

Fuji Electric Co., Ltd. Sustainability Environmental Data

August 31, 2026

Scope of Calculation: Domestic production sites in Japan and consolidated overseas manufacturing subsidiaries.

- Coverage: 95.8% of total consolidated sales and over 99% of total company greenhouse gas (GHG) emissions.
- Third-Party Verification: Verified up to FY2024 data (refer to the Third-Party Verification Report). Verification for FY2025 data is scheduled for completion by the end of FY2026.

Amounts of Energy Purchased

Transition of Amount of Energy Purchased

	Category	Unit	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
In Japan	Grid electricity purchased (After redemption)	GWh	234.8	272.8	263.5	256.2	242.8
	Solar power purchased (PPA)	GWh	0.0	0.0	2.7	3.6	3.8
	Green electricity purchased	GWh	0.0	7.2	7.3	13.0	17.1
	Redemption amount of renewable energy certificates	GWh	0.0	0.0	0.0	0.0	17.8
Overseas	Grid electricity purchased (After redemption)	GWh	194.1	120.6	144.1	154.3	83.6
	Solar power purchased (PPA)	GWh	1.3	3.3	6.1	6.1	7.0
	Green electricity purchased	GWh	0.0	3.9	2.5	7.1	4.6
	Redemption amount of renewable energy certificates	GWh	0.0	9.2	5.3	5.6	65.4
Subtotal	Grid electricity purchased (After redemption)	GWh	428.9	393.5	407.6	410.5	326.4
	Solar power purchased (PPA)	GWh	1.3	3.3	8.8	9.7	10.8
	Green electricity purchased	GWh	0.0	11.1	9.8	20.1	21.7
	Redemption amount of renewable energy certificates	GWh	0.0	9.2	5.3	5.6	83.2
Total electricity purchased(i)		GWh	430.2	417.1	431.4	445.9	442.1
Fuel purchased in Japan	TJ		1,933.5	1,949.1	1,979.3	2,060.8	1,916.7
	(GWh)		537.1	541.4	549.8	572.4	532.4
Fuel purchased overseas	TJ		121.6	78.9	72.2	76.9	67.8
	(GWh)		33.8	21.9	20.1	21.4	18.8
Total fuel purchased(ii)	TJ		2,055.0	2,028.0	2,051.6	2,137.7	1,984.5
	(GWh)		570.8	563.3	569.9	593.8	551.2
Total energy purchased (i + ii)		GWh	1,001.1	980.4	1,001.3	1,039.7	993.3
Energy intensity		GWh/¥tn	1,111.5	971.3	907.6	925.5	809.2

Notes

1. **Amount of grid electricity purchased (after retirement):** The amount of retired renewable energy certificates is deducted from the amount of grid electricity purchased..
2. **Scope of calculation:** All domestic and overseas production sites.
3. **The Company does not purchase heat.**

(Note) Fuel purchase volume is aggregated based on high heating value (HHV) and converted at the rate of 1 GWh = 3,600 GJ = 3.6 TJ.

4. **Total energy purchased** includes purchased electricity generated from renewable sources, but excludes in-house power generation (both non-renewable and renewable).

5. **Energy intensity:** Amount of energy purchased per total consolidated net sales.

* Due to rounding, the sum of individual figures may not match the total.

Breakdown of Amount of Fuel Purchased

	Unit	In Japan		Overseas		Total	
		FY 2024	FY 2025	FY 2024	FY 2025	FY 2024	FY 2025
Gasoline	kL	92.5	91.7	45.2	39.4	137.8	131.2
Kerosene	kL	285.0	281.6	0.0	0.0	285.0	281.6
Diesel oil	kL	55.1	34.9	83.0	70.5	138.1	105.4
Fuel oil	kL	359.5	337.6	45.0	28.9	404.6	366.5
Liquified petroleum gas	t	278.2	251.0	65.4	59.0	343.6	310.0
Liquified natural gas	t	330.6	183.1	0.0	0.0	330.6	183.1
City gas (converted to calorific value*)	km ³	44,425.9	41,472.8	1,494.1	1,327.3	45,920.0	42,800.1

* 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 m³ at 0°C and 1 atm to 45 GJ.

