

# Environmental Data List

[Scope]The scope of non-financial data provided covers Sumitomo Heavy Industries Ltd., consolidated subsidiaries, and equity method affiliates. Context changes are duly noted in the report.

		Item	Unit	2019	2020	2021	2022	2023	Remarks		
Response to Climate Change	CO2 emissions	Scope1+ Scope2 (Market)	Japan	10,000 t-CO <sub>2</sub>	10.1	10.3	10.4	8.2			
			Overseas	10,000 t-CO <sub>2</sub>	10.5	11.2	10.7	7.5			
			Total	10,000 t-CO <sub>2</sub>	21.2	20.1	21.5	21.1	15.7		
		Scope1	Japan	t-CO <sub>2</sub>	17,499	16,229	16,300	17,561	16,935		
			Overseas	t-CO <sub>2</sub>	22,266	20,344	21,118	20,857	19,337		
			Total	t-CO <sub>2</sub>	39,765	36,572	37,418	38,419	36,272		
		Consolidated account sales			million yen	864,490	849,065	943,979	854,093	1,081,533	
		Data coverage rate			%	85.9%	85.9%	92.6%	91.1%	92.3%	
		Scope2 (Location)	Japan	t-CO <sub>2</sub>	84,624	73,144	72,604	75,761	77,597		
			Overseas	t-CO <sub>2</sub>	82,315	79,550	91,312	86,699	62,915		
			Total	t-CO <sub>2</sub>	166,939	152,694	163,917	162,460	140,512		
		Scope2 (Market)	Japan	t-CO <sub>2</sub>	89,451	84,997	86,449	86,903	64,661		
			Overseas	t-CO <sub>2</sub>	82,315	79,550	91,312	85,747	55,970		
			Total	t-CO <sub>2</sub>	171,766	164,546	177,761	172,650	120,631		
		Data coverage rate			%	85.9%	85.9%	92.6%	91.1%	92.3%	
		Scope1+2	Location	t-CO <sub>2</sub>	206,704	189,267	201,335	200,879	176,784		
			Market	t-CO <sub>2</sub>	211,531	201,119	215,179	211,069	156,903		
		Data coverage rate			%	85.9%	85.9%	92.6%	91.1%	92.3%	
		Scope3	Total	t-CO <sub>2</sub>	226,077,535	123,561,961	137,175,145	80,561,862	76,761,104		
		Data coverage rate			%	97.9%	96.8%	96.5%	94.6%	94.9%	
		Cat-01 Raw materials			t-CO <sub>2</sub>	313,670	356,805	351,365	406,638	1,095,515	Calculation scope expanded in FY23
		Cat-02 Capital goods			t-CO <sub>2</sub>	165,751	128,805	154,343	147,464	140,793	
		Cat-03 Energy consumption			t-CO <sub>2</sub>	20,162	20,280	21,349	26,955	26,712	
		Cat-04 Logistics (Upstream)			t-CO <sub>2</sub>	11,562	11,046	11,082	11,045	10,160	Excluding overseas
		Cat-05 Waste disposal			t-CO <sub>2</sub>	6,958	5,767	5,578	5,355	5,405	Excluding overseas
Cat-06 Business travel			t-CO <sub>2</sub>	2,120	2,171	3,761	3,277	3,289			
Cat-07 Commuting			t-CO <sub>2</sub>	6,006	6,179	11,138	11,322	12,264			
Cat-08 Lease asset (Upstream)			t-CO <sub>2</sub>	0	0	0	0	0	Calculated according to Scope 1 & 2		
Cat-09 Logistics (Downstream)			t-CO <sub>2</sub>	--	--	--	--	--	Excluded		
Cat-10 Processing of products			t-CO <sub>2</sub>	--	--	--	--	--	Exempt as processing form unable to be identified		
Cat-11 Use of products			t-CO <sub>2</sub>	225,549,245	123,029,056	136,614,107	79,946,933	75,463,187			
Cat-12 Disposal of products			t-CO <sub>2</sub>	--	--	--	--	--	Calculation method currently under review		
Cat-13 Lease asset (Downstream)			t-CO <sub>2</sub>	--	--	--	--	--	Calculation method currently under review		
Cat-14 Franchises			t-CO <sub>2</sub>	--	--	--	--	--	Not covered		
Cat-15 Investments			t-CO <sub>2</sub>	2,060	1,852	2,422	2,873	3,780	Not subject to third-party verification		
CO2 emissions per basic unit			t-CO <sub>2</sub> /million yen	0.24	0.22	0.21	0.24	0.16			

