Fuji Electric

Environmental data

August 29, 2024

- The aggregation range is equivalent to 95.2% of the entire Group (percentage figures refer to our environmental management activities)
- Verification by a third party has been completed for the results of the fiscal year 2022.
  The verification for the results of the fiscal year 2023 is scheduled to be completed by the end of the fiscal year 2024.

Amounts of Energy Purchased

Transition of Amount of Energy Purchased

Category	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Grid electricity purchased in Japan (After redemption)	GWh	234.844	247.216	277.876	272.881	263.477
Solar power purchased in Japan (PPA)	GWh	0.000	0.000	0.000	0.000	2.698
Green electricity purchased in Japan	GWh	0.000	0.000	0.000	7.204	7.268
Redemption amount of renewable energy certificates in Japan	GWh	0.000	0.000	0.000	0.000	0.000
Grid electricity purchased overseas (After redemption)	GWh	194.063	195.829	137.458	120.610	144.132
Solar power purchased overseas (PPA)	GWh	1.309	1.730	3.304	3.285	6.095
Green electricity purchased overseas	GWh	0.000	0.000	0.000	3.874	2.500
Redemption amount of renewable energy certificates overseas	GWh	0.000	0.000	0.000	9.238	5.277
Total grid electricity purchased (After redemption)	GWh	428.907	443.044	415.334	393.491	407.609
Total solar power purchased (PPA)	GWh	1.309	1.730	3.304	3.285	8.792
Total green electricity purchased	GWh	0.000	0.000	0.000	11.078	9.768

Total redemption amount of renewable energy certificates	GWh	0.000	0.000	0.000	9.238	5.277
Total electricity purchased	GWh	442.268	430.217	444.775	417.092	431.446
Fuel purchased in Japan	TJ	1,933.460	1,845.059	1,822.379	1,949.111	1,979.349
	(GWh)	537.072	512.516	506.216	541.420	549.819
Fuel purchased overseas	TJ	121.560	128.561	111.763	78.900	72.223
	(GWh)	33.767	35.711	31.045	21.917	20.062
Total Fuel purchased	TJ	2,055.020	1,973.620	1,934.142	2,028.011	2,051.572
	(GWh)	570.839	548.228	537.262	563.336	569.881
Total	GWh	1,001.056	993.002	955.899	980.428	1,001.327

Notes

1. Amount of grid connected power purchased (after amortization): The amount of renewable energy certificates amortized is deducted from the amount of grid connected power purchased.
2. The scope of data collection includes all domestic and overseas bases.
3. No heat was purchased.
   Volumes of fuel purchased are aggregated based on lower heating value (J) and converted at a rate of 3,600 GJ, or 3.6 TJ, to 1 GWh.
4. “Total” includes the amount of purchased electricity generated from renewable sources but excludes the amount of electricity generated in-house (both non-renewable and renewable energy)..

Breakdown of Amount of Fuel Purchased

	Unit	In Japan		Overseas		Total	
		FY 2022	FY 2023	FY 2022	FY 2023	FY 2022	FY 2023
Gasoline	kL	92.911	87.134	49.399	48.710	142.310	135.843
Kerosene	kL	324.022	318.901	0.000	0.000	324.022	318.901
Diesel oil	kL	53.089	53.045	85.730	69.280	138.819	122.324
Fuel oil	kL	352.016	343.312	12.000	39.452	364.016	382.764
Liquified petroleum gas	t	321.149	295.179	71.327	61.793	392.476	356.973
Liquified natural gas	t	3,288.500	691.080	0.000	0.000	3,288.500	691.080
City gas (converted to calorific value*)	km^3	38,274.962	42,151.951	1,552.580	1,407.399	39,827.542	43,559.350

* As the calorific value per area of gas varies by supplier and pressure varies by supply pipe, amounts are converted at a rate of 1,000 m^3 at a pressure of 0℃ 1 to 45 GJ.