In-House Power Generation

(GWh)

Category		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Nonrenewable energy	In Japan	140.5	138.6	153.9	163.7	150.4
	Overseas	0.3	0.1	0.1	0.1	0.1
	Total	140.8	138.7	154.0	163.8	150.5
Renewable energy	In Japan	0.5	0.6	0.5	1.6	4.3
	Overseas	2.1	1.7	2.1	4.1	3.9
	Total	2.7	2.4	2.6	5.7	8.2

Greenhouse Gas Emissions

Transition of Greenhouse Gas Emissions

(kt-CO₂e)

Category		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	CO ₂	207.2	216.8	218.4	212.5	201.0
	Non-CO ₂ greenhouse gases	59.7	35.1	25.0	16.4	13.6
	Subtotal	266.9	252	243.4	228.9	214.6
Overseas	CO ₂	128.8	80.1	91.6	98.5	53.5
	Non-CO ₂ greenhouse gases	55.8	2.2	3.2	3.1	2.6
	Subtotal	184.6	82.3	94.8	101.6	56.1
Total	CO ₂	336.0	296.9	310.1	311.0	254.5
	Non-CO ₂ greenhouse gases	115.5	37.4	28.2	19.5	16.2
	Total	451.5	334.2	338.2	330.5	270.7
Per unit of net sales [t-CO ₂ e/¥100 Million]		50.1	33.1	30.7	29.4	22.1

Breakdown of Scope 1 and Scope 2 Emissions

(kt-CO₂e)

		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Scope 1 (direct)	158.1	133.0	127.2	119.9	109.8
	Scope 2 (indirect)	108.7	119.0	116.2	109.0	104.7
	Subtotal	266.8	252.0	243.4	228.9	214.7
Overseas	Scope 1 (direct)	62.2	6.3	7.0	7.1	6.1
	Scope 2 (indirect)	122.4	76.0	87.8	94.5	50.0
	Subtotal	184.6	82.3	94.8	101.6	56.1
Total	Scope 1 (direct)	220.3	139.3	134.3	127.0	116.0
	Scope 2 (indirect)	231.1	194.9	204.0	203.5	154.7
	Total	451.5	334.2	338.2	330.5	270.7

Notes

- Scope of calculation: All domestic and overseas production sites (covering over 99% of total company emissions)
 - Scope 2 emissions in Japan have been calculated using the market-based method since fiscal 2023.
 - Electricity emission factor (a value representing the amount of CO₂ emitted by an electricity utility provider per 1 kWh of electricity supplied)
 - In Japan:
Fiscal 2023–2025: We use the adjusted emission factors (residual mix) of electricity suppliers from the Emission Factors by Electricity Utility Providers published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry of Japan.
Fiscal 2019–2022: Calculated using the Keidanren's Commitment to a Low Carbon Society (Fiscal 2022 factor: 0.436 kg-CO₂e/kWh).
 - Overseas: We use the latest country-specific average electricity emission factors from IEA Emission Factors 2025 (for fiscal 2025, using the 2023 values).
- * Due to rounding, the sum of individual figures may not match the total.

Breakdown of Scope 1 Emissions

(kt-CO₂e)

	type	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025	Scope and Method of Calculation
In Japan	CO ₂	98.5	97.9	102.3	103.5	96.3	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	3.5	2.3	0.8	0.4	0.2	Coolants, heat insulating materials (polyurethane foam), semiconductor etching materials※
	PFCs	33.7	22.7	13.2	8.2	6.8	Semiconductor etching materials※
	SF ₆	22.1	9.8	10.6	7.6	6.3	Semiconductor etching materials※, isolating gas
	NF ₃	0.4	0.5	0.4	0.3	0.3	Semiconductor etching materials※
	Subtotal	158.1	133.0	127.2	119.9	109.8	
Overseas	CO ₂	6.3	4.1	3.8	4.0	3.5	Boilers, automobile operation on Company premises, drying furnaces, non-emergency generators
	HFCs	42.5	0.1	0.4	0.2	0.1	Semiconductor etching materials※, isolating gas
	PFCs	0.9	1.3	2.0	2.3	1.4	Semiconductor etching materials※
	SF ₆	12.4	0.8	0.7	0.6	0.9	Semiconductor etching materials※, isolating gas
	NF ₃	0.0	0.0	0.1	0.1	0.1	Semiconductor etching materials※
	Subtotal	62.2	6.3	7.0	7.1	6.1	
Total emissions	CO ₂	104.8	101.9	106.1	107.5	99.8	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	46.0	2.3	1.2	0.5	0.3	Semiconductor etching materials※, isolating gas
	PFCs	34.6	24.0	15.1	10.4	8.3	Semiconductor etching materials※
	SF ₆	34.5	10.6	11.3	8.2	7.2	Semiconductor etching materials※, isolating gas
	NF ₃	0.4	0.5	0.6	0.4	0.4	Semiconductor etching materials※
	Total	220.3	139.3	134.3	127.0	116.0	

