

Main Environmental Indicators (5 Years)

Latest update: 8 June, 2026

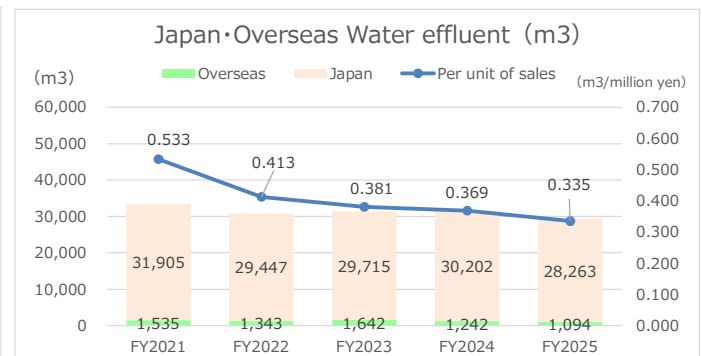
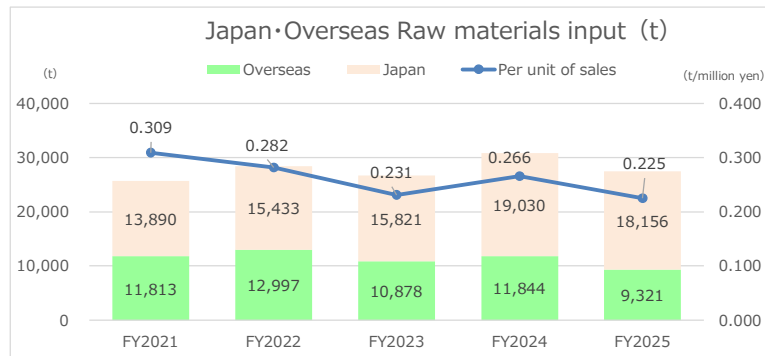
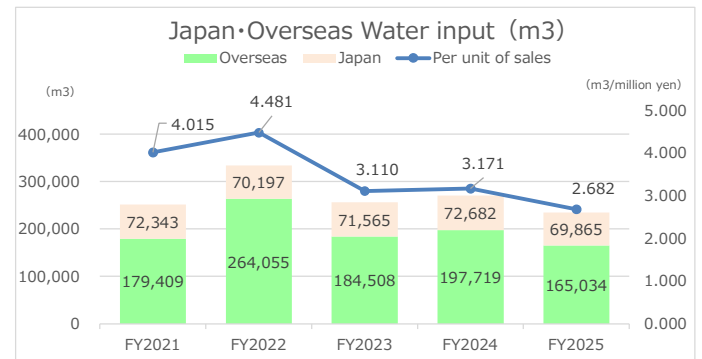
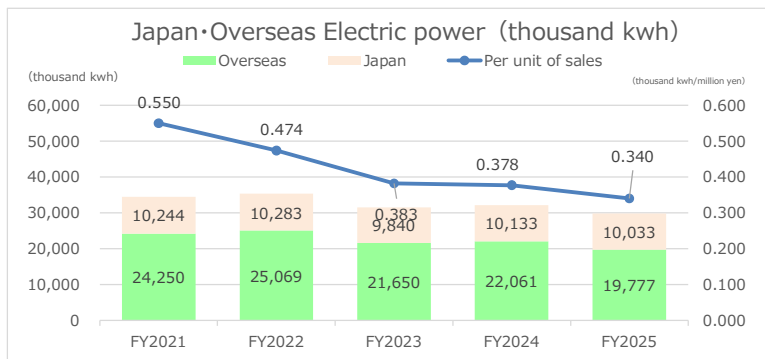
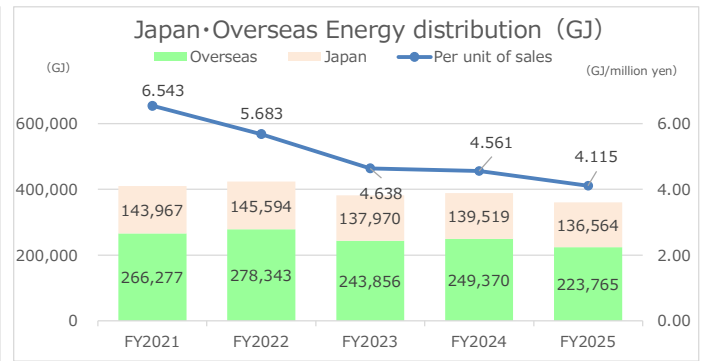
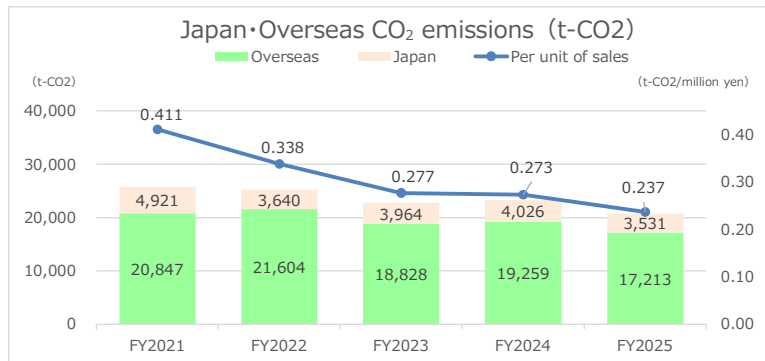
Japanese data gathered from: 1 manufacturing location, 8 non-manufacturing locations, 1 consolidated subsidiary, and 1 non-consolidated subsidiary.

