

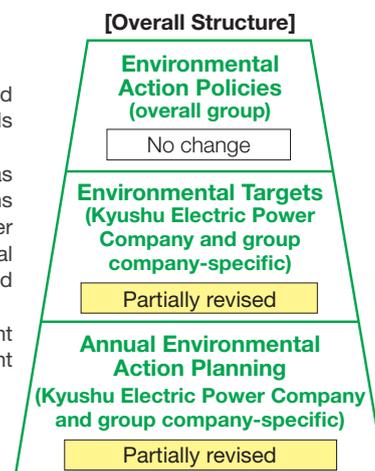
II. Planning considering the Results of FY2016

(FY2017 Kyushu Electric Power Company Group Environmental Action Plan)

The FY2017 Kyushu Electric Power Company Group Environmental Action Plan has been created based on the results from, and evaluation of, activities carried out in FY2016, including environmental trends within Japan and overseas.

Specifically, we have incorporated the restarting and safe, stable operation of nuclear power plants, as well as the active development and full-scale utilization of renewable energy, in order to control emissions of greenhouse gases. And in addition to initiatives which foster reduced energy consumption and lower carbon emissions among customer, we have added zero-waste-emission activities, local environmental preservation activities, environmental communication activities, next generation-focused energy and environmental education promotion activities and many others.

Everyone in the Kyushu Electric Power Group is working together in FY2017 as well to steadily implement all activities in line with the environmental action plan in order to pursue environmental management which achieves better business in a better environment.



Items Added as Environmental Targets

Item	FY2017	Notes
Play Forest frequency (sessions)	12 or more sessions	"Energy and Environmental Education Activities for the Next Generation" is a new addition to the targets
Environmental Education in the Kuju Kyuden Forest (sessions)	20 or more sessions	

Overview of FY2017 Environmental Action Planning

■ Steady Efforts to Control Greenhouse Gas Emissions

[Supply-side Initiatives]

(1) Restarting and Safe, Stable Operation of Nuclear Power Plants

- With the aim of restarting Genkai Nuclear Power Plant Reactors #3 and #4, appropriately comply with all inspections and reviews performed by the national government.
- Work continuously to improve operational safety and reliability, including the safety and stability of Sendai Nuclear Power Plant.

(2) Proactive Development and Full Incorporation of Renewable Energy

- Work with Group companies to find candidate locations for new renewable energy source development, as well as to undertake environmental assessments and construction at the development sites.
- Work to ensure continuous, stable operation of geothermal, hydro-power, wind power, biomass and solar power plants.
- Examine ways to link systems, incorporate large capacity accumulator systems and adopt other approaches that will allow for full-scale introduction of renewable energy.

(3) Initiatives to Improve Thermal Power Plant Efficiency

- Utilize economically viable, best available technologies (BAT) in the construction of new thermal power plants, such as how cutting-edge technology (ultra-supercritical pulverized coal combustion) is being steadily incorporated into Matsuura Power Plant Unit 2.

[Usage-side Initiatives]

(1) Initiatives Facilitating Reduced Energy Consumption and Carbon Emissions by Customers

- Promote initiatives which encourage smarter energy consumption, including the energy-saving information communication via our membership website, "Kirei Life Plus," and promotion aimed at achieving widespread adoption of the EcoCute high-efficiency water heater (heat pump).
- With the aim of supporting efforts to reduce household energy consumption and carbon emissions, examine how to improve the convenience (functionality) and adoption of the "Household Environmental Accounting Booklet."



Genkai Nuclear Power Plant



Hatchobaru Power Plant



Mirai-kun's Household Environmental Accounting Booklet

■ Expanded Implementation of Zero-Waste-Emissions Activities and Promotion of Green Procurement

(1) Efficient Expansion of Zero-Waste-Emissions Activities

- Continue with appropriate waste management and disposal, as well as 3R* activities at each plant or office.

*: Reduce, reuse, recycle

(2) Initiatives to Promote General-use Product and Power Generation Equipment Green Procurement

- Utilize meetings, documentation and other means of raising in-house awareness of green procurement, as well as utilize the company homepage and other media to promote green product proposals from clients.

■ Environmentally-Conscious Facilities Creation and Power Plant and Substation Environmental Protection

(1) Implementation of Sound and Efficient Environmental Assessments at Power Source Development Sites

- Conduct sound, autonomous assessments in connection with internal combustion power plant refurbishments and expansions, and support environmental assessments connected with power source development by our company outside of Kyushu.
- Continue reconstructing the dam and monitoring the environment with the aim of restoring the original river sediment flow (dam sediment transport operation) in the Mimi River water system in Miyazaki Prefecture, and undertake sound implementation of Hitotsuse River water turbidity prevention measures.

■ Development of Local Environmental Activities and Promotion of Environmental Communication and Next Generation-focused Energy and Environmental Activities

(1) Implementation of Environmental Preservation Activities in the Kuju Bogatsuru Marshlands, Kyushu-wide Environmental Month Activities and Other Activities Incorporating the Local Community

- Discuss and implement ways to augment environmental preservation activities, such as controlled burning and invasive species extermination in the Kuju Bogatsuru Marshlands (Taketa City, Oita Prefecture), conservation of the Kyushu azalea (a near-threatened species in Oita Prefecture), as well as installation of removal mats to prevent the introduction of invasive species (activities to be implemented by the Kyuden Mirai Foundation).
- During Environmental Month (June), host environmental lectures aimed at customers in the local community, as well as carry out the next generation-focused activities in conjunction with local communities (juvenile fish release, sweet potato planting, etc.).

(2) Promotion of Environmental Communication via Proactive Information Dissemination

- Utilize publications such as the Environmental Action Report Digest and media such as Facebook to facilitate active information dissemination which gives the public a clear understanding of the Kyushu Electric Power Group's Environmental Activities.

(3) Collaborating with Educational Organizations to Implement Next Generation-focused Energy and Environmental Education

- Work to increase the number of sessions and participants for the next generation-focused environmental education activities implemented by the Kyuden Mirai Foundation in the Kuju Kyuden Forest located around Yamashita Pond (Yufu City, Oita Prefecture) and owned by the Kyushu Electric Power.
- Work to increase the number of sites utilized throughout Kyushu for "Play Forest" events which combined environmental conservation with environmental education.
- Make use of "Eco-mother Activities" (environmental picture-story shows, etc.) to support environmental education for kindergartners, as well as to provide environmental information to their parents and guardians.
- Use Kyushu Electric Power employees to proactively provide "on-demand" energy and environmental education classes to elementary and junior high school students.

■ Promotion of Sound, Group-wide Environmental Management

(1) Sound Implementation of Environment-related Employee Education and Environmental Information Provision

- Continue to conduct training which improves the practical skill level of environmental affairs representatives as well as increases awareness and understanding for environmental regulations compliance.

(2) Group-wide Expansion and Promotion of Activities

- Use the Group Environmental Management Promotion Subcommittee and the Group Environmental Affairs Representative Coordination Conference to strengthen collaboration with and amongst Group companies and to provide support which is focused on regulatory compliance.



Toilet paper made from waste paper



Wildlife survey conducted as part of Shin-China Power Plant No. 7 extension planning



Open burning



Invasive species eradication activity



Sweet potato planting



Juvenile fish release activity



Environmental education in the Kuju Kyuden Forest



Play Forest



Eco-mother activities



On-demand classes



Environmental lecture by an outside instructor