Environmental data for Fiscal 2020

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The coverage of the all survey is 99.6% by employee ratio.

Bold: the figures are verified by Independent Organization

Energy Purchase Amounts

Note: Amounts are rounded and totals may therefore differ from the sum of all amounts.

Category		Unit	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Non-renewable energy	**Electricity purchased in Japan**	GWh	254.293	225.847	230.147	235.376	**242.174**	247.216
	Electricity purchased overseas	GWh	202.684	193.596	191.898	206.664	**194.063**	195.352
	Total electricity purchased	GWh	456.976	419.443	422.045	442.040	**436.237**	442.568
Renewable energy	**Electricity purchased overseas**	GWh	0.000	0.000	0.000	0.228	**1.309**	1.730
Total electricity purchased		GWh	456.976	419.443	422.045	442.268	**437.546**	444.298
Fuel purchased in Japan		TJ	1,942.090	2,053.106	2,000.718	2,005.359	**1,957.761**	1,845.059
		(GWh)	539.470	570.307	555.755	557.044	**543.823**	512.516
Fuel purchased overseas		TJ	90.546	147.350	157.705	148.428	**121.560**	128.561
		(GWh)	25.152	40.931	43.807	41.230	**33.767**	35.711
Total Fuel purchased		TJ	2,032.637	2,200.456	2,158.423	2,153.787	**2,079.321**	1,973.620
		(GWh)	564.621	611.238	599.562	598.274	**577.589**	548.228
Total		GWh	1,021.598	1,030.681	1,021.607	1,040.542	**1,015.136**	992.526

Notes:

1. The scope of data collection includes all domestic and overseas bases.
2. We have added figures of an new consolidated production subsidiary in India since FY 2020.
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 in Fiscal 2020

	Unit	Japan	Overseas	Total	Unit	Japan	Overseas	Total
Gasoline	kL	104.735	86.957	191.691	GWh	1.007	0.836	1.842366383
Kerosene	kL	251.483	0.000	251.483	GWh	2.564	0.000	2.563729472

	Unit	Japan	Overseas	Total	Unit	Japan	Overseas	Total
Diesel oil	kL	83.458	172.541	255.999	GWh	0.874	1.807	2.680883129
Fuel oil	kL	2,038.575	115.597	2,154.172	GWh	22.141	1.256	23.39670144
Liquified petroleum gas	t	317.469	64.260	381.729	GWh	4.480	0.907	5.386624722
Liquified natural gas	t	4,974.260	0.000	4,974.260	GWh	75.443	0.000	75.44294333
City gas (converted to calorific value*)	1,000 m^3	32,480.655	2,472.511	34,953.165	GWh	406.008	30.906	436.9145665
					total (GWh)	512.516	35.711	548.2278149

* 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 a pressure of 0ºC1 to 45 GJ.

In-House Power Generation

(GWh)

Category		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Non-renewable energy	**Electricity generated in Japan**	122.363	143.586	140.751	141.579	140.512	133.232
	Electricity generated overseas	0.000	0.095	0.402	0.050	0.289	0.113
	Total electricity generated	122.363	143.681	141.153	141.629	140.802	133.345
Renewable energy	**Electricity generated in Japan**	0.413	0.487	0.487	0.487	0.539	0.592
	Electricity generated overseas	0.526	0.526	0.638	0.672	2.113	1.575
	Total electricity generated	0.939	1.012	1.125	1.158	2.652	2.167

Greenhouse Gas Emissions

(1000t-CO_2e)

