Total	191,084,761	69,456,933	1,951,350	18,732,739	23,882,093	3,092,737	65,540	2,665,558	6,893,568
重複事業所分補正量 Duplication adjustment	11,120,688	244,035	-	-	-	-	-	431,928	112,627
パルプ・紙・板紙工業 Pulp, paper, paperboard industry	11,027,250	11,281	...	-	-	-	-	321,640	520,689
化学工業 Chemical industry	35,720,173	424,009	1,602,483	2,026,224	396,477	-	-	1,801,108	3,211,546
化学繊維工業 Chemical fibers industry	2,654,448	-	...	-	-	-	-	-	75,377
石油製品工業 Petroleum products industry	903,947	-	...	-	-	-	-	234,983	565,489
窯業・土石製品工業 Ceramics, clay and stone products industry	22,881,609	463,729	...	518,706	7,029	149,157	4,640	486,243	5,579
ガラス製品工業 Glass products industry	-	-	...	-	-	-	-	-	309,110
鉄鋼業 Iron and steel industry	128,901,172	68,344,416	348,867	16,187,809	23,360,859	2,943,580	60,901	88,145	1,732,732
非鉄金属地金工業 Non-ferrous metals industry	116,850	437,639	...	-	117,728	-	-	-	129,584
機械工業 Machinery industry	-	19,894	...	-	-	-	-	165,368	456,089

注 3. 石炭にはコークス製造用炭(原料炭)を含む。

4. 石炭コークスにはピッチコークスを含む。

(令和3年12月)

(非石油系燃料 Non-oil based fuels)							電力 Electricity	うち購入分 among those purchased	蒸気 Steam	うち受入分 among those accepted
都市ガス (B) Town gas	回収黒液 Black liquor	酸素 Oxygen	廃材 Waste material	廃タイヤ Used tires	廃プラスチック Waste plastic	RPF Refuse Paper & Plastic Fuel				
1000m ³	絶乾(Dry) t	1000Nm ³	絶乾(Dry) t	t	t	t	1000kWh	1000kWh	t	t
501,938	964,360	843,029	195,249	52,970	64,628	62,012	15,132,443	8,745,336	41,986,625	3,537,596
13,520	-	-	-	2,976	198	-	1,052,022	235,634	3,323,123	33,528
72,261	964,360	...	192,796	25,008	2,144	58,980	2,023,912	395,159	12,221,806	63,555
46,130	...	...	-	20,486	6,903	829	3,140,639	1,498,107	13,117,903	2,591,747
44,777	...	...	-	-	-	-	457,382	192,722	1,685,440	104,987
375	...	...	-	-	-	-	984,721	182,094	6,994,059	345,258
6,706	...	...	196	10,416	35,551	2,203	1,461,959	382,666	4,526,805	6,937
20,485	...	...	-	-	-	-	104,045	92,305	13,568	-
189,936	...	843,029	2,257	36	20,228	-	5,318,272	3,869,255	6,461,768	416,870
4,934	...	...	-	-	-	-	454,732	364,314	288,399	41,770
129,854	...	...	-	-	-	-	2,238,803	2,004,348	...	...

単位 Unit: GJ

20,629,653	13,115,296	6,002,366	3,338,758	1,758,604	1,893,600	1,668,123	54,476,795	31,483,210	112,314,224	9,463,070
555,682	-	-	-	98,803	5,801	-	3,787,279	848,282	8,889,354	89,687
2,969,927	13,115,296	...	3,296,812	830,266	62,819	1,586,562	7,286,083	1,422,572	32,693,332	170,010
1,895,943	...	...	-	680,135	202,258	22,300	11,306,300	5,393,185	35,090,391	6,932,924
1,840,335	...	...	-	-	-	-	1,646,575	693,799	4,508,552	280,840
15,413	...	...	-	-	-	-	3,544,996	655,538	18,709,108	923,565
275,617	...	...	3,352	345,811	1,041,644	59,261	5,263,052	1,377,598	12,109,204	18,556
841,930	...	...	-	-	-	-	374,562	332,298	36,294	-
7,806,370	...	6,002,366	38,595	1,195	592,680	-	19,145,779	13,929,318	17,285,230	1,115,127
202,787	...	...	-	-	-	-	1,637,035	1,311,530	771,467	111,735
5,337,014	...	...	-	-	-	-	8,059,691	7,215,653	...	...

Note 3. Coal includes the coal for making coke (material coal).

4. Coal coke includes pitch coke.

(December, 2021)

Consumption				払出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
13,209,083	7,313,279	5,655,023	240,780	1,479,325	9,171,823	Total (Crude petroleum equivalent) (Net)
5,945,966	4,430,172	1,405,001	110,792	88,139	1,506,284	Oil based fuels (Crude petroleum equivalent)
13,492	13,492	-	-	2,028	499	Crude petroleum
4,125	...	6	4,119	4	1,702	Gasoline
2,813,128	2,809,763	3,361	4	568	518,962	Naphtha
1,480,779	1,480,779	-	-	5,411	3,436	Oil produced by conversion
83,317	68,312	10,737	4,268	86	17,455	Kerosene
21,471	15,569	927	4,975	33	10,242	Gas oils
152,344	37,071	104,097	11,176	6,433	247,874	Heavy Fuel oil total
25,785	1	19,926	5,858	935	55,415	Heavy Fuel oil A
126,559	37,070	84,171	5,318	5,498	192,459	Heavy Fuel oil B・C
73,221	36,349	36,307	565	422	12,005	Hydrocarbon oil
437,040	366,228	42,625	28,187	36,474	123,529	Liquefied petroleum gas
886,618	31,778	818,717	36,123	...	...	Hydrocarbon gas
133,609	43,650	89,135	824	30,757	677,878	Petroleum coke
-	-	-	-	-	-	Asphalt
31,849	-	30,599	1,250	-	8,752	Reproduction oil (Oil origin)
7,263,117	2,883,107	4,250,022	129,988	1,391,185	7,665,539	Non-oil based fuels (Crude petroleum equivalent)
5,469,264	3,770,374	1,698,356	534	508,544	8,317,744	Coal
2,395,066	39,319	2,349,500	6,247	639,200	2,135,460	Coal coke
52,315	52,315	-	-	52,806	47,754	Tar
792,410	624	753,753	38,033	317,426	...	Coke oven gas
4,383,863	-	3,989,020	394,843	2,956,738	...	Blast furnace gas
245,079	-	223,407	21,672	156,357	...	Converter furnace gas
721	-	721	-	403	...	Electric furnaces gas
23,350	5,880	16,266	1,204	911	18	Natural gas
75,956	17,662	54,009	4,285	17,753	45,736	Liquefied natural gas
238,047	-	203,583	34,464	...	...	Town gas(A)
259,188	-	221,543	37,645	...	...	Town gas(B)
-	-	-	-	-	3,296	Black liquor
843,029	-	761,608	81,421	33,230	1,360	Oxygen
740	-	694	46	869	43,200	Waste material
7,476	36	7,440	-	-	26,630	Used tires
62,484	20,855	39,582	2,047	4,410	30,185	Waste plastic
2,203	-	2,203	-	-	16,400	Refuse Paper & Plastic Fuel
511,191,510	283,023,911	218,849,389	9,318,210	57,249,860	354,949,568	Total (Crude petroleum equivalent) (Net)
230,108,888	171,447,663	54,373,542	4,287,683	3,410,990	58,293,191	Oil based fuels (Crude petroleum equivalent)
469,522	469,522	-	-	70,574	18,100	Crude petroleum
137,775	...	200	137,575	134	56,847	Gasoline
93,677,162	93,565,108	111,921	133	18,914	17,281,435	Naphtha
49,902,252	49,902,252	-	-	182,351	115,793	Oil produced by conversion
3,041,088	2,493,388	391,918	155,782	3,139	637,110	Kerosene
815,895	591,622	35,226	189,047	1,254	389,196	Gas oils
6,293,333	1,549,565	4,293,505	450,263	266,188	10,200,503	Heavy Fuel oil total
1,003,061	39	775,141	227,881	36,372	2,155,697	Heavy Fuel oil A
5,290,273	1,549,526	3,518,364	222,383	229,816	8,044,806	Heavy Fuel oil B・C
2,928,840	1,453,960	1,452,280	22,600	16,880	480,200	Hydrocarbon oil
21,895,992	18,348,023	2,135,649	1,412,321	1,827,347	6,188,839	Liquefied petroleum gas
45,217,518	1,620,678	41,754,567	1,842,273	...	...	Hydrocarbon gas
4,449,180	1,453,545	2,968,196	27,439	1,024,208	22,573,337	Petroleum coke
-	-	-	-	-	-	Asphalt
1,280,330	-	1,230,080	50,250	-	351,830	Reproduction oil (Oil origin)
281,082,623	111,576,249	164,475,847	5,030,527	53,838,871	296,656,377	Non-oil based fuels (Crude petroleum equivalent)
151,937,449	106,643,723	45,279,789	13,937	13,636,816	227,441,347	Coal
69,456,933	1,140,251	68,135,519	181,163	18,536,800	61,928,356	Coal coke
1,951,350	1,951,350	-	-	1,969,664	1,781,224	Tar
16,085,923	12,667	15,301,186	772,070	6,443,748	...	Coke oven gas
15,650,391	-	14,240,801	1,409,590	10,555,555	...	Blast furnace gas
2,041,508	-	1,860,980	180,528	1,302,454	...	Converter furnace gas
6,006	-	6,006	-	3,357	...	Electric furnaces gas
992,375	249,900	691,305	51,170	38,718	765	Natural gas
4,154,793	966,111	2,954,292	234,390	971,089	2,501,759	Liquefied natural gas
10,652,629	-	9,105,430	1,547,199	...	...	Town gas
-	-	-	-	-	44,826	Black liquor
6,002,366	-	5,422,649	579,718	236,598	9,683	Oxygen
12,654	-	11,867	787	14,860	738,720	Waste material
248,203	1,195	247,008	-	-	884,116	Used tires
1,830,781	611,052	1,159,753	59,977	129,213	884,421	Waste plastic
59,261	-	59,261	-	-	441,160	Refuse Paper & Plastic Fuel

Note 1. Crude petroleum includes NGL・condensate in liquid form.

2. Coal includes the coal for making coke (material coal).

3. Coal coke includes pitch coke.

(December, 2021)

2) 業種別表(事業所ベース)

Table for individual industry (establishment basis)

① パルプ・紙・板紙工業

Pulp, paper, paperboard industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	988,721	944,098	859,433	48,654
石 油 系 燃 料 (原 油 換 算)	"	70,547	72,198	45,424	33
ガ ソ リ ン	"	6	7	...	...
灯 油	"	487	457	94	-
軽 油	"	345	337	3	19
重 油 計	"	50,864	51,395	33,168	14
A 重 油	"	5,196	4,425	3,892	14
B・C 重 油	"	45,668	46,970	29,276	-
炭 化 水 素 油	"	3,302	3,338	2,254	-
液 化 石 油 ガ ス	t	2,043	2,013	565	-
オ イ ル コ ー ク ス	"	8,805	9,840	7,531	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,502	1,661	247	-
非 石 油 系 燃 料 (原 油 換 算)	kl	918,173	871,900	814,010	48,621
石 炭	t	492,648	422,500	422,500	-
石 炭 コ ー ク ス	"	-	389	-	-
天 然 ガ ス	1000m ³	7,568	7,568	1,332	5,865
液 化 天 然 ガ ス	t	9,528	9,519	4,557	3,247
都 市 ガ ス (A)	1000m ³	66,974	66,974	29,261	32,626
都 市 ガ ス (B)	"	72,265	72,261	31,308	35,392
回 収 黒 液	絶乾(Dry)t	964,372	964,360	964,360	-
廃 材	"	194,501	192,796	192,252	-
廃 タ イ ヤ	t	23,318	25,008	25,008	-
廃 プ ラ ス チ ッ ク	"	2,147	2,144	2,144	-
R P F	"	58,877	58,980	58,974	6

② 化学繊維工業

Chemical fibers products industry

合 計 (原 油 換 算)	kl	178,514	156,719	108,136	36,774
石 油 系 燃 料 (原 油 換 算)	"	30,732	38,627	34,490	151
ガ ソ リ ン	"	5	5	...	...
灯 油	"	201	198	35	-
軽 油	"	13	12	-	5
重 油 計	"	17,783	14,964	11,779	145
A 重 油	"	1,317	1,377	731	145
B・C 重 油	"	16,466	13,587	11,048	-
炭 化 水 素 油	"	31	31	31	-
液 化 石 油 ガ ス	t	491	485	40	-
オ イ ル コ ー ク ス	"	12,492	25,225	25,225	-
ア ス フ ァ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	147,782	118,092	73,647	36,623
石 炭	t	145,608	101,703	101,703	-
液 化 天 然 ガ ス	"	1,433	1,378	1,245	50
都 市 ガ ス (A)	1000m ³	41,177	41,177	3,021	31,492
都 市 ガ ス (B)	"	44,779	44,777	3,104	34,418
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年12月)

Consumption ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration			払 出 Shipment	月末在庫 Inventory	Fuels
計 Total	直接加熱用 for Direct heating	その他用 for Others			
36,011	31,881	4,129	14,662	424,104	Total (Crude petroleum equivalent)
26,741	23,802	2,939	5,733	79,559	Oil based fuels (Crude petroleum equivalent)
7	...	7	-	1	Gasoline
363	311	52	-	901	Kerosene
315	2	313	13	17	Gas oils
18,213	17,232	981	5,304	63,815	Heavy Fuel oil total
519	462	57	119	6,716	Heavy Fuel oil A
17,694	16,770	924	5,185	57,099	Heavy Fuel oil B・C
1,084	1,065	19	-	5,681	Hydrocarbon oil
1,448	817	631	-	322	Liquefied petroleum gas
2,309	1,728	581	-	2,602	Petroleum coke
-	-	-	-	-	Asphalt
1,414	1,236	178	-	1,675	Reproduction oil (Oil origin)
9,269	8,079	1,190	8,930	344,545	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	12,671	439,249	Coal
389	-	389	-	211	Coal coke
371	359	12	-	...	Natural gas
1,715	1,589	126	-	729	Liquefied natural gas
5,087	4,493	594	...	...	Town gas(A)
5,561	4,914	647	...	...	Town gas(B)
-	-	-	-	3,296	Black liquor
544	498	46	869	43,200	Waste material
-	-	-	-	18,125	Used tires
-	-	-	-	3	Waste plastic
-	-	-	-	16,287	Refuse Paper & Plastic Fuel
11,809	6,779	5,030	-	244,372	Total (Crude petroleum equivalent)
3,987	2,055	1,932	-	107,307	Oil based fuels (Crude petroleum equivalent)
5	...	5	-	-	Gasoline
163	17	146	-	85	Kerosene
7	1	6	-	11	Gas oils
3,040	1,725	1,315	-	24,655	Heavy Fuel oil total
501	139	362	-	5,718	Heavy Fuel oil A
2,539	1,586	953	-	18,937	Heavy Fuel oil B・C
-	-	-	-	-	Hydrocarbon oil
445	143	302	-	90	Liquefied petroleum gas
-	-	-	-	94,017	Petroleum coke
-	-	-	-	-	Asphalt
-	-	-	-	-	Reproduction oil (Oil origin)
7,822	4,724	3,098	-	137,065	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	202,637	Coal
83	83	-	-	285	Liquefied natural gas
6,664	4,015	2,649	...	...	Town gas(A)
7,255	4,338	2,917	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(December, 2021)