In-House Power Generation

(GWh)

Category		FY2019	FY2020	FY2021	FY2022	FY2023
Nonrenewable energy	Electricity generated in Japan	140.512	133.232	125.387	138.601	153.887
	Electricity generated overseas	0.289	0.113	0.079	0.064	0.113
	Total electricity generated	140.802	133.345	125.466	138.665	154.000
Renewable energy	Electricity generated in Japan	0.539	0.592	0.621	0.619	0.483
	Electricity generated overseas	2.113	1.575	1.609	1.739	2.146
	Total electricity generated	2.652	2.167	2.230	2.358	2.629

Greenhouse Gas Emissions

Transition of Greenhouse Gas Emissions

(kt-CO_2e)

Category	FY2019	FY2020	FY2021	FY2022	FY2023
CO_2 in Japan	207.2	203.7	213.7	216.8	218.4
Non-CO_2 greenhouse gases in Japan	59.7	53.6	54.1	35.1	25.0
Total greenhouse gas emissions in Japan	266.9	257.2	267.8	251.9	243.4
CO_2 in overseas	128.8	131.7	93.2	80.1	91.6
Non-CO_2 greenhouse gases overseas	55.8	48.0	3.0	2.2	3.2
Total greenhouse gas emissions overseas	184.6	179.7	96.2	82.3	94.8
Total CO_2 emissions	336.0	335.4	306.9	296.9	310.1
Total emissions of non-CO_2 greenhouse gases	115.5	101.6	57.1	37.4	28.2
Total greenhouse gas emissions	451.5	437.0	364.0	334.2	338.2
(per unit of net sales [t-CO_2e/¥100 million])	50.13	49.89	39.99	33.11	30.66

Breakdown of Scope 1 and Scope 2 Emissions

(kt-CO_2e)

Category	FY2019	FY2020	FY2021	FY2022	FY2023
Scope 1 (direct) emissions in Japan	158.1	147.5	145.8	133.0	127.2
Scope 2 (indirect) emissions in Japan	108.7	109.8	122.0	119.0	116.2
Scope 1 (direct) emissions overseas	62.2	54.7	8.7	6.3	7.0
Scope 2 (indirect) emissions overseas	122.4	125.0	87.5	76.0	87.8
Total Scope 1 emissions	220.3	202.2	154.5	139.3	134.3
Total Scope 2 emissions	231.1	234.8	209.5	194.9	204.0
Total emissions (Same as total greenhouse gas emissions above)	451.5	437.0	364.0	334.2	338.2

Notes

1. The scope of data collection includes all domestic and overseas bases.
2. Power coefficients are used to calculate the indirect CO_2 emissions from power plants for each kWh of electricity purchased.
   Japan source – FY2023: Emission coefficients by electric utility (Announced by the Ministry of the Environment and the Ministry of Economy, Trade and Industry)
   FY2022: Japan's average power coefficient by the Electric Utility Low-Carbon Society Council (Fiscal Year 2022: 0.436 kg-CO2e/kWh)
   Overseas source - Average power coefficients for the respective countries described in IEA-Emission Factors (2022 edition) : Coefficients for [fiscal] 2021 are used for fiscal 2023.

Breakdown of Scope 1 Emissions

(kt-CO_2e)

	Gas type	FY2019	FY2020	FY2021	FY2022	FY2023	Major Applications
emissions in Japan	CO_2	98.5	93.9	91.7	97.9	102.3	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	3.5	1.4	1.5	2.3	0.8	Coolants, heat insulating materials (polyurethane foam), semiconductor etching materials※
	PFCs	33.7	31.4	33.4	22.7	13.2	Semiconductor etching materials※
	SF_6	22.1	20.1	18.6	9.8	10.6	Semiconductor etching materials※, isolating gas
	NF_3	0.4	0.7	0.6	0.5	0.4	Semiconductor etching materials※
	total	158.1	147.5	145.8	133	127.2	
emissions overseas	CO_2	6.3	6.7	5.7	4.1	3.8	Boilers, automobile operation on Company premises, drying furnaces, non-emergency generators
	HFCs	42.5	46.6	1.4	0.1	0.4	Semiconductor etching materials※, isolating gas
	PFCs	0.9	1.0	1.2	1.3	2.0	Semiconductor etching materials※
	SF_6	12.4	0.5	0.4	0.8	0.7	Semiconductor etching materials※, isolating gas
	NF_3	0.0	0.0	0.0	0.0	0.1	Semiconductor etching materials※
	total	62.2	54.7	8.7	6.3	7.0	
Total Scope 1 emissions	CO_2	104.8	100.6	97.4	101.9	106.1	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	46.0	47.9	2.9	2.3	1.2	Semiconductor etching materials※, isolating gas
	PFCs	34.6	32.4	34.6	24	15.1	Semiconductor etching materials※
	SF_6	34.5	20.5	19.0	10.6	11.3	Semiconductor etching materials※, isolating gas
	NF_3	0.4	0.7	0.6	0.5	0.6	Semiconductor etching materials※
	total	220.3	202.2	154.5	139.3	134.3	

※'semiconductor etching materials' include use in semiconductor etching processes as well as in chamber cleaning processes in semiconductor manufacturing equipment.

