

Environmental Considerations When Building Facilities

When we build power generation facilities, we conduct proper environmental assessments according to the characteristics of the facilities and the local environment as part of our commitment to environmentally conscious action and integrating our facilities into the surrounding environment.

Performing Environmental Impact Assessments

When we construct power stations and other facilities, we first conduct environmental impact assessments and other surveys of the natural environment (air, water quality, flora and fauna) in line with the Environmental Impact Assessment Act and other relevant legislation in order to predict what effects the facilities and their operation will have on the surrounding environment. Based on those results we take appropriate steps to protect the environment.

Implementation of Environmental Assessments

Type	Site name	Power generation method	State of implementation
Autonomous* Assessment	Shin-Kikai Power Station Units 7 and 8 Facility Expansion Plan (Kikai, Oshima District, Kagoshima Pref.)	Internal combustion power	Ended March 31, 2018
	Shin-Yoron Power Station Unit. 4 Facility Expansion Plan (Yoron, Oshima District, Kagoshima Pref.)		
	Akusekijima Power Station Unit. 2 Facility Refurbishment Plan (Toshima, Kagoshima District, Kagoshima Pref.)		

*Target scale of the Environmental Impact Assessment Act and the Local Environmental Impact Assessment Ordinance does not apply; assessments are voluntarily implemented for the purpose of environmental conservation

An Example of Environmental Conservation Measures

We performed an environmental impact assessment as part of a plan to refurbish the Otake Power Station (completed in July 2016). The survey revealed the presence of globe thistle* and other rare plants within the power station construction area, so experts were consulted and the plants were relocated. After the relocation, monitoring has been carried out periodically to check if the plants are blooming and bearing seeds.

In addition, we carried out a voluntary environmental assessment (completed in March 2017) accompanying the plan to expand Unit 7 at Shin-China Power Station in Kagoshima Prefecture. A type of hermit crab that had been nationally designated as a natural monument was discovered, so experts were consulted and the hermit crabs were moved to a suitable location off the company premises.

*Scientific name: *Echinops setifer*; a wild plant in the daisy family Asteraceae that grows on grassy meadows of volcanic mountains. Endangered in Japan due to changes to its habitat.



Globe thistle, flowering post-relocation



A hermit crab discovered on site