③ 石油製品工業

Petroleum products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	15,009	1,312,491	368,455	179,268
石 油 系 燃 料 (原 油 換 算)	"	-	1,268,051	344,120	175,945
ガ ソ リ ン	"	...	18	...	...
ナ フ サ	"	...	28,440	-	343
灯 油	"	...	9,423	59	9,327
軽 油	"	...	262	-	-
重 油 計	"	...	133,558	106,410	1,720
A 重 油	"	...	13,128	9,723	349
B・C 重 油	"	...	120,430	96,687	1,371
炭 化 水 素 油	"	...	12,537	12,537	-
液 化 石 油 ガ ス	t	...	35,286	590	10,203
石 油 系 炭 化 水 素 ガ ス	1000m ³	...	694,683	103,884	86,517
オ イ ル コ ー ク ス	t	...	64,962	64,962	-
ア ス フ ェ ル ト	"	...	59,150	22,580	36,570
再 生 油 (石 油 由 来)	kl	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	15,009	44,440	24,335	3,323
石 炭	t	-	34,634	34,634	-
天 然 ガ ス	1000m ³	-	5,529	78	-
液 化 天 然 ガ ス	t	10,337	10,338	351	2,351
都 市 ガ ス (A)	1000m ³	343	343	340	-
都 市 ガ ス (B)	"	375	375	372	-
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

④ ガラス製品工業

Glass products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合 計 (原 油 換 算)	kl	34,081	34,001	500	2,678
石 油 系 燃 料 (原 油 換 算)	"	4,336	4,259	2	2
ガ ソ リ ン	"	-	-	...	...
灯 油	"	16	15	2	-
軽 油	"	4	3	-	-
重 油 計	"	3,570	3,493	-	2
A 重 油	"	414	252	-	2
B・C 重 油	"	3,156	3,241	-	-
液 化 石 油 ガ ス	t	46	47	-	-
ア ス フ ェ ル ト	"	-	-	-	-
再 生 油 (石 油 由 来)	kl	416	411	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	29,745	29,743	498	2,676
天 然 ガ ス	1000m ³	-	-	-	-
液 化 天 然 ガ ス	t	5,653	5,651	23	358
都 市 ガ ス (A)	1000m ³	18,875	18,875	402	1,866
都 市 ガ ス (B)	"	20,485	20,485	438	2,043
廃 プ ラ ス チ ッ ク	t	-	-	-	-
R P F	"	-	-	-	-

(令和3年12月)

Consumption				Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others	
764,768	94,074	635,075	35,619	Total (Crude petroleum equivalent)
747,986	87,408	625,948	34,629	Oil based fuels (Crude petroleum equivalent)
18	...	...	18	Gasoline
28,097	24,736	3,361	-	Naphtha
37	-	28	9	Kerosene
262	-	196	66	Gas oils
25,428	-	23,945	1,483	Heavy Fuel oil total
3,056	-	2,627	429	Heavy Fuel oil A
22,372	-	21,318	1,054	Heavy Fuel oil B・C
-	-	-	-	Hydrocarbon oil
24,493	21,121	3,372	-	Liquefied petroleum gas
504,282	29,428	449,835	25,019	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
16,782	6,665	9,127	990	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
5,451	1,512	3,679	260	Natural gas
7,636	3,541	3,599	496	Liquefied natural gas
3	-	-	3	Town gas(A)
3	-	-	3	Town gas(B)
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			払 出 Shipments	月 末 在 庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration					
計 Total	直接加熱用 for Direct heating	その他用 for Others			
30,824	30,161	663	65	4,051	Total (Crude petroleum equivalent)
4,255	4,186	69	65	4,018	Oil based fuels (Crude petroleum equivalent)
-	...	-	-	-	Gasoline
13	6	7	2	65	Kerosene
3	2	1	1	-	Gas oils
3,491	3,431	60	62	3,545	Heavy Fuel oil total
250	190	60	62	952	Heavy Fuel oil A
3,241	3,241	-	-	2,593	Heavy Fuel oil B・C
47	46	1	-	15	Liquefied petroleum gas
-	-	-	-	-	Asphalt
411	411	-	-	173	Reproduction oil (Oil origin)
26,569	25,975	594	-	33	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	...	Natural gas
5,270	5,270	-	-	23	Liquefied natural gas
16,607	16,094	513	...	...	Town gas(A)
18,004	17,445	559	...	...	Town gas(B)
-	-	-	-	-	Waste plastic
-	-	-	-	-	Refuse Paper & Plastic Fuel

(December, 2021)

⑤ 化学工業

Chemical products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注1） （ネット）	kl "	5,597,864	542,941	6,468,485 5,934,174	698,696	112,932
石油系燃料（原油換算）	"	4,484,401	-	5,228,623	271,243	52,044
原 油	"	-	...	-	-	-
N G L ・ コ ン デ ン セ ー ト	"	-	...	13,492	-	-
ガ ソ ー リ ン	"	17	...	18	...	...
ナ フ サ	"	2,648,217	...	2,785,031	-	-
改 質 生 成 油	"	1,485,388	...	1,480,779	...	...
灯 油	"	71,728	...	71,555	53	135
軽 油	"	14,357	...	15,809	-	-
重 油	"	104,800	...	104,358	56,286	739
A 重 油	"	4,498	...	4,536	2,063	739
B・C 重 油	"	100,302	...	99,822	54,223	-
炭 化 水 素 油	"	18,760	...	113,968	72,145	-
液 化 石 油 ガ ス	t	429,537	...	389,210	1,392	-
石油系炭化水素ガス（注2）	1000m ³	24,837	...	467,596	46,431	38,832
オ イ ル コ ー ク ス	t	124,441	...	110,397	82,330	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	2,252	-	2,252	2,072	-
非石油系燃料（原油換算）	kl	1,113,464	542,941	1,239,862	427,452	60,888
石 炭	t	1,249,529	-	1,368,589	544,340	-
石 炭 コ ー ク ス	"	12,941	551,397	14,621	...	-
タ ー ク ス	"	32,419	9,692	42,962	-	-
コ ー ク ス 炉 ガ ス	1000m ³	5,479	213,093	99,814	3,645	-
高 炉 ガ ス	"	111,058	-	111,058	-	-
転 炉 ガ ス	"	-	-	-	-	-
天 然 ガ ス	"	38,437	4,708	42,379	18,717	10,214
液 化 天 然 ガ ス	t	73,974	...	58,712	8,964	20,180
都 市 ガ ス （ A ）	1000m ³	44,268	...	44,268	6,178	19,619
都 市 ガ ス （ B ）	"	46,130	...	46,130	6,640	19,913
廃 タ イ ヤ	t	21,258	-	20,486	20,486	-
廃 プ ラ ス チ ック	"	2,804	4,570	6,903	-	-
R P F	"	829	-	829	829	-

⑥ 窯業・土石製品工業

Ceramics, clay and stone products industry

合計（原油換算）（注1） （ネット）	kl "	842,119	-	837,295 837,295	333,374	6,558
石油系燃料（原油換算）	"	174,336	-	159,198	15,339	833
ガ ソ ー リ ン	"	33	...	34	...	...
灯 油	"	1,718	...	1,649	138	-
軽 油	"	1,152	...	1,118	-	-
重 油	"	33,836	...	33,904	866	771
A 重 油	"	2,680	...	2,668	692	-
B・C 重 油	"	31,156	...	31,236	174	771
炭 化 水 素 油	"	19,741	...	19,553	-	-
液 化 石 油 ガ ス	t	1,829	...	1,808	-	-
オ イ ル コ ー ク ス	"	97,483	...	80,353	16,648	-
ア ス フ ァ ル ト	"	-	...	-	-	-
再 生 油 （ 石 油 由 来 ）	kl	27,490	-	27,342	-	-
非石油系燃料（原油換算）	kl	667,783	-	678,098	318,035	5,725
石 炭	t	858,902	...	876,690	459,331	-
石 炭 コ ー ク ス	"	18,447	-	15,990	-	-
コ ー ク ス 炉 ガ ス	1000m ³	25,552	-	25,552	-	-
高 炉 ガ ス	"	1,969	-	1,969	-	-
転 炉 ガ ス	"	17,906	-	17,906	-	-
電 気 炉 ガ ス	"	557	-	557	-	-
天 然 ガ ス	"	11,441	-	11,441	4,692	5,213
液 化 天 然 ガ ス	t	102	-	102	-	-
都 市 ガ ス （ A ）	1000m ³	6,203	...	6,203	517	-
都 市 ガ ス （ B ）	"	6,705	...	6,706	516	-
廃 材	絶乾(Dry)t	196	-	196	-	-
廃 タ イ ヤ	t	11,073	-	10,416	2,976	-
廃 プ ラ ス チ ック	"	34,749	-	35,551	-	-
R P F	"	2,038	-	2,203	-	-

注1. 合計（原油換算）の消費量は、原料消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下段「（ネット）」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

2. 石油系炭化水素ガスの原料消費量は、「アンモニア及びアンモニア誘導品」に使用されたもののみである。

（令和3年12月）

Consumption				払 出 Shipment	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
5,656,857	4,921,335	688,872	46,650	537,284	2,529,421	Total (Crude petroleum equivalent) (Net)
4,905,336	4,321,526	542,424	41,385	54,193	914,050	Oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	210	Crude petroleum
13,492	13,492	-	-	2,028	289	NGL・condensate
18	...	...	18	-	3	Gasoline
2,785,031	2,785,027	-	4	568	518,962	Naphtha
1,480,779	1,480,779	...	...	5,411	3,436	Oil produced by conversion
71,367	68,312	1,979	1,076	-	7,116	Kerosene
15,809	15,569	-	240	-	8,573	Gas oils
47,333	37,070	8,374	1,889	89	57,434	Heavy Fuel oil total
1,734	-	882	852	89	6,493	Heavy Fuel oil A
45,599	37,070	7,492	1,037	-	50,941	Heavy Fuel oil B・C
41,823	28,977	12,779	67	...	...	Hydrocarbon oil
387,818	345,107	24,768	17,943	36,367	91,538	Liquefied petroleum gas
382,333	2,350	368,879	11,104	...	...	Hydrocarbon gas
28,067	27,825	-	242	-	312,457	Petroleum coke
-	-	-	-	-	-	Asphalt
180	-	180	-	-	-	Reproduction oil (Oil origin)
751,521	599,808	146,448	5,265	483,090	1,615,371	Non-oil based fuels (Crude petroleum equivalent)
824,249	771,362	52,887	-	19,683	1,973,537	Coal
14,621	11,018	3,603	-	513,732	339,669	Coal coke
42,962	42,962	-	-	-	27,536	Tar
96,169	173	95,487	509	118,740	...	Coke oven gas
111,058	-	111,058	-	-	...	Blast furnace gas
-	-	-	-	-	...	Converter furnace gas
13,448	4,368	8,267	813	911	...	Natural gas
29,568	14,121	15,406	41	15,256	68	Liquefied natural gas
18,471	...	15,013	3,458	...	...	Town gas(A)
19,577	...	15,766	3,811	...	...	Town gas(B)
-	-	-	-	-	3,015	Used tires
6,903	6,705	198	-	-	827	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
497,364	8,128	480,896	8,339	12,322	931,421	Total (Crude petroleum equivalent) (Net)
143,026	3,874	134,088	5,064	2,870	181,245	Oil based fuels (Crude petroleum equivalent)
34	...	...	34	-	-	Gasoline
1,511	-	1,357	154	-	474	Kerosene
1,118	-	268	850	7	69	Gas oils
32,267	1	29,509	2,757	-	43,168	Heavy Fuel oil total
1,976	1	1,388	587	-	5,590	Heavy Fuel oil A
30,291	-	28,121	2,170	-	37,578	Heavy Fuel oil B・C
19,553	-	19,553	-	422	2,400	Hydrocarbon oil
1,808	-	1,711	97	-	194	Liquefied petroleum gas
63,705	4,501	59,203	1	2,821	146,871	Petroleum coke
-	-	-	-	-	-	Asphalt
27,342	-	26,387	955	-	5,212	Reproduction oil (Oil origin)
354,338	4,254	346,808	3,276	9,451	750,175	Non-oil based fuels (Crude petroleum equivalent)
417,359	941	415,884	534	14,002	1,076,003	Coal
15,990	4,830	11,160	-	11	19,168	Coal coke
25,552	-	25,552	-	-	...	Coke oven gas
1,969	-	1,969	-	-	...	Blast furnace gas
17,906	-	17,906	-	-	...	Converter furnace gas
557	-	557	-	-	...	Electric furnaces gas
1,536	-	1,536	-	-	...	Natural gas
102	-	38	64	-	-	Liquefied natural gas
5,686	...	3,185	2,501	...	...	Town gas(A)
6,190	...	3,530	2,660	...	...	Town gas(B)
196	-	196	-	-	-	Waste material
7,440	-	7,440	-	-	6,174	Used tires
35,551	-	35,551	-	-	6,287	Waste plastic
2,203	-	2,203	-	-	113	Refuse Paper & Plastic Fuel

Note 1. Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

2. The consumption for raw materials of the oil-based hydrocarbon gas is only a thing used for "ammonia and an ammonia derivative".

(December, 2021)

⑦ 鉄鋼業 Iron and Steel products industry

種 別	単 位 Unit	受 入 Receipts	発生・回収 又は生産 Generation, recovery and/or production	消 費		
				合 計 Total	ボイラ用 for Boilers	コージェネ レーション用 for Cogeneration
合計（原油換算）（注）	kl	4,511,859	3,071,869	6,730,774	566,596	15,826
（ネット）	〃	-	-	3,660,777	-	-
石油系燃料（原油換算）	〃	105,938	-	105,200	15,497	2,829
ガソリン	〃	160	…	156	…	…
灯油	〃	7,540	…	7,147	154	-
軽油	〃	2,082	…	2,032	-	-
重油計	〃	27,957	…	26,507	10,935	2,631
A重油	〃	13,413	…	12,649	2,645	175
B・C重油	〃	14,544	…	13,858	8,290	2,456
炭化水素油	〃	7,193	…	7,372	-	-
液化石油ガス	t	16,131	…	18,011	2,888	-
石油系炭化水素ガス	1000m ³	3	…	3	-	-
オイルコークス	t	45,358	…	43,702	…	-
アスファルト	〃	-	…	-	-	-
再生油（石油由来）	kl	93	-	93	-	-
非石油系燃料（原油換算）	kl	4,405,921	3,071,869	6,625,574	551,099	12,998
コークス製造用炭（原料炭）	t	3,241,859	…	3,282,021	-	-
石炭	〃	1,620,347	…	1,304,627	310,286	-
石炭コークス	〃	503,887	2,029,471	2,356,704	…	-
ターナル	〃	4,889	59,632	9,353	-	-
コークス炉ガス	1000m ³	130,771	881,630	797,429	126,740	-
高炉ガス	〃	143,666	9,487,246	6,543,658	2,220,505	73,114
転炉ガス	〃	3,371	531,657	353,371	126,198	-
電気炉ガス	〃	-	7,714	7,311	7,147	-
天然ガス	〃	2,076	-	2,074	319	-
液化天然ガス	t	54,516	…	31,677	2,776	1,493
都市ガス（A）	1000m ³	173,701	…	173,701	31,458	3,593
都市ガス（B）	〃	189,936	…	189,936	34,411	3,901
酸素	1000Nm ³	686,913	206,522	843,029	…	-
廃材	絶乾(Dry)t	2,257	-	2,257	2,257	-
廃タイヤ	t	36	-	36	-	-
廃プラスチック	〃	24,929	2,473	20,228	-	-
RPF	〃	-	-	-	-	-

注. 合計(原油換算)の消費量は、原料用消費などによって生産又は副次的に発生する燃料が含まれているため重複している。
なお、合計欄の下端「(ネット)」表示の数値は、調査対象事業所内で他の燃料から転換して消費した分を排除したネット消費量である。

(令和3年12月)

Consumption				払 出 Shipments	月末在庫 Inventory	Fuels
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boiler and cogeneration						
計 Total	原料用 as Materials	直接加熱用 for Direct heating	その他用 for Others			
6,148,351	2,297,026	3,745,964	105,360	914,991	5,546,482	Total (Crude petroleum equivalent)
-	-	-	-	-	-	(Net)
86,875	21,050	52,875	12,950	25,277	203,274	Oil based fuels (Crude petroleum equivalent)
156	...	5	151	4	23	Gasoline
6,993	...	5,344	1,649	84	3,700	Kerosene
2,032	...	20	2,012	12	145	Gas oils
12,941	-	12,405	536	978	47,538	Heavy Fuel oil total
9,829	...	9,454	375	665	20,026	Heavy Fuel oil A
3,112	-	2,951	161	313	27,512	Heavy Fuel oil B・C
7,372	7,372	-	-	-	2,958	Hydrocarbon oil
15,123	-	8,375	6,748	107	29,900	Liquefied petroleum gas
3	-	3	-	...	...	Hydrocarbon gas
43,702	15,608	28,094	-	27,936	124,685	Petroleum coke
-	-	-	-	-	-	Asphalt
93	-	93	-	-	696	Reproduction oil (Oil origin)
6,061,476	2,275,977	3,693,089	92,410	889,714	5,343,209	Non-oil based fuels (Crude petroleum equivalent)
3,282,021	2,941,772	340,249	-	129,935	3,695,796	Coal for making coke (material coal)
994,341	56,595	937,746	-	332,253	1,706,115	Coal
2,356,704	28,005	2,324,169	4,530	125,457	1,778,131	Coal coke
9,353	9,353	-	-	52,806	20,218	Tar
670,689	451	632,714	37,524	198,686	...	Coke oven gas
4,250,039	-	3,855,196	394,843	2,956,738	...	Blast furnace gas
227,173	-	205,501	21,672	156,357	...	Converter furnace gas
164	-	164	-	403	...	Electric furnaces gas
1,755	-	1,696	59	-	18	Natural gas
27,408	-	24,478	2,930	2,497	44,083	Liquefied natural gas
138,650	...	132,189	6,461	...	...	Town gas(A)
151,624	...	144,554	7,070	...	...	Town gas(B)
843,029	-	761,608	81,421	33,230	1,360	Oxygen
-	-	-	-	-	-	Waste material
36	36	-	-	-	67	Used tires
20,228	14,150	4,031	2,047	4,410	23,895	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel

Note Because production or fuel occurring subsidiarity is included by consumption for raw materials, the total (crude petroleum equivalent) consumption repeats. In addition, it is the net consumption that removed the thing that the numerical value of the lower berth (net) indication of the total column switches it from other fuel in subjects of survey establishment and used.