Overseas data gathered from: 2 manufacturing locations, 9 consolidated subsidiaries, and 1 equity method affiliate.

Data collection period : Japan (April of the year shown to March of the following year) , Overseas (January of the year shown to December of the following year)

Per Unit of Sales (Scope 1+2)

Reporting Content	Unit	FY2021	FY2022	FY2023	FY2024	FY2025
CO2 emissions	t-CO ₂ /million yen	0.411	0.338	0.277	0.273	0.237
Japan	t-CO ₂ /million yen	0.151	0.102	0.104	0.100	0.087
Overseas	t-CO ₂ /million yen	0.693	0.556	0.425	0.429	0.367
Energy input	GJ/million yen	6.543	5.683	4.638	4.561	4.115
Japan	GJ/million yen	4.417	4.070	3.630	3.457	3.354
Overseas	GJ/million yen	8.846	7.169	5.503	5.552	4.776
Electric power	thousand kwh	0.550	0.474	0.383	0.378	0.340
Japan	thousand kwh	0.314	0.287	0.259	0.251	0.246
Overseas	thousand kwh	0.806	0.646	0.489	0.491	0.422
Water input	m ³ /million yen	4.015	4.481	3.110	3.171	2.682
Japan	m ³ /million yen	2.219	1.962	1.883	1.801	1.716
Overseas	m ³ /million yen	5.960	6.801	4.164	4.402	3.522



INPUT (Energy input, Water input, and Rawmaterials input)

Reporting Content		Unit	FY2021	FY2022	FY2023	FY2024	FY2025
INPUT							
Energy input		GJ	410,244	423,937	381,826	388,889	360,329
	Japan	GJ	143,967	145,594	137,970	139,519	136,564
	Overseas	GJ	266,277	278,343	243,856	249,370	223,765
Electric power		thousand kwh	34,495	35,352	31,490	32,194	29,810
	Japan	thousand kwh	10,244	10,283	9,840	10,133	10,033
	Overseas	thousand kwh	24,250	25,069	21,650	22,061	19,777
Gas		m ³	100,936	103,540	100,237	106,498	101,871
	Japan	m ³	100,936	103,540	100,237	106,498	101,871
	Overseas	m ³	48,107	46,425	45,323	45,129	37,156
Gasoline		k l	599	648	447	447	405
	Japan	k l	294	256	43	38	34
	Overseas	k l	305	392	404	408	371
Kerosene		k l	0	0	0	0	0
	Japan	k l	0	0	0	0	0
	Overseas	k l	0	0	0	0	0
Diesel fuel		k l	957	1,055	1,142	1,125	1,049
	Japan	k l	640	703	808	758	717
	Overseas	k l	317	353	333	367	333
Water input		m ³	251,752	334,252	256,073	270,401	234,899
	Water supply	m ³	217,067	286,911	218,915	223,550	197,620
	Japan	m ³	68,901	68,181	69,584	70,556	68,175
	Overseas	m ³	148,166	218,730	149,331	152,994	129,445
	Industrial water supply	m ³	34,685	47,341	37,158	46,852	37,279
	Japan	m ³	3,442	2,016	1,981	2,126	1,690
	Overseas	m ³	31,243	45,325	35,177	44,726	35,589
Raw materials used in products, etc.		t	19,388	21,019	19,031	22,682	19,719
	Japan	t	7,575	8,022	8,153	10,838	10,398
	Overseas	t	11,813	12,997	10,878	11,844	9,321
Packaging and container materials		t	6,315	7,411	7,667	8,192	7,758
	Japan	t	6,315	7,411	7,667	8,192	7,758
	Overseas	t	0	0	0	0	0

