

EBARA Corporation - ESG Data 2018 [Environment]

As of 2017/12/31

Topic		Data Boundary	Fiscal Year Ended				
			2015/3	2016/3	2017/3	2017/12*1	
Air Emissions	NOx (tons)	EBARA*2	19	7	23	0	
	SOx (tons)	EBARA*2	1	0	1	0	
	Volatile Organic Compounds (VOC) (tons)	EBARA*2	41.8	36.5	38.6	32.5	
		Domestic Group*3	4.9	4.7	9.1	6.8	
		Overseas Group*4	-	-	-	32.8	
	Total	46.7	41.2	47.7	72.1		
Climate Change	Electricity Consumption (MWh)	EBARA*2	74,751	75,341	78,536	61,915	
		Domestic Group*3	4,944	4,973	6,534	4,423	
		Overseas Group*4	-	-	-	52,703	
		Total	79,695	80,314	85,070	119,041	
	Production of Renewable Energy (kWh)	EBARA*2	384,000	394,000	450,000	305,917	
		Domestic Group*3	9,931	10,617	17,152	15,824	
		Total	393,931	404,617	467,152	307,461	
	Fuel Consumption (kL) - Petroleum Conversion	EBARA*2	4,870	4,430	3,711	2,781	
		Domestic Group*3	237	201	469	301	
		Overseas Group*4	-	-	-	4,408	
		Total	5,107	4,631	4,180	7,490	
	GHG Emissions Scope 1+2 (thousand tons)*5	EBARA*2	37	48	47	36	
	GHG Emissions Scope 1+2 (thousand tons)*5	Domestic Group*3	2	3	5	3	
GHG Emissions Scope 1+2 (thousand tons)*5	Overseas Group*4	-	-	-	32		
GHG Emissions Scope 3 (thousand tons)*5	EBARA*2	9	8	7	7		
Water	Water Consumption (K ^m)	EBARA*2	523	600	584	438	
		Domestic Group*3	32	31	39	23	
		Overseas Group*4	-	-	-	391	
		Total	555	631	623	852	
	Discharged Water (K ^m)	EBARA*2	393	512	464	3692	
	Domestic Group*3	22	22	27	22		
	Total	555	631	491	3,714		
Waste	Total Discharged Amount (tons)	EBARA*2	8,524	8,340	8,266	6,788	
		of which, special control industrial waste	-	-	-	26	
		Domestic Group*3	863	713	1,125	916	
		of which, special control industrial waste	-	-	-	11	
		Overseas Group*4	-	-	-	6,330	
		Total	9,387	9,053	9,391	14,034	
	Recycled Material Amount (tons)*6	EBARA*2	7,196	6,605	6,609	5,786	
		Domestic Group*3	508	175	1,106	687	
		Overseas Group*4	-	-	-	2,937	
		Total	7,704	6,780	7,715	9,410	
Recycled Material Rate (%)	EBARA*2	98.7	97.2	98.8	98.0		
Final Landfill Disposal Amount (tons)	EBARA*2	95	192	77	111		
	Domestic Group*3	10	0	15	3		
	Overseas Group*4	-	-	-	1,288		
	Total	105	192	92	1,402		
Final Landfill Disposal Rate (%)	EBARA*2	1.1	2.3	0.9	1.6		
Chemical Substance Use/ Emissions	Substances controlled by PRTR Law *7	Release and transfer amount (tons) *8	EBARA*2	56.0	61.0	58.0	38.1
			Domestic Group*3	4.9	4.7	10.0	3.9
			Total	60.9	65.7	68.0	42.0
	Product Shipment amount (tons)	EBARA*2	0.7	0.2	0	0	
		Domestic Group*3	0	0	0	0	
	Total	0.7	0.2	0	0		
Environmental Management System	Environmental Law Violations (Number)	EBARA*2	0	0	0	0	
	Environmental Fines (Yen)	EBARA*2	0	0	0	0	
	ISO 14001 Site Certifications (Number) *9	EBARA Group	19	19	23	17	

*1 Nine-months of data (April to December 2017) are represented in this fiscal year, due to a change in the settlement date used by EBARA. Prior fiscal years represent data collected from April to March. Overseas Group is data aggregated from January to December.

*2 EBARA: Number 1 in the "List of ISO 14001-registered organizations" at <https://www.ebara.co.jp/en/about/csr/environment/management/index.html>

*3 Domestic Group: Numbers 2-8 in the "List of ISO 14001-registered organizations" at <https://www.ebara.co.jp/en/about/csr/environment/management/index.html> and Ebara Byron Jackson Co., Ltd., EBARA AGENCY CO., Ltd., Ebara Shohnan Sports Center Inc.

*4 Overseas Group: 28 Companies' with manufacturing facilities deemed to have significant environmental impact.

- *5 • Scope 1: Direct emissions of GHG generated from sources that are owned or controlled by the organization.
- Scope 2: Indirect emissions of GHG associated with the use of electricity, steam, heat, etc. purchased by the company.
- Scope 3: Emissions that are a consequence of the operations of an organization, but are not directly owned or controlled by the organization, i.e., emissions excluding those included in the calculation of Scope 1 & 2 and including emissions produced through product transportation, business travel, outsourced production processes and other emissions
- *6 Recycled Material Amount (tons)
- *7 PRTR Law: Pollutant Release and Transfer Register Law
- *8 Emissions: Amounts of air, water, and soil discharged to the environment.
- *9 In October 2017, we consolidated what were separate ISO 14001 certifications into one EBARA CORPORATION certification. As a result, the number of sites certified fell.