(December, 2021)

⑧ 非鉄金属地金工業 Non-ferrous metals products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	59,827	46,408	2,821	190
石 油 系 燃 料 (原 油 換 算)	"	21,192	20,449	1,199	190
ガソリン	"	5	5	...	...
灯油	"	1,477	1,433	72	-
軽油	"	263	267	-	-
重油計	"	12,506	11,711	1,114	177
A重油	"	6,680	6,079	958	21
B・C重油	"	5,826	5,632	156	156
炭化水素油	"	3,437	3,388	-	-
液化石油ガス	t	431	416	-	-
オイルコークス	"	122	110	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	2,227	2,409	-	-
非石油系燃料 (原油換算)	kl	38,635	25,958	1,622	-
石炭	t	26,202	4,477	-	-
石炭	"	16,578	15,091	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	32,977	12,180	-
転炉ガス	"	-	-	-	-
天然ガス	"	-	-	-	-
天燃气	t	2,335	2,369	176	-
液都都	1000m³	4,690	4,690	212	-
都市ガス (A)	"	4,935	4,934	235	-
都市ガス (B)	"	-	-	-	-
廃プラ	t	-	-	-	-
廃ラ	"	-	-	-	-
R P	"	-	-	-	-

⑨ 機械工業 Machinery products industry

種 別	単 位 Unit	受 入 Receipts	消 費		
			合 計 Total	ボイラ用 for Boilers	コージェネレーション用 for Cogeneration
合 計 (原 油 換 算)	kl	179,046	179,133	35,208	60,520
石 油 系 燃 料 (原 油 換 算)	"	24,511	24,654	5,721	177
ガソリン	"	4,009	4,009	...	...
灯油	"	3,558	3,469	1,083	-
軽油	"	2,076	2,063	-	33
重油計	"	4,783	5,053	1,780	144
A重油	"	4,783	5,053	1,780	144
B・C重油	"	-	-	-	-
炭化水素油	"	1	1	-	-
液化石油ガス	t	8,378	8,353	2,248	-
石油系炭化水素ガス	1000m³	-	-	-	-
オイルコークス	t	-	-	-	-
アスファルト	"	-	-	-	-
再生油 (石油由来)	kl	-	-	-	-
非石油系燃料 (原油換算)	kl	154,535	154,480	29,487	60,343
石炭	t	-	-	-	-
石炭	"	716	686	-	-
コークス	1000m³	-	-	-	-
高炉ガス	"	-	-	-	-
転炉ガス	"	-	-	-	-
天然ガス	"	3,891	3,891	590	2,212
天燃气	t	8,361	8,338	927	3,947
液都都	1000m³	118,868	118,868	23,707	45,046
都市ガス (A)	"	129,854	129,854	25,921	49,279
都市ガス (B)	"	-	-	-	-
廃プラ	t	-	-	-	-
廃ラ	"	-	-	-	-
R P	"	-	-	-	-

(令和3年12月)

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
43,397	40,210	3,186	30,193	Total (Crude petroleum equivalent)
19,060	17,207	1,854	8,484	Oil based fuels (Crude petroleum equivalent)
5	...	5	2	Gasoline
1,361	1,033	328	456	Kerosene
267	3	264	14	Gas oils
10,420	9,882	538	5,611	Heavy Fuel oil total
5,100	4,580	520	2,551	Heavy Fuel oil A
5,320	5,302	18	3,060	Heavy Fuel oil B・C
3,388	2,910	478	966	Hydrocarbon oil
416	321	95	71	Liquefied petroleum gas
110	110	-	51	Petroleum coke
-	-	-	-	Asphalt
2,409	2,292	117	996	Reproduction oil (Oil origin)
24,336	23,003	1,333	21,709	Non-oil based fuels (Crude petroleum equivalent)
4,477	4,477	-	24,078	Coal
15,091	13,763	1,328	7,132	Coal coke
-	-	-	...	Coke oven gas
20,797	20,797	-	...	Blast furnace gas
-	-	-	...	Electric furnaces gas
-	-	-	...	Natural gas
2,193	1,954	239	89	Liquefied natural gas
4,478	4,478	-	...	Town gas(A)
4,699	4,699	-	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

Consumption			月末在庫 Inventory	Fuel
ボイラ用及びコージェネレーション用以外に使用したもの for purposes other than boilers and cogeneration				
計 Total	直接加熱用 for Direct heating	その他用 for Others		
83,405	47,773	35,632	20,747	Total (Crude petroleum equivalent)
18,755	6,709	12,046	20,026	Oil based fuels (Crude petroleum equivalent)
4,009	1	4,008	1,690	Gasoline
2,386	1,472	914	5,033	Kerosene
2,030	435	1,595	1,451	Gas oils
3,129	499	2,630	10,508	Heavy Fuel oil total
3,129	499	2,630	10,371	Heavy Fuel oil A
-	-	-	137	Heavy Fuel oil B・C
1	-	1	-	Hydrocarbon oil
6,105	3,392	2,713	1,408	Liquefied petroleum gas
-	-	-	...	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
64,650	41,064	23,587	721	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	Coal
686	686	-	96	Coal coke
-	-	-	...	Coke oven gas
-	-	-	...	Blast furnace gas
-	-	-	...	Converter furnace gas
1,089	1,029	60	...	Natural gas
3,464	2,895	569	459	Liquefied natural gas
50,115	30,529	19,586	...	Town gas(A)
54,654	33,265	21,390	...	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel

(December, 2021)

(3) 電力受払 Electricity input and output

種 別	購 入 電 力 及 び 自 家 発 電				
	計	購入電力(買電)	自 家 発 電		
			計	火 力	コージェネレーション
Total	Purchase	Total	Thermal	Cogeneration	
合 計(注1)	17,728,918	8,745,336	8,983,582	6,629,330	1,516,330
事業所重複分補正量	1,173,322	235,634	937,688	868,400	36,897
パルプ・紙・板紙工業	2,291,900	395,159	1,896,741	1,714,555	154,243
化学工業	3,671,518	1,498,107	2,173,411	1,679,985	350,001
化学繊維工業	519,837	192,722	327,115	207,106	118,666
石油製品工業	1,684,330	182,094	1,502,236	865,649	611,545
窯業・土石製品工業	1,695,520	382,666	1,312,854	1,181,415	21,137
ガラス製品工業	104,111	92,305	11,806	-	8,344
鉄鋼業(注2)	6,217,502	3,869,255	2,348,247	1,846,261	53,684
非鉄金属地金工業	476,261	364,314	111,947	2,744	988
機械工業	2,241,261	2,004,348	236,913	15	234,619

注1. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

2. 鉄鋼業の下段の「(炉頂圧)」は炉頂圧発電で「その他発電」の内数である。

(4) 蒸気受払 Steam input and output

種 別	受 入 及 び 蒸 気 発 生 Receipts and Product of Steam				
	計	受 入	蒸 気 発 生 Generation		
			計	一次蒸気	一次蒸気 Other than コージェネレーション
Total	Receipts	Total	Primary steam	Cogeneration	
合 計(注)	44,137,179	3,537,596	40,599,583	33,016,635	2,649,820
事業所重複分補正量	3,408,273	33,528	3,374,745	3,291,704	56,535
パルプ・紙・板紙工業	12,299,044	63,555	12,235,489	11,863,231	323,125
化学工業	14,547,782	2,591,747	11,956,035	9,163,873	990,547
化学繊維工業	1,714,880	104,987	1,609,893	1,388,040	213,348
石油製品工業	7,309,359	345,258	6,964,101	5,267,579	1,063,686
窯業・土石製品工業	4,618,012	6,937	4,611,075	4,333,611	38,111
ガラス製品工業	13,568	-	13,568	6,041	7,527
鉄鋼業	6,739,495	416,870	6,322,625	4,245,685	69,508
非鉄金属地金工業	303,312	41,770	261,542	40,279	503

注. 業種を積み上げた「合計」は、本調査対象業種を兼業している事業所があるため重複排除を行っており、

この重複分は「事業所重複分補正量」として計上してある。

(令和3年12月)

単位 Unit: 1000kWh

Purchase and Generation by own power station		消 費	販売電力(売電)	Industry
Generation by own power station				
水 力	そ の 他	Consumptions	Shipment	
Hydraulic	Other			
172,388	665,534	15,132,443	2,596,475	Total
29,817	2,574	1,052,022	121,300	Duplication adjustment
23,933	4,010	2,023,912	267,988	Pulp,Paper,Paperboard industry
59,062	84,363	3,140,639	530,879	Chemical products industry
-	1,343	457,382	62,455	Chemical fibers products industry
...	25,042	984,721	699,609	Petroleum products industry
29,817	80,485	1,461,959	233,561	Ceramics,clay and stone products industry
3,455	7	104,045	66	Glass products industry
74	448,228	5,318,272	899,230	Iron and steel products industry
	(炉頂圧) 243,143			
85,864	22,351	454,732	21,529	Non-ferrous metals products industry
...	2,279	2,238,803	2,458	Machinery products industry

Note 1. Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

2. The furnace top pressure to be written on the lower berth of the steel industry is a number among "other generation" by furnace top pressure generation.

単位 Unit: t

以外 primary steam	消 費 Consumptions				払 出	Industry
	計	生産工工程用	自家発電用	その他用		
そ の 他 Other	Total	for Production	for Private Power generation	Other	Shipment	
4,933,128	41,986,625	20,150,841	19,020,135	2,815,649	2,150,554	Total
26,506	3,323,123	930,577	2,391,614	932	85,150	Duplication adjustment
49,133	12,221,806	5,670,938	6,214,274	336,594	77,238	Pulp,Paper,Paperboard industry
1,801,615	13,117,903	8,123,194	4,475,588	519,121	1,429,879	Chemical products industry
8,505	1,685,440	903,413	739,020	43,007	29,440	Chemical fibers products industry
632,836	6,994,059	3,637,861	2,905,832	450,366	315,300	Petroleum products industry
239,353	4,526,805	834,499	3,650,787	41,519	91,207	Ceramics,clay and stone products industry
-	13,568	12,424	-	1,144	-	Glass products industry
2,007,432	6,461,768	1,749,497	3,395,238	1,317,033	277,727	Iron and steel products industry
220,760	288,399	149,592	31,010	107,797	14,913	Non-ferrous metals products industry

Note Because there is an establishment running a type of industry simultaneously, "the total" that piled up a type of industry removes overlap, and this overlap share is included for "revision quantity for an overlap establishment".

(December, 2021)

3. 指定生産品目別統計

Statistic by Specified Products

(1) 指定生産品目別エネルギー消費

Energy Consumption by Specified Products

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Pulp, paper, paperboard industry							化学繊維 工 業
		パルプ・紙・ 板紙工業	Pulp, paper, paperboard				その他の紙 製 品 Other paper products	その他の 製 品 Others	
			パルプ・紙・ 板紙	パルプ Pulp	紙 Paper	板紙 Paperboard			
合 計 (原 油 換 算) (注 1)	kl	616,265	605,099	205,946	258,361	140,792	2,473	8,693	116,800
石 油 系 燃 料 (原 油 換 算)	〃	26,741	26,178	22,767	3,181	230	309	254	3,987
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	363	320	5	307	8	26	17	163
軽 油	〃	315	285	154	82	49	6	24	7
重 油 計	〃	18,213	17,753	17,086	587	80	255	205	3,040
A 重 油	〃	519	311	19	213	79	3	205	501
B・C 重 油	〃	17,694	17,442	17,067	374	1	252	-	2,539
炭 化 水 素 油	〃	1,084	1,084	1,084	-	-	-	-	-
液 化 石 油 ガ ス	t	1,448	1,440	8	1,412	20	3	5	445
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	2,309	2,309	2,005	304	-	-	-	-
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,414	1,414	1,252	97	65	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	9,269	9,093	1,760	6,384	949	62	115	7,821
石 炭	t	-	-	-	-	-	-	-	-
石 炭 コ ー ク ス	〃	389	389	389	-	-	-	-	-
天 然 ガ ス	1000m ³	371	371	-	371	-	-	-	-
液 化 天 然 ガ ス	t	1,715	1,715	869	633	213	-	-	83
都 市 ガ ス (A)	1000m ³	5,087	4,929	-	4,378	551	53	105	6,664
都 市 ガ ス (B) (注 2)	〃	5,561	5,395	-	4,785	610	58	108	7,254
回 収 黒 液	絶乾(Dry)t	-	-	-	-	-	-	-	-
廃 材	〃	544	544	544	-	-	-	-	-
廃 タ イ ヤ	t	-	-	-	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-	-	-	-
R P F	〃	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh 気 t	2,023,912	1,941,743	540,178	925,592	475,973	11,078	71,091	457,382
		5,670,938	5,630,682	1,897,665	2,353,754	1,379,263	15,503	24,753	903,413

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算) (注 1)	kl	884,995	863,438	297,329	377,368	188,741	3,086	18,471	167,224
石 油 系 燃 料 (原 油 換 算)	〃	67,166	65,366	35,916	22,606	6,844	385	1,416	36,080
ガ ソ リ ン	〃	7	5	2	3	-	-	2	5
ナ フ サ	〃	-	-	-	-	-	-	-	-
灯 油	〃	430	385	8	311	66	28	17	198
軽 油	〃	331	288	154	82	52	6	37	12
重 油 計	〃	47,815	46,411	25,792	14,466	6,153	275	1,129	13,230
A 重 油	〃	3,973	3,466	273	2,594	599	22	485	1,217
B・C 重 油	〃	43,843	42,945	25,519	11,872	5,554	252	644	12,013
炭 化 水 素 油	〃	3,205	3,050	1,887	1,163	-	-	155	27
液 化 石 油 ガ ス	t	2,013	1,964	8	1,936	20	44	5	485
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	8,681	8,680	5,287	3,393	-	-	-	24,431
ア ス フ ェ ル ト	〃	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	1,629	1,619	1,356	163	100	-	11	-
非 石 油 系 燃 料 (原 油 換 算)	kl	774,719	757,115	255,856	331,274	169,985	1,687	15,917	105,960
石 炭	t	364,523	363,690	115,492	160,847	87,351	500	334	97,643
石 炭 コ ー ク ス	〃	389	389	389	-	-	-	-	-
天 然 ガ ス	1000m ³	7,410	7,410	1,901	4,979	530	-	-	-
液 化 天 然 ガ ス	t	8,041	7,822	869	1,139	5,814	219	-	1,292
都 市 ガ ス (A)	1000m ³	61,564	56,685	366	19,271	37,048	800	4,079	33,198
都 市 ガ ス (B) (注 2)	〃	66,367	61,101	401	20,423	40,277	813	4,452	36,046
回 収 黒 液	絶乾(Dry)t	898,505	875,486	393,930	434,453	47,103	277	22,743	-
廃 材	〃	153,961	150,787	43,243	48,402	59,142	171	3,003	-
廃 タ イ ヤ	t	21,286	20,628	8,105	8,192	4,331	-	657	-
廃 プ ラ ス チ ッ ク	〃	2,105	2,101	1,197	868	36	-	4	-
R P F	〃	50,299	48,744	12,272	17,667	18,805	6	1,550	-
電 蒸	力 1000kWh 気 t	416,204	396,775	59,741	212,685	124,349	7,198	12,230	192,722
		63,555	58,576	-	53,582	4,994	4,979	-	104,987

