

Summary

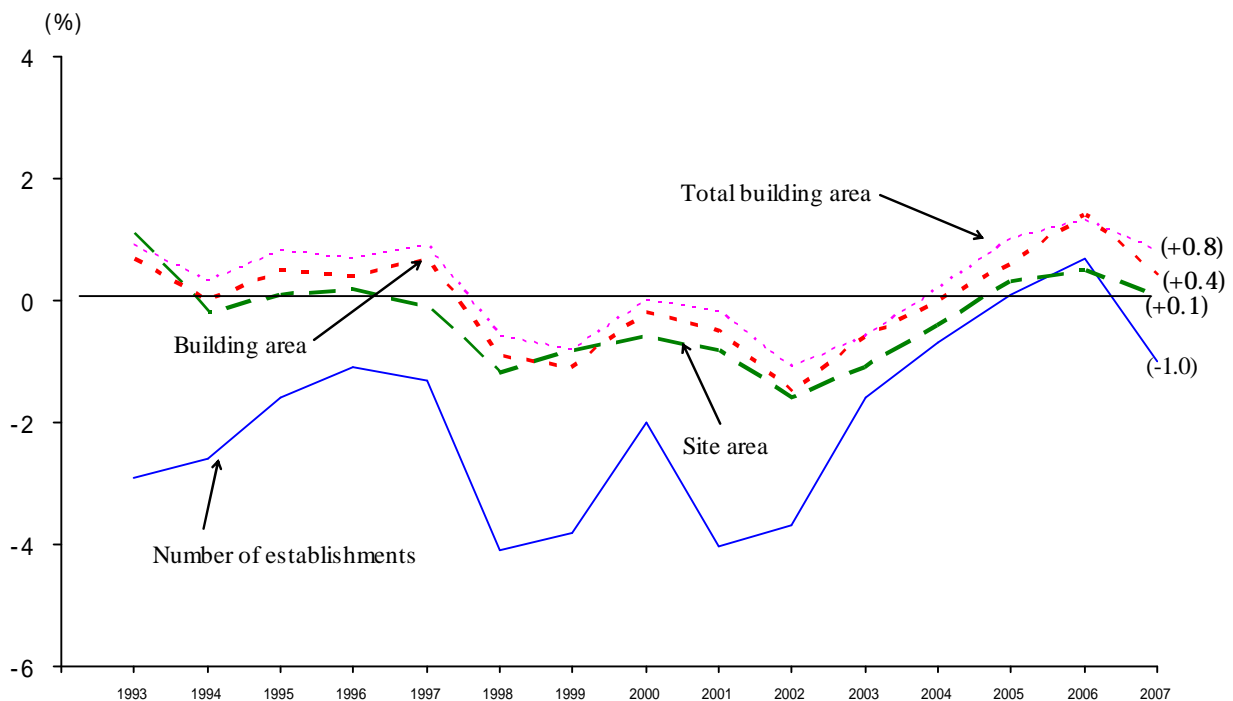
I. Land for industrial use

The number of manufacturing establishments with 30 or more employees in 2007 was 47,682, down 1.0% from 2006, showing the number decreased for the first time in three years.

The site area of establishments was 1,430.61 million m² (up by 0.1% compared to the previous year), showing increased for the third consecutive year. The building area was 390.4 million m² (up by 0.4% id.) ,showing increased for the third consecutive year and the total building area was 527.13 million m² (up by 0.8% id.) 527.13 million m² (up by 0.8% id.), showing increased for the fourth consecutive year. Also the value of product shipments per 1,000 m² of total building area was 565.83 million yen (Table 1 and Figure 1).

In addition of the site area per establishment was 30,003 m² (down by 1.2% id.) in average across all the manufacturing industries.

