

## 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/vision.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 <sub>2</sub> )	
		2019	2020
Greenhouse Gas Emissions	Scope1	151,504	123,133
	Scope2	891,734	816,973
	Scope1&2	1,043,238	940,106

\* 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.

		2019	2020	
Total water withdrawal by source	Industrial water (thousand m <sup>3</sup> )	3,158	3,108	
	Groundwater (thousand m <sup>3</sup> )	1,493	1,365	
	Municipal water (thousand m <sup>3</sup> )	4,561	3,952	
	Total water withdrawal (thousand m <sup>3</sup> )	9,212	8,426	
Total volume of water recycled	Total volume of water recycled (thousand m <sup>3</sup> )	1,490	1,353	
	A ratio for total water (%)	16.2	16.1	
Total water discharge by quality and destination	Public water body	Total water discharge (thousand m <sup>3</sup> )	1,439	1,152
		Average_BOD (mg/L)	4	7
		Average_SS (mg/L)	12	9
	Sewage	Total water discharge (thousand m <sup>3</sup> )	5,898	5,602
		Average_BOD (mg/L)	46	35
		Average_SS (mg/L)	27	25

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)	
		2019	2020
Waste	All solid waste generated	114,541	82,501
	Discard that have been reduced (from the defined base year:previous year)	3,246	32,040
	Discard that have been reused or recycled	101,794	73,207
	Solid waste that is landfilled	2,725	2,506
	Solid waste that sent to waste-to-energy	8,058	5,570
	Solid waste that sent to incineration	1,965	1,219
	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.

**2020 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	18,269
20	2-aminoethanol	358	0	5	44	13,399
31	antimony and its compounds	4	0	0	0	183
53	ethylbenzene	416	1	0	0	17,842
71	ferric chloride	0	0	0	0	116,080
80	xylene	6,025	2	0	4,022	134,217
125	monochlorobenzene	53	0	0	129	4,152
128	chloromethane; methyl chloride	3	0	0	0	0
150	1,4-dioxane	217	0	0	0	332
202	Divinylbenzene	0	0	0	0	36
232	N,N-dimethylformamide	165	0	0	0	193
240	styrene	202	0	0	0	63,113
259	Tetraethylthiuram disulfide	0	0	0	0	0
296	1,2,4-trimethylbenzene	3,852	1	0	0	5,042
298	tolylene diisocyanate	0	0	0	0	415
299	Toluidine	2	0	0	0	0
300	toluene	5,770	163	0	15	29,720
306	Hexamethylene diacrylate	0	0	0	0	48
308	nickel	11	0	0	320	1,074
309	nickel compounds	0	0	0	8	1,029
343	pyrocatechol (aka, catechol)	26	0	0	0	3,946
349	phenol	71	0	0	3	274
374	hydrogen fluoride and its water-soluble salts	3	4	2,052	0	225
395	water-soluble salts of peroxodisulfuric acid	0	0	42	0	4,664
408	Poly(oxyethylene)(1,1,3,3-tetramethylbutyl)phenyl ether	0	0	0	37	676
412	manganese and its compounds	0	0	0	0	287
438	Methylnaphthalene	47	0	0	0	268
448	methylenebis (4,1-cyclohexylene) diisocyanate	0	0	0	1	8,947

**2019 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	1	0	0	0	25,557
20	2-aminoethanol	181	19	2	18,529	13,598
31	antimony and its compounds	1	0	0	0	141
53	ethylbenzene	499	3	0	2,936	12,834
71	ferric chloride	0	0	0	0	154,708
80	xylene	8,524	4	0	6,025	153,731
125	monochlorobenzene	482	0	0	268	23,621
128	chloromethane; methyl chloride	5	0	0	0	0
150	1,4-dioxane	367	0	0	0	540
202	Divinylbenzene	0	0	0	0	52
232	N,N-dimethylformamide	243	0	0	0	315
240	styrene	200	0	0	0	98,264
259	Tetraethylthiuram disulfide	0	0	0	0	2
296	1,2,4-trimethylbenzene	207	0	0	10	11,312
298	tolylene diisocyanate	0	0	0	0	240
299	Toluidine	3	0	0	0	0
300	toluene	6,587	14	0	1,227	45,391
306	Hexamethylene diacrylate	0	0	0	0	27
308	nickel	1	0	0	2	1,396
309	nickel compounds	0	0	0	15	1,550
343	pyrocatechol (aka, catechol)	19	0	0	0	4,106
349	phenol	82	0	0	1	368
374	hydrogen fluoride and its water-soluble salts	4	50	1,438	0	656
395	water-soluble salts of peroxodisulfuric acid	0	0	753	0	4,365
408	Poly(oxyethylene)(1,1,3,3-tetramethylbutyl)phenyl ether	0	0	0	0	652
412	manganese and its compounds	0	0	0	0	1,117
438	Methylnaphthalene	70	0	0	0	398
448	methylenebis (4,1-cyclohexylene) diisocyanate	1	0	0	0	13,009