注1. 原油換算値は38.2MJ/lである。

2. 都市ガス(A)は単純集計値、都市ガス(B)は41.1MJ/m³換算値である。

(令和3年12月)

Chemical fibers products industry			Petroleum products industry			Glass products industry			Kind of energy
化学繊維 Chemical fibres	その他の繊維製品 Other textiles	その他の製品 Others	石油製品 工業	石油製品 Petroleum	その他の製品 Others	ガラス製品 工業	ガラス製品 Glass	その他の製品 Others	
34,831	676	81,293	1,107,824	1,099,417	8,408	41,361	40,325	1,036	Total (Crude petroleum equivalent)
1,120	13	2,854	747,986	747,891	94	4,255	4,151	104	Oil based fuels (Crude petroleum equivalent)
1	-	4	18	13	5	-	-	-	Gasoline
-	-	-	28,097	28,097	-	-	-	-	Naphtha
63	-	100	37	32	5	13	10	3	Kerosene
3	-	4	262	214	48	3	3	-	Gas oils
924	-	2,116	25,428	25,428	-	3,491	3,390	101	Heavy Fuel oil total
59	-	442	3,056	3,056	-	250	149	101	Heavy Fuel oil A
865	-	1,674	22,372	22,372	-	3,241	3,241	-	Heavy Fuel oil B・C
-	-	-	-	-	-	-	-	-	Hydrocarbon oil
49	10	386	24,493	24,493	-	47	47	-	Liquefied petroleum gas
-	-	-	504,282	504,253	29	-	-	-	Hydrocarbon gas
-	-	-	-	-	-	-	-	-	Petroleum coke
-	-	-	-	-	-	-	-	-	Asphalt
-	-	-	-	-	-	411	411	-	Reproduction oil (Oil origin)
592	5	7,224	16,782	16,782	-	26,569	26,435	134	Non-oil based fuels (Crude petroleum equivalent)
-	-	-	-	-	-	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,451	5,451	-	-	-	-	Natural gas
83	-	-	7,636	7,636	-	5,270	5,270	-	Liquefied natural gas
413	5	6,246	3	3	-	16,607	16,492	115	Town gas(A)
447	5	6,802	3	3	-	18,004	17,878	126	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
120,169	3,778	333,435	984,721	903,392	81,329	104,045	95,463	8,582	Electricity
317,423	4,427	581,563	3,637,861	3,627,041	10,820	12,424	12,424	-	Steam
42,883	778	123,563	1,189,705	1,173,060	16,645	42,699	41,662	1,036	Total (Crude petroleum equivalent)
10,792	219	25,070	1,105,207	1,089,953	15,254	4,257	4,152	104	Oil based fuels (Crude petroleum equivalent)
1	-	4	18	13	5	-	-	-	Gasoline
-	-	-	28,317	28,283	34	-	-	-	Naphtha
63	-	135	7,120	6,560	560	15	12	3	Kerosene
3	-	8	262	214	48	3	3	-	Gas oils
3,885	92	9,253	104,004	101,860	2,144	3,491	3,390	101	Heavy Fuel oil total
324	78	815	13,022	12,946	75	250	149	101	Heavy Fuel oil A
3,560	14	8,438	90,983	88,914	2,069	3,241	3,241	-	Heavy Fuel oil B・C
23	-	4	10,468	10,468	-	-	-	-	Hydrocarbon oil
49	10	426	31,944	31,061	882	47	47	-	Liquefied petroleum gas
-	-	-	642,473	638,193	4,281	-	-	-	Hydrocarbon gas
7,518	130	16,784	36,982	35,721	1,261	-	-	-	Petroleum coke
-	-	-	30,794	26,474	4,320	-	-	-	Asphalt
-	-	-	-	-	-	411	411	-	Reproduction oil (Oil origin)
18,937	75	86,948	43,695	43,515	180	29,540	29,407	134	Non-oil based fuels (Crude petroleum equivalent)
17,583	-	80,060	34,029	33,897	132	-	-	-	Coal
-	-	-	-	-	-	-	-	-	Coal coke
-	-	-	5,527	5,527	-	-	-	-	Natural gas
1,089	-	204	10,100	10,100	-	5,535	5,535	-	Liquefied natural gas
4,805	66	28,328	343	265	78	18,843	18,728	115	Town gas(A)
5,216	70	30,759	376	290	85	20,449	20,323	126	Town gas(B)
-	-	-	-	-	-	-	-	-	Black liquor
-	-	-	-	-	-	-	-	-	Waste material
-	-	-	-	-	-	-	-	-	Used tires
-	-	-	-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel
77,536	3,179	112,007	182,094	174,941	7,153	95,694	87,112	8,582	Electricity
85,969	2,729	16,289	345,258	337,359	7,899	-	-	-	Steam

Note 1. Crude oil's conversion rate is 38.2MJ/L.

2. Figures of Town gas (A) are simple tot Conversion rate for town gas (B) is 41.1MJ/m³.

(December, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単 位 Unit	Chemical industry				
		化学工業	Chemical products industry		Petrochemical products	
			化学工業製品	石油化学製品	原料用 as Materials	動力・燃料用等 For driving power, fuels.
合 計 (原 油 換 算)	kl	6,510,494	5,534,173	5,356,385	4,291,096	1,065,289
石 油 系 燃 料 (原 油 換 算)	"	4,905,336	4,848,619	4,823,080	4,287,464	535,617
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	13,492	13,462	13,462	13,462	-
ガソリン	"	18	2	2	...	2
ナフサ	"	2,785,031	2,776,368	2,776,368	2,776,368	-
改質生成油	"	1,480,779	1,480,779	1,480,779	1,480,779	...
灯油	"	71,367	67,869	67,869	67,666	203
軽油	"	15,809	15,545	15,545	15,544	1
重油	"	47,333	38,907	38,907	37,039	1,868
A重油	"	1,734	512	512	-	512
B・C重油	"	45,599	38,395	38,395	37,039	1,356
炭化水素油	"	41,823	36,731	36,731	27,155	9,576
液化石油ガス	t	387,818	370,892	370,674	345,442	25,232
石油系炭化水素ガス	1000m ³	382,333	379,054	374,400	1,908	372,492
オイルコークス	t	28,067	22,290	66	66	-
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	180	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	751,519	55,937	26,795	3,633	23,162
石炭	t	824,249	74	-	-	-
石炭コークス	"	14,621	2,802	-	...	-
タール	"	42,962	-	-	-	-
コークス炉ガス	1000m ³	96,169	1,081	148	-	148
高転炉ガス	"	111,058	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	13,448	6,224	6,085	-	6,085
液化天然ガス	t	29,568	24,624	10,577	2,570	8,007
都市ガス(A)	1000m ³	18,471	7,157	4,428	...	4,428
都市ガス(B)	"	19,577	7,647	4,788	...	4,788
廃プラスチック	t	-	-	-	-	-
廃プラスチック	"	6,903	4,570	-	-	-
RPF	"	-	-	-	-	-
電 力	1000kWh	3,140,639	2,094,564	1,128,953	...	1,128,953
蒸 気	t	8,123,194	6,289,997	5,808,484	...	5,808,484

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,617,925	5,538,167	5,304,546	4,291,096	1,013,450
石 油 系 燃 料 (原 油 換 算)	"	5,122,288	5,026,645	4,986,169	4,287,464	698,705
原 油	"	-	-	-	-	-
NGL・コンデンセート	"	13,492	13,462	13,462	13,462	-
ガソリン	"	18	2	2	-	2
ナフサ	"	2,785,031	2,776,368	2,776,368	2,776,368	-
改質生成油	"	1,480,779	1,480,779	1,480,779	1,480,779	-
灯油	"	71,536	68,032	68,030	67,666	364
軽油	"	15,809	15,545	15,545	15,544	1
重油	"	86,978	71,894	68,369	37,039	31,330
A重油	"	3,786	2,192	1,583	-	1,583
B・C重油	"	83,192	69,703	66,787	37,039	29,748
炭化水素油	"	89,950	83,091	82,999	27,155	55,844
液化石油ガス	t	388,478	371,461	371,153	345,442	25,711
石油系炭化水素ガス	1000m ³	449,281	432,432	425,630	1,908	423,722
オイルコークス	t	66,592	46,950	15,276	66	15,210
アスファルト	"	-	-	-	-	-
再生油(石油由来)	kl	2,252	2,072	2,072	-	2,072
非 石 油 系 燃 料 (原 油 換 算)	kl	1,172,270	269,515	125,814	3,633	122,182
石炭	t	1,288,988	212,037	65,068	-	65,068
石炭コークス	"	14,621	2,802	-	-	-
タール	"	42,962	-	-	-	-
コークス炉ガス	1000m ³	99,710	1,821	345	-	345
高転炉ガス	"	111,058	-	-	-	-
転炉ガス	"	-	-	-	-	-
天然ガス	"	42,128	15,518	9,148	-	9,148
液化天然ガス	t	53,192	45,179	27,580	2,570	25,010
都市ガス(A)	1000m ³	42,711	24,120	19,102	-	19,102
都市ガス(B)	"	44,453	24,624	19,324	-	19,324
廃プラスチック	t	15,830	14,421	13,547	-	13,547
廃プラスチック	"	6,903	4,570	-	-	-
RPF	"	829	829	829	-	829
電 力	1000kWh	1,550,382	1,073,453	607,611	-	607,611
蒸 気	t	2,591,747	2,056,534	1,968,144	-	1,968,144

(令和3年12月)

(化学工業製品 Chemicals products industry)				ソーダ工業製品 Soda products	その他の製品 Others	Kind of energy
Ammonia and ammonia-derived products						
アンモニア及び アンモニア誘導品	原料用 as Materials	動力・燃料用等 For driving power, fuels				
73,238	38,608	34,630	104,550	976,321	Total	(Crude petroleum equivalent)
25,538	19,123	6,415	-	56,717	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	30	Natural gas liquids
-	...	-	-	-	16	Gasoline
-	-	-	-	-	8,663	Naphtha
-	...	...	...	...	-	Oil produced by conversion
-	-	-	-	-	3,498	Kerosene
-	-	-	-	-	264	Gas oils
-	-	-	-	-	8,426	Heavy Fuel oil total
-	-	-	-	-	1,222	Heavy Fuel oil A
-	-	-	-	-	7,204	Heavy Fuel oil B・C
-	-	-	-	-	5,092	Hydrocarbon oil
218	-	218	-	-	16,926	Liquefied petroleum gas
4,654	-	4,654	-	-	3,279	Hydrocarbon gas
22,224	22,224	-	-	-	5,777	Petroleum coke
-	-	-	-	-	-	Asphalt
-	-	-	-	-	180	Reproduction oil (Oil origin)
26,835	19,485	7,350	2,308	695,582	Non-oil based fuels	(Crude petroleum equivalent)
74	74	-	-	824,175	Coal	
-	...	-	2,802	11,819	Coal coke	
-	-	-	-	42,962	Tar	
933	-	933	-	95,088	Coke oven gas	
-	-	-	-	111,058	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
-	-	-	139	7,224	Natural gas	
14,047	11,302	2,745	-	4,944	Liquefied natural gas	
2,679	...	2,679	50	11,314	Town gas(A)	
2,807	...	2,807	52	11,928	Town gas(B)	
-	-	-	-	-	Used tires	
4,570	4,570	-	-	2,333	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
65,057	...	65,057	900,554	1,046,075	Electricity	
214,298	...	214,298	267,215	1,833,197	Steam	
75,989	38,608	37,381	157,632	1,079,758	Total	(Crude petroleum equivalent)
32,926	19,123	13,803	7,550	95,643	Oil based fuels	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	30	Natural gas liquids
-	-	-	-	-	16	Gasoline
-	-	-	-	-	8,663	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	-	-	2	3,504	Kerosene	
-	-	-	-	264	Gas oils	
2,569	-	2,569	956	15,084	Heavy Fuel oil total	
262	-	262	347	1,595	Heavy Fuel oil A	
2,306	-	2,306	610	13,489	Heavy Fuel oil B・C	
58	-	58	35	6,859	Hydrocarbon oil	
218	-	218	90	17,017	Liquefied petroleum gas	
6,789	-	6,789	14	16,849	Hydrocarbon gas	
24,270	22,224	2,046	7,404	19,642	Petroleum coke	
-	-	-	-	-	Asphalt	
-	-	-	-	180	Reproduction oil (Oil origin)	
37,187	19,485	17,702	106,514	902,755	Non-oil based fuels	(Crude petroleum equivalent)
7,076	74	7,002	139,893	1,076,951	Coal	
-	-	-	2,802	11,819	Coal coke	
-	-	-	-	42,962	Tar	
1,475	-	1,475	-	97,889	Coke oven gas	
-	-	-	-	111,058	Blast furnace gas	
-	-	-	-	-	Converter furnace gas	
3,644	-	3,644	2,726	26,610	Natural gas	
14,939	11,302	3,637	2,660	8,013	Liquefied natural gas	
2,753	-	2,753	2,265	18,592	Town gas(A)	
2,885	-	2,885	2,415	19,828	Town gas(B)	
-	-	-	874	1,409	Used tires	
4,570	4,570	-	-	2,333	Waste plastic	
-	-	-	-	-	Refuse Paper & Plastic Fuel	
36,698	-	36,698	429,144	476,928	Electricity	
35,627	-	35,627	52,763	535,213	Steam	

(December, 2021)

1) 直接投入エネルギー表

Table of direct input energy

種 別	単位 Unit	Ceramics, clay and stone products industry				
		窯業・土石製品 工 業	窯業・土石製品	セメント	Ceramics, clay and stone products	
					焼成用 For sintering	その他用 for Others
合 計 (原 油 換 算)	kl	691,041	543,838	451,092	389,548	61,544
石 油 系 燃 料 (原 油 換 算)	"	143,026	132,133	89,822	87,399	2,423
ガ ソ リ ン	"	34	27	22	...	22
灯 油	"	1,511	899	381	327	54
軽 油	"	1,118	671	545	203	342
重 油 計	"	32,267	30,208	3,156	1,544	1,612
A 重 油	"	1,976	1,593	816	522	294
B・C 重 油	"	30,291	28,615	2,340	1,022	1,318
炭 化 水 素 油	"	19,553	19,553	18,742	18,530	212
液 化 石 油 ガ ス	t	1,808	316	1	-	1
オ イ ル コ ー ク ス	"	63,705	59,166	51,860	51,860	-
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	27,342	25,572	20,760	20,685	75
非 石 油 系 燃 料 (原 油 換 算)	kl	354,336	346,639	304,680	302,149	2,531
石 炭	t	417,359	414,931	399,698	399,164	534
石 炭 コ ー ク ス	"	15,990	10,359	520	520	-
コ ー ク ス 炉 ガ ス	1000m ³	25,552	25,552	133	-	133
高 炉 ガ ス	"	1,969	1,969	78	-	78
転 炉 ガ ス	"	17,906	17,906	3,657	-	3,657
電 気 炉 ガ ス	"	557	557	-	-	-
天 然 ガ ス	"	1,536	1,536	-	-	-
液 化 天 然 ガ ス	t	102	102	-	-	-
都 市 ガ ス (A)	1000m ³	5,686	4,867	1,623	449	1,174
都 市 ガ ス (B)	"	6,189	5,309	1,722	492	1,230
廃 材	絶乾(Dry)t	196	196	196	196	-
廃 タ イ ヤ	t	7,440	7,440	7,440	7,440	-
廃 プ ラ ス チ ッ ク	"	35,551	34,354	33,468	33,468	-
R P F	"	2,203	2,203	324	324	-
電 力	1000kWh	1,461,959	641,816	569,079	...	569,079
蒸 気	t	834,499	77,584	52,845	...	52,845