* " Semiconductor etching materials " are used not only in semiconductor etching processes but also in chamber cleaning processes inside semiconductor manufacturing equipment.

Notes

1. The scope of data collection includes all domestic and overseas bases (covering over 99% of total company emissions).
2. Global Warming Potential (GWP):
 - Fiscal 2022–2025: Used AR5, the 100-year coefficient in the IPCC Fifth Assessment Report in accordance with the COP24 international agreement.
 - Fiscal 2019–2021: Used AR4.

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

GHG Emissions by Business segment in Fiscal 2025

				(kt-CO ₂ e)
	Purchased electricity	Fuel (Scope1)	Gas (Scope1)	Total
Energy	34.7	3.9	3.2	41.8
Industry	19.9	2.8	0.6	23.4
Semiconductors	90.0	89.3	12.3	191.6
Food and Beverage Distribution	10.1	3.7	0.0	13.9
Total	154.7	99.8	16.2	270.7

GHG Emissions by Country in Fiscal 2025

				(kt-CO ₂ e)
Country	Scope 1	Scope 2	Total	
Japan	109.8	104.7	214.6	
Malaysia	2.0	15.6	17.6	
China	3.1	23.8	26.9	
Philippines	0.1	6.2	6.2	
Thailand	0.9	2.6	3.5	
India	0.0	1.7	1.7	
Singapore	0.0	0.0	0.0	
France	0.0	0.1	0.1	
Total	116.0	154.7	270.7	

Scope 2 emissions is calculated using the market-based method

Electricity emission factor

- In Japan: We use the adjusted emission factors (residual mix) of electricity suppliers from the Emission Factors by Electricity Utility Providers published by the Ministry of the Environment and the Ministry of Economy, Trade and Industry of Japan.
- Overseas: We use the latest country-specific average electricity emission factors from "IEA Emission Factors 2025" (for fiscal 2025, using the 2023 values).

* Due to rounding, the sum of individual figures may not match the total.

Scope3 Emissions (FY2025 results and Scope and Method Calculations)

(kt-CO₂e)

Category		Figures	Rate	Scope and Method of Calculations
Upstream	1 Products and services purchased	2,487.2	4.6%	Scope of calculation: Purchased materials, components, and outsourced services
	2 Capital goods	162.7	0.3%	Scope of calculation: Entire company's capital investments Calculation method: Capital investment amount × Emission intensity for the electrical and electronics sector
	3 Fuel and energy purchases (outside Scope 1/2)	49.8	0.1%	Scope of calculation: All company production sites Calculation method: Procurement emission intensity for fuel and electricity
	4 Transport and delivery (upstream)	15.4	0.0%	Domestic: Emissions from in-house transportation Overseas: Estimated from domestic transportation volume (based on sales ratio)
	5 Waste discharged from business operations	7.3	0.0%	Scope of calculation: All company production sites Calculation method: Emissions from waste treatment at all company production sites
	6 Business travel	3.5	0.0%	Scope of calculation: Entire company (including office division) Calculation method: Emissions from business travel of all employees
	7 Commuting	14.0	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)	3.5	0.0%	Scope of calculation: Entire company's office division Domestic: Emissions from tenant (leased) offices Overseas: Estimated emissions from office division based on employee ratio
Subtotal		2,743.4	5.0%	
Downstream	9 Transport/deli very (downstream)	—	—	Excluded from calculation because product transportation is conducted by the Company, resulting in negligible emissions for this category.
	10 Processing of sold products	—	—	Excluded from calculation due to no sales of intermediate products requiring downstream processing.
	11 Use of products sold	51,702.2	95.0%	Scope of calculation: Calculated for product groups* that account for approximately 77% of emissions during the use phase of all our products* Emissions from final products: Annual power consumption × Product lifespan × Electricity emission factor Emissions from intermediate products: Annual power loss × Product lifespan × Electricity emission factor
	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		51,702.2	95.0%	
Total		54,445.6	100.0%	

Prepared based on the "Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain Ver.2.7" by the Ministry of the Environment of Japan.