Category	FY2013 (Base year)	FY2016	FY2017	FY2018	FY2019	FY2020
CO_2 in Japan	244.6	225.4	221.2	219.3	**212.2**	203.7
Non-CO_2 greenhouse gases in Japan	93.3	72.4	69.1	74.6	**59.7**	53.6
Total greenhouse gas emissions in Japan	337.8	297.8	290.3	293.9	**271.9**	257.2
CO_2 in overseas	143.2	134.1	134.5	138.0	**128.8**	131.7
Non-CO_2 greenhouse gases overseas	54.9	35.2	59.2	88.9	**55.8**	48.0
Total greenhouse gas emissions overseas	198.1	169.3	193.7	226.9	**184.6**	179.7
Total CO_2 emissions	387.8	359.5	355.7	357.3	**340.9**	335.4
Total emissions of non-CO_2 greenhouse gases	148.2	107.6	128.3	163.5	**115.5**	101.6
Total greenhouse gas emissions	536.0	467.1	484.0	520.8	**456.5**	437.0
(per unit of net sales [t-CO_2e/¥100 million])	70.53	55.76	54.17	56.9	50.68	49.89

Greenhouse gas emissions reclassified based on Scope 1 (direct CO_2 from fuel use and non-CO_2 greenhouse gas emissions) and Scope 2 (indirect CO_2 emissions from electricity use)

(1000t-CO_2e)

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Scope 1 (direct) emissions in Japan	193.7	177.9	171.5	177.2	**159.7**	147.5
Scope 2 (indirect) emissions in Japan	144.2	119.9	118.8	116.7	**112.1**	109.8

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Scope 1 (direct) emissions overseas	59.8	42.8	67.5	96.6	**62.2**	54.7
Scope 2 (indirect) emissions overseas	138.4	126.4	126.2	130.3	**122.4**	125.0
Total Scope 1 emissions	253.4	220.7	239.0	273.8	**221.9**	202.2
Total Scope 2 emissions	282.5	246.3	245.0	247.0	**234.5**	234.8
Total emissions (Same as total greenhouse gas emissions above)	536.0	467.1	484.0	520.8	**456.5**	437.0

Notes:

1. The scope of data collection includes figures from factories, offices, etc. of Fuji Electric and all consolidated subsidiaries in Japan and from overseas consolidated production subsidiaries of the Company.
2. We have added figures of an new consolidated production subsidiary in India since FY 2020.
3. Power coefficients are used to calculate the indirect CO_2 emissions from power plants for each kWh of electricity purchased.
   For Japan, the average power coefficients (post credit redemption) for Japan used in Keirenden's Action Plan for Commitment to a Low-Carbon Society (0.444kg-CO_2e/kWh for fiscal 2019) are utilized.
4. For overseas, the average power coefficients for the respective countries described in IEA-Emission Factors (2020 edition) are utilized. Coefficients for [fiscal] 2018 are used for fiscal 2020.

Breakdown of Scope 1 Emissions

(1,000 t-CO_2e)

	Gas type	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020	Major Applications
Scope 1 emissions in Japan	CO_2	100.4	105.4	102.4	102.5	**100.1**	93.9	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	1.3	3.7	3.1	2.8	**3.5**	1.4	Heat insulating materials (polyurethane foam), semiconductor etching materials, coolants
	PFCs	64.7	42.3	43.7	45.5	**33.7**	31.4	Semiconductor etching materials, coolants
	SF6	27.1	26.1	21.7	25.8	**22.1**	20.1	Isolating gas, semiconductor etching materials
	NF3	0.3	0.4	0.6	0.6	**0.4**	0.7	Semiconductor etching materials
	total	193.7	177.9	171.5	177.2	**159.7**	147.5	
Scope 1 emissions overseas	CO_2	4.8	7.7	8.3	7.7	**6.3**	6.7	Boilers, automobile operation on Company premises, drying furnaces, non-emergency generators
	HFCs	34.3	27.7	50.0	58.6	**42.5**	46.6	Solvents, semiconductor etching materials, coolants
	PFCs	1.3	0.9	0.9	1.0	**0.9**	1.0	Semiconductor etching materials
	SF6	19.3	6.5	8.3	29.2	**12.4**	0.5	Isolating gas, semiconductor etching materials
	total	59.8	42.8	67.5	96.6	**62.2**	54.7	
Total Scope 1 emissions	CO_2	105.2	113.1	110.7	110.2	**106.4**	100.6	Cogeneration systems, boilers, drying furnaces, automobile operation on Company premises, heating
	HFCs	35.6	31.4	53.1	61.4	**46.0**	47.9	Solvents, heat insulating materials (polyurethane foam), semiconductor etching materials, coolants
	PFCs	66.0	43.1	44.6	46.5	**34.6**	32.4	Semiconductor etching materials, coolants
	SF6	46.4	32.6	30.1	55.0	**34.5**	20.5	Isolating gas, semiconductor etching materials
	NF3	0.3	0.4	0.6	0.6	**0.4**	0.7	Semiconductor etching materials