2) 一次投入燃料換算表

Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	825,658	594,576	502,293	389,548	112,746
石 油 系 燃 料 (原 油 換 算)	"	158,647	147,377	104,180	87,399	16,781
ガ ソ リ ン	"	34	27	22	-	22
灯 油	"	1,649	1,037	381	327	54
軽 油	"	1,118	671	545	203	342
重 油 計	"	33,418	31,107	3,319	1,544	1,775
A 重 油	"	2,640	2,255	923	522	401
B・C 重 油	"	30,778	28,851	2,396	1,022	1,374
炭 化 水 素 油	"	19,553	19,553	18,742	18,530	212
液 化 石 油 ガ ス	t	1,808	316	1	-	1
オ イ ル コ ー ク ス	"	80,320	75,661	68,351	51,860	16,491
ア ス フ ァ ル ト	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	27,342	25,572	20,760	20,685	75
非 石 油 系 燃 料 (原 油 換 算)	kl	628,176	420,017	377,677	302,149	75,528
石 炭	t	803,507	513,622	498,171	399,164	99,007
石 炭 コ ー ク ス	"	15,990	10,359	520	520	-
コ ー ク ス 炉 ガ ス	1000m ³	25,552	25,552	133	-	133
高 炉 ガ ス	"	1,969	1,969	78	-	78
転 炉 ガ ス	"	17,906	17,906	3,657	-	3,657
電 気 炉 ガ ス	"	557	557	-	-	-
天 然 ガ ス	"	11,441	7,417	5,805	-	5,805
液 化 天 然 ガ ス	t	102	102	-	-	-
都 市 ガ ス (A)	1000m ³	6,071	5,007	1,623	449	1,174
都 市 ガ ス (B)	"	6,565	5,448	1,722	492	1,230
廃 材	絶乾(Dry)t	196	196	196	196	-
廃 タ イ ヤ	t	9,932	7,691	7,686	7,440	246
廃 プ ラ ス チ ッ ク	"	35,551	34,354	33,468	33,468	-
R P F	"	2,203	2,203	324	324	-
電 力	1000kWh	412,483	290,508	219,158	-	219,158
蒸 気	t	6,722	2,301	721	-	721

(令和3年12月)

(窯業・土石製品 Ceramics, clay and stone products)				石灰 Lime	その他の製品 for Others	Kind of energy
板ガラス	Sheet glass		3,916			
	熔解窯用 For dissolving furnaces	その他用 for Others		21,794	67,036	147,202	Total (Crude petroleum equivalent)
25,710	21,794	3,916	67,036	147,202		
18,050	17,831	219	24,261	10,893		Oil based fuels (Crude petroleum equivalent)
-	...	-	5	7		Gasoline
42	-	42	476	612		Kerosene
2	-	2	124	447		Gas oils
16,300	16,247	53	10,752	2,059		Heavy Fuel oil total
53	-	53	724	383		Heavy Fuel oil A
16,247	16,247	-	10,028	1,676		Heavy Fuel oil B・C
-	-	-	811	-		Hydrocarbon oil
314	218	96	1	1,492		Liquefied petroleum gas
-	-	-	7,306	4,539		Petroleum coke
-	-	-	-	-		Asphalt
-	-	-	4,812	1,770		Reproduction oil (Oil origin)
4,395	3,963	432	37,564	7,698		Non-oil based fuels (Crude petroleum equivalent)
-	-	-	15,233	2,428		Coal
-	-	-	9,839	5,631		Coal coke
-	-	-	25,419	-		Coke oven gas
-	-	-	1,891	-		Blast furnace gas
-	-	-	14,249	-		Converter furnace gas
-	-	-	557	-		Electric furnace gas
835	835	-	701	-		Natural gas
64	-	64	38	-		Liquefied natural gas
2,863	2,562	301	381	819		Town gas(A)
3,190	2,868	322	397	880		Town gas(B)
-	-	-	-	-		Waste material
-	-	-	-	-		Used tires
-	-	-	886	1,197		Waste plastic
-	-	-	1,879	-		Refuse Paper & Plastic Fuel
28,319	...	28,319	44,418	820,143		Electricity
9,116	...	9,116	15,623	756,915		Steam

25,214	21,793	3,421	67,069	231,081		Total (Crude petroleum equivalent)
18,154	17,831	323	25,043	11,270		Oil based fuels (Crude petroleum equivalent)
-	-	-	5	7		Gasoline
75	-	75	581	612		Kerosene
2	-	2	124	447		Gas oils
16,368	16,247	121	11,420	2,313		Heavy Fuel oil total
53	-	53	1,279	385		Heavy Fuel oil A
16,315	16,247	68	10,140	1,928		Heavy Fuel oil B・C
-	-	-	811	-		Hydrocarbon oil
314	218	96	1	1,492		Liquefied petroleum gas
-	-	-	7,310	4,658		Petroleum coke
-	-	-	-	-		Asphalt
-	-	-	4,812	1,770		Reproduction oil (Oil origin)
4,454	3,962	492	37,886	208,160		Non-oil based fuels (Crude petroleum equivalent)
-	-	-	15,451	289,885		Coal
-	-	-	9,839	5,631		Coal coke
-	-	-	25,419	-		Coke oven gas
-	-	-	1,891	-		Blast furnace gas
-	-	-	14,249	-		Converter furnace gas
-	-	-	557	-		Electric furnace gas
835	835	-	777	4,024		Natural gas
64	-	64	38	-		Liquefied natural gas
2,917	2,562	355	467	1,064		Town gas(A)
3,246	2,868	378	480	1,118		Town gas(B)
-	-	-	-	-		Waste material
-	-	-	5	2,242		Used tires
-	-	-	886	1,197		Waste plastic
-	-	-	1,879	-		Refuse Paper & Plastic Fuel
27,905	-	27,905	43,445	121,974		Electricity
144	-	144	1,436	4,421		Steam

(December, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単 位 Unit	Iron and steel industry								
		鉄鋼業	Iron and steel products						製鋼用	for Steelmaking 転 炉 LD Converters
			鉄鋼製品	焼結鉄 for Sintering	ペレット for Pelletizing	銑鉄用 for pig iron	フェロアロイ for Ferro-alloy			
合 計 (原 油 換 算)	kl	7,672,140	5,137,452	375,517	16,117	2,685,884	71,253	301,002	172,193	
石 油 系 燃 料 (原 油 換 算)	kl	105,200	83,145	-	298	24,178	2,920	8,082	6,092	
ガ ソ リ ン	kl	156	45	-	-	-	-	-	-	
灯 油	kl	7,147	6,906	-	-	-	45	715	28	
軽 油	kl	2,032	1,814	-	-	4	55	154	153	
重 油	kl	26,507	26,429	-	276	-	2,384	1,237	-	
A 重 油	kl	12,649	12,571	-	-	-	487	1,093	-	
B・C 重 油	kl	13,858	13,858	-	276	-	1,897	144	-	
炭 化 水 素 油	kl	7,372	-	-	-	-	-	-	-	
液 化 石 油 ガ ス	t	18,011	17,710	-	-	-	172	4,610	4,569	
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-	
オ イ ル コ ー ク ス	t	43,702	28,094	-	-	28,094	-	-	-	
ア ス フ ェ ル ト	kl	-	-	-	-	-	-	-	-	
再 生 油 (石 油 由 来)	kl	93	93	-	-	-	60	33	-	
非 石 油 系 燃 料 (原 油 換 算)	kl	6,625,570	4,173,299	340,218	13,551	2,607,028	49,559	145,360	113,393	
コークス製造用炭(原料炭)	t	3,282,021	340,249	-	-	340,249	-	-	-	
石 炭	kl	1,304,627	1,304,627	116,633	11,262	787,628	41,797	37,021	32,968	
石 炭 コ ー ク ス	kl	2,356,704	2,345,646	330,499	6,392	1,961,756	26,442	15,837	3,565	
タ ー ク ル	kl	9,353	-	-	-	-	-	-	-	
コ ー ク ス 炉 ガ ス	1000m ³	797,429	643,598	23,272	2,222	85,755	266	32,939	31,693	
高 炉 ガ ス	kl	6,543,658	5,146,958	10,298	-	2,311,661	100	563	515	
転 炉 ガ ス	kl	353,371	312,704	1,738	-	80,100	221	2,297	2,193	
電 気 炉 ガ ス	kl	7,311	7,311	-	-	-	164	-	-	
天 然 ガ ス	kl	2,074	2,068	-	-	-	-	195	-	
液 化 天 然 ガ ス	t	31,677	31,663	1	-	18	255	385	12	
都 市 ガ ス (A)	1000m ³	173,701	167,617	314	-	4,758	51	8,680	3,042	
都 市 ガ ス (B)	kl	189,933	183,275	344	-	5,210	56	9,490	3,337	
酸 素	1000Nm ³	843,029	842,799	...	...	372,774	4,269	431,792	366,127
廃 材	絶乾(Dry)t	2,257	2,257	-	-	-	-	-	-	
廃 タ イ ヤ	t	36	36	-	-	-	-	36	36	
廃 プ ラ ス チ ッ ク	kl	20,228	3,433	-	-	2,758	157	518	518	
R P F	kl	-	-	-	-	-	-	-	-	
電 蒸	力 1000kWh	5,318,272	4,975,997	367,462	23,047	423,616	199,628	1,380,590	383,363	
蒸 気	気 t	6,461,768	6,049,129	16,150	1,795	220,949	2,956	276,801	246,619	

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	6,931,542	4,392,300	386,338	18,959	2,710,536	75,725	324,519	190,944
石 油 系 燃 料 (原 油 換 算)	kl	100,960	78,407	250	364	25,402	5,417	9,032	6,768
ガ ソ リ ン	kl	156	45	-	-	-	-	-	-
灯 油	kl	7,130	6,889	-	-	-	46	760	28
軽 油	kl	2,032	1,814	-	-	4	55	154	153
重 油	kl	22,943	22,613	106	276	728	4,656	1,786	320
A 重 油	kl	11,179	11,041	0	-	1	609	1,467	145
B・C 重 油	kl	11,764	11,572	106	276	727	4,047	319	175
炭 化 水 素 油	kl	7,372	-	-	-	-	-	-	-
液 化 石 油 ガ ス	t	17,637	17,158	104	51	338	212	4,874	4,833
石 油 系 炭 化 水 素 ガ ス	1000m ³	3	3	-	-	-	-	-	-
オ イ ル コ ー ク ス	t	43,702	28,094	-	-	28,094	-	-	-
ア ス フ ェ ル ト	kl	-	-	-	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	93	93	-	-	-	60	33	-
非 石 油 系 燃 料 (原 油 換 算)	kl	6,441,832	3,953,260	362,653	18,403	2,658,617	54,603	200,407	160,010
コークス製造用炭(原料炭)	t	3,282,021	340,249	-	-	340,249	-	-	-
石 炭	kl	1,182,764	1,166,945	121,309	13,043	805,947	43,198	66,287	54,937
石 炭 コ ー ク ス	kl	2,356,704	2,345,646	330,499	6,392	1,961,756	26,442	15,837	3,565
タ ー ク ル	kl	9,353	-	-	-	-	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	762,908	598,139	31,986	3,298	101,357	1,112	46,420	44,400
高 炉 ガ ス	kl	5,792,099	4,220,174	131,848	31,524	2,578,770	24,935	220,713	219,107
転 炉 ガ ス	kl	322,533	275,221	8,842	544	92,279	651	14,670	13,641
電 気 炉 ガ ス	kl	7,311	6,040	-	-	-	5,848	-	-
天 然 ガ ス	kl	2,074	2,068	-	-	-	-	195	-
液 化 天 然 ガ ス	t	30,628	30,448	122	-	120	255	854	211
都 市 ガ ス (A)	1000m ³	168,976	161,350	1,860	53	7,895	93	12,639	4,956
都 市 ガ ス (B)	kl	184,801	176,454	2,036	58	8,642	101	13,825	5,432
酸 素	1000Nm ³	843,029	842,799	...	...	372,774	4,269	431,792	366,127
廃 材	絶乾(Dry)t	1,031	1,031	-	-	-	-	-	-
廃 タ イ ヤ	t	36	36	-	-	-	-	36	36
廃 プ ラ ス チ ッ ク	kl	20,228	3,433	-	-	2,758	157	518	518
R P F	kl	-	-	-	-	-	-	-	-
電 蒸	力 1000kWh	3,869,304	3,623,304	247,398	991	267,433	167,062	1,209,805	233,461
蒸 気	気 t	416,870	341,151	6,095	1,439	23,712	2,371	36,730	35,423

(令和3年12月)

(鉄鋼製品 Iron and steel products)									Kind of energy
電気炉 Electric furnaces	鍛鋼品 for Steel forgings	鋳鋼品 for Steel castings	圧延(冷間を含む) 及び鋼管用 Rolling(including cold) and pipes	発電・ボイラ・ コージェネ用 Power generation, Boiler,cogeneration	その他の 鉄鋼製品 Others	コークス Coke	その他の製品 Others		
128,809	15,177	4,475	514,553	882,573	270,901	2,493,641	41,048	Total	
1,991	2,101	1,995	13,250	18,125	12,196	21,076	979	(Crude petroleum equivalent)	
-	-	-	1	-	44	-	111	Gasoline	
687	522	918	2,906	142	1,658	2	239	Kerosene	
1	49	10	22	-	1,520	25	193	Gas oils	
1,237	1,415	424	4,597	13,620	2,476	-	78	Heavy Fuel oil total	
1,093	1,415	420	3,963	2,874	2,319	-	78	Heavy Fuel oil A	
144	-	4	634	10,746	157	-	-	Heavy Fuel oil B・C	
-	-	-	-	-	-	7,372	-	Hydrocarbon oil	
41	107	535	4,489	2,700	5,097	-	301	Liquefied petroleum gas	
-	-	-	3	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	15,608	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
31,967	8,655	841	344,311	594,267	69,509	2,440,018	12,254	Non-oil based fuels	
-	-	-	-	-	-	2,941,772	-	(Crude petroleum equivalent)	
4,053	-	-	-	310,286	-	...	-	Coal for making coke (material coal)	
12,272	-	2	-	-	4,718	10,771	287	Coal	
-	-	-	-	-	-	9,353	-	Coal coke	
1,246	553	22	336,347	135,109	27,113	148,630	5,201	Tar	
48	317	-	135,169	2,541,384	147,466	1,396,637	63	Coke oven gas	
104	672	-	90,842	131,902	4,932	27,851	12,816	Blast furnace gas	
-	-	-	-	7,147	-	-	-	Converter furnace gas	
195	171	-	1,187	319	196	-	6	Electric furnace gas	
373	1,643	182	20,713	4,083	4,383	-	14	Natural gas	
5,638	4,837	449	89,113	36,763	22,652	511	5,573	Liquefied natural gas	
6,153	5,295	489	97,376	40,157	24,858	559	6,099	Town gas(A)	
65,665	313	280	10,127	...	23,244	...	230	Town gas(B)	
-	-	-	-	2,257	-	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,795	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
997,227	46,760	16,983	1,361,365	140,723	1,015,823	169,997	172,278	Electricity	
30,182	1,026	846	439,139	3,719,395	1,370,072	242,080	170,559	Steam	
133,574	15,287	4,494	557,688	-	298,754	2,489,042	50,201	Total	
2,264	2,101	1,999	17,225	-	16,616	21,193	1,359	(Crude petroleum equivalent)	
-	-	-	1	-	44	-	111	Oil based fuels	
732	522	918	2,910	-	1,733	2	239	(Crude petroleum equivalent)	
1	49	10	22	-	1,520	25	193	Gasoline	
1,467	1,415	427	7,810	-	5,408	59	271	Kerosene	
1,323	1,415	423	4,288	-	2,836	1	137	Gas oils	
144	-	4	3,522	-	2,572	58	134	Heavy Fuel oil total	
-	-	-	-	-	-	7,372	-	Heavy Fuel oil A	
41	107	535	4,895	-	6,041	42	437	Heavy Fuel oil B・C	
-	-	-	3	-	-	-	-	Hydrocarbon oil	
-	-	-	-	-	-	15,608	-	Liquefied petroleum gas	
-	-	-	-	-	-	-	-	Hydrocarbon gas	
-	-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	-	Asphalt	
33	-	-	-	-	-	-	-	Reproduction oil (Oil origin)	
40,397	8,834	876	446,792	-	202,074	2,454,934	33,638	Non-oil based fuels	
-	-	-	-	-	-	2,941,772	-	(Crude petroleum equivalent)	
11,351	-	-	54,150	-	63,010	2,338	13,481	Coal for making coke (material coal)	
12,272	-	2	-	-	4,718	10,771	287	Coal	
-	-	-	-	-	-	9,353	-	Coal coke	
2,020	553	22	358,317	-	55,074	154,555	10,213	Tar	
1,606	324	-	512,761	-	719,299	1,481,297	90,628	Coke oven gas	
1,029	672	-	116,653	-	40,910	33,154	14,157	Blast furnace gas	
-	-	-	-	-	192	-	1,271	Converter furnace gas	
195	171	-	1,457	-	245	-	6	Electric furnace gas	
642	1,768	182	21,486	-	5,661	106	74	Natural gas	
7,683	4,837	479	99,846	-	33,648	1,483	6,142	Liquefied natural gas	
8,393	5,296	522	109,100	-	36,873	1,624	6,722	Town gas(A)	
65,665	313	280	10,127	...	23,244	...	230	Town gas(B)	
-	-	-	471	-	560	-	-	Oxygen	
-	-	-	-	-	-	-	-	Waste material	
-	-	-	-	-	-	-	-	Used Tires	
-	-	-	-	-	-	16,795	-	Waste plastic	
-	-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
976,343	46,039	16,847	960,950	-	706,778	121,200	124,800	Electricity	
1,307	1,002	756	61,917	-	207,129	23,724	51,995	Steam	