* Product groups subject to calculation in Category 11:

- Final products (products that customers use directly as supplied by our company):
Industrial electric furnaces, Store distribution equipment, Thermal power generation
- Intermediate products (our products/components that are incorporated into customers' products and then provided to end users):
Power semiconductors, Low-voltage inverters, Motors, Transformers, Turbines/generators

Transition of Scope3 Emissions

			(kt-CO ₂ e)				
Category			FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Up stream	1	Products and services purchased	1,977.9	2,300	2,410	2,339.2	2,487.2
	2	Capital goods	138.3	241	196	244.5	162.7
	3	Fuel and energy purchases (outside Scope 1/2)	52.9	50.9	51.8	53.0	49.8
	4	Transport and delivery (upstream)	15.9	16.2	16.6	15.8	15.4
	5	Waste discharged from business operations	6.5	6.5	7.1	6.5	7.3
	6	Business travel	3.7	3.5	3.6	3.5	3.5
	7	Commuting	13.8	13.7	13.9	14.0	14.0
	8	Use of lease assets (upstream)	5.8	5.0	4.0	3.6	3.5
Subtotal			2,214.9	2,637	2,703	2,680.3	2,743.4
Down stream	9	Transport/deli very (downstream)	—	—	—	—	—
	10	Processing of sold products	—	—	—	—	—
	11	Use of products sold	122,066.5	173,930.1	55,370.6	53,107.9	51,702.2
	12	Waste processing of products sold	—	—	—	—	—
	13	Use of lease assets (downstream)	—	—	—	—	—
	14	Franchise	—	—	—	—	—
	15	Investment	—	—	—	—	—
Subtotal			122,066.5	173,930.1	55,370.6	53,107.9	51,702.2
Total			124,281.3	176,567.4	58,073.7	55,788.2	54,445.6

Notes :Due to rounding, the sum of individual figures may not match the total.

Greenhouse Gas Emissions in Fuji Electric's Overall Supply Chain

							(kt-CO ₂ e)
	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025	% FY2025	
Scope1	220.3	139.3	134.3	127.0	116.0	0.2%	
Scope2	231.1	194.9	204.0	203.5	154.7	0.3%	
Scope3	124,281.3	176,567.4	58,073.7	55,788.2	54,445.6	99.5%	
Total	124,732.8	176,901.6	58,411.9	56,118.7	54,716.3	100.0%	

Notes : Scope 2 emissions have been calculated using the market-based method since fiscal 2023.

Due to rounding, the sum of individual figures may not match the total.

Emissions Transactions

Emissions Transaction System

(kt-CO₂e)

Location (Period)	Emissions credit acquisition	Emissions credit purchase	Emissions credit redemption	Outstanding credits
Tokyo (Tokyo Factory) FY2024 (FY2015–2023)	0.1 (0.0)	0.0 (0.0)	0 (0.6)	2.7 (2.6)
Saitama prefecture (Fukiage Factory) FY2024 (FY2011–2023)	3.3 (3.3)	0.0 (0.0)	0.0 (0.0)	47.8 (44.6)
Shenzhen in China CY2025 (CY2013–2024)	4.0 (1.6)	0.0 (0.0)	0.0 (0.0)	11.5 (7.5)

Note: The above figures have been independently verified.

CY: Calendar Year

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 in China	CY2021–2025	Annual reduction in emissions of 1.71% (6.39%/year reduction)

Note: CY: Calendar Year

Renewable Energy Use

Transition of Renewable Energy Use

(MWh)

Category		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Amount of retired renewable energy certificates		-	9,238	5,277	5,591	83,186
Solar (in-house) power generation	In Japan	539	619	483	1,605	4,277
	Overseas	2,113	1,739	2,146	4,092	3,941
Amount of renewable electricity purchased ^{*1}	In Japan	-	7,204	9,965	16,630	20,940
	Overseas	1,309	7,166	8,595	13,203	11,596
Total		3,962	25,966	26,466	41,121	123,940
Ratio of renewable energy consumption to electricity consumption ^{*2}		0.9%	6.2%	6.1%	9.1%	27.5%
Ratio of renewable energy consumption to energy consumption ^{*3}		0.6%	4.1%	3.9%	4.1%	12.4%