Notes

1. The scope of data collection includes all domestic and overseas bases.
2. Greenhouse effect coefficient (GWP): Used AR5, the 100-year coefficient in the 5th IPPCC periodic report since fiscal 2021 in accordance with the COP24 international agreement. Used AR4 for fiscal 2013 to 2020.
3. The calculation of emissions other than CO_2 uses the IPCC inventory & (default) emission factors (IPCC1996 Tier2c factors) in accordance with the calculation guidelines of the Act on Promotion of Global Warming Countermeasures.
   In addition, emissions due to SF_6 use (proprietary inventory) in high-voltage manufacturing processes have

also been added.
The default values (90%, 95% for NF_3 only) are used for the exclusion rate of exhaust gas elimination systems for the etching process of semiconductors.
However, in each inventory for product HFC refrigerant filling processes and SF_6 insulating gas filling processes, actual measured values are used instead of default emission coefficients.

4. Since fiscal 2017, we have been undergoing third-party verification within the year following the year under review with respect to calculation methods, data sources, calculation processes, and companywide totals.

Breakdown of Scope 1 and 2 Emissions by Business segment in Fiscal 2023

(kt-CO_2e)

	Purchased electricity	Fuel	Gas	Total
Energy	33.636	4.481	4.182	42.299
Industry	21.079	3.061	0.212	24.352
Semiconductors	136.726	94.740	23.337	254.803
Food and Beverage Distribution	12.523	3.819	0.442	16.784
Total	203.964	106.101	28.173	338.238

Breakdown of Scope 1 and 2 Emissions by Country in Fiscal 2023

(kt-CO_2e)

Country	Scope 1	Scope 2	Total
Japan	127.228	116.185	243.413
Malaysia	2.966	48.767	51.733
China	3.359	26.084	29.443
Philippines	0.092	6.991	7.083
Thailand	0.586	3.767	4.353
India	0.043	1.899	1.942
Singapore	0.000	0.208	0.208
France	0.000	0.063	0.063
Total	134.274	203.965	338.238

Scope3 Emissions (FY2023 results and Scope and Method Calculations)

(kt-CO_2e)

		Category	Figures	Rate	Scope and Method of Calculations
Upstream	1	**Products and services purchased**	2,410	4.4%	Scope of Calculation: Purchased materials, components, and outsourced services. ・ Materials: Iron, copper, plastic, etc. ・ Components: Electronic parts, mechanical parts, etc. ・ Outsourced services: Processing and assembly, construction, and utilities, etc.
	2	**Capital goods**	196	0.4%	Scope of Calculation: All company capital investments Calculation method: Capital investment amount × Emission factor for the electric and electronic sector
	3	**Fuel and energy purchases (outside Scope 1/2)**	51.8	0.1%	Scope of Calculation: All company production bases. Calculation method: Fuel and power procurement emission factors
	4	**Transport and delivery (upstream)**	16.6	0.0%	Domestic: Emission from transportation related to our own operations Overseas: Estimated from domestic transportation volume (based on sales ratio)
	5	**Waste discharged from business operations**	7.12	0.0%	Scope of Calculation: All company production bases. Calculation method: Emissions related to waste processing at all production bases
	6	**Business travel**	3.56	0.0%	Scope of Calculation: Entire company (including office sector) Calculation method: Emissions from business trips of all employees
	7	**Commuting**	13.9	0.0%	Domestic: Emission from the commuting of full-time employees at all sites Overseas: Estimated based on employee ratio
	8	**Use of lease assets (upstream)**	3.97	0.0%	Scope of Calculation: All company office sectors. Domestic: Emission from offices leased as tenants Overseas: Estimated emissions from office sectors based on employee ratios.
		Subtotal	2,703	4.9%	
Downstream	9	**Transport/deli very (downstream)**	–		Excluded from calculations because of minimal movement from product delivery (category 4) destinations
	10	**Processing of sold products**	–		Excluded from calculations owing to no sales of intermediary products requiring downstream processing
	11	**Use of products sold**	55,370.6	100.0%	Scope of Calculation: Emissions for seven product groups, which account for approximately 80% of emissions during the use phase of all our products. ・ Final product emissions: Annual power consumption × Product lifespan × Power coefficient ・ Intermediate product emissions: Annual loss of power × Product lifespan × Power coefficient
	12	**Waste processing of products sold**	–		Excluded from calculations because most of products are made from metal and emissions during recycling are expected to be very minimal
	13	**Use of lease assets (downstream)**	–		No applicable emissions
	14	**Franchise**	–		No applicable emissions
	15	**Investment**	–		No applicable emissions
		subtotal	55,371	95.3%	
		Total	58,074	100.0%	

