

Environmental Initiatives

Basic Policy

Our environmental philosophy states that the “The Tokyo Gas Group will promote the harmonious use of energy to contribute to the protection of regional and global environments as well as to the sustainable development of society.” This philosophy is reflected in our four environmental policies, and we are striving to serve as a leader in environmental management as we play an active role in helping to solve global environmental problems.

- 1 Reduce the environmental impact of customers’ energy use
- 2 Reduce the total environmental impact of Tokyo Gas’ business activities
- 3 Strengthen environmental partnerships with local and international communities
- 4 Advance R&D in environment-related technologies

Initiatives in Fiscal 2008

In order to carry out the Environmental Policies, we have created Environmental Protection Guidelines in three major categories. First, global warming prevention guidelines are intended to reduce CO₂ emissions resulting from the increased use of natural gas. Second, resource recycling promotion guidelines focus on reducing the environmental impact of the Company’s activities through the implementation of the “3Rs” (reduce, reuse, recycle). Third, green purchasing guidelines promote consideration for the environment when purchasing the materials, construction work, or services necessary for business activities. With these guidelines, we established concrete environmental targets and have been striving to meet them. For example, in fiscal 2008 we reduced the level of CO₂ emissions generated by customers by 721 tons. From fiscal 2009, we have enhanced our environmental guidelines with the addition of three new guiding principles, namely biodiversity maintenance, environmental communication, and environment-related technology development.

As part of our CSR efforts, in September 2007 we established the Tokyo Gas Environmental Support Fund in commemoration of having reached the 10 million customer mark. With the goal of contributing to solving global and regional environmental problems and helping to realize a sustainable society, the Fund provides support for groups active in environmental preservation. In fiscal 2008, the Fund contributed a total of ¥10 million to 13 groups.

For further details of the environmental initiatives being carried out by Tokyo Gas, please refer to the ECO page on the Company’s website and the Tokyo Gas CSR Report 2008.

Access! ECO URL: www.tokyo-gas.co.jp/env/

CSR Report 2008 URL: www.tokyo-gas.co.jp/csr/report_e/index.html

Results for Fiscal 2008 and Targets for Fiscal 2010

		Target for fiscal 2010	Results for fiscal 2008
Global Warming	Reduction of CO ₂ emissions from customers’ facilities	8.00 million tons	7.21 million tons
	Unit energy use in gas production facilities (per unit of gas production)	1% or more reduction	0.8% reduction*
	Unit energy use in district cooling / heating systems (per heat sales volume unit)	1% or more reduction	1.0% reduction*
	Unit energy use at power plants (per unit of power transmitted)	1% or more reduction	1.4% reduction*
	Unit energy use in Tokyo Gas business offices (per city gas sales volume unit)	1% or more reduction	4.3% reduction*
Resource Recycling	Zero emissions at production plants	10 sites/10 sites	13 sites/15 sites
	Other waste (construction waste, etc.)	More than 91%	83%
	Reduction ratio of waste paper	10% reduction from fiscal 2005	1.9% reduction
	Recycling of waste paper	More than 85%	89%
	Sheets of copy paper used per person per year	5,000	6,570
Green Purchasing	Excavation spoil ratio	16%	18%
	Green procurement ratio	More than 70%	66%
	Number of affiliated companies that have already introduced an electronic catalog purchasing system	49 companies	44 companies

* Annual average reduction ratio

Safety Initiatives

Basic Policy

Tokyo Gas has established the following three key policies for the safe use of gas equipment.

- 1 Increase the use of equipment that does not cause numerous incidents of accidents, gas leaks, or malfunctions, and of functional equipment to minimize such incidents (“hard” countermeasures)
- 2 Educate customers on the correct use of equipment and carry out regular inspections (“soft” countermeasures)
- 3 Establish emergency response protocols to be executed should a gas leak occur (emergency response countermeasures)

Initiatives in Fiscal 2008

Among our “hard” countermeasures, in fiscal 2008 we continued the “Switchover Promotion Campaign” that we began in January 2007, targeting water heaters and bathtub water heaters not equipped with incomplete combustion avoidance devices. As part of the campaign, we agree to bear part of the cost of switching to safe appliances. Since the campaign began, we have spent ¥2.4 billion, and the number of targeted appliances has decreased from 298,000 units to 172,000 units.

Moreover, we continue to loan ventilation alarms without charge to ensure the safety of customers using gas equipment in commercial kitchens, an initiative we began in November 2006. A number of accidents occurred in commercial kitchens in 2008, and accordingly we have increased our visits to customers. By the end of March 2009, out of our target of 150,000 alarms, we had installed 83,600 alarms.

Among our “soft” countermeasures, as required by the Gas Utility Industry Law, we implement periodic gas facility safety checks for each of our customers once every 40 months. These gas facility safety inspections include checking gas pipes for leaks and testing exhaust equipment. In addition to enhancing these inspections, we are also working to promote awareness of safe gas usage through communication with customers.

For emergency response countermeasures, we have full-time personnel with specialized skills in such areas as gas leaks. These personnel are deployed to our Gas Light 24 emergency response bases, from which we are able to rapidly respond to emergencies 24 hours a day, 365 days a year.

To ensure the safe supply of gas, we have been systematically replacing aging pipes, such as gray cast-iron pipes and galvanized gas pipes, with safer polyethylene pipes. We spent ¥15.1 billion on these replacements in fiscal 2008. We have already announced our intention to complete the replacement of gray cast-iron pipes and galvanized gas pipes by fiscal 2015, and are striving to advance this deadline as much as possible.

For further information on Tokyo Gas safety initiatives, please refer to the Tokyo Gas CSR Report 2008, which is available on the Tokyo Gas website.



Gas Light 24



Safety control center



Polyethylene pipes