

Water Resources



ENVIRONMENT



Policy and Concept

A physical shortage of water has an impact on our business. Specifically, restrictions on the supply of drinking and industrial water could have an impact on the operations of water-dependent thermal and nuclear power plants.

Thermal and nuclear power plants use massive amounts of water; seawater is used for cooling purposes while about half of a power plant's water (excluding cooling water) is supplied by seawater desalination facilities.

In addition, the results of water risk assessments conducted in fiscal 2020 at our power plants showed that there was no significant risk associated with drought.

While drought poses little risk to our power plants in Japan, we will continue to work on the proper use of water resources and risk management.

At the same time, group-wide efforts will be made to minimize office water use (as part of the Kansai Electric Power Group Eco Action).

Goals

Reducing office water consumption

Reduce as much as possible

Efforts

Water risk assessments

The results of water risk assessments conducted in fiscal 2020 at our power plants showed that they were not at significant risk of a water shortage; resources include tools provided by the World Resources Institute (WRI)* and information obtained from external experts.

* An independent organization that researches policies on issues related to the global environment and development, as well as providing technical support.

Performance data

Water consumption*1	Unit	FY 2018	FY 2019	FY 2020
Total net fresh water consumption*2	million m ³	5.19	3.97	4.23
		(6.13)	(4.86)	(5.05)
River water		0.40	0.41	0.37
		(0.40)	(0.41)	(0.37)
Groundwater		0.00	0.00	0.00
		(0.40)	(0.36)	(0.48)
Total municipal water supplies		4.79	3.56	3.86
		(5.33)	(4.09)	(4.20)
Amount of industrial water used (for power generation)		3.70	2.64	2.73
		(3.87)	(2.82)	(2.91)
Amount of service water used (for power generation)	1.09	0.92	1.13	
	(1.46)	(1.27)	(1.29)	
Seawater (desalinated)*3	2.74	2.92	2.80	
	(2.74)	(2.92)	(2.80)	

*1 The figures in parentheses include the results of group companies (excluding those of some group companies)

*2 Excluding desalinated seawater

*3 Desalinated seawater