1) 直接投入エネルギー表 Table of direct input energy

種別	単位 Unit	Non-ferrous metal products industry							
		非鉄金属 地金工業	非鉄金属地金	Non-ferrous metals			鉛	Lead	
				銅	溶錬工程 Fusing and mixing process	電解工程 Electrolytic process		溶錬工程 Fusing and mixing process	電解工程 Electrolytic process
合計 (原油換算)	kl	96,038	83,724	29,267	22,023	7,244	6,986	6,237	749
石油系燃料 (原油換算)	"	19,060	16,584	5,818	5,817	1	884	479	405
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,361	252	31	30	1	-	-	-
軽油	"	267	105	4	4	-	-	-	-
重油計	"	10,420	9,751	4,662	4,662	-	673	371	302
A重油	"	5,100	4,449	911	911	-	673	371	302
B・C重油	"	5,320	5,302	3,751	3,751	-	-	-	-
炭化水素油	"	3,388	2,910	464	464	-	-	-	-
液化石油ガス	t	416	336	229	229	-	1	-	1
オイルコークス	"	110	110	48	48	-	62	62	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,409	2,409	-	-	-	147	51	96
非石油系燃料 (原油換算)	kl	24,336	23,967	3,557	3,557	-	4,957	4,957	-
石炭	t	4,477	4,477	4,305	4,305	-	157	157	-
石炭コークス	"	15,091	15,074	422	422	-	5,726	5,726	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	20,797	20,797	-	-	-	5,412	5,412	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,193	2,193	239	239	-	43	43	-
都市ガス (A)	1000m ³	4,478	4,171	-	-	-	-	-	-
都市ガス (B)	"	4,699	4,363	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力 1000kWh 気 t	454,732	373,719	146,086	87,540	58,546	11,199	7,660	3,539
		149,592	121,654	91,176	65,186	25,990	1,496	1,276	220

2) 一次投入燃料換算表 Conversion table for primary input fuel

合計 (原油換算)	kl	88,948	76,926	22,670	17,000	5,670	7,037	6,287	751
石油系燃料 (原油換算)	"	20,258	17,487	6,177	6,045	133	916	506	410
ガソリン	"	5	5	-	-	-	-	-	-
灯油	"	1,432	323	102	30	72	-	-	-
軽油	"	267	105	4	4	-	-	-	-
重油計	"	11,524	10,564	4,935	4,875	60	705	398	307
A重油	"	5,919	5,008	940	938	2	705	398	307
B・C重油	"	5,604	5,556	3,995	3,937	58	-	-	-
炭化水素油	"	3,388	2,910	464	464	-	-	-	-
液化石油ガス	t	416	336	229	229	-	1	-	1
オイルコークス	"	110	110	48	48	-	62	62	-
アスファルト	"	-	-	-	-	-	-	-	-
再生油 (石油由来)	kl	2,409	2,409	-	-	-	147	51	96
非石油系燃料 (原油換算)	kl	25,745	24,920	3,557	3,557	-	5,126	5,126	-
石炭	t	4,477	4,477	4,305	4,305	-	157	157	-
石炭コークス	"	15,091	15,074	422	422	-	5,726	5,726	-
コークス炉ガス	1000m ³	-	-	-	-	-	-	-	-
高炉ガス	"	31,075	27,887	-	-	-	6,911	6,911	-
電気炉ガス	"	-	-	-	-	-	-	-	-
天然ガス	"	-	-	-	-	-	-	-	-
液化天然ガス	t	2,342	2,295	239	239	-	65	65	-
都市ガス (A)	1000m ³	4,690	4,300	-	-	-	-	-	-
都市ガス (B)	"	4,935	4,508	-	-	-	-	-	-
廃タイヤ	t	-	-	-	-	-	-	-	-
廃プラスチック	"	-	-	-	-	-	-	-	-
R P F	"	-	-	-	-	-	-	-	-
電蒸	力 1000kWh 気 t	430,621	355,138	130,860	77,694	53,167	10,561	7,022	3,539
		41,770	21,463	11,024	2,473	8,550	187	18	169

(令和3年12月)

(非鉄金属地金 Non-ferrous metals)							その他の製品 Others	Kind of energy
亜鉛 Zinc	Zinc		アルミニウム Aluminum	アルミニウム 二次地金 Secondary aluminum ingots	その他の 非鉄金属 Other Non-ferrous metals	その他の製品 Others		
	電気亜鉛 Electrolytic zinc	蒸留亜鉛 Distilled zinc						
24,866	16,891	7,975	8,797	11,216	2,593	12,313	Total (Crude petroleum equivalent)	
1,080	559	521	1,670	6,711	422	2,476	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
6	6	-	157	53	5	1,109	Kerosene	
9	9	-	18	74	-	162	Gas oils	
858	515	343	1,373	1,984	201	669	Heavy Fuel oil total	
546	203	343	338	1,780	201	651	Heavy Fuel oil A	
312	312	-	1,035	204	-	18	Heavy Fuel oil B・C	
-	-	-	-	2,446	-	478	Hydrocarbon oil	
2	2	-	33	67	4	80	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
170	-	170	-	1,890	202	-	Reproduction oil (Oil origin)	
9,111	2,343	6,768	2,624	3,459	259	370	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	15	-	Coal	
8,919	2,153	6,766	-	-	7	17	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
15,385	597	14,788	-	-	-	-	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
660	424	236	263	822	166	-	Liquefied natural gas	
63	63	-	1,911	2,190	7	307	Town gas(A)	
71	71	-	2,121	2,163	8	336	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
150,057	145,769	4,288	48,170	11,251	6,956	81,013	Electricity	
10,352	6,206	4,146	315	-	18,315	27,938	Steam	
25,061	16,925	8,136	8,812	11,217	2,129	12,022	Total (Crude petroleum equivalent)	
1,483	872	610	1,670	6,711	530	2,771	Oil based fuels (Crude petroleum equivalent)	
1	1	-	4	-	-	-	Gasoline	
6	6	-	157	53	5	1,109	Kerosene	
9	9	-	18	74	-	162	Gas oils	
1,258	827	432	1,373	1,984	308	960	Heavy Fuel oil total	
946	515	432	338	1,780	298	912	Heavy Fuel oil A	
312	312	-	1,035	204	10	48	Heavy Fuel oil B・C	
-	-	-	-	2,446	-	478	Hydrocarbon oil	
2	2	-	33	67	4	80	Liquefied petroleum gas	
-	-	-	-	-	-	-	Petroleum coke	
-	-	-	-	-	-	-	Asphalt	
170	-	170	-	1,890	202	-	Reproduction oil (Oil origin)	
9,815	2,495	7,320	2,625	3,460	337	826	Non-oil based fuels (Crude petroleum equivalent)	
-	-	-	-	-	15	-	Coal	
8,919	2,153	6,766	-	-	7	17	Coal coke	
-	-	-	-	-	-	-	Coke oven gas	
20,325	636	19,689	-	-	651	3,189	Blast furnace gas	
-	-	-	-	-	-	-	Electric furnace gas	
-	-	-	-	-	-	-	Natural gas	
731	425	307	263	822	175	46	Liquefied natural gas	
187	187	-	1,911	2,190	12	390	Town gas(A)	
210	210	-	2,122	2,164	13	427	Town gas(B)	
-	-	-	-	-	-	-	Used tires	
-	-	-	-	-	-	-	Waste plastic	
-	-	-	-	-	-	-	Refuse Paper & Plastic Fuel	
147,955	145,748	2,207	48,170	11,251	6,341	75,483	Electricity	
-	-	-	525	-	9,727	20,307	Steam	

(December, 2021)

1) 直接投入エネルギー表 Table of direct input energy

種 別	単位 Unit	Machinery products industry				
		機械工業	Machinery products			
			機械器具製品	土木建設機械 Civil engineering machinery	金属工作機械及び 金属加工機械 Metal working machinery and metal processing machinery	電子部品 Parts for electronic equipment
合 計 (原 油 換 算)	kl	291,666	215,117	4,158	5,582	23,524
石 油 系 燃 料 (原 油 換 算)	〃	18,755	10,994	596	1,209	475
ガ ソ リ ン	〃	4,009	2,288	-	2	3
灯 油	〃	2,386	1,115	17	207	46
軽 油	〃	2,030	501	233	3	2
重 油 計	〃	3,129	1,590	4	964	59
A 重 油	〃	3,129	1,590	4	964	59
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	6,105	4,539	268	31	284
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	64,650	43,254	1,142	615	1,020
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	686	686	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	1,089	1,089	-	-	-
液 化 天 然 ガ ス	t	3,464	1,250	-	112	7
都 市 ガ ス (A)	1000m ³	50,115	34,351	976	392	861
都 市 ガ ス (B)	〃	54,654	37,454	1,075	430	951
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,238,803	1,729,353	26,018	40,395	236,813

2) 一次投入燃料換算表 Conversion table for primary input fuel

合 計 (原 油 換 算)	kl	343,175	257,681	4,236	6,471	29,826
石 油 系 燃 料 (原 油 換 算)	〃	21,265	13,465	597	1,262	1,501
ガ ソ リ ン	〃	4,009	2,288	-	2	3
灯 油	〃	2,461	1,185	17	263	60
軽 油	〃	2,063	530	233	3	5
重 油 計	〃	3,747	2,185	5	964	71
A 重 油	〃	3,747	2,185	5	964	71
B・C 重 油	〃	-	-	-	-	-
炭 化 水 素 油	〃	1	-	-	-	-
液 化 石 油 ガ ス	t	7,485	5,914	268	31	1,055
石 油 系 炭 化 水 素 ガ ス	1000m ³	-	-	-	-	-
オ イ ル コ ー ク ス	t	-	-	-	-	-
ア ス フ ァ ル ト	〃	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	135,459	101,345	1,297	1,694	8,245
石 炭	t	-	-	-	-	-
石 炭 コ ー ク ス	〃	686	686	-	-	-
コ ー ク ス 炉 ガ ス	1000m ³	-	-	-	-	-
高 炉 ガ ス	〃	-	-	-	-	-
転 炉 ガ ス	〃	-	-	-	-	-
天 然 ガ ス	〃	3,584	3,569	-	-	908
液 化 天 然 ガ ス	t	7,931	4,631	-	171	195
都 市 ガ ス (A)	1000m ³	103,288	77,955	1,107	1,248	6,143
都 市 ガ ス (B)	〃	112,803	85,089	1,221	1,367	6,565
廃 タ イ ヤ	t	-	-	-	-	-
廃 プ ラ ス チ ッ ク	〃	-	-	-	-	-
R P F	〃	-	-	-	-	-
電	力 1000kWh	2,004,348	1,535,858	25,184	37,788	215,865

(令和3年12月)

(機械器具製品 Machinery products)			その他の製品 Others	Kind of energy
電子管・半導体素子 ・集積回路 Electron tubes, semiconductors, integrated circuits	電子計算機及び情報 端末、電子応用装置 Computers and information terminals, associated electronic equipment	自動車及び部品 (二輪自動車を含む) Automobiles (including motorcycles) and parts		
61,653	4,582	115,619	76,548	Total
547	58	8,108	7,761	(Crude petroleum equivalent)
				Oil based fuels
				(Crude petroleum equivalent)
4	-	2,279	1,721	Gasoline
-	6	839	1,271	Kerosene
-	3	260	1,529	Gas oils
165	16	382	1,539	Heavy Fuel oil total
165	16	382	1,539	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
292	26	3,638	1,566	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
1,871	176	38,430	21,396	Non-oil based fuels
				(Crude petroleum equivalent)
-	-	-	-	Coal
-	-	686	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
-	-	1,089	-	Natural gas
-	-	1,131	2,214	Liquefied natural gas
1,600	151	30,371	15,764	Town gas(A)
1,762	166	33,071	17,200	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
636,768	46,739	742,620	509,450	Electricity
73,276	4,599	139,273	85,494	Total
1,433	58	8,614	7,800	(Crude petroleum equivalent)
				Oil based fuels
				(Crude petroleum equivalent)
4	-	2,279	1,721	Gasoline
-	6	839	1,276	Kerosene
-	3	286	1,533	Gas oils
607	16	522	1,561	Heavy Fuel oil total
607	16	522	1,561	Heavy Fuel oil A
-	-	-	-	Heavy Fuel oil B・C
-	-	-	1	Hydrocarbon oil
633	26	3,901	1,571	Liquefied petroleum gas
-	-	-	-	Hydrocarbon gas
-	-	-	-	Petroleum coke
-	-	-	-	Asphalt
-	-	-	-	Reproduction oil (Oil origin)
18,519	206	71,384	34,113	Non-oil based fuels
				(Crude petroleum equivalent)
-	-	-	-	Coal
-	-	686	-	Coal coke
-	-	-	-	Coke oven gas
-	-	-	-	Blast furnace gas
-	-	-	-	Converter furnace gas
-	-	2,661	15	Natural gas
-	-	4,265	3,300	Liquefied natural gas
15,870	177	53,410	25,333	Town gas(A)
17,438	194	58,304	27,714	Town gas(B)
-	-	-	-	Used tires
-	-	-	-	Waste plastic
-	-	-	-	Refuse Paper & Plastic Fuel
573,235	46,591	637,196	468,490	Electricity

(December, 2021)

(2) 指定生産品目別燃料在庫 Fuel inventory, broken down by designated product

指 定 生 産 品 目 Specified Products	原 油(注1) Crude petroleum kl	ガソリン Gasoline kl	ナフサ Naphtha kl	改質生成油 Oil produced by conversion kl	灯 油 Kerosene kl
化 学 工 業 Chemical products industry					
石 油 化 学 製 品 Petro-chemicals	181	-	514,564	3,436	5,281
アンモニア及びアンモニア誘導品 Ammonia and ammonia-derived products	-	-	-	-	-
ソ ー ダ 工 業 製 品 soda products	-	-	-	-	5
窯 業 ・ 土 石 製 品 工 業 Ceramics, clay and stone products industry					
セ メ ン ト Cement	...	-	-	-	51
板 ガ ラ ス Sheet Glass	...	-	-	-	22
石 灰 Lime	...	-	-	-	242
非 鉄 金 属 地 金 工 業 Non-ferrous metals products industry					
銅 Copper	...	-	-	-	121
鉛 Lead	...	-	-	-	-
亜 鉛 Zinc	...	1	-	-	-
ア ル ミ ニ ウ ム Aluminum	...	1	-	-	208
ア ル ミ ニ ウ ム 二 次 地 金 Secondary aluminum ingots	...	-	-	-	30

注1. 原油にはNGL・コンデンセートを含む。
 2. 石炭コークスにはピッチコークスを含む。

軽油 Gas oil kl	A重油 Heavy Fuel oil A kl	B・C重油 Heavy Fuel oil B・C kl	液化石油ガス LPG t	オイルコークス Petroleum Coke t	石炭 Coal t	石炭コークス(注2) Coal Coke t
8,555	613	23,629	80,639	37,664	80,008	-
-	106	1,430	227	75,060	15,428	-
-	756	1,320	18	24,303	303,229	1,410
14	2,181	13,035	-	135,620	554,098	92
-	91	12,614	112	-	-	-
28	888	5,106	-	5,376	18,446	10,262
-	829	2,571	45	-	24,003	45
-	296	-	-	51	68	3,011
1	424	133	0	-	-	4,059
1	79	210	7	-	-	-
8	302	96	9	-	-	-

Note 1. Crude oil includes NGL・condensate in liquid form.

