

## Aggregation Scope

Aggregation Scope	Japan		Outside Japan	
	Target Period	Name of Site	Target Period	Name of Site
FY2004	April 1, 2004 ~ March 31, 2005	Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility.	January 1, 2004 ~ December 31, 2004	Taiwan Brother Industries, Ltd., Brother Industries (U.K.) Ltd., Brother Industries Technology (M) Sdn. Bhd., Zhuhai Brother Industries, Co., Ltd., Xian Typical Brother Industries Co., Ltd., Brother Technology (Shenzhen) Ltd.
FY2005	April 1, 2005 ~ March 31, 2006	Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility, Research & Development Center, Logistic Center.*1	January 1, 2005 ~ December 31, 2005	Taiwan Brother Industries, Ltd., Brother Industries (U.K.) Ltd., Brother Industries Technology (M) Sdn. Bhd., Zhuhai Brother Industries, Co., Ltd., Xian Typical Brother Industries Co., Ltd., Brother Industries (Shenzhen) Ltd., Brother Technology (Shenzhen) Ltd.
FY2006	April 1, 2006 ~ March 31, 2007	Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility, Research & Development Center, Logistic Center.*1	April 1, 2006 ~ March 31, 2007	Taiwan Brother Industries, Ltd., Brother Industries (U.K.) Ltd., Brother Industries Technology (M) Sdn. Bhd., Zhuhai Brother Industries, Co., Ltd., Xian Typical Brother Industries Co., Ltd., Brother Sewing Machine (Shanghai) Co., Ltd., Brother Sewing Machine Xian Co., Ltd., Brother Industries (Shenzhen) Ltd., Brother Technology (Shenzhen) Ltd.
FY2007	April 1, 2007 ~ March 31, 2008	Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility, Research & Development Center, Logistic Center.*1	April 1, 2007 ~ March 31, 2008	Taiwan Brother Industries, Ltd., Brother Industries (U.K.) Ltd., Brother Industries Technology (M) Sdn. Bhd., Zhuhai Brother Industries, Co., Ltd., Xian Typical Brother Industries Co., Ltd., Brother Sewing Machine (Shanghai) Co., Ltd., Brother Sewing Machine Xian Co., Ltd., Brother Industries (Shenzhen) Ltd., Brother Technology (Shenzhen) Ltd.
FY2008	April 1, 2008 ~ March 31, 2009	Headquarters, Mizuho Manufacturing Facility, Hoshizaki Manufacturing Facility, Minato Manufacturing Facility, Momozono Manufacturing Facility, Kariya Manufacturing Facility, Research & Development Center, Logistic Center.*1	April 1, 2008 ~ March 31, 2009	Taiwan Brother Industries, Ltd., Brother Industries (U.K.) Ltd., Brother Industries Technology (M) Sdn. Bhd., Zhuhai Brother Industries, Co., Ltd., Xian Typical Brother Industries Co., Ltd., Brother Sewing Machine (Shanghai) Co., Ltd., Brother Sewing Machine Xian Co., Ltd., Brother Industries (Shenzhen) Ltd., Brother Technology (Shenzhen) Ltd., Brother Industries (Vietnam) Ltd. *2

\*1 Only Environmental Conservation Effects were aggregated regarding

\*2 For Brother Industries (Vietnam) Ltd., the data covers only the "Economic Effects of Environmental Conservation Efforts" and "Environmental Conservation Effects."

## Environmental Conservation Effects

Content of Effect	Classification of Index to Measure Environmental Conservation Effect	Japan					Outside Japan						
		FY2004	FY2005	FY2006	FY2007	FY2008	FY2004	FY2005	FY2006	FY2007	FY2008		
Effects related to resource input into business operations	Effects related to resource input into business operations	Total energy input	(KL: converted into crude oil quantity)	10,211	10,703	10,699	10,476	10,398	9,005	11,894	16,594	15,839	15,482
		Water input	m <sup>3</sup>	160,012	177,587	165,687	147,780	128,759	414,106	600,419	567,940	541,205	516,047
	Effects related to environmental impact and waste released from business operations	Release into atmosphere	CO <sub>2</sub> (t-CO <sub>2</sub> /year)	19,089	17,939	17,363	16,956	16,831	16,192	22,248	29,811	30,066	28,543
			NOx (kg/year)	1,817	1,467	1,301	1,136	1,147	8,941	16,095	22,476	21,486	17,937
			SOx (kg/year)	107	9.9	9.7	6.3	5.8	2,304	4,404	6,101	5,925	4,852
	Generation of waste	Amount of waste generation (t)	3,224	3,440	3,468	3,208	2,789	3,077	3,255	4,162	3,858	3,308	
Landfill waste (t)		0	0	0	0	0	93	108	43	43	19		

