

Corporate Environmental Accounting of the Ricoh Group for FY2000

Data collection points: Ricoh and 16 domestic and overseas production basis and manufacturing and service subsidiaries.

Data collection period: from April 1, 2000 to March 31, 2001 (for costs and total environmental impact)

Environmental impact reduction shows the difference of the fiscal 2000 performance from the fiscal 1999 performance

Unit million Yen

Item	Costs			Economic Benefits			Effect on environmental conservation				Environmental impact		Eco-ratio	Converted value of reduction	Conversion coefficient				
	investment	Env.cost	Main costs	Monetary effect		item	Impact reduction(t)	rate	EE	Converted quantity	Total ton								
Business area cost	1,100	1,690	Pollution prevention...499	1,710	a	Energy Savings improve waste process	<i>In the business site</i>				CO2 246,065	0.01	246,065	1.0					
			Energy Saving etc...257	5,910	b	Contribution to value add	CO2	2275.0	0.9%	22.00					2,275	NOx 72	47.59	1,411	19.7
			Recycle cost...936	1480	c	Avoid risk	NOx	5.1	6.7%	0.05					101	SOx 21	158.17	629	30.3
Upstream/Downstream cost	50	3,300	Cost for collection and reassemble for recycling used products	1570	a	Sales of recycled products	SOx	3.6	14.7%	0.03	109	BOD 53	64.71	1	0.02				
				[1760]	S	Social cost save	BOD	-16.0	-43.8%	-0.16	-0	Final waste disposal 4,699	0.70	488,654	104.0				
Managerial activity cost	150	3,140	Cost for environmental management	170	b	education	Final waste disposal	2689.8	36.4%	26.01	279,739	PRTR 178 substances	218,943	Ricoh standard per substance					
R&D cost	60	1,550	R&D costs	20	a	Cost down by eco-rack	PRTR 178 substances	42,413	218,943	Ricoh standard per substance									
				2,100	b	Value add by R&D													
				[390]	S	Cost saving for customer by product's energy save													
Social activity	0.0	470	Environmental report advertisement	200	b	Advertisements	Environmental impact reduction through products CO2 6,026.0 (t) NOx 4.9 (t) SOx 3.9 (t) Final waste disposal 22,033.0 (t)												
Restoration cost	180	160	Restoration cost	-	none														
Others	0.0	30	others	-	none														
Total	1,540	10,340		13,160		private effect (in Ricoh group)				324,637			955,704						
				[2,150]		Social effect(out of Ricoh group)													

Total investment volume
321,300 (million yen)

0.0314
EE index

356.6
Eco-index

→ Japanese area only

- a: Substantial effect
- b: Expected effect
- c: Incidental effect
- S: Social effect