Notes:

Since fiscal 2022, we have been purchasing renewable electricity and retiring renewable energy certificates both in Japan and overseas

^{*1} **Renewable electricity:** On-site solar power generation (PPA), off-site renewable power generation, and green electricity

^{*2} **Electricity consumption:** Total power purchased + solar (in-house) power generation

^{*3} **Energy consumption:** Total power purchased + solar (in-house) power generation + fuel consumption

Total Waste / Waste Sent to Landfills

(t)

Region	Total / Landfill	Category	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Total waste	Sludge	1,667	2,453	2,504	2,371	2,426
		Waste oil	1,309	1,384	1,585	1,248	1,442
		Acid / alkali waste	1,523	1,486	2,121	1,738	1,993
		Waste plastic	1,951	1,868	1,727	1,616	1,730
		Paper / wood scraps	4,157	3,610	3,557	3,388	3,362
		Metal scraps	12,097	12,024	11,772	11,190	11,239
		Others	275	247	232	212	223
		Subtotal	22,979	23,073	23,496	21,763	22,414
	Sent to landfills		115	29	13	13	8
		Ratio of waste sent to landfills	0.5%	0.1%	0.1%	0.1%	0.0%
Overseas	Total waste	Sludge	1,976	1,226	2,587	2,198	2,095
		Waste oil	250	316	343	407	591
		Acid / alkali waste	2,689	196	193	309	338
		Waste plastic	272	232	254	396	348
		Paper / wood scraps	255	449	695	773	760
		Metal scraps	3,716	4,458	4,472	4,146	4,113
		Others	250	198	157	645	199
		Subtotal	9,408	7,077	8,701	8,873	8,445
	Sent to landfills		229	122	50	33	16
		Ratio of waste sent to landfills	2.4%	1.7%	0.6%	0.4%	0.2%
Total	Total waste	Sludge	3,643	3,679	5,092	4,569	4,521
		Waste oil	1,559	1,701	1,927	1,655	2,032
		Acid / alkali waste	4,212	1,683	2,313	2,046	2,331
		Waste plastic	2,224	2,101	1,981	2,013	2,078
		Paper / wood scraps	4,412	4,059	4,252	4,161	4,123
		Metal scraps	15,813	16,482	16,244	15,336	15,352
		Others	525	445	388	857	422
		Total	32,387	30,150	32,197	30,637	30,859
	Total sent to landfills		345	151	63	46	24
		Ratio of waste sent to landfills	1.1%	0.50%	0.20%	0.15%	0.08%

Notes:

Total waste: Waste generated from production activities (industrial waste + general waste + valuable waste for sale)

Final disposal rate: Sent to landfills / Total waste

Scope of calculation: All domestic and overseas production sites

Hazardous waste / non-hazardous waste

(t)

Type	Indicator	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Hazardous waste	Total waste	9,415	7,084	9,353	8,270	8,884
	Amount of waste recycled	8,707	5,887	8,017	7,054	7,510
	Recycling rate	92%	83%	86%	85%	85%
	Sent to landfills	83	33	29	8	9
	Ratio of waste sent to landfills	0.9%	0.5%	0.3%	0.1%	0.1%
Non-hazardous waste	Total waste	22,972	23,066	22,844	22,367	21,975
	Amount of waste recycled	21,993	22,372	22,513	21,609	21,146
	Recycling rate	96%	97%	99%	97%	96%
	Sent to landfills	262	118	35	37	15
	Ratio of waste sent to landfills	1.1%	0.5%	0.2%	0.2%	0.1%
Total	Total waste	32,387	30,150	32,197	30,637	30,859
	Amount of waste recycled	30,700	28,259	30,530	28,663	28,656
	Recycling rate	95%	94%	95%	94%	93%
	Sent to landfills	345	151	63	46	24
	Ratio of waste sent to landfills	1.1%	0.5%	0.2%	0.1%	0.08%

Notes: Hazardous waste: Under the Japanese Waste Management and Public Cleansing Act, businesses are responsible for all industrial waste they generate (including the issuing of manifests and final disposal). This law does not distinguish between hazardous and non-hazardous waste. The Company defines hazardous waste as harmful waste and has recalculated the figures based on the following waste categories: waste oil, waste acid and alkali, organic and inorganic sludge, and used activated carbon.