	Gas type	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020	Major Applications
	total	253.4	220.7	239.0	273.8	**221.9**	202.2	

Breakdown of Scope 1 and 2 Emissions by Country in Fiscal 2020

(1,000 t-CO_2e) (Power conefficien kg-CO_2e/kWh)

Country	Scope 1	Scope 2	Total	Power coefficient
Japan	147.475	109.764	257.239	0.4440
Malaysia	50.037	78.927	128.964	0.6592
China	3.469	31.806	35.275	0.6128
Philippines	0.124	9.353	9.477	0.6992
Thailand	0.728	3.728	4.456	0.4798
India	0.067	0.927	0.994	0.7470
France	0.292	0.069	0.361	0.0548
Singapore	0.000	0.211	0.211	0.3876

Scope3 Emissions

(t-CO_2e)

Category		Details	Scope3 Emissions(t-CO_2e)							Scope and Method of Calculations*1 <changes from last year>
			FY2013	FY2016	FY2017	FY2018	FY2019	FY2020	rate	
Upstream	**1**	**Products and services purchased**	156,245	155,372	166,338	247,954	235,863	1,793,999	32.0%	Σ (purchase amount for all products and services) X (emission coefficients in industry-related tables) <purchases of raw materials→ purchases of all products and services>
	2	**Capital goods**	91,266	77,777	76,055	124,271	**138,334**	103,033	1.8%	Emissions related to construction and manufacturing for Company-wide capital investments <no change>
	3	**Fuel and energy purchases (outside Scope 1/2)**	28,853	31,207	30,684	30,796	**30,482**	52,932	0.9%	Emissions related to all fuel sources procured and electric energy <energy procured in Japan → Company-wide procured energy>
	4	**Transport and delivery (upstream)**	11,777	12,172	13,586	13,994	**12,262**	13,637	0.2%	Japan: Total emissions related to entire transportation of products Overseas: Overseas component estimated from domestic and overseas sales weighting <actual domestic emissions → Company-wide emissions, including estimates for overseas>
	5	**Waste discharged from business operations**	4,511	5,173	5,085	5,394	**5,584**	5,926	0.1%	Emissions related to disposal of waste generated by all production sites <waste in Japan → Company-wide waste>
	6	**Business travel**	1,998	1,922 (※2)	1,930	1,930 (※2)	1,927	3,597	0.1%	Emissions related to business travel of Company employees <domestic travel → Company-wide business travel>

Category		Details	Scope3 Emissions(t-CO_2e)							Scope and Method of Calculations*1 <changes from last year>
			FY2013	FY2016	FY2017	FY2018	FY2019	FY2020	rate	
	7	Commuting	8,313	8,396 (※2)	8,231	8,231 (※2)	8,758	13,662	0.2%	Domestic: Emissions related to employee commuting Overseas: Estimated with employee ratio <commuting in Japan → Company-wide commuting>
	8	Use of lease assets (upstream)	0	0	0	0	0	5,674	0.1%	Domestic: Total for office departments (tenants) Overseas: Estimated with ratio of employees in office departments <domestic component recorded under scopes 1 and 2 → scopes 1 and 2 excluded, overseas component estimated and counted here>
	Subtotal		302,963	292,019	301,909	432,570	433,210	1,992,461	35.5%	
Down stream	9	Transport/delivery (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	3,140,000	2,985,048	3,008,094	4,111,132	3,803,081	3,612,289	64.5%	Emissions from consumer products*3 shipped throughout Japan and overseas during the fiscal year if used to the end of their lifespan <no change>
	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)	0	0	0	0	0	0	0.0%	No applicable emissions
	14	Franchise	0	0	0	0	0	0	0.0%	No applicable emissions
	15	Investment	0	0	0	0	0	0	0.0%	No applicable emissions
Total			3,745,927	3,277,067	3,310,003	4,543,702	4,236,291	5,604,750		

* 1 In fiscal 2020 calculation methods were revised as follows.