Transition of Scope3 Emissions

Category			FY2019	FY2020	FY2021	FY2022	FY2023
Up stream	1	Products and services purchased	1,978	1,795	1,924	2,300	2,410
	2	Capital goods	138	103	170	241	196
	3	Fuel and energy purchases (outside Scope 1/2)	52.9	52.9	50.6	50.9	51.8
	4	Transport and delivery (upstream)	15.9	13.6	15.5	16.2	16.6
	5	Waste discharged from business operations	6.49	5.93	7.16	6.46	7.12
	6	Business travel	3.65	3.60	3.49	3.54	3.56
	7	Commuting	13.8	13.7	13.4	13.7	13.9
	8	Use of lease assets (upstream)	5.83	5.67	4.99	4.98	3.97
	Subtotal		2,215	1,993	2,190	2,637	2,703
Down stream	9	Transport/deli very (downstream)	×	×	×	×	–
	10	Processing of sold products	×	×	×	×	–
	11	Use of products sold	122,066	54,453	177,383	173,930	55,370.6
	12	Waste processing of products sold	×	×	×	×	–
	13	Use of lease assets (downstream)	0	0	0	0	–
	14	Franchise	0	0	0	0	–
	15	Investment	0	0	0	0	–
subtotal			122,066	54,453	177,383	173,930	55,371
Total			124,281	56,447	179,572	176,567	58,074

Greenhouse Gas Emissions in Fuji Electric's Overall Supply Chain

(kt-CO_2e)

	FY2019	FY2020	FY2021	FY2022	FY2023	%
Scope1	220	202	155	139	134	0.2%
Scope2	231	235	210	195	204	0.3%
Scope3	124,281	56,447	179,572	176,567	58,074	99.4%
Total	124,732	56,884	179,936	176,902	58,412	100.0%

Emissions Transactions

Emissions Transaction System

(t-CO_2e)

Location (Period)	Emissions credit acquisition	Emissions credit purchase	Emissions credit redemption	Outstanding credits
Tokyo (Tokyo Factory) FY2022 (FY2015–2020)	0 (4,231)	0 (0)	336 (723)	3,172 (3,508)
Saitama prefecture (Fukiage Factory) FY2023 (FY2011–2020)	3,341 (41,220)	0 (0)	0 (0)	44,561 (41,220)
Shenzhen CY2023 (CY2013–2021)	1,384 (14,144)	0 (0)	0 (9,615)	5,917 (4,533)

Note: The above figures have been independently verified.

Emissions Transaction System

Location	Third reduction period	Reduction target (Result from second reduction period)
Tokyo (Tokyo Factory)	FY2020–2024	25% reduction in emissions from base year (15% reduction)
Saitama prefecture (Fukiage Factory)	FY2020–2024	20% reduction in emissions from base year (13% reduction)
Shenzhen	FY2021–2025	Annual reduction in emissions of 1.71% (6.39%/year reduction)

Renewable Energy Use

Transition of Renewable Energy Use

(MWh)

Category	FY2019	FY2020	FY2021	FY2022	FY2023
Renewable energy certificates purchased				9,238	5,277
Solar power generated in Japan	539	592	621	619	483
Solar power generated overseas	2,113	1,575	1,609	1,739	2,146
Renewable power ※1 purchased in Japan				7,204	9,965
Renewable power ※1 purchased overseas	1,309	1,730	3,304	7,166	8,595
Total	3,962	3,897	5,533	25,967	26,466
Ratio of renewable energy consumption/power consumption ※2	0.9%	0.9%	1.3%	6.2%	6.1%
Ratio of renewable energy consumption/energy consumption ※3	0.6%	0.6%	0.9%	4.1%	3.9%

Notes:

Since fiscal 2022, we have been purchasing renewable energy and amortizing electricity certificates in Japan and abroad.

※1 Renewable power: On-site photovoltaic power generation (PPA), off-site renewable energy power generation, and green electricity

※2 Power consumption: Total amount of all power purchased + amount of photovoltaic (self-generated) power.