Figure 1: Changes in major items of land for industrial use
(Establishments with 30 or more employees)



Note: Figures in the parentheses are YoY comparisons of 2007 (%)

Table 1: Changes in major items of land for industrial use
(Establishments with 30 or more employees)

Year	Number of establishments		Site area		Building area		Total building area		Value of product shipments per 1,000 m ² of total building area	
		Yo/Y (%)	(thousand m ²)	Yo/Y (%)	(thousand m ²)	Yo/Y (%)	(thousand m ²)	Yo/Y (%)	(10 thousand yen)	Yo/Y (%)
1998	54,518	-4.1	1,474,839	-1.2	390,442	-0.9	518,648	-0.6	49,896	-6.4
1999	52,469	-3.8	1,462,761	-0.8	386,057	-1.1	514,749	-0.8	48,286	-3.2
2000	51,434	-2.0	1,453,612	-0.6	385,355	-0.2	514,995	0.0	50,098	3.8
2001	49,364	-4.0	1,442,586	-0.8	383,510	-0.5	513,982	-0.2	48,010	-4.2
2002	47,046	-3.7	1,418,233	-1.6	377,166	-1.5	505,230	-1.1	46,164	-2.7
2003	46,283	-1.6	1,403,172	-1.1	374,852	-0.6	502,214	-0.6	47,367	2.6
2004	45,970	-0.7	1,397,011	-0.4	374,978	0.0	503,110	0.2	49,387	4.3
2005	46,029	0.1	1,400,963	0.3	377,311	0.6	508,147	1.0	51,098	3.5
2006	46,366	0.7	1,407,682	0.5	382,765	1.4	514,687	1.3	54,244	6.2
2007	47,682	-1.0	1,430,605	0.1	390,400	0.4	527,125	0.8	56,583	-

Note 1: As a survey on establishments was conducted as part of the 1998 Survey, year-on-year comparisons have been computed by taking time series into account and excluding the establishments surveyed.

Note 2: As the Japan Standard Industrial Classification was revised at the time of the 2002 Survey, year-on-year comparisons have been computed by reclassifying the 2001 classification.

Note 3: The year-on-year comparisons in 2004 was computed while taking into account the establishments excluded by "Niigata-Chuetsu Earthquake."

Note 4: As a survey on establishments was conducted as part of the 2007 Survey, year-on-year comparisons have been computed by taking time series into account and excluding the establishments surveyed.

Note 5: As survey items were changed in the 2007 Survey, the value of product shipments per 1,000 m² of total building area are not related to those in the previous year.