## Economic Effects Involving Environmental Conservation Effects

(Unit: millions of Yen)

Content of Effect	Japan					Outside Japan					
	FY2004	FY2005	FY2006	FY2007	FY2008	FY2004	FY2005	FY2006	FY2007	FY2008	
Income	Operating income from recycling of waste generated from main business operations	9.1	8.4	12.9	18.3	11	18.2	45.6	47.0	54.7	36.4
Cost reduction	Reduction in energy cost by energy-saving	16.6	15	10.5	2.2	2.2	4.8	16.2	36.8	32.6	140
	Reduction in waste treatment cost due to resource-saving and recycling	41.7	45.1	49.5	50.5	39.1	74.8	64.7	104.1	86.6	61.3
Other	Public relations cost converted from the effect of media coverage, such as newspaper reporting.	4.1	5.6	4.9	1.8	3.9	0.6	0.1	0	0	0
Total		71.5	74.1	77.7	72.7	56.2	98.4	126.6	188.0	173.9	237.6

## Environmental Conservation Costs

(Unit: millions of Yen)

Classification	Details of Main Implementation and the Effects	Japan									
		Investment Amount					Expense Amount				
		FY2004	FY2005	FY2006	FY2007	FY2008	FY2004	FY2005	FY2006	FY2007	FY2008
1. Business area costs: Costs for reducing direct environmental impacts occurring within the facility area		20	14	6	7	31	242	200	228	139	244
Breakdown:	(1) Pollution prevention cost	11	2	0	5		38	33	30	32	32
	(2) Global environmental conservation cost	9	12	4	0	31	27	18	30	27	32
	(3) Resource circulation cost	0	0	2	1		177	149	167	80	180
2. Upstream/Downstream costs: Costs for reducing environmental impacts occurring upstream or downstream, associated with parts procurement and service activities	Green procurement activities and collection & recycling of consumed products and supplies	0	2	0	0	4	19	37	22	22	142
3. Management activity costs: Costs in management activities that indirectly contribute to the reduction of environmental impacts in business operations	Establishment, administration, and maintenance of the ISO 14001 system; environmental education for employees, disclosure of environmental information; and cleaning and tree planting within facility sites and surroundings	187	156	138	86	54	360	263	288	275	323
4. Research and development costs: Costs in research and development activities for environmental impact reduction	Development of environment-conscious products and technology; and implementing product assessment and design improvements	3	6	34	0	2	118	120	119	148	100
5. Social activity costs: Costs in environmental conservation not directly related to business operations	Supporting environmental conservation groups and organizations; supporting environmental activities of local residents; and providing information to local residents	0	0	0	0	0	26	16	18	18	16
6. Environmental damage costs: Costs for restoring environmental damage (e.g. soil purification)	Investigation and purification of soil contamination	0	0	2	0	0	5	2	1	2	1
Total		210	178	180	93	91	770	639	675	604	825

(Unit: millions of Yen)

Classification	Details of Main Implementation and the Effects	Outside Japan									
		Investment Amount					Expense Amount				
		FY2004	FY2005	FY2006	FY2007	FY2008	FY2004	FY2005	FY2006	FY2007	FY2008
1. Business area costs: Costs for reducing direct environmental impacts occurring within the facility area		4	33	47	81	221	49	80	109	177	244
Breakdown:	(1) Pollution prevention cost	1	14	30	13	16	21	40	54	42	22
	(2) Global environmental conservation cost	3	13	4	66	201	5	4	19	18	195
	(3) Resource circulation cost	0	6	12	2	4	23	36	36	117	27
2. Upstream/Downstream costs: Costs for reducing environmental impacts occurring upstream or downstream, associated with parts procurement and service activities	Green procurement activities and collection & recycling of consumed products and supplies	0	0	0	0	0	8	4	2	16	0
3. Management activity costs: Costs in management activities that indirectly contribute to the reduction of environmental impacts in business operations	Establishment, administration, and maintenance of the ISO 14001 system; environmental education for employees, disclosure of environmental information; and cleaning and tree planting within facility sites and surroundings	0	0	0	0	0	16	22	20	20	14
4. Research and development costs: Costs in research and development activities for environmental impact reduction	Development of environment-conscious products and technology; and implementing product assessment and design improvements	11	5	0	0	0	0	0	0	1	0
5. Social activity costs: Costs in environmental conservation not directly related to business operations	Supporting environmental conservation groups and organizations; supporting environmental activities of local residents; and providing information to local residents	0	0	0	0	0	1	3	2	2	3
6. Environmental damage costs: Costs for restoring environmental damage (e.g. soil purification)	Investigation and purification of soil contamination	0	0	0	0	0	0	0	0	0	0
Total		15	38	47	81	221	75	109	133	217	261