

Fiscal 2018 Environmental Preservation Costs

Category	Major Activities	Amount Invested (million yen)	Costs (million yen)	
Costs in Business Areas	Pollution Control	Implementation of comprehensive drainage measures, update of soot and smoke removal equipment, etc.	293	4,539
	Global Environmental Conservation	Adoption of a fuel reduction system, installation and upgrade of equipment for reducing CO ₂ , etc.	155	356
	Resource Recycling	Installation of waste storehouses, partial upgrade of incineration equipment, PCB waste disposal costs, etc.	266	1,244
Upstream and Downstream Costs		0	2	
Management Activity Costs	Installation and upgrade of equipment for environmental monitoring and analysis	12	266	
Research and Development Costs		4	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	0.3	103	
Total		731	6,578	

Economic Benefits in Fiscal 2018

Category	Material Benefit (1,000 metric tons)	Economic Benefit (million yen)
Gains on Reduction in Energy Consumption	–	191
Gains on Sale of Valuable Waste	91	270
Gains on Reduction in Waste Disposal Costs through Waste Recycling	212	555
Gains on Reduction in Raw Material and Fuel Costs through Waste Recycling	213	385
Total	–	1,401

Learn about Tokuyama's business activities and their impact on biodiversity at:

<https://www.tokuyama.co.jp/eng/csr/>