※3 Energy consumption: Total amount of all power purchased + amount of photovoltaic (self-generated) power + amount of fuel consumed.

Power Supply Capacity from Renewable Energy Projects (Feed-In Tariff Scheme Electricity Sales)

(MWh)

Category	FY2019	FY2020	FY2021	FY2022	FY2023
Wind power	2,628	2,628	2,628	2,628	
Solar power	4,205	4,205	4,205	4,205	
Total	6,833	6,833	6,833	6,833	0

Total Waste / Waste Sent to Landfills

(t)

Region	Total / Landfill	Category	FY2019	FY2020	FY2021	FY2022	FY2023
Japan	Total waste	Sludge	1,667	1,778	2,188	2,453	2,504
		Waste oil	1,309	1,105	1,477	1,384	1,585
		Acid / alkali waste	1,523	1,305	1,183	1,486	2,121
		Waste plastic	1,951	1,699	1,812	1,868	1,727
		Paper / wood scraps	4,157	3,561	3,699	3,610	3,557
		Metal scraps	12,097	9,996	10,836	12,024	11,772
		Others	275	284	334	247	232
		Total	22,979	19,728	21,529	23,073	23,496
	Sent to landfills		115	122	24	29	13
		Ratio of waste sent to landfills	0.5%	0.6%	0.1%	0.1%	0.1%
Overseas	Total waste	Sludge	1,976	2,051	1,360	1,226	2,587
		Waste oil	250	323	442	316	343
		Acid / alkali waste	2,689	1,394	102	196	193
		Waste plastic	272	335	747	232	254
		Paper / wood scraps	255	324	284	449	695
		Metal scraps	3,716	3,235	5,510	4,458	4,472
		Others	250	192	112	198	157
		Total	9,408	7,856	8,558	7,077	8,701
	Sent to landfills		229	367	654	122	50
		Ratio of waste sent to landfills	2.4%	4.7%	7.6%	1.7%	0.6%
Total	Total waste	Sludge	3,643	3,829	3,548	3,679	5,092
		Waste oil	1,559	1,428	1,919	1,701	1,927
		Acid / alkali waste	4,212	2,699	1,285	1,683	2,313
		Waste plastic	2,224	2,034	2,559	2,101	1,981
		Paper / wood scraps	4,412	3,885	3,983	4,059	4,252
		Metal scraps	15,813	13,232	16,346	16,482	16,244
		Others	525	476	447	445	388
		Total	32,387	27,584	30,087	30,150	32,197
	Sent to landfills		345	489	678	151	63
		Ratio of waste sent to landfills	1.1%	1.8%	2.3%	0.5%	0.2%

Notes:

1. Total waste is the amount of unnecessary articles created during production activities (industrial waste, general waste, and valuable waste).
2. Ratio of waste sent to landfills is calculated as follows: Waste sent to landfills ÷ Total waste
3. In fiscal 2021, landfill waste increased due to difficulties in recycling fluorine sludge into cement overseas.
4. The scope of data collection includes all domestic and overseas bases.

Hazardous waste / non-hazardous waste

(t)

Type	Indicator	FY2019	FY2020	FY2021	FY2022	FY2023
Hazardous waste	Total waste	9,415	7,957	6,754	7,084	9,353
	Amount of waste recycled	8,707	6,774	5,340	5,887	8,017
	Recycling rate	92%	85%	79%	83%	86%
	Sent to landfills	83	288	564	33	29
	Ratio of waste sent to landfills	0.9%	3.6%	8.3%	0.5%	0.3%
Non-hazardous waste	Total waste	22,972	19,627	23,332	23,066	22,844
	Amount of waste recycled	21,993	18,988	22,862	22,372	22,513
	Recycling rate	96%	97%	98%	97%	99%
	Sent to landfills	262	201	114	118	35
	Ratio of waste sent to landfills	1.1%	1.0%	0.5%	0.5%	0.2%
Total	Total waste	32,387	27,584	30,087	30,150	32,197
	Amount of waste recycled	30,700	25,762	28,202	28,259	30,530
	Recycling rate	95%	93%	94%	94%	95%
	Sent to landfills	345	489	678	151	63
	Ratio of waste sent to landfills	1.1%	1.8%	2.3%	0.5%	0.2%

Notice : Hazardous waste: Hazardous waste: Under Japan’s Waste Management and Public Cleansing Act, businesses are responsible for all of the industrial waste they generate (including the issuing of manifests and final disposal). This law does not distinguish between hazardous waste and non-hazardous waste. We consider hazardous waste to be harmful waste materials and we therefore retallied our figures according to the following types of waste: waste oil, waste acid and waste alkali, organic and inorganic sludge, and used activated carbon.