- Emissions intensity databases used for calculations were changed as follows:

Ministry of Environment's Database on Emissions Intensities for Calculating Greenhouse Gas Emissions, etc. through a Supply Chain: Changed from Version 2.0 (March 2013) to Version 3.0 (March 2020)

Category 3 energy procurement emissions intensity: Changed to LCI Database IDEAv2 (Ver. 2.3)

- Some categories previously only included data for Japan, but all categories now cover Company-wide data, including estimates for overseas components.

* 2 CO_2 emissions during business travel and commuting: Updated only once every two years given the few major fluctuations and no significant impact on overall emissions.

* 3 Products for industrial applications are not included in the scope of calculations because they are included in customer emission reports. Calculations are within the scope of impacts from our products, including lost power from power supply parts for consumer televisions and computers, as well as consumed power and volume of refrigerant gas in vending machines and showcases.

Greenhouse Gas Emissions in Fuji Electric's Overall Supply Chain

(1000t-CO_2e)

		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Upstream	Scope3	303	292	302	433	433	1,992
	Scope1	253	221	239	274	222	202
	Scope2	283	246	245	247	235	235

		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
	Subtotal	839	759	786	953	890	2,429
Downstream	**Scope3**	3,140	2,985	3,008	4,111	3,803	3,612
Total		3,979	3,744	3,794	5,065	4,693	6,042

Notes: The scope of calculations for categories 3 through 8 of Scope 3 were expanded Company-wide in fiscal 2020

Emissions Transactions

($t\text{-}CO_2e$)

Location (Period)	Emissions credit acquisition	Emissions credit purchase	Emissions credit redemption	Outstanding credits
Tokyo (Tokyo Factory) **(FY2010–2019)**	5,919 (5,154)	0 (0)	0 (0)	5,919 (5,154)
Saitama (Fukiage Factory) **(FY2011–2019)**	31,396 (27,336)	0 (0)	0 (0)	31,396 (27,336)
Shenzhen **(FY2013–2020)**	12,485 (12,485)	9,493 (9,493)	12,271 (9,289)	9,707 (12,690)

Notes: Figures in parentheses are from the report for the previous fiscal year.

Emissions Transaction System

Location	Second reduction period	Reduction target (Result from first reduction period)
Tokyo (Tokyo Factory)	FY2015–2019	15% reduction in emissions from base year (6% reduction)
Saitama (Fukiage Factory)	FY2015–2019	13% reduction in emissions from base year (6% reduction)
Shenzhen	FY2016–2020	Annual reduction in emissions of 5.59% (6.1X% reduction)

Notes: Fuji Electric no longer discloses names of verification institutions.

Renewable Energy Use

(MWh)

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Renewable energy certificates purchased						
Solar power generated in Japan	413	487	487	487	539	592
Solar power generated overseas	526	526	638	672	2,113	1,575
Solar power purchased overseas				228	1,309	1,730
Total	939	1,012	1,125	1,386	3,962	3,897

Notes: Solar power is only purchased overseas.

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

(MWh)

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Wind power	2,628	2,628	2,628	2,628	2,628	2,628
Solar power	3,154	4,205	4,205	4,205	4,205	4,205

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Total	5,782	6,833	6,833	6,833	6,833	6,833

Renewable Energy Power Supply Shipment Amounts

(MW)

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Total	562	750	249	590	488	422

Notes: Figures above represent total shipment amounts of geothermal power generation systems, hydro power generation systems, biomass power generation systems, and solar power generation systems (including power conditioning sub-systems).