OUTPUT (CO2 emissions, Water effluent and Waste material)

Reporting Content		Unit	FY2021	FY2022	FY2023	FY2024	FY2025
OUTPUT							
CO2 emissions							
	Scope 1+2	t-CO ₂	25,768	25,243	22,792	23,285	20,744
	Japan	t-CO ₂	4,921	3,640	3,964	4,026	3,531
	Overseas	t-CO ₂	20,847	21,604	18,828	19,259	17,213
	Scope 1	t-CO ₂	2,765	2,937	2,422	2,560	2,291
	Japan	t-CO ₂	1,227	1,133	640	672	647
	Overseas	t-CO ₂	1,538	1,805	1,781	1,887	1,644
	Scope 2	t-CO ₂	23,002	22,306	20,370	20,726	18,453
	Japan	t-CO ₂	3,694	2,507	3,323	3,354	2,884
	Overseas	t-CO ₂	19,309	19,799	17,047	17,372	15,569
Water input		m ³	33,440	30,790	31,357	31,444	28,263
	Japan	m ³	31,905	29,447	29,715	30,202	28,263
	Overseas *Data not extracted	m ³	1,535	1,343	1,642	1,242	0
Waste material		t	5,106	4,749	4,662	4,980	4,168
	Japan	t	3,450	3,381	3,235	3,701	3,301
	Overseas	t	1,656	1,369	1,427	1,278	867
Remaining waste after treatment		t	764	793	765	767	397
	Japan	t	16	6	7	12	5
	Overseas	t	749	787	758	755	392
Resource Recovery Rate		%	1	1	1	1	1
	Japan	%	1	1	1	1	1
	Overseas	%	1	0	0	0	1
Sulfur oxide (SOx) emissions		kg	0	0	0	0	0
	Japan	kg	0	0	0	0	0
	Overseas	kg	0	0	0	0	0
Nitrogen oxide (NOx) emissions		kg	0	0	0	0	0
	Japan	kg	0	0	0	0	0
	Overseas	kg	0	0	0	0	0
Dust emissions		kg	0	0	0	0	0
	Japan	kg	0	0	0	0	0
	Overseas	kg	0	0	0	0	0

*1 Energy consumption calculated based on formulas in the Japanese Act on the Rational Use of Energy.

*2 Overseas CO2 emission coefficients by country are drawn from CO2 Emissions from Fuel Combustion: Highlights, 2013 Edition.

*3 From FY2017 onward, waste materials for promotional items are included in calculations.

