

Collected data ● Source: 89 Ricoh Group companies (See page 2.)  
 ● Collection period: From April 1, 2002, to March 31, 2003 (for cost and total environmental impact)  
 \* Environmental impact reduction shows the difference of the fiscal 2002 performance from the fiscal 2001 performance.  
 \* Social cost is calculated based on 108 Euro/t - CO<sub>2</sub> (¥13,068/t - CO<sub>2</sub>).

Cost unit: ¥100 million (Exchange rate: \$1 = ¥121.96 €1 = ¥121.00)

Item	Costs			Economic Benefits			Effect on Environmental Conservation				Environmental Impact			
	Environmental Investments	Environmental Costs	Main Costs	Monetary Effects	Category	Item	Environmental Impact Reduction (t)	Conversion Coefficient	Converted Quantity of Reduction	Social Cost Reduction Values	Total (t)	Conversion Coefficient	Converted Value of Reduction	Social Costs
Business area costs	3.5	25.6	Pollution prevention cost ..... ¥740 million	10.9	a	Energy savings and improved waste processing efficiency	Environmental impact reduction at business sites							
			Global environmental conservation cost ..... ¥336 million	50.9	b	Contribution to value-added production	CO <sub>2</sub> ..... -3,054.4	1.0	-3,054	-0.40	CO <sub>2</sub> ..... 286,198	1.0	286,198	37.40
			Resource circulation cost ... ¥1,484 million	69.4	c	Avoidance of risk in restoring environments and avoidance of lawsuits	NOx ..... 1.5	19.7	29	0.00	NOx ..... 189	19.7	3,716	0.49
Upstream/Downstream costs	0.5	65.3	Cost of collecting, disassembling, and recycling used products	58.9	a	Sales of recycled products, etc.	SOx ..... 9.5	30.3	289	0.04	SOx ..... 14	30.3	422	0.06
				[21.1]	S	Reduction in society's waste disposal cost	BOD ..... 33.2	0.02	1	0.00	BOD ..... 22	0.02	0	0.00
Managerial activity costs	0.4	39.8	Cost generated by the division in charge of environmental conservation; cost to establish and maintain an environmental management system	3.6	b	Effects of media coverage and environmental education	Final waste disposal amount ..... 148.9	104.0	15,483	2.02	Final waste disposal amount ..... 1,490	104.0	154,955	20.25
Research and development costs	0.9	15.9	Research and development costs for environmental impact reduction	36.1	a	Contribution to gross margin through environmental research and development	PRTR substance emissions	(Ricoh standards per substance)	47,025	6.15	PRTR substance emissions	(Ricoh standards per substance)	78,211	10.22
				[5.6]	S	Reduction in user's electricity expenses thanks to an improved energy saving function and product performance	Environmental impact reduction through products							
Social activity costs	0.0	2.8	Costs of preparing environmental reports and advertisements	8.2	b	Publicity from environmental advertisements, etc.	CO <sub>2</sub> ..... 8,709.3 (t)							
Environmental damage costs	0.9	0.9	Costs of restoring soil and environment-related reconciliation	—	—	None	NOx ..... 7.1 (t)							
Other costs	0.0	0.3	Other costs for environmental conservation	—	—	None	SOx ..... 5.7 (t)							
Total	6.2	150.6		238.0	Sum of a:105.9, b:62.7, and c:69.4.									
				[26.7]	Total S's									

• Environmental investment rate: 2.2%  
 [= environmental investment (6.2)/total capital investment (281.9)]

• Environmental R&D cost rate: 1.9%  
 [= Total environmental R&D cost (15.9)/Total R&D cost (835)]

Sustainable Management Indicator	Results for Fiscal 2002	Formula
Ratio of eco profit (REP)	1.58	Total economic benefit (238.0)/Total environmental conservation cost (150.6)
Ratio of eco effect (REE)	1.81	[Total economic benefit (238.0) + Total social cost reduction amount (7.81 + 26.7)]/Total environmental conservation cost (150.6)
Eco index	1,423.7	Gross profit (¥745,349,000 thousand)/Total environmental amount (523,502)
Ratio of profit to social cost (RPS)	108.9	Gross profit (¥745.3 billion)/Total social cost (¥6.84 billion)