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Response to Climate Change	Energy productivity		Japan	million yen/t-CO <sub>2</sub>	5.8	5.8	6.0	6.3	7.0	
			Overseas	million yen/t-CO <sub>2</sub>	3.0	2.7	3.0	3.2	3.5	
	Energy consumption	Fuel consumption		Japan	MWh	86,213	80,949	82,309	88,009	83,194
				Overseas	MWh	116,454	106,386	110,457	108,570	91,463
				Total	MWh	202,668	187,335	192,766	196,579	174,657
		Electric power consumption		Japan	MWh	166,135	161,081	167,290	164,323	121,359
				Overseas	MWh	125,516	124,602	135,088	131,868	129,304
				Total	MWh	291,650	285,683	302,378	296,191	250,663
		Cold/warm water		Japan	MWh	1,203	1,197	1,113	1,159	1,299
				Overseas	MWh	5,379	8,110	9,136	8,147	9,387
				Total	MWh	6,582	9,307	10,249	9,306	10,686
		Total		MWh	500,900	482,325	505,393	502,076	436,006	
	Data coverage rate		%	85.9%	85.9%	92.6%	91.1%	92.3%		
	Renewable energy consumption		Japan	MWh	323	1,223	1,298	11,000	58,347	
			Overseas	MWh	0	0	0	3,203	14,270	
			Total	MWh	323	1,223	1,298	14,203	72,617	
	Energy recycling rate		Japan	%	0.19%	0.76%	0.78%	6.69%	48.08%	
			Overseas	%	0.0	0.0	0.0	2.43%	11.04%	
			Overall	%	0.11%	0.43%	0.43%	4.80%	28.97%	
	Data coverage rate		%	85.9%	85.9%	92.6%	91.1%	92.3%		
Other major GHG	Total amount		Japan	t-CO <sub>2</sub>	51.0	54.2	29.7	36.5	1,518.3	
			Overseas	t-CO <sub>2</sub>	—	—	—	—	—	
	Methane (CH <sub>4</sub> )		Japan	t-CO <sub>2</sub>	41.3	46.7	25.8	35.1	139.3	
			Overseas	t-CO <sub>2</sub>	—	—	—	—	—	
	Dinitrogen monoxide (N <sub>2</sub> O)		Japan	t-CO <sub>2</sub>	9.8	7.5	3.8	1.5	83.2	
			Overseas	t-CO <sub>2</sub>	—	—	—	—	—	
	Hydrofluorocarbon compounds (HFCs)		Japan	t-CO <sub>2</sub>	—	—	—	—	11.7	
			Overseas	t-CO <sub>2</sub>	—	—	—	—	—	
Sulfur hexafluoride (SF <sub>6</sub> )		Japan	t-CO <sub>2</sub>	—	—	—	—	1,284.2		
		Overseas	t-CO <sub>2</sub>	—	—	—	—	—		