CO_2 Emissions Reductions from Provision of Renewable Energy Power Supplies

(10,000 t-CO_2e)

Category	FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Total	341	699	738	924	1,107	1,322

Notes: CO_2 emissions reductions are calculated by using the power generated during one year of operation of products shipped for each fiscal year after fiscal 2009 and converting that amount into an amount of CO_2 corresponding with the emissions that would have occurred should that amount of power have been generated through thermal power.

Total Waste / Waste Sent to Landfills

(t)

Region	Total / Landfill	Category	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Total waste**	**Sludge**	1,136	1,253	1,268	**1,667**	1,778
		Waste oil	1,281	1,132	1,198	**1,309**	1,105
		Acid / alkali waste	1,448	1,662	1,672	**1,523**	1,305
		Waste plastic	1,681	1,870	2,051	**1,951**	1,699
		Paper / wood scraps	4,039	4,062	4,364	**4,157**	3,561
		Metal scraps	12,062	12,443	12,039	**12,097**	9,996
		Others	250	230	226	**275**	284
		Total	21,897	22,652	22,819	**22,979**	19,728
	Sent to landfills		52	37	145	**115**	122
		Ratio of waste sent to landfills	0.2%	0.2%	0.6%	**0.5%**	0.6%
Overseas	**Total waste**	**Sludge**	2,385	1,743	1,719	**1,976**	2,051
		Waste oil	283	249	287	**250**	323
		Acid / alkali waste	5,173	3,578	3,720	**2,689**	1,394
		Waste plastic	306	291	317	**272**	335
		Paper / wood scraps	255	256	270	**255**	324
		Metal scraps	3,668	3,678	4,235	**3,716**	3,235
		Others	158	200	211	**250**	192
		Total	12,229	9,995	10,759	**9,408**	7,856
	Sent to landfills		1,749	724	399	**229**	367
		Ratio of waste sent to landfills	14.3%	7.2%	3.7%	**2.4%**	4.7%
Total	**Total waste**	**Sludge**	3,521	2,995	2,987	**3,643**	3,829

Region	Total / Landfill	Category	FY2016	FY2017	FY2018	FY2019	FY2020
		Waste oil	1,565	1,381	1,485	**1,559**	1,428
		Acid / alkali waste	6,621	5,240	5,392	**4,212**	2,699
		Waste plastic	1,987	2,161	2,368	**2,224**	2,034
		Paper / wood scraps	4,294	4,318	4,634	**4,412**	3,885
		Metal scraps	15,729	16,122	16,274	**15,813**	13,232
		Others	409	430	437	**525**	476
		Total	34,126	32,648	33,578	**32,387**	27,584
	Sent to landfills		1,801	762	543	**345**	489
		Ratio of waste sent to landfills	5.3%	2.3%	1.6%	**1.1%**	1.8%

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

Hazardous waste / non-hazardous waste

(t)

Type	Indicator	FY2016	FY2017	FY2018	FY2019	FY2020
Hazardous waste	**Total waste**	11,707	9,617	9,864	9,415	7,957
	Amount of waste recycled	8,848	7,767	8,370	8,707	6,774
	Recycling rate	76%	81%	85%	92%	85%
	Sent to landfills	1,606	511	175	83	288
	Ratio of waste sent to landfills	13.7%	5.3%	1.8%	0.9%	3.6%
Non-hazardous waste	**Total waste**	22,419	23,031	23,714	22,972	25,621
	Amount of waste recycled	21,784	22,221	22,854	21,993	18,988
	Recycling rate	97%	96%	96%	96%	74%
	Sent to landfills	196	251	368	262	201
	Ratio of waste sent to landfills	0.9%	1.1%	1.6%	1.1%	0.8%
Total	**Total waste**	34,126	32,648	33,578	32,387	33,578
	Amount of waste recycled	30,632	29,988	31,224	30,700	25,762
	Recycling rate	90%	92%	93%	95%	77%
	Sent to landfills	1,801	762	543	345	489
	Ratio of waste sent to landfills	5.3%	2.3%	1.6%	1.1%	1.5%

*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

(1,000 m^3)

Category		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Potable water purchased**	375	462	465	591	**925**	1,100

