

EPEAT 4.7.2.1 Public disclosure of key environmental aspects

Plan with goals, targets and objectives

Canon environmental goal is the achievement of Canon Environmental Vision. Through technological innovation and improved management efficiency, Canon aims to realize a society that promotes both enriched lifestyles and the global environment.

<https://global.canon/en/environment/policy.html>

Canon has formulated an action plan and monitors the progress of its activities to systematically promote efforts to achieve its Environmental Vision. The results of activities are evaluated and verified each year with a view to incorporating this feedback into future activities.

<https://global.canon/en/environment/target.html>

The key environmental aspects show as follows;

- a) Greenhouse Gas Emissions: Canon has long understood the importance of preventing global warming. We have promoted energy conservation activities across the Group, including developing technologies to prevent global warming and making improvements to production facilities and air conditioning equipment that consume substantial amounts of energy.

The following table shows the data for main sites.

		(t-CO ₂)	
		2021	2022
Greenhouse Gas Emissions	Scope1	142,655	159,899
	Scope2	917,727	861,428
	Scope1&2	1,060,382	1,021,327

* We calculated the greenhouse gas emissions based on a GHG protocol (WRI/WBCSD).

b) Water: Canon aims to reduce the amount of water used in the business activities of the entire Canon group (global). To this end, we promote water-saving measures and recycling and reduce the use of water from natural water systems such as rivers and groundwater.

The following table shows the data for main sites.

		2021	2022	
Total water withdrawal by source	Industrial water (thousand m ³)	3,835	3,853	
	Groundwater (thousand m ³)	1,448	1,465	
	Municipal water (thousand m ³)	3,277	3,080	
	Total water withdrawal (thousand m ³)	8,560	8,397	
Total volume of water recycled	Total volume of water recycled (thousand m ³)	1,438	1,376	
	A ratio for total water (%)	16.8	16.4	
Total water discharge by quality and destination	Public water body	Total water discharge (thousand m ³)	1,306	1,163
		Average_BOD (mg/L)	3	4
		Average_SS (mg/L)	7	6
	Sewage	Total water discharge (thousand m ³)	5,555	5,334
		Average_BOD (mg/L)	42	49
		Average_SS (mg/L)	24	28

c) Waste: Canon has focused on enhancing technologies for the reuse of resources in a bid to further restrict the generation of actual waste. Our various operational sites employ a range of in-house recycling schemes, including reprocessing waste plastic from injection molding or recycling it for other items.

The following table shows the data for main sites.

(t)

		2021	2022
Waste	All solid waste generated	83,906	88,732
	Discard that have been reduced (from the defined base year:previous year)	-1,669	-4,826
	Discard that have been reused or recycled	72,791	78,311
	Solid waste that is landfilled	2,710	2,365
	Solid waste that sent to waste-to-energy	7,250	7,036
	Solid waste that sent to incineration	1,155	1,020
	Solid waste that sent to other disposal facilities	0	0

d) Toxics: Canon strives to eliminate or reduce hazardous chemical substances used in the manufacturing process. For substances difficult to eliminate or reduce, our policy is to minimize their release into the air or water.

The following table shows the data for main sites.

2022 List of chemical substances subjected to the PRTR Act (Global)

(Unit: kg)

Directive No.	Name	Emissions volume		Transfer volume		
		Atmospheric emissions amount	Public waterway emissions amount	Amount Transferred to sewage system	Amount of waste transferred	Amount of recovered substance transferred
7	n-butyl acrylate	2	0	0	0	15,310
20	2-aminoethanol	179	0	1	57	27,120
31	antimony and its compounds	9	0	0	0	133
53	ethylbenzene	624	0	0	2	20,197
71	ferric chloride	0	0	5,032	0	95,456
80	xylene	8,209	0	0	3,465	141,199
125	monochlorobenzene	95	0	0	98	9,751
128	chloromethane; methyl chloride	5	0	0	0	0
150	1,4-dioxane	346	0	0	0	549
202	Divinylbenzene	0	0	0	0	51
232	N,N-dimethylformamide	229	0	0	0	293
240	styrene	152	0	0	0	53,885
259	Tetraethylthiuram disulfide	0	0	0	0	4
296	1,2,4-trimethylbenzene	472	0	0	2	258
298	tolyene diisocyanate	0	0	0	0	223
299	Toluidine	2	0	0	0	0
300	toluene	4,804	0	0	101	29,373
306	Hexamethylene diacrylate	0	0	0	0	36
308	nickel	228	0	0	3	815
309	nickel compounds	0	2	0	1	1,409
343	pyrocatechol (aka, catechol)	16	0	0	0	3,156
349	phenol	66	0	0	5	63
374	hydrogen fluoride and its water-soluble salts	4	85	6,327	0	20,106
395	water-soluble salts of peroxodisulfuric acid	0	0	55	0	4,379
408	Poly(oxyethylene)(1,1,3,3-tetramethylbutyl)phenyl ether	0	0	0	0	492
412	manganese and its compounds	0	0	0	4	273
438	Methylnaphthalene	40	0	0	0	225
448	methylenebis (4,1-cyclohexylene) diisocyanate	1	0	0	1	5,016

2021 List of chemical substances subjected to the PRTR Act (Global)

(Unit : kg)

Directive No.	Name	Emissions volume		Transfer volume		
		Atmospheric emissions amount	Public waterway emissions amount	Amount Transferred to sewage system	Amount of waste transferred	Amount of recovered substance transferred
7	n-butyl acrylate	3	0	0	0	24,332
20	2-aminoethanol	667	0	1	89	27,461
31	antimony and its compounds	7	0	0	0	89
53	ethylbenzene	945	0	0	18	23,481
71	ferric chloride	0	0	0	0	128,887
80	xylene	6,368	0	0	4,025	162,544
125	monochlorobenzene	137	0	0	159	11,271
128	chloromethane; methyl chloride	4	0	0	0	0
150	1,4-dioxane	214	0	0	0	313
202	Divinylbenzene	0	0	0	0	68
232	N,N-dimethylformamide	183	0	0	0	216
240	styrene	192	0	0	0	78,947
259	Tetraethylthiuram disulfide	0	0	0	0	6
296	1,2,4-trimethylbenzene	185	0	0	1	39
298	tolylene diisocyanate	0	0	0	0	276
299	Toluidine	3	0	0	0	0
300	toluene	6,188	0	0	501	38,330
306	Hexamethylene diacrylate	0	0	0	0	56
308	nickel	460	0	0	65	831
309	nickel compounds	0	2	0	6	1,184
343	pyrocatechol (aka, catechol)	23	0	0	0	3,643
349	phenol	76	0	0	5	90
374	hydrogen fluoride and its water-soluble salts	2	103	5,345	0	16,316
395	water-soluble salts of peroxodisulfuric acid	0	0	42	0	5,438
408	Poly(oxyethylene)(1,1,3,3-tetramethylbutyl)phenyl ether	0	0	0	37	521
412	manganese and its compounds	75	0	0	1	244
438	Methylnaphthalene	33	0	0	0	185
448	methylenebis(4,1-cyclohexylene) diisocyanate	1	0	0	1	7,159