2. Coal coke includes pitch coke.

(December, 2021)

4. 地域別統計 Regional statistics
 経済産業局別業種別エネルギー消費

Energy consumption in each region of the
 Bureau of Economy, Trade and Industry, by industry

1) 北海道経済産業局管内 Hokkaido Bureau of Economy, Trade and Industry

種 別	単 位	合 計	重複事業所分 補 正 量	パルプ・紙・ 板 紙 工 業	化 学 工 業	化 学 繊 維 工 業
	Unit	Total	Duplication adjustment	Pulp, paper, paperboard	Chemical industry	Chemical fibers
合 計 (原 油 換 算)	kl	526,704	-	106,367	5,022	-
石 油 系 燃 料 (原 油 換 算)	"	77,029	-	9,865	4,005	-
原 ガ ソ リ ン	"	30	-	...	30	...
ナ フ サ	"	4	-	-	-	-
改 質 生 成 油	"	7,659	-	-	-	-
灯 油	"	-	-	-	-	-
軽 油	"	333	-	37	-	-
A 重 油	"	102	-	-	-	-
B ・ C 重 油	"	3,403	-	80	-	-
炭 化 水 素 油	"	16,397	-	7,827	-	-
液 化 石 油 ガ ス	t	486	-	486	-	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	3,852	-	237	3,073	-
オ イ ル コ ー ク ス	t	28,438	-	-	-	-
ア ス フ ェ ル ト	t	6,594	-	566	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	215	-	-	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	427,037	-	91,928	348	-
石 炭 コ ー ク ス	t	358,089	-	76,434	-	-
コ ー ク ス 炉 ガ ス	1000m ³	78,752	-	389	-	-
高 炉 ガ ス	"	44,310	-	-	-	-
液 化 天 然 ガ ス	"	326,401	-	-	-	-
都 市 ガ ス (B)	t	3,443	-	119	246	-
回 収 黒 液	1000m ³	-	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	89,615	-	89,615	...	...
R P F	t	6,677	-	-	-	-
	"	1,674	-	1,674	-	-
電 力	1000kWh	478,965	-	220,350	5,729	-
う ち 購 入 分	"	139,567	-	25,231	5,729	-
蒸 気	t	2,732,046	-	1,375,555	8,621	-
う ち 受 入 分	"	107,485	-	-	1,967	-

2) 東北経済産業局管内 Tohoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	462,148	-	160,709	95,787	152
石 油 系 燃 料 (原 油 換 算)	"	164,973	-	8,174	81,766	-
原 ガ ソ リ ン	"	-	-	...	-	...
ナ フ サ	"	4	-	-	-	-
改 質 生 成 油	"	-	-	-	-	-
灯 油	"	73,301	-	-	73,301	-
軽 油	"	1,283	-	3	-	-
A 重 油	"	185	-	5	-	-
B ・ C 重 油	"	4,972	-	441	517	-
炭 化 水 素 油	"	10,265	-	6,035	-	-
液 化 石 油 ガ ス	"	1,513	-	410	-	-
石 油 系 炭 化 水 素 ガ ス	t	16,329	-	144	11,855	-
オ イ ル コ ー ク ス	1000m ³	42,703	-	-	1,570	-
ア ス フ ェ ル ト	t	4,604	-	495	-	-
再 生 油 (石 油 由 来)	"	-	-	-	-	-
再 生 油 (石 油 由 来)	kl	696	-	162	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	256,527	-	149,178	10,964	-
石 炭 コ ー ク ス	t	213,575	-	97,943	14,945	-
コ ー ク ス 炉 ガ ス	"	10,266	-	-	-	-
高 炉 ガ ス	1000m ³	-	-	-	-	-
液 化 天 然 ガ ス	"	32,977	-	-	-	-
都 市 ガ ス (B)	t	5,330	-	-	626	-
回 収 黒 液	1000m ³	1,623	-	-	-	-
廃 プ ラ ス チ ッ ク	絶乾(Dry)t	147,741	-	147,741	...	...
R P F	t	4,965	-	144	-	-
	"	10,420	-	10,420	-	-
電 力	1000kWh	794,038	-	307,695	41,773	679
う ち 購 入 分	"	397,733	-	36,097	18,137	679
蒸 気	t	2,548,709	-	1,968,924	173,926	1,285
う ち 受 入 分	"	37,441	-	-	19,806	1,285

(令和3年12月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
53,179	45,297	-	312,654	-	4,186	Total (Crude petroleum equivalent)
52,512	1,469	-	9,065	-	113	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
1	3	-	-	-	-	Gasoline
7,659	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
2	7	-	287	-	-	Kerosene
-	9	-	93	-	-	Gas oils
-	411	-	2,877	-	35	Heavy Fuel oil A
7,816	754	-	-	-	-	Heavy Fuel oil B・C
-	-	-	-	-	-	Hydrocarbon oil
-	-	-	482	-	60	Liquefied petroleum gas
28,438	-	-	-	-	-	Hydrocarbon gas
-	-	-	6,028	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	215	-	-	-	-	Reproduction oil (Oil origin)
-	42,235	-	289,136	-	3,389	Non-oil based fuels (Crude petroleum equivalent)
-	55,777	-	225,878	-	-	Coal
-	520	-	77,843	-	-	Coal coke
-	158	-	44,152	-	-	Coke oven gas
-	-	-	326,401	-	-	Blast furnace gas
-	-	-	680	-	2,398	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	5,292	-	1,385	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
37,135	53,711	-	146,165	-	15,875	Electricity
7,176	17,064	-	77,016	-	7,351	among those purchased
195,033	138,602	-	1,014,235	-	...	Steam
-	76	-	105,442	-	...	among those accepted
60,350	37,199	1,691	65,022	30,667	10,573	Total (Crude petroleum equivalent)
60,349	4,292	246	5,861	2,963	1,322	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
-	-	-	-	-	4	Gasoline
-	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	18	10	291	108	853	Kerosene
-	131	1	13	29	6	Gas oils
4	103	233	1,956	1,326	392	Heavy Fuel oil A
923	55	-	3,031	221	-	Heavy Fuel oil B・C
-	470	-	-	633	-	Hydrocarbon oil
3,972	-	1	258	11	88	Liquefied petroleum gas
41,133	-	-	-	-	-	Hydrocarbon gas
-	4,047	-	-	62	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	15	-	-	519	-	Reproduction oil (Oil origin)
-	29,442	335	46,906	15,442	4,261	Non-oil based fuels (Crude petroleum equivalent)
-	36,300	-	60,106	4,281	-	Coal
-	-	-	770	9,496	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	32,977	-	Blast furnace gas
-	-	237	2,883	1,584	-	Liquefied natural gas
-	-	-	-	149	1,474	Town gas(B)
...	...	...	...	...	...	Black liquor
-	4,821	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
38,828	44,803	11,863	158,572	129,232	60,593	Electricity
5	37,239	8,474	131,739	111,719	53,644	among those purchased
201,388	41,142	-	11,944	150,100	...	Steam
-	-	-	-	16,350	...	among those accepted

(December, 2021)

3) 関東経済産業局管内

Kanto Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	5,999,805	37,367	194,907	2,890,822	13,387
石 油 系 燃 料 (原 油 換 算)	"	3,167,725	4,369	9,932	2,620,668	100
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,005	6	1	8	2
改 質 生 成 油	"	1,607,972	-	-	1,605,631	-
灯 油	"	491,460	-	-	491,460	-
軽 油	"	26,268	88	114	16,168	-
A 重 油	"	18,103	198	37	15,745	1
B ・ C 重 油	"	6,118	266	1,261	153	-
炭 化 水 素 油	"	78,832	107	7,741	13,007	-
液 化 石 油 ガ ス	t	65,721	-	-	48,314	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	260,241	13	23	235,266	75
オ イ ル コ ー ク ス	t	548,677	-	-	278,647	-
ア ス フ ァ ル ト	"	52,225	4,284	-	48,975	-
再 生 油 (石 油 由 来)	kl	36,570	-	-	-	-
		10,411	-	124	2,252	-
非 石 油 系 燃 料 (原 油 換 算)	kl	2,496,256	23,682	170,405	125,660	13,152
石 炭 コ ー ク ス	t	1,481,580	13,528	24,843	13,528	-
コ ー ク ス 炉 ガ ス	1000m ³	756,013	4,534	-	4,534	-
高 炉 ガ ス	"	247,576	-	-	3,159	-
液 化 天 然 ガ ス	t	2,137,693	-	-	-	-
都 市 ガ ス (B)	1000m ³	27,084	-	4,985	16,846	-
回 収 黒 液	絶乾(Dry)t	202,204	-	47,472	22,436	12,384
廃 プ ラ ス チ ッ ク	t	124,357	-	124,357	...	...
R P F	"	25,644	-	51	4,570	-
	"	22,533	-	20,343	-	-
電 力	1000kWh	4,064,034	113,029	436,672	1,104,524	28,721
う ち 購 入 分	"	2,439,711	58,567	140,305	697,271	1,450
蒸 気	t	11,518,596	93,063	2,060,355	4,462,007	64,756
う ち 受 入 分	"	1,439,825	15,843	21,963	1,092,130	-

4) 中部経済産業局管内

Chubu Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	1,752,778	5,013	110,475	525,657	15,722
石 油 系 燃 料 (原 油 換 算)	"	666,684	68	12,651	449,285	4,388
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	1,596	8	1	1	-
改 質 生 成 油	"	209,185	-	-	202,534	-
灯 油	"	150,956	-	-	150,956	-
軽 油	"	4,738	39	22	19	152
A 重 油	"	947	4	44	6	5
B ・ C 重 油	"	15,904	20	302	633	743
炭 化 水 素 油	"	31,449	-	5,901	3,589	175
液 化 石 油 ガ ス	t	26,007	-	2,442	17,834	31
石 油 系 炭 化 水 素 ガ ス	1000m ³	45,826	-	147	35,170	89
オ イ ル コ ー ク ス	t	112,133	-	-	32,179	-
ア ス フ ァ ル ト	"	59,108	-	3,610	37,947	3,669
再 生 油 (石 油 由 来)	kl	2,190	-	-	-	-
		10,974	-	85	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	913,953	3,981	90,324	53,490	5,906
石 炭 コ ー ク ス	t	524,017	-	8,837	40,805	-
コ ー ク ス 炉 ガ ス	1000m ³	225,343	-	-	-	-
高 炉 ガ ス	"	81,527	-	-	-	-
液 化 天 然 ガ ス	t	885,714	-	-	-	-
都 市 ガ ス (B)	1000m ³	26,130	-	2,190	18,034	196
回 収 黒 液	絶乾(Dry)t	98,793	3,749	2,309	452	5,300
廃 プ ラ ス チ ッ ク	t	142,355	-	142,355	...	...
R P F	"	7,177	-	1,845	-	-
	"	8,431	-	8,431	-	-
電 力	1000kWh	2,399,745	13,736	213,558	257,910	64,483
う ち 購 入 分	"	1,631,900	10,363	62,701	97,533	48,400
蒸 気	t	4,250,184	-	1,184,949	1,182,994	91,102
う ち 受 入 分	"	261,673	-	24,121	196,807	13,395

(令和3年12月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
543,397	128,562	13,094	2,152,128	15,119	85,756	Total (Crude petroleum equivalent)
490,129	28,088	1,672	10,158	3,016	8,330	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
12	10	-	40	5	933	Gasoline
2,341	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
8,260	140	-	683	46	945	Kerosene
30	696	2	447	64	1,279	Gas oils
1,296	434	17	987	1,199	1,037	Heavy Fuel oil A
44,976	10,844	1,479	381	511	-	Heavy Fuel oil B・C
12,537	1,622	-	2,838	410	-	Hydrocarbon oil
18,382	28	43	3,044	44	3,349	Liquefied petroleum gas
270,027	-	-	3	-	-	Hydrocarbon gas
-	6,652	-	882	-	-	Petroleum coke
36,570	-	-	-	-	-	Asphalt
-	7,392	-	-	643	-	Reproduction oil (Oil origin)
20,942	85,507	9,394	2,051,567	2,930	40,380	Non-oil based fuels (Crude petroleum equivalent)
21,458	69,976	-	1,365,303	-	-	Coal
-	8,935	-	744,517	2,153	408	Coal coke
-	10,346	-	234,071	-	-	Coke oven gas
-	-	-	2,137,693	-	-	Blast furnace gas
-	64	2,077	768	141	2,203	Liquefied natural gas
375	2,151	6,081	75,450	1,052	34,803	Town gas(B)
...	...	...	...	...	...	Black liquor
-	11,768	-	9,255	-	-	Waste plastic
-	2,190	-	-	-	-	Refuse Paper & Plastic Fuel
409,995	224,221	23,778	1,401,733	94,503	452,916	Electricity
115,571	130,814	21,799	954,323	38,508	398,237	among those purchased
2,740,698	220,607	2,240	2,051,254	9,742	...	Steam
312,137	359	-	23,549	5,530	...	among those accepted
160,264	53,388	5,054	732,045	11,681	143,504	Total (Crude petroleum equivalent)
146,809	29,950	1,281	13,352	3,712	5,324	Oil based fuels (Crude petroleum equivalent)
...	...	...	...	...	...	Crude petroleum
2	4	-	5	-	1,591	Gasoline
6,651	-	-	-	-	-	Naphtha
-	-	-	-	-	-	Oil produced by conversion
-	535	4	3,839	44	162	Kerosene
31	85	-	454	43	283	Gas oils
11,295	83	2	1,264	333	1,269	Heavy Fuel oil A
13,217	6,239	785	707	836	-	Heavy Fuel oil B・C
-	4,297	-	-	1,403	-	Hydrocarbon oil
6,022	-	-	2,569	96	1,733	Liquefied petroleum gas
79,954	-	-	-	-	-	Hydrocarbon gas
-	9,328	-	4,554	-	-	Petroleum coke
2,190	-	-	-	-	-	Asphalt
-	9,693	411	-	785	-	Reproduction oil (Oil origin)
10,456	19,382	2,894	669,489	2,636	63,358	Non-oil based fuels (Crude petroleum equivalent)
13,176	15,433	-	445,766	-	-	Coal
-	860	-	223,740	743	-	Coal coke
-	2,917	-	78,610	-	-	Coke oven gas
-	-	-	885,714	-	-	Blast furnace gas
1,111	-	468	3,631	-	500	Liquefied natural gas
-	3,474	2,102	28,893	1,958	58,054	Town gas(B)
...	...	...	...	...	...	Black liquor
-	2,048	-	3,284	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
151,743	62,158	9,459	700,160	37,778	916,232	Electricity
13,560	43,513	9,459	527,312	35,444	804,341	among those purchased
1,180,356	70,243	489	540,051	-	...	Steam
25,130	128	-	2,092	-	...	among those accepted