Water Resources

Water Intake

(km^3)

Category		FY2019	FY2020	FY2021	FY2022	FY2023
Japan	Potable water purchased	925	1,100	990	984	1,072
	Industrial water purchased	2,749	2,766	2,589	2,605	2,626
	Total water purchased	3,674	3,866	3,579	3,589	3,698
	Groundwater intake	3,962	3,894	3,900	4,055	4,060
	Total water intake in Japan	7,636	7,760	7,479	7,645	7,758
Overseas	Industrial water purchased	5,762	5,575	2,272	1,740	2,095
	Groundwater intake	0	1	0	0	1
	Industrial water purchased	5,762	5,576	2,272	1,740	2,096
Total	Total water intake	13,398	13,336	9,751	9,386	9,854

Notes:

1. “Potable water” refers to drinkable tap water. “Industrial water” refers to water for industrial purposes that is not drinkable.
2. Total water intake in Japan is the sum of potable water purchased, industrial water purchased, and groundwater intake.
3. Volume of groundwater does not include groundwater used for soil cleanup, for agricultural purposes, or for melting snow.
4. The scope of data collection includes all domestic and overseas bases.

Water Recycled

(km^3)

Category		FY2019	FY2020	FY2021	FY2022	FY2023
Japan	Amount of water recycled	1,940	2,087	2,303	2,347	2,493
	Recycling rate	20.3%	21.2%	23.5%	23.5%	24.3%
Overseas	Amount of water recycled	725	917	258	106	121
	Recycling rate	11.2%	14.1%	10.2%	5.7%	5.7%
Total	Amount of water recycled	2,665	3,004	2,561	2,453	2,613
	Recycling rate	12.2%	16.6%	18.4%	20.8%	21.0%

Notes : Recycling rate is calculated as follows: Amount of water recycled ÷ Amount used (Intake amount + Amount recycled)

Wastewater

(km^3)

Category		FY2019	FY2020	FY2021	FY2022	FY2023
Japan	**Volume of wastewater to the sewer**	1,170	1,166	1,278	1,483	1,415
	Volume of wastewater to the river	6,466	6,593	6,201	6,162	6,343
	Subtotal	7,636	7,760	7,479	7,645	7,758
Overseas	**Volume of wastewater to the sewer**	520	510	499	486	438
	Volume of wastewater to the river	5,242	5,066	1,772	1,254	1,658
	Subtotal	5,762	5,576	2,272	1,740	2,096
Total	**Volume of wastewater to the sewer**	1,690	1,676	1,778	1,969	1,853
	Volume of wastewater to the river	11,708	11,660	7,973	7,416	8,000
	Total	13,398	13,336	9,751	9,385	9,854

Notes:

Sewerage includes the drainage sent to general sewage treatment facilities in industrial parks.
Rivers and waterways include direct discharge to sea areas, drainage that has seeped underground, and evaporation at factories. However, it does not include the amount of drainage from rainwater at factories.

Volume of PRTR Law Regulated Substances Handled / Emitted

(t)

		FY2019	FY2020	FY2021	FY2022	FY2023
Japan	Handled	782.1	723.6	683.4	646.9	662.8
	Emitted	143.6	169.7	189.7	210.0	149.8
Over-seas	Handled	1,516.5	939.4	525.5	437.5	463.6
	Emitted	755.3	478.6	305.5	304.5	250.4
Total	Handled	2,298.6	1,663.0	1,208.9	1,084.4	1,126.4
	Emitted	898.9	648.3	495.2	514.5	400.2

Volume of VOCs Handled / Emitted

(t)

		FY2019	FY2020	FY2021	FY2022	FY2023
Japan	Handled	565.4	597.5	699.1	787.9	712.7
	Emitted	257	260.8	269.1	297.7	232.8
Over-seas	Handled	922.1	650.1	494.5	491.4	385.5
	Emitted	826	557.8	348.3	327.5	246.9
Total	Handled	1,487.5	1,247.6	1,193.6	1,279.3	1,098.2
	Emitted	1,083.0	818.6	617.4	625.2	479.7