1. Situation by industry

(1) Site area

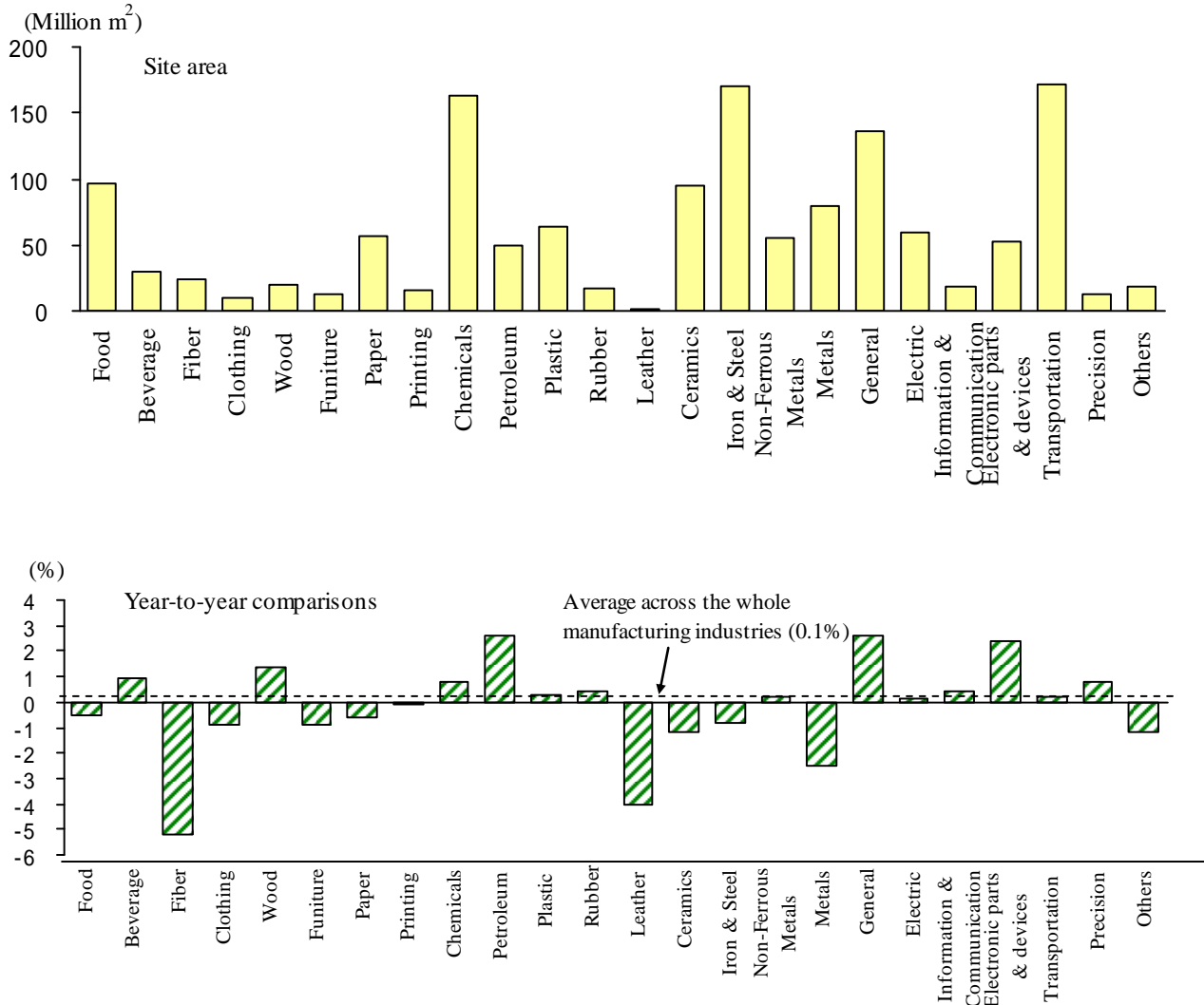
The site area of establishments was 1,430.61 million m²(up by 0.1% compared to the previous year), showing increase for the third consecutive year.

By industries fields, those with large site area are "Manufacture of transportation equipment" (172.07 million m², composition ratio of 12.0%), "Manufacture of iron and steel" (170.10 million m², 11.9% id.), "Manufacture of chemical and allied products" (163.35 million m², 11.4% id.), "Manufacture of general machinery" (136.08 million m², 9.5% id.), "Manufacture of food" (96.95 million m², 6.8% id.), "Manufacture of ceramic, stone and products" (94.46 million m², 6.6% id.), and "Manufacture of fabricated metal products" (78.93 million m², 5.5% id.).

On a year-on-year basis, an increase was seen in 13 industries, including the following: "Manufacture of general machinery" and "Manufacture of petroleum and coal products" (both of up by 2.6% compared to the previous year), "Electronic parts and devices" (up by 2.4% id.), "Manufacture of lumber and wood products, except furniture" (up by 1.4% id.). While a decrease was seen in 11 industries, including the following: "Manufacture of textile mill products, except apparel and other finished products made from fabrics and similar materials" (down by 5.2% id.),

“Manufacture of leather tanning, leather products and fur skins” (down by 4.0% id.), and “Manufacture of fabricated metal products” (down by 2.5% id.) (Figure 2).