Scope 1+2+3 emissions

Reporting Content		Unit	FY2021	FY2022	FY2023	FY2024	FY2025
Group							
CO2 emissions		t-CO ₂		375,387	398,510	414,595	413,768
Scope 1	Scope 1	t-CO ₂	2,765	2,937	2,422	2,560	2,291
	Scope 2	t-CO ₂	23,002	22,306	20,370	20,726	18,453
	Scope 3	t-CO ₂		350,143	375,718	391,309	393,025
	Category 1 (Purchased goods and services)	t-CO ₂		156,882	162,797	175,351	179,502
	Category 2 (Capital goods)	t-CO ₂		4,664	6,109	6,792	4,831
	Category 3 (Fuel- and energy-related activities)	t-CO ₂		3,980	3,637	3,904	7,985
	Category 4 (Upstream transportation)	t-CO ₂		10,965	11,459	12,567	12,136
	Category 5 (Waste generated in)	t-CO ₂		1,948	1,197	1,227	994
	Category 6 (Business travel)	t-CO ₂		742	770	749	921
	Category 7 (Employee commuting)	t-CO ₂		1,813	1,904	1,832	1,595
	Category 8 (Upstream leased assets)	t-CO ₂		0	0	0	0
	Category 9 (Downstream transportation)	t-CO ₂		835	792	880	916
	Category 10 (Processing of sold)	t-CO ₂		0	0	0	0
	Category 11 (Use of sold products)	t-CO ₂		138,228	155,203	157,405	159,385
	Category 12 (End-of-life treatment)	t-CO ₂		27,938	29,648	28,665	22,997
	Category 13 (Downstream leased assets)	t-CO ₂		0	0	0	0
	Category 14 (Franchises)	t-CO ₂		0	0	0	0
	Category 15 (Investments)	t-CO ₂		2,147	2,201	1,935	1,762
Japan							
CO2 emissions		t-CO ₂	193,659	206,730	226,576	232,445	227,512
Scope 1	Scope 1	t-CO ₂	1,227	1,133	640	672	647
	Scope 2	t-CO ₂	3,694	2,507	3,323	3,354	2,884
	Scope 3	t-CO ₂	188,738	203,090	222,612	228,419	223,980
	Category 1 (Purchased goods and services)	t-CO ₂	60,853	72,090	80,439	84,443	77,661
	Category 2 (Capital goods)	t-CO ₂	5,709	2,118	2,356	2,054	2,352
	Category 3 (Fuel- and energy-related activities not included in Scope 1 or Scope 2)	t-CO ₂	1,031	851	711	744	599
	Category 4 (Upstream transportation and distribution)	t-CO ₂	4,007	4,426	4,860	5,006	4,774
	Category 5 (Waste generated in operations)	t-CO ₂	2,130	1,254	612	684	574
	Category 6 (Business travel)	t-CO ₂	129	128	101	99	101
	Category 7 (Employee commuting)	t-CO ₂	295	285	235	229	235
	Category 8 (Upstream leased assets)	t-CO ₂	0	0	0	0	0
	Category 9 (Downstream transportation and distribution)	t-CO ₂	381	424	453	472	445
	Category 10 (Processing of sold products)	t-CO ₂	0	0	0	0	0
	Category 11 (Use of sold products)	t-CO ₂	101,827	108,301	119,004	120,842	123,608
	Category 12 (End-of-life treatment of sold products)	t-CO ₂	11,361	12,140	12,777	12,891	12,784
	Category 13 (Downstream leased assets)	t-CO ₂	0	0	0	0	0
	Category 14 (Franchises)	t-CO ₂	0	0	0	0	0
	Category 15 (Investments)	t-CO ₂	1,014	1,073	1,063	954	849
Over Seas							
CO2 emissions		t-CO ₂		168,656	171,934	182,149	186,257
Scope 1	Scope 1	t-CO ₂	1,538	1,805	1,781	1,887	1,644
	Scope 2	t-CO ₂	19,309	19,799	17,047	17,372	15,569
	Scope 3	t-CO ₂	0	147,053	153,106	162,890	169,044
	Category 1 (Purchased goods and services)	t-CO ₂		84,792	82,359	90,908	101,841
	Category 2 (Capital goods)	t-CO ₂		2,546	3,753	4,738	2,479
	Category 3 (Fuel- and energy-related activities)	t-CO ₂		3,129	2,926	3,160	7,387
	Category 4 (Upstream transportation)	t-CO ₂		6,539	6,599	7,561	7,362
	Category 5 (Waste generated in)	t-CO ₂		695	585	543	421
	Category 6 (Business travel)	t-CO ₂		614	668	650	820
	Category 7 (Employee commuting)	t-CO ₂		1,528	1,670	1,603	1,361
	Category 8 (Upstream leased assets)	t-CO ₂		0	0	0	0
	Category 9 (Downstream transportation)	t-CO ₂		411	338	408	471
	Category 10 (Processing of sold)	t-CO ₂		0	0	0	0
	Category 11 (Use of sold products)	t-CO ₂		29,927	36,199	36,563	35,777
	Category 12 (End-of-life treatment)	t-CO ₂		15,797	16,871	15,774	10,213
	Category 13 (Downstream leased assets)	t-CO ₂		0	0	0	0
	Category 14 (Franchises)	t-CO ₂		0	0	0	0
	Category 15 (Investments)	t-CO ₂		1,074	1,138	981	913

※CO₂ emissions are calculated using the emission factors based on the AIST-IDEA Ver.3.5 Standard Version (April 15, 2025), developed by the IDEA Laboratory, Department of Safety Science, National Institute of Advanced Industrial Science and Technology (AIST), under the Climate Change category of IPCC 2021 GWP 100a without LULUCF.

※ For overseas group companies, Scope 3 emissions have been calculated starting from FY2022.

Emissions of PRTR-listed Substances and Movement in Japan (FY2025) (Unit : t)