Category		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
	Industrial water purchased	2,616	2,457	2,564	2,836	**2,749**	2,766
	Total water purchased	2,990	2,919	3,029	3,427	**3,674**	3,866
	Groundwater intake	3,931	3,803	4,206	4,077	**3,962**	3,894
	Total water intake in Japan	6,921	6,721	7,235	7,503	**7,636**	7,760
Overseas	**Industrial water purchased**	6,427	6,444	5,288	5,974	**5,762**	5,575
	Groundwater intake	0	0	0	0	**0**	1
	Industrial water purchased	6,427	6,444	5,288	5,974	**5,762**	5,576
Total	**Total water intake**	13,348	13,165	12,523	13,478	**13,398**	13,336

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. Roughly 1,000 tons of groundwater is used annually at Fuji Electric Consul Neowatt, our new subsidiary in Indiafrom fiscal 2020

Water Recycled

(1,000 m^3)

		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Amount of water recycled**	774	920	982	1,055	1,940	2,087
	Recycling rate	10.1%	12.0%	11.9%	12.3%	20.3%	21.2%
Overseas	**Amount of water recycled**	188	197	227	822	725	917
	Recycling rate	2.8%	3.0%	4.1%	12.1%	11.2%	14.1%
Total	**Amount of water recycled**	962	1,117	1,209	1,877	2,665	3,004
	Recycling rate	6.7%	7.8%	8.8%	12.2%	16.6%	18.4%

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

Wastewater

(1,000 m^3)

Category		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Volume of wastewater to the sewer**	1,006	1,024	1,082	1,233	1,170	1,166
	Volume of wastewater to the river	5,915	5,697	6,154	6,270	6,466	6,593
	Subtotal	6,921	6,721	7,235	7,503	7,636	7,760
Overseas	**Volume of wastewater to the sewer**	448	530	558	568	520	510
	Volume of wastewater to the river	5,979	5,914	4,730	5,406	5,242	5,066
	Subtotal	6,427	6,444	5,288	5,974	5,762	5,576
Total	**Volume of wastewater to the sewer**	1,454	1,554	1,639	1,801	1,690	1,676
	Volume of wastewater to the river	11,894	11,611	10,884	11,676	11,708	11,660
	Total	13,348	13,165	12,523	13,478	13,398	13,336

Emissions of other substances in the wastewater that are Hazardous to the environment in Japan

(t)

	FY2019	FY2020
Nitrogen	4.4	3.3
Phosphorus	0.4	0.5

BOD	2.4	1.6
COD	4.2	3.8

PRTR-VOC

Volume of PRTR Law Regulated Substances Handled / Emitted

(t)

		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Handled**	561.5	546.6	568.5	824.2	782.1	723.6
	Emitted	176.4	160.9	154.7	152.9	143.6	169.7
Overseas	**Handled**	2,466.8	2,299.5	1,882.0	1,912.7	1,516.5	939.4
	Emitted	1,340.0	1,100.6	1,034.1	936.4	755.3	478.6
Total	**Handled**	3,028.4	2,846.1	2,450.4	2,737.0	2,298.6	1,663.0
	Emitted	1,516.4	1,261.6	1,188.8	1,089.3	898.9	648.3

Volume of VOCs Handled / Emitted

(t)

		FY2013	FY2016	FY2017	FY2018	FY2019	FY2020
Japan	**Handled**	638.2	595.8	600.6	617.4	**565.4**	597.5
	Emitted	257.7	246.1	232.0	233.5	**257.0**	260.8
Overseas	**Handled**	1,566.2	1,474.0	1,264.8	1,205.3	**922.1**	650.1
	Emitted	1,479.9	1,209.2	1,139.6	1,023.2	**826.0**	557.8
Total	**Handled**	2,204.4	2,069.8	1,865.4	1,822.7	**1,487.5**	1,247.6
	Emitted	1,737.5	1,455.3	1,371.6	1,256.7	**1,083.0**	818.6

Emissions of other substances that are Hazardous to the environment in Japan

(t)

	FY2019	FY2020
SOx	0.025	0.016
Nox	2.4	1.5