Figure 2: Site area by industry
(Establishments with 30 or more employees)



(2) Total building area

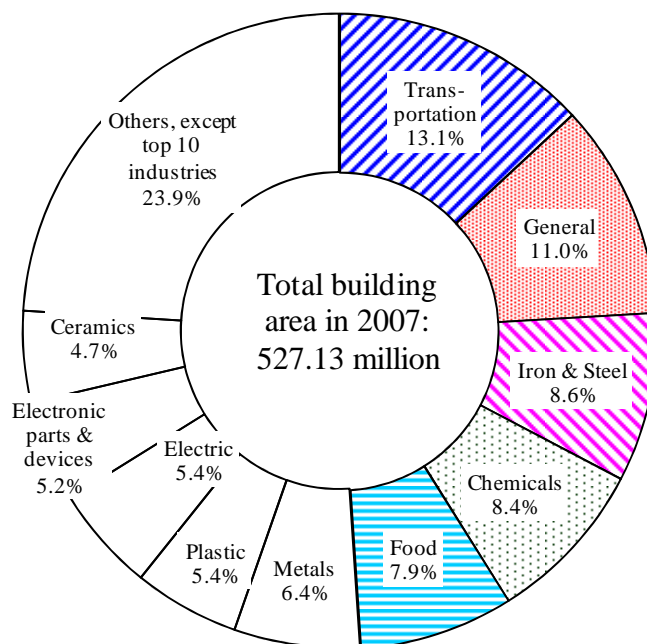
The total building area was 527.13 million m² (up by 0.8% compared from the previous year). (Table3)

By industry fields, those with large area include manufacture of “Manufacture of transportation equipment” (68.99 million m², composition ratio of 13.1%), “Manufacture of general machinery” (57.86 million m², 11.0% id.), “Manufacture of iron and steel” (45.38 million m², 8.6% id.), “Manufacture of chemical and allied products” (44.28 million m², 8.4% id.), “Manufacture of food” (41.45 million m², 7.9% id.), and “Manufacture of fabricated metal products” (33.86 million m², 6.4% id.).

On a year-on-year basis, an increase was seen in 10 industries, including the following: “Electronic parts and devices” (up by 5.5% compared to the previous year), “Manufacture of non-ferrous metals and products” (up by 4.7% id.), “Manufacture of rubber products”(up by 2.6% id.), /“Manufacture of general machinery” (up by 2.5% id.). While a decrease was seen in 14 industries, including the following: “Manufacture of leather tanning, leather products and fur skins” (down by 6.0% id.), “Miscellaneous manufacturing industries” (down by 4.0% id.), and “Manufacture of textile mill products, except apparel and other finished products made from fabrics and similar materials” (down by 3.8% id.) (Figure 3).