Designated Chemical Substance	Emissions and Movement
[3-(Alkanamidopropyl)(dimethyl)ammonio]acetate (C8,10,12,14,16,18) and (Z)-[3-(Octadec-9-enamidopropyl) [blocked]ammonio]acetate and mixtures thereof	0.335
2-(N-Dodecyl-N,N-dimethylammonio)acetate	0.089
2-Aminoethanol	0.003
Reaction product of 3-methylpent-3-en-2-one and 3-methylidene-7-methylocta-1,6-diene, containing ≥80 wt% of a mixture of 1-(2,3,8,8-tetramethyl-1,2,3,4,5,6,7,8-octahydronaphthalen-2-yl)ethanone, 1-(2,3,8,8-tetramethyl-1,2,3,4,6,7,8a-octahydronaphthalen-2-yl)ethanone and 1-(2,3,8,8-tetramethyl-1,2,3,5,6,7,8,8a-octahydronaphthalen-2-yl)ethanone (OTNE / Iso E	0.021
4,6,6,7,8,8-Hexamethyl-1,3,4,6,7,8-hexahydrocyclopenta[g]isochromene (HHCB / Galaxolide)	0.033
4-Isopropyl-3-methylphenol	0.453
Polyacrylic acid	0.058
Alpha-alkyl-omega-hydroxypoly(oxyethane-1,2-diyl) (C16-18 alkyl, Mn<1,000) and alpha-alkenyl-omega-hydroxypoly(oxyethane-1,2-diyl) (C16-18 alkenyl, Mn<1,000) and mixtures thereof	0.712
Ethylenediaminetetraacetic acid (EDTA) and its potassium and sodium salts	0.035
Sodium dodecyl sulfate (SDS / Sodium lauryl sulfate)	0.331
Trimethyl(octadecyl)ammonium salts (Stearyltrimethylammonium salts)	0.022
Poly(oxyethylene) alkyl ether (C12-15 alkyl)	0.029
Sodium poly(oxyethylene) dodecyl ether sulfate (Sodium laureth sulfate)	0.441
Methyl 2-(3-oxo-2-pentylcyclopentyl)acetate (Methyl dihydrojasmonate)	0.111
Water-soluble zinc compounds	0.136

Reference: Japanese CO2 emission calculation coefficient

Reporting Content	FY2021	FY2022	FY2023	FY2024	FY2025
Electric power					
Hokkaido Electric Power Co., Inc. (t-CO2/thousand kwh)	0.550	0.537	0.541	0.535	0.526
Tohoku Electric Power Co., Inc. (t-CO2/thousand kwh)	0.457	0.488	0.471	0.402	0.421
TEPCO Energy Partner, Inc. (t-CO2/thousand kwh)	0.443	0.456	0.390	0.431	0.452
CHUBU Electric Power Co., Inc. (t-CO2/thousand kwh)	0.379	0.388	0.459	0.421	0.411
The Kansai Electric Power Co., Inc. (t-CO2/thousand kwh)	0.351	0.311	0.434	0.419	0.415
The Chugoku Electric Power Co., Inc. (t-CO2/thousand kwh)	0.521	0.540	0.552	0.520	0.484
Kyushu Electric Power Co., Inc. (t-CO2/thousand kwh)	0.480	0.389	0.475	0.417	0.472
ENNET Corp. (t-CO2/thousand kwh)	0.385	0.408	0.367	0.432	0.547
Tepco Customer Service Corp. (t-CO2/thousand kwh)	0.495	0.558	0.420	0.353	0.000
Kerosene (t-CO2/kl)	2.503	2.503	2.503	2.503	2.503
LP Gas (t-CO2/t)	2.994	2.994	2.994	2.994	2.994
City Gas (t-CO2/thousand Nm3)	2.053	2.053	2.053	2.053	2.053
Gasoline (t-CO2/kl)	2.290	2.290	2.290	2.290	2.290
Diesel fuel (t-CO2/kl)	2.619	2.619	2.619	2.619	2.619
B·C Heavy oil (t-CO2 /kl)	3.096	3.096	3.096	3.096	3.096

Note: Calculations are based on the Japanese government's Act on the Rational Use, etc. of Energy.

Reference: Overseas CO2 emission calculation coefficient

Reporting Content	FY2021	FY2022	FY2023	FY2024	FY2025
Electric power					
Indonesia	0.800	0.800	0.800	0.800	0.800
China	0.764	0.581	0.570	0.570	0.570
Thailand	0.522	0.522	0.522	0.522	0.522
Philippines	0.492	0.492	0.492	0.492	0.492
Malaysia	0.688	0.688	0.688	0.688	0.688
Singapore	0.500	0.500	0.500	0.500	0.500
Taiwan	0.764	0.764	0.764	0.764	0.764
Hong Kong	0.768	0.768	0.768	0.768	0.768
Korea	0.545	0.545	0.545	0.545	0.545
India	0.856	0.856	0.856	0.856	0.856
Vietnam	0.429	0.429	0.429	0.429	0.429

Note: Overseas CO2 emission coefficients by country are drawn from CO2 Emissions from Fuel Combustion: Highlights, 2013 Edition. Source: IEA