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/sustainability/environment/management/basic/index.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/sustainability/environment/management/targets/

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-CO2)

		2022	2023
Greenhouse Gas Emissions	Scope1	159,899	161,639
	Scope2	861,428	754,873
	Scope1&2	1,021,327	916,512

* 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.

			2022	2023
Total water withdrawal by source	Industrial water (thousand m3)		3,853	3,697
	Groundwater (thousand m3)		1,465	1,627
	Municipal water (thousand m3)		3,080	3,339
	Total water withdrawal (thousand m3)		8,397	8,663
Total volume of water recycled	Total volume of water recycled (thousand m^3)		1,376	1,193
	A ratio for total water (%)		16.4	13.8
Total waterdischarge by quality and destination	Publice water body	Total water discharge (thousand m^3)	1,163	1,185
		Average_BOD (mg/L)	4	5
		Average_SS (mg/L)	6	6
	Sewage	Total water discharge (thousand m^3)	5,334	5,659
		Average_BOD (mg/L)	49	45
		Average_SS (mg/L)	28	24

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)

		2022	2023
Waste	All solid waste generated	88,732	85,689
	Discard that have been reduced (from the difined base year:previous year)	-4,826	3,043
	Discard that have been reused or recycled	78,311	74,869
	Solid waste that is landfilled	2,365	1,926
	Solid waste that sent to waste-to-energy	7,036	7,728
	Solid waste that sent to incineration	1,020	1,167
	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.

2023 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	14,579
20	2-aminoethanol	166	0	0	46	22,527
31	antimony and its compounds	3	0	0	0	49
53	ethylbenzene	574	0	0	1,756	19,468
71	ferric chloride	0	0	0	0	0
80	xylene	6,733	0	0	7,523	135,754
125	monochlorobenzene	101	0	0	65	9,923
128	chloromethane; methyl chloride	3	0	0	0	0
150	1,4-dioxane	345	0	0	0	528
202	Divinylbenzene	0	0	0	0	0
232	N,N-dimethylformamide	220	0	0	0	303
240	styrene	110	0	0	0	50,511
259	Tetraethylthiuram disulfide	0	0	0	0	1
296	1,2,4-trimethylbenzene	196	0	0	0	0
298	tolylene diisocyanate	0	0	0	0	178
299	Toluidine	1	0	0	0	0
300	toluene	5,022	0	1	231	32,193
306	Hexamethylene diacrylate	0	0	0	0	0
308	nickel	14	0	0	4	568
309	nickel compounds	0	2	0	4	1,345
343	pyrocatechol (aka, catechol)	21	0	0	0	3,290
349	phenol	4	0	0	1	46
374	hydrogen fluoride and its water-soluble salts	4	59	7,176	0	20,483
395	water-soluble salts of peroxodisulfuric acid	0	0	34	0	3,922
408	Poly(oxyethylene)(1,1,3,3-tetramethylbutyl)phenyl ether	0	0	0	305	333
412	manganese and its compounds	0	0	0	7	231
438	Methylnaphthalene	21	0	0	0	118
448	methylenebis (4,1-cyclohexylene) diisocyanate	0	0	0	1	3,405

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	tolylene 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