(December, 2021)

5) 近畿経済産業局管内

Kansai Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	2,010,985	37,551	48,101	720,476	70,756
石油系燃料(原油換算)	"	613,998	115	971	430,438	1,157
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	523	1	1	8	2
改 フ サ	"	187,311	-	-	186,246	-
灯 質 生 成 油	"	175,036	-	-	175,036	-
軽 油	"	2,117	5	2	384	-
A 重 油	"	877	109	16	27	6
B・C 重 油	"	2,926	-	60	-	600
炭 化 水 素 油	"	60,041	-	65	47,484	454
液 化 石 油 ガ ス	t	14,798	-	-	3,983	-
石油系炭化水素ガス	1000m ³	37,986	2	9	33,716	43
オ イ ル コ ー ク ス	t	119,796	-	-	13,894	-
ア ス フ ァ ル ト	"	4,230	-	-	-	-
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		3,195	-	780	-	-
非石油系燃料(原油換算)	kl	1,277,798	26,193	45,098	265,911	59,246
石 炭 コ ー ク ス	t	912,364	20,718	11,387	310,176	50,719
コ ー ク ス 炉 ガ ス	1000m ³	289,638	-	-	-	-
高 炉 ガ ス	"	131,228	-	-	17,359	-
液 化 天 然 ガ ス	t	1,039,480	-	-	111,058	-
都 市 ガ ス (B)	1000m ³	34,281	2,059	-	15,287	423
回 収 黒 液	絶乾(Dry)t	143,183	8,766	20,776	14,844	23,015
廃 プ ラ ス チ ッ ク	t	29,628	-	29,628	...	...
R P F	"	832	-	-	-	-
	"	371	-	358	-	-
電 力	1000kWh	1,915,973	166,936	91,440	272,378	207,523
う ち 購 入 分	"	1,059,782	120,859	21,850	167,521	102,259
蒸 気	t	3,723,325	199,541	510,904	835,993	613,230
う ち 受 入 分	"	298,045	-	-	123,621	12,159

6) 中国経済産業局管内

Chugoku Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	3,810,064	281,080	110,433	1,482,430	45,056
石油系燃料(原油換算)	"	1,451,895	5,347	15,183	1,093,992	22,754
原 ガ ソ リ 油	"	-	-	...	-	...
ナ ソ リ ン	"	126	112	-	1	1
改 フ サ	"	527,573	-	-	516,849	-
灯 質 生 成 油	"	340,515	-	-	340,515	-
軽 油	"	56,040	454	4	54,307	46
A 重 油	"	583	54	14	6	-
B・C 重 油	"	9,454	35	182	1,013	34
炭 化 水 素 油	"	93,591	3,615	9,882	25,814	7,347
液 化 石 油 ガ ス	t	40,993	-	-	36,117	-
石油系炭化水素ガス	1000m ³	63,096	641	-	55,070	278
オ イ ル コ ー ク ス	t	238,110	-	-	109,930	-
ア ス フ ァ ル ト	"	114,397	-	4,588	22,224	16,712
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		976	-	348	-	-
非石油系燃料(原油換算)	kl	2,174,254	270,939	92,452	331,848	19,906
石 炭 コ ー ク ス	t	1,752,395	391,834	16,942	437,990	23,236
コ ー ク ス 炉 ガ ス	1000m ³	635,217	3,881	-	3,603	-
高 炉 ガ ス	"	201,765	-	-	1,295	-
液 化 天 然 ガ ス	t	1,439,026	-	-	-	-
都 市 ガ ス (B)	1000m ³	10,053	-	230	6,370	759
回 収 黒 液	絶乾(Dry)t	41,378	1,005	1,476	5,439	2,978
廃 プ ラ ス チ ッ ク	t	175,650	-	175,650	...	...
R P F	"	1,613	198	42	198	-
	"	10,480	-	9,651	829	-
電 力	1000kWh	3,040,833	750,864	197,764	1,112,963	79,297
う ち 購 入 分	"	1,530,046	38,388	30,079	231,333	15,025
蒸 気	t	9,998,813	3,030,519	1,377,469	5,217,412	495,150
う ち 受 入 分	"	601,628	17,685	-	507,361	14,433

(令和3年12月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
160,513	67,381	22,750	913,298	4,069	41,192	Total
147,551	24,863	1,056	3,839	1,093	3,146	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	2	-	-	-	511	(Crude petroleum equivalent)
1,065	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
1,142	138	1	103	83	269	Naphtha
201	15	-	308	36	377	Oil produced by conversion
113	287	-	251	835	780	Kerosene
4,312	6,355	977	394	-	-	Gas oils
-	10,815	-	-	-	-	Heavy Fuel oil A
794	287	-	2,133	5	1,001	Heavy Fuel oil B・C
105,902	-	-	-	-	-	Hydrocarbon oil
-	4,230	-	-	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	2,286	-	-	-	-	Petroleum coke
11,343	39,671	17,120	845,994	2,348	17,260	Asphalt
-	52,271	-	508,529	-	-	Reproduction oil (Oil origin)
-	556	-	289,082	-	-	Non-oil based fuels
-	2,095	-	111,774	-	-	(Crude petroleum equivalent)
-	1,542	-	926,880	-	-	Coal
8,025	-	2,869	7,070	381	2,285	Coal coke
-	959	12,302	65,138	1,704	13,211	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	675	-	157	-	-	Liquefied natural gas
-	13	-	-	-	-	Town gas(B)
97,033	76,010	55,538	1,048,918	6,749	227,320	Black liquor
17,343	30,595	49,166	561,740	6,715	223,452	Waste plastic
567,885	312,085	10,839	1,070,778	1,152	...	Refuse Paper & Plastic Fuel
85	8	-	162,172	-	...	Electricity
						among those purchased
						Steam
						among those accepted
285,114	327,224	84	1,788,916	10,444	41,443	Total
281,604	11,516	-	26,929	2,580	2,683	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
3	-	-	111	-	122	(Crude petroleum equivalent)
10,724	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	Gasoline
19	600	-	1,118	197	203	Naphtha
-	43	-	375	92	107	Oil produced by conversion
404	563	-	4,920	1,453	920	Kerosene
40,465	4,096	-	8,821	781	-	Gas oils
-	341	-	4,534	-	1	Heavy Fuel oil A
2,647	300	-	4,395	-	-	Heavy Fuel oil B・C
128,180	-	-	-	-	1,047	Hydrocarbon oil
64,962	5,258	-	653	-	-	Liquefied petroleum gas
-	-	-	-	-	-	Hydrocarbon gas
-	628	-	-	-	-	Petroleum coke
1,699	311,838	-	1,668,868	1,779	16,802	Asphalt
-	443,916	-	1,222,145	-	-	Reproduction oil (Oil origin)
-	4,131	-	628,812	2,274	278	Non-oil based fuels
-	6,117	-	194,353	-	-	(Crude petroleum equivalent)
-	427	-	1,438,599	-	-	Coal
1,202	38	-	1,391	-	63	Coal coke
-	122	-	17,298	71	14,999	Coke oven gas
...	...	...	...	...	...	Blast furnace gas
-	198	-	1,373	-	-	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
195,314	761,649	907	1,092,937	67,728	283,138	Black liquor
13,591	38,359	907	938,895	64,205	236,040	Waste plastic
1,568,373	3,047,762	-	1,285,980	37,186	...	Refuse Paper & Plastic Fuel
7,906	4,374	-	83,622	1,617	...	Electricity
						among those purchased
						Steam
						among those accepted

(December, 2021)

7) 四国経済産業局管内

Shikoku Bureau of Economy, Trade and Industry

種 別	単 位 Unit	合 計 Total	重複事業所分 補 正 量 Duplication adjustment	パルプ・紙・ 板紙工業 Pulp, paper, paperboard	化学工業 Chemical industry	化学繊維 工 業 Chemical fibers
合 計 (原 油 換 算)	kl	750,542	-	180,731	433,067	30,810
石 油 系 燃 料 (原 油 換 算)	"	223,438	-	8,430	164,866	9,968
原 ガ ソ リ 油	"	-	-	...	-	...
ナ フ サ	"	20	-	4	-	-
改 質 生 成 油	"	243	-	-	243	-
灯 油	"	144,380	-	-	144,380	-
軽 油	"	1,252	-	3	245	-
A 重 油	"	342	-	220	-	-
B ・ C 重 油	"	3,204	-	2,011	3	-
炭 化 水 素 油	"	22,082	-	3,892	7,860	5,370
液 化 石 油 ガ ス	t	3,568	-	-	1,115	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	8,725	-	1,453	3,043	-
オ イ ル コ ー ク ス	t	34,185	-	-	18,241	-
ア ス フ ァ ル ト	"	9,975	-	-	1,251	4,844
再 生 油 (石 油 由 来)	kl	-	-	-	-	-
		269	-	97	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	470,356	-	166,285	237,964	19,882
石 炭 コ ー ク ス	t	500,261	-	146,511	271,773	27,748
コ ー ク ス 炉 ガ ス	1000m ³	15,412	-	-	6,484	-
高 炉 ガ ス	"	41,312	-	-	41,312	-
液 化 天 然 ガ ス	t	-	-	-	-	-
都 市 ガ ス (B)	1000m ³	3,127	-	1,995	412	-
回 収 黒 液	絶乾(Dry)t	1,220	-	120	-	1,100
廃 プ ラ ス チ ッ ク	t	154,293	-	154,293	...	...
R P F	"	62	-	62	-	-
	"	8,103	-	8,103	-	-
電 力	1000kWh	894,378	-	389,111	171,021	61,735
う ち 購 入 分	"	417,470	-	51,687	159,393	9,965
蒸 気	t	3,909,136	-	2,678,982	343,256	356,681
う ち 受 入 分	"	259,162	-	17,471	222,939	479

8) 九州経済産業局管内(含沖縄)

Kyushu (Okinawa) Bureau of Economy, Trade and Industry

合 計 (原 油 換 算)	kl	2,135,458	1,001	75,753	639,222	6,021
石 油 系 燃 料 (原 油 換 算)	"	545,310	307	6,991	383,602	260
原 ガ ソ リ 油	"	13,462	-	...	13,462	...
ナ フ サ	"	847	-	-	-	-
改 質 生 成 油	"	273,528	-	-	273,528	-
灯 油	"	105,131	-	-	105,131	-
軽 油	"	2,420	309	272	432	-
A 重 油	"	392	7	1	25	-
B ・ C 重 油	"	3,865	-	88	2,217	-
炭 化 水 素 油	"	18,397	-	5,627	2,068	241
液 化 石 油 ガ ス	t	7,102	-	-	6,605	-
石 油 系 炭 化 水 素 ガ ス	1000m ³	18,911	7	-	12,017	-
オ イ ル コ ー ク ス	t	38,240	-	-	13,135	-
ア ス フ ァ ル ト	"	79,172	-	581	-	-
再 生 油 (石 油 由 来)	kl	20,390	-	-	-	-
		7,432	-	65	-	-
非 石 油 系 燃 料 (原 油 換 算)	kl	1,447,171	-	66,231	213,677	-
石 炭 コ ー ク ス	t	1,226,880	-	39,603	279,372	-
コ ー ク ス 炉 ガ ス	1000m ³	384,425	-	-	-	-
高 炉 ガ ス	"	175,077	-	-	36,689	-
液 化 天 然 ガ ス	t	828,371	-	-	-	-
都 市 ガ ス (B)	1000m ³	16,577	-	-	891	-
回 収 黒 液	絶乾(Dry)t	13,538	-	108	2,959	-
廃 プ ラ ス チ ッ ク	t	100,721	-	100,721	...	...
R P F	"	17,658	-	-	2,135	-
	"	-	-	-	-	-
電 力	1000kWh	1,544,477	7,457	167,322	174,341	14,944
う ち 購 入 分	"	1,129,127	7,457	27,209	121,190	14,944
蒸 気	t	3,305,816	-	1,064,668	893,694	63,236
う ち 受 入 分	"	532,337	-	-	427,116	63,236

(令和3年12月)

石油製品 工業	窯業・土石 製品工業	ガラス製品 工業	鉄鋼業	非鉄金属 地金工業	機械工業	Kind of energy
Petroleum products	Ceramics, clay and stone products	Glass products	Iron and steel	Non-ferrous metals	Machinery	
26,816	44,707	-	15,161	13,664	5,585	Total
26,816	6,301	-	2,220	4,479	357	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	14	-	-	-	2	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	2 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	117	-	38	836	13	Kerosene
-	117	-	2	3	-	Gas oils
-	435	-	52	496	207	Heavy Fuel oil A
2,575	507	-	4	1,874	-	Heavy Fuel oil B・C
-	1,511	-	-	942	-	Hydrocarbon oil
2,335	-	-	1,642	148	104	Liquefied petroleum gas
15,944	-	-	-	-	-	Hydrocarbon gas
-	3,880	-	-	-	-	Petroleum coke
-	-	-	-	-	-	Asphalt
-	172	-	-	-	-	Reproduction oil (Oil origin)
-	37,541	-	7,570	316	797	Non-oil based fuels
-	54,033	-	-	196	-	(Crude petroleum equivalent)
-	941	-	7,742	245	-	Coal
-	-	-	-	-	-	Coal coke
-	-	-	-	-	-	Coke oven gas
-	-	-	-	-	-	Blast furnace gas
-	-	-	156	-	564	Liquefied natural gas
-	-	-	-	-	-	Town gas(B)
...	...	...	...	...	...	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
23,307	50,603	-	61,500	89,413	47,688	Electricity
9	9,290	-	57,732	81,762	47,632	among those purchased
150,294	297,019	-	27,798	55,106	...	Steam
-	-	-	-	18,273	...	among those accepted
63,662	172,388	236	1,140,304	5,527	33,346	Total
62,281	52,718	4	33,776	2,806	3,379	(Crude petroleum equivalent)
...	...	...	...	...	...	Oil based fuels
-	1	-	-	-	846	(Crude petroleum equivalent)
-	-	-	-	-	-	Crude petroleum
-	-	-	-	-	-	846 Gasoline
-	-	-	-	-	-	- Naphtha
-	-	-	-	-	-	- Oil produced by conversion
-	94	-	788	119	1,024	Kerosene
-	22	-	340	-	11	Gas oils
16	352	-	342	437	413	Heavy Fuel oil A
6,146	2,386	-	520	1,409	-	Heavy Fuel oil B・C
-	497	-	-	-	-	Hydrocarbon oil
1,134	1,193	3	3,488	112	971	Liquefied petroleum gas
25,105	-	-	-	-	-	Hydrocarbon gas
-	46,958	-	31,585	48	-	Petroleum coke
20,390	-	-	-	-	-	Asphalt
-	6,941	-	93	333	-	Reproduction oil (Oil origin)
-	112,481	-	1,046,043	507	8,232	Non-oil based fuels
-	148,984	-	758,921	-	-	(Crude petroleum equivalent)
-	47	-	384,198	180	-	Coal
-	3,919	-	134,469	-	-	Coal coke
-	-	-	828,371	-	-	Coke oven gas
-	-	-	15,098	263	325	Blast furnace gas
-	-	-	3,157	-	7,314	Liquefied natural gas
...	...	...	...	...	...	Town gas(B)
-	10,749	-	4,774	-	-	Black liquor
-	-	-	-	-	-	Waste plastic
-	-	-	-	-	-	Refuse Paper & Plastic Fuel
31,366	188,804	2,500	708,287	29,329	235,041	Electricity
14,839	75,792	2,500	620,498	25,961	233,651	among those purchased
390,032	399,345	-	459,728	35,113	...	Steam
-	1,992	-	39,993	-	...	among those accepted

(December, 2021)

リサイクル適性 (A)

この印刷物は、印刷用の紙へ
リサイクルできます。