Water Resources

Water Intake

(ML)

Category		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Potable water purchased	925	984	1,072	1,096	1,019
	Industrial water purchased	2,749	2,605	2,626	2,467	2,370
	Subtotal water purchased	3,674	3,589	3,698	3,563	3,389
	Groundwater intake	3,962	4,056	4,060	4,137	4,366
	Subtotal water intake	7,636	7,645	7,758	7,700	7,755
Overseas	Industrial water purchased	5,762	1,740	2,095	2,439	2,208
	Groundwater intake	0	0	1	1	1
	Subtotal water intake	5,762	1,740	2,096	2,440	2,209
Total water intake		13,398	9,386	9,854	10,140	9,964

Notes:

1. Potable water: Drinkable tap water / Industrial water: Non-drinkable water for industrial use
2. Groundwater intake: Intake volume contributing to production. Excludes water pumped from soil remediation wells, water provided for agricultural use, and water for snow melting.
3. Water intake in Japan: Potable water purchased + industrial water purchased + groundwater intake
4. Scope of calculation: All domestic and overseas production sites

Water Recycled

(ML)

Category		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Amount of water recycled	1,940	2,347	2,493	2,524	2,547
	Recycling rate	20.3%	23.5%	24.3%	24.7%	24.7%
Overseas	Amount of water recycled	725	106	121	165	176
	Recycling rate	11.2%	5.7%	5.5%	6.3%	7.4%
Total	Amount of water recycled	2,665	2,453	2,613	2,689	2,723
	Recycling rate	16.6%	20.7%	21.0%	21.0%	21.5%

Notes: Recycling rate: Amount of water recycled / Amount of water used (= Water intake + Amount of water recycled)

Volume of Wastewater

(ML)

Category	breakdown	FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	To sewers	1,170	1,483	1,415	1,572	1,547
	To rivers and waterways	6,466	6,163	6,343	6,128	6,208
	Subtotal	7,636	7,645	7,758	7,700	7,755
Overseas	To sewers	520	486	438	451	431
	To rivers and waterways	5,242	1,254	1,658	1,989	1,778
	Subtotal	5,762	1,740	2,096	2,440	2,209
Total	To sewers	1,690	1,969	1,853	2,023	1,977
	To rivers and waterways	11,708	7,416	8,000	8,117	7,986
	Total	13,398	9,386	9,854	10,140	9,964

Notes:

Sewer systems include wastewater sent to centralized wastewater treatment facilities in industrial parks.

Rivers and waterways include direct discharge into oceans, underground seepage, and evaporation within factories.

However, this excludes rainwater drainage within factories.

Volume of PRTR Law Regulated Substances Handled / Emitted

PRTR-designated substances: Hazardous chemical substances subject to the Pollutant Release and Transfer Register (PRTR) system

(t)

		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Handled	782.1	646.9	662.8	755.0	729.0
	Emitted	143.6	210.0	154.5	159.3	152.3
Overseas	Handled	1,516.5	437.5	463.6	471.4	388.1
	Emitted	755.3	304.5	213.3	227.6	189.1
Total	Handled	2,298.6	1,084.4	1,126.4	1,226.4	1,117.1
	Emitted	898.9	514.5	367.7	386.9	341.4

Volume of VOCs Handled / Emitted

VOC: Abbreviation for Volatile Organic Compounds. A collective term for organic compounds that easily evaporate (e.g., toluene, xylene, ethyl acetate, benzene, formaldehyde, styrene, dichloromethane)

(t)

		FY2019 (Base Year)	FY2022	FY2023	FY2024	FY2025
Japan	Handled	565.4	787.9	712.7	645.9	657.3
	Emitted	257.0	297.7	232.8	215.7	216.2
Overseas	Handled	922.1	491.4	385.5	422.6	389.8
	Emitted	826.0	327.5	246.9	293.0	255.0
Total	Handled	1,487.5	1,279.3	1,098.2	1,068.5	1,047.2
	Emitted	1,083.0	625.2	479.7	508.7	471.2