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Item		Unit	2019	2020	2021	2022	2023	Remarks	
Waste Management	Amount of waste generated	Japan	t	30,080	30,159	27,108	25,909	26,721	
		Overseas	t	34,085	30,707	35,483	32,494	29,895	
		Total	t	64,165	60,866	62,591	58,403	56,615	
	Data coverage rate		%	85.6%	85.5%	84.2%	84.5%	85.9%	
	Amount recycled (Total weight of recovered & recycled waste, etc.)	Japan	t	24,860	29,686	25,843	24,431	26,389	Amount recycled, valuable resources
	Amount of waste incinerated with energy recovered	Japan	t	4,048	2,497	2,702	2,506	2,335	Waste recycled & heat recovered
	Amount of waste incinerated without recovering energy	Japan	t	1,904	290	224	386	343	Waste incinerated & heat not recovered
	Amount recycled	Overseas	t	—	—	—	—	—	
	Final disposal amount	Japan	t	1	16	27	33	7	
		Overseas	t	8,233	1,219	1,268	971	1,099	
		Total	t	8,234	1,235	1,294	1,004	1,106	
Amount of hazardous waste generated	Emissions	Japan	t	303	818	708	693	650	Specially controlled industrial waste
		Overseas	t	—	—	—	—	—	
	Amount of waste incinerated with energy recovered	Japan	t	—	235	222	209	145	Waste recycled & heat recovered
	Amount of waste incinerated without recovering energy	Japan	t	—	168	118	46	30	Waste incinerated & heat not recovered
Overseas		t	—	—	—	—	—		
Disclosure under new Plastic Act	Emissions	Japan	t	1,009	1,505	1,419	1,310	1,243	(non-consolidated)
	Amount of waste incinerated with energy recovered (t)	Japan	t	427	509	435	437	422	(non-consolidated)
Water Resource Conservation	Water Consumption	Japan	thousand m <sup>3</sup>	1,190	1,155	1,165	1,129	1,070	
		Overseas	thousand m <sup>3</sup>	375	343	376	381	366	All tap water
		Total	thousand m <sup>3</sup>	1,565	1,498	1,541	1,510	1,436	
	Data coverage rate		%	80.6%	77.1%	76.5%	80.2%	82.0%	
	Tap water	Japan	thousand m <sup>3</sup>	385	382	362	355	331	
	Industrial water	Japan	thousand m <sup>3</sup>	622	610	618	613	604	Only amount used is counted
	Surface water	Japan	thousand m <sup>3</sup>	0	0	0	0	0	
	Underground water	Japan	thousand m <sup>3</sup>	183	163	185	161	135	
	Effluent		thousand m <sup>3</sup>	454	478	460	434	934	
		Data coverage rate		%	51.3%	51.6%	47.5%	43.6%	49.3%
	Amount discharged into water systems	COD	t	1.8	1.6	1.5	1.5	1.4	
T-N		t	6.8	6.6	6.2	5.6	4.9		
T-P		t	0.5	0.5	0.5	0.5	0.4		
Data coverage rate		%	51.3%	51.6%	47.5%	43.6%	49.3%		

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Item		Unit	2019	2020	2021	2022	2023	Remarks		
Chemical Substances	VOC	Total amount	Japan	t	577	519	507	525	443	
			Overseas	t	140	121	117	111	100	
			Total	t	717	640	623	636	544	
		Data coverage rate		%	87.8%	88.6%	86.0%	87.2%	86.6%	
		Ethylbenzene	Japan	t	155	158	149	154	163	
		Xylene	Japan	t	301	262	258	280	211	
	Toluene	Japan	t	122	99	100	91	69		
Environmental compliance	Number of major environmental incidents		Group-wide	Number of cases	0	1	0	0	0	
	Number of major environmental law/regulation violations		Group-wide	Number of cases	0	0	0	0	0	
	Number of penalties, fines, etc. paid	Japan	Number of cases	0	0	0	0	0	0	Cases where a ¥1 million or greater penalty or fine paid
		Overseas	Number of cases	0	1	0	0	0	0	Cases where US\$1,000 or greater penalty charge or fine paid
Environmental investment	Environment & Energy-Saving Capital Investment	Environment-related	Group-wide	million yen	826	573	490	423	423	
		Manufacturing energy-related	Group-wide	million yen	—	—	—	—	685	Solar power generation-related expenses, etc.
		Energy-saving related	Group-wide	million yen	3,706	1,287	2,610	685	530	
		Total	Group-wide	million yen	4,532	1,860	3,100	1,108	1,638	
External assessments	External assessments	CDP	Climate change	—	B	B-	B-	B	A-	
			Water security	—	B-	C	B-	C	A-	
		Buna-no-Mori (Beech forest)		—	B	A	B	A	A	
		Assessment under Act on Rationalizing Energy		—	S	S	S	S	S	
		Energy saving assessment for specific tenants by Tokyo metropolitan government		—	AA	AA	AAA	AA	AA	
Acquisition of ISO 14001 certification	Acquisition of ISO 14001 certification	Japan	Number of cases	37	37	37	35	35		
		Overseas	Number of cases	19	21	21	22	26		
		Total	Number of cases	56	58	58	57	61		
	Acquisition rate		%	80.1%	80.6%	79.4%	75.2%	79.8%		