

Outline of Future Nuclear Energy Policy Direction and Action Guidelines (provisional translation)

The following are the **major issues for future nuclear energy policy**, the **directions of actions** for their resolution, and **guidelines** for actions by relevant parties that have been organized in accordance with the **Sixth Strategic Energy Plan** and the **Basic Policy for Nuclear Energy**, and based on discussions at the **GX Implementation Council**, etc. Future actions will be concretized based on this.

All-out efforts for restart

- (Voluntary Safety Improvements)**
- Constant questioning to "break free from the safety myth"
 - Safety management reforms in which licensees collaborate with a wide range of stakeholders
- (Coexistence with local communities)**
- Strengthening response to the actual conditions and needs of each region
 - Multifaceted support and horizontal development in response to local needs, such as co-creation of future vision
 - Constant improvement of disaster prevention measures and enhancement and reinforcement of municipal support
 - Building a framework for effective exchange of views and cooperation and strengthening support, etc.
- (Communication with all levels of the public)**
- Reinforcement and enhancement of quality and quantity of communication, continuous reviews and improvement deliberations, not limited to one-way information provision
 - Reorganization of objectives and targets, diversification and improvement of content and tools

Maximum use of existing reactors

- (Operation period)**
- The central premise is that they cannot be operated without safety confirmation by the Nuclear Regulation Authority
 - From the viewpoint of the utilization policy, develop a framework for the operation period
 - The upper limit of the period will continue to be set in consideration of ensuring the understanding of the community and citizens and the continuity of the system
 - After confirming that the self-determination of energy supply, GX's leading role, and constant organizational improvement for safety have been achieved, a certain outage period will be excluded from the count
 - Ensure understanding, make progress in research and development, continue to evaluate trends in international standards, etc., and clarify the implementation of reviews as necessary
- (Improving the operation factor)**
- Contribute to self-determination and GX, etc., on the premise of ensuring safety
 - While fostering a common understanding with regulatory authorities, consider extending the operation cycle and expanding the introduction of on-line maintenance.

Development/construction of next-generation advanced reactors

- (Policy for development and construction)**
- Make efforts to develop and construct next-generation advanced reactors on the premise of community understanding to realize the value of nuclear power and maintain and strengthen technology and human resources
 - First, target rebuilding of reactors on the sites of reactors that are scheduled to be decommissioned based on the progress of back-end issues
 - Other development and construction will be considered based on future situations, such as the status of restarts and progress in securing understanding
- (Improving the business environment)**
- Promoting investment in next-generation advanced reactors to realize the value of nuclear power
 - Policy support for demonstration reactor development
 - Consideration and materialization of institutional measures that contribute to income stabilization, etc.
- (Establishment of R&D systems)**
- Gathering public and private resources to develop an effective development system
 - Clarification and sharing of prospects, support on a project basis, establishing a "control tower function," etc.
 - Promotion of self-driven R&D of next-generation advanced reactors through strategic collaboration with the United States, UK, France, etc.
 - Fostering related industries and promoting research and development toward promoting the Innovation Strategy for Fusion Energy.
- (Development of basic infrastructure and cultivation of human resources)**
- R&D of next-generation advanced reactors and construction of foundations for human resource development for that purpose
 - Acceleration of necessary support for basic R&D and infrastructure development
 - Promoting production and R&D of radioisotopes for medical use, etc.
 - Manufacturing by JPR-3 and JOYO
 - Supporting technical development for production using research reactors and accelerators

Back-end process acceleration

- (Promoting the nuclear fuel cycle)**
- Achieving the completion target of reprocessing plants, strengthening the response to promotion of pluthermal (plutonium utilization in thermal reactors) and expansion of spent fuel storage capacity
 - Reliable and efficient responses to safety reviews, etc., such as closer communication between utilities and regulatory authorities
 - Strengthen efforts to promote understanding of local communities in collaboration with utilities, support and proactive responses by the government
- (Smooth decommissioning)**
- Achieving steady and efficient decommissioning, promoting understanding of the use of clearance materials
 - Institutional measures for accumulating and sharing knowledge and know-how, securing funds, etc.
 - Strengthen activities to understand clearance materials and cooperate with recycling businesses
- (Realization of final disposal)**
- Broadly share with society the significance of the business and respect for the communities that contribute to it, and drastically strengthen the initiative of the national government
 - Establishment of a system for strengthening cooperation among relevant government ministries and agencies
 - Promotion of understanding activities led by the government
 - Promotion of local understanding activities by NUMO and utilities
 - Reinforcement of the technology base, enhancement of international cooperation

Maintain/strengthen supply chains

- (Maintaining and strengthening domestic supply chains)**
- Building support systems, such as hands-on and proactive support, according to the individual circumstances of each company
 - Strategic securing and development of human resources, such as support for the succession of skills by the government, promotion of acquisition of on-site skills through cooperation with universities and technical schools, etc.
 - Support for measures to ensure the supply of parts and materials, business succession support, etc., through cooperation with plant manufacturers and utilization of local Bureaus of Economy, Trade and Industry
- (Support for participation in overseas projects)**
- Public and private sector support for capturing overseas market opportunities to maintain technology and human resources
 - Forming a public-private partnership team aiming to participate in overseas projects, externally disseminating achievements and strengths, etc.
 - Active support for overseas expansion through collaboration with related organizations

Contribute to solving common international issues

- (Promoting R&D and building supply chains through international collaboration)**
- Contributing to immediate challenges faced by major countries in common
 - Further deepening international cooperation via G7 meetings, etc.
 - Strategic alliance for joint construction of supply chains
 - Promotion of self-driven R&D of next-generation advanced reactors through strategic collaboration with the United States, UK, France, etc.
- (Ensuring Nuclear Safety and Security)**
- Contributing to ensuring nuclear safety and security in Ukraine and around the world
 - Support for IAEA efforts in Ukraine, support for introducing nuclear power in cooperation with like-minded countries, etc.
 - Strengthening cooperation with the international community to ensure the safety of nuclear facilities