

Environmental Targets

Principle and Outline

Contributing to regional and global environmental conservation is a pivotal mission of the Daigas Group, which is mainly engaged in the energy business. In line with its Charter of Business Conduct, Code of Business Conduct, and Environmental Policy, the Daigas Group promotes environmental conservation activities.

Having set the medium-term environmental targets for the reduction of GHG emissions from its business activities, resource recycling, and the like, we have devoted active efforts to helping increase the use of natural gas, developing and facilitating more widespread use of highly efficient equipment, including fuel cells, offering customers proposals for the use of energy-saving products and services, and introducing renewable energy.

In line with the worldwide trend toward action against climate change, we are striving to reduce GHG emissions from its business activities, including CO₂ and methane (CH₄), to help realize a low-carbon or decarbonized society. Specifically, we devote positive efforts to reduce CO₂ emissions from liquefied natural gas (LNG) transportation, city gas production, and power generation. We also implement various energy-saving measures at offices.

In addition, as the trend toward decarbonization further accelerates, and as global economic stagnation and increased volatility in the energy market become apparent, it is becoming more important from the perspective of “S + 3Es”^{*}—the basic policy of the nation’s energy policy—to make energy carbon-neutral without compromising stability and security of energy supply.

In line with the “Carbon Neutral Vision” announced in January 2021 and “Medium-Term Management Plan 2023” in March of the same year, we are further accelerating our efforts toward low-carbon/decarbonized business operations. In March 2023, we announced “Energy Transition 2030 (ET2030),” which provided an overall picture of the path toward low-carbon/carbon-neutral energy solutions.

We will accelerate our efforts to combat climate change toward our medium- to long-term targets.

The results for each target established based on the Daigas Group Environmental Policy and “Medium-Term Management Plan 2023” are presented below.

^{*} S + 3Es: safety, energy security, economic efficiency, and environment

Environmental targets (FY2024.3 targets) and results Osaka Gas underwent a third-party verification by Bureau Veritas Japan Co., Ltd. (Verified items are indicated with an asterisk [*].)

Field	Indicators	Targets	Target fiscal year	FY2023.3 results	
Climate change	CO ₂ emissions of Daigas Group [*]	Net zero emissions	2051.3	25.98 million tons	
		27.02 million tons ^{*1} (5 million tons less than FY18.3)	2031.3	25.05 million tons	
	CO ₂ emissions reductions from our own business activities	Percentage of renewables in our power generation portfolio in Japan	Nearly 50%	2031.3	13.0%
		Contribution to developing renewables capacity on a global basis	5 GW	2031.3	2.11 GW
	2.5 GW		2024.3		
	CO ₂ emissions reductions at customer sites and through the value chain	<ul style="list-style-type: none"> Accelerating low-carbonization/decarbonization by facilitating more widespread use of highly energy-efficient and high value-added equipment using natural gas, renewable energy, etc. Operating LNG carriers efficiently and increasing the use of low-emission and other environmentally sustainable vehicles Providing environmental value by disseminating high-quality solutions in the fields of information, real estate, and materials 		Every year until 2031.3	Please see □□ P.43-44 for major initiatives.
Contribution to CO ₂ emissions reductions across society	Avoided emissions (Including reductions contributed at customer sites and overseas)	10 million tons (Baseline: FY2017.3)	2031.3	3.86 million tons	
Resource recycling	3R (reduce, reuse, and recycle) efforts in the Group's own business activities	Osaka Gas (including network company and the core energy business companies)	Industrial and general waste (final disposal rate) [*]	2% or below	1.0%
		Affiliates	Soil excavated during piping works (final disposal rate) [*]	1% or below	0.1%
			Soil excavated during piping works (final disposal rate) [*]	100%	100%
			Industrial and general waste (final disposal rate) [*]	98% or above	98.7%
		Value chain	Promoting 3R efforts concerning used equipment collected from customers or business activities	Gas meters (reuse rate) [*]	4% or below
Biodiversity	Paying due attention to biodiversity in business activities in line with the Daigas Group Biodiversity Promotion Policy		Every year until 2031.3	Please see □□ P.51-54 for major initiatives.	
Development of technology	Facilitating the development of technologies that will contribute to realizing a low-carbon or decarbonized society and provide a strong business foundation		Every year until 2031.3	Please see □□ P.55-57 for major initiatives.	
Green procurement and purchase	Promoting green purchase, the green partner system, etc. in cooperation with business partners		Every year until 2031.3	Please see □□ P.89 for major initiatives.	

^{*1} Emissions in domestic supply chain (Scopes 1, 2 and 3) (Targets for FY2031.3 newly set in “ET2030”)