Figure 3: Breakdown of the total building area by industry

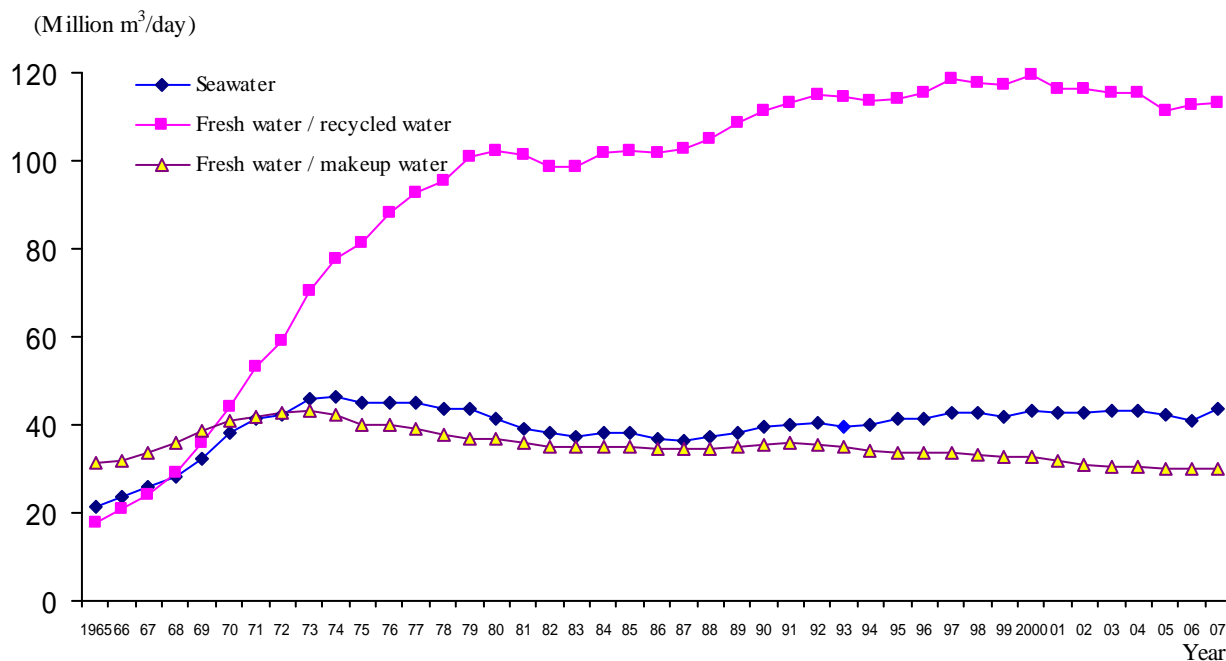
(Establishments with 30 or more employees)



II. Industrial water

Usage volume of industrial water per day at manufacturing establishments with 30 or more employees in 2007(hereinafter referred to as “volume of water”) was 186.94 million m³ (up by 1.7% compared to the previous year), of which fresh water was 143.23 million m³ (up by 0.1% id., composition ratio of 76.6%) and seawater was 43.71 million m³ (up by 7.0% id., 23.4 % id.) (Table 5 and Figure 7).

Figure 4: Changes in industrial water requirement per day
(Establishments with 30 or more employees)



Note: “Fresh water / makeup water” is the total of “fresh water” other than “recycled water”, i.e. “public water works”, “well water”, and “other fresh water”.

In addition to the recycle rate of fresh water (the ratio of recycled water in the total volume of fresh water) was 79.0% in the total manufacturing industries (up by 0.1 % compared to the previous year), showing increased for the second consecutive year. (Figure 5).

Figure 5: Changes in recycle rate of fresh water
(Establishments with 30 or more employees)

