

## Fiscal 2017 Environmental Preservation Costs

Category		Major Activities	Amount Invested (million yen)	Costs (million yen)
Costs in Business Areas	Pollution Control	Comprehensive drainage measures, updated control panels/rectifiers for equipment to counter soot and smoke, etc.	423	4,016
	Global Environmental Conservation	Adoption of a fuel reduction system, installation and upgrade of pretreatment equipment for raw materials to reduce CO <sub>2</sub> , improvements to equipment to reduce hydrogen steam, etc.	276	385
	Resource Recycling	Installation of waste storehouses, partial upgrade of incineration equipment, PCB waste disposal costs, etc.	212	1,210
Upstream and Downstream Costs			0	1
Management Activity Costs		Installation of environmental analysis equipment	69	240
Research and Development Costs			0	0
Social Activity Costs		Greenification and beautification measures Production of CSR report	0	68
Costs for Environmental Damage		Imposition, management of a former mining site	0	105
Total			980	6,025

## Economic Benefits in Fiscal 2017

Category	Material Benefit (1,000 metric tons)	Economic Benefit (million yen)
Gains on Reduction in Energy Consumption	-	194
Gains on Sale of Valuable Waste	88	206
Gains on Reduction in Waste Disposal Costs through Waste Recycling	247	642
Gains on Reduction in Raw Material and Fuel Costs through Waste Recycling	248	448
Total	-	1,490