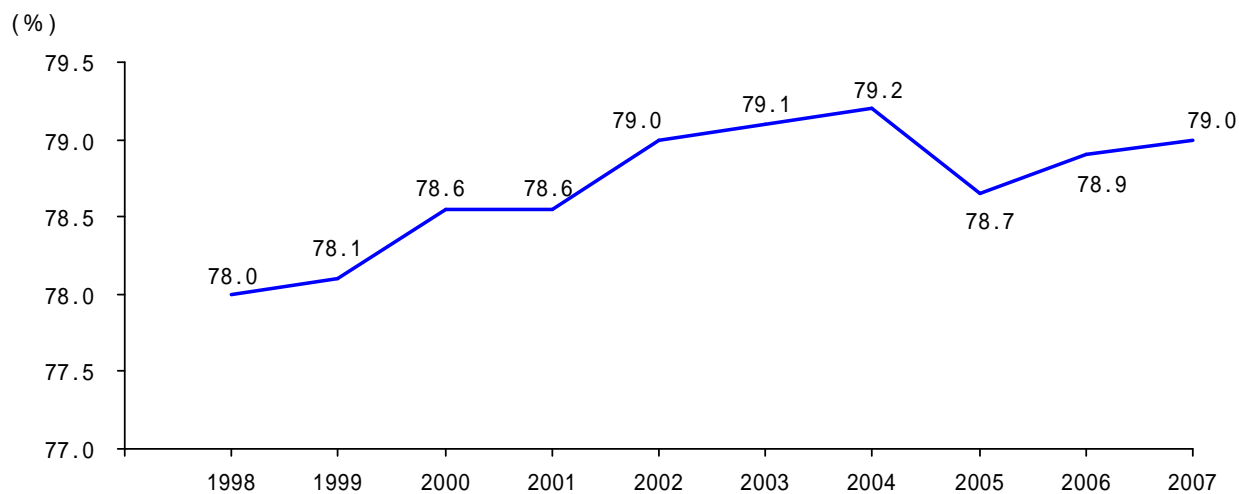


Table 2: Changes in industrial water requirement and fresh water requirement by source and by use
(Establishments with 30 or more employees)

Year	Number of establishments		Diversion of water							Total seawater		
			Total	Total fresh water			Recycle rate of fresh water					
	Yo/Y	Yo/Y		Yo/Y	Percentage		Difference from the previous year	Yo/Y	Percentage			
	(%)	(thousand m ³ /day)	(%)	(thousand m ³ /day)	(%)	(%)	(%)	(Point)	(thousand m ³ /day)	(%)	(%)	
1998	54,518	-4.1	193,803	-0.7	151,166	-0.7	78.0	78.0	0.1	42,636	-0.7	22.0
1999	52,469	-3.8	192,244	-0.8	150,277	-0.6	78.2	78.1	0.1	41,967	-1.6	21.8
2000	51,434	-2.0	194,952	1.4	151,965	1.1	77.9	78.6	0.5	42,988	9.6	22.1
2001	49,364	-4.0	190,547	-2.3	147,978	-2.6	77.7	78.6	0.0	42,569	-1.0	22.3
2002	47,046	-3.7	189,774	-0.3	147,021	-0.5	77.5	79.0	0.4	42,753	0.0	22.5
2003	46,283	-1.6	188,888	-0.5	145,742	-0.9	77.2	79.1	0.1	43,146	0.9	22.8
2004	45,970	-0.7	188,968	0.0	145,937	0.1	77.2	79.2	0.1	43,031	-0.3	22.8
2005	46,029	0.1	183,710	-2.8	141,437	-3.1	77.0	78.7	-0.5	42,273	-1.8	23.0
2006	46,366	0.7	183,463	-0.1	142,614	0.8	77.7	78.9	0.2	40,849	-3.4	22.3
2007	47,682	-1.0	186,936	1.7	143,227	0.1	76.6	79.0	0.1	43,709	7.0	23.4

1. Situation by industry

(1) Total water requirement

Observing the volume of water used by industry, the top two industries,, “Manufacture of chemical and allied products” (64.31 million m³, composition ratio of 34.4%) and “Manufacture of iron and steel” (56.02 million m³, 30.0% id.), account for more than 60%, followed by “Manufacture of petroleum and coal products” (15.46 million m³, 8.3% id.), “Manufacture of pulp, paper and paper products” (14.57 million m³, 7.8% id.), and “Manufacture of transportation equipment” (9.31 million m³, 5.0% id.); account for more than 80% of the volume of water (Table 2 and Figure 6).

Industries which use lots of fresh water are “Manufacture of chemical and allied products” (48.98 million m³, composition ratio in fresh water of 34.2%), “Manufacture of iron and steel” (38.67 million m³, 27.0% id.), “Manufacture of pulp, paper and paper products” (14.53 million m³, 10.1% id.), “Manufacture of transportation equipment” (9.29 million m³, 6.5% id.), and “Manufacture of petroleum and coal products” (8.23 million m³, 5.7% id.).

The three industries using the most seawater were “Manufacture of iron and steel” (17.35 million m³, composition ratio in seawater of 39.7%), “Manufacture of chemical and allied products” (15.33 million m³, 35.1% id.), and “Manufacture of petroleum and coal products” (7.23 million m³, 16.5% id.). These top three industries accounted for more than 90% of them.

Figure 6: Breakdown of water requirement by industry
(Establishments with 30 or more employees)

