

Data Summary

As of December 31, 2022 (Data with different aggregation periods are described in the notes.)

Environment

Data on CO₂

Total GHG Emissions by Scope

	2018	2019	2020	2021	2022
Scope 1	160,520	151,504	122,514	142,655	159,899
Scope 2	930,471	891,734	823,467	917,727	861,428

(t-CO₂)

* Figures for 2021/2022 obtained third party verification.

Data on Energy

Energy Consumption by Region in 2022

	Electricity	Gas	Oil	Other (steam, wide area heating and air conditioning)
Japan	4,875	1,217	308	271
Americas	347	165	6	0
Europe	327	169	309	78
Asia and Oceania (except Japan)	1,650	78	29	63
Total	7,199	1,629	651	412

(TJ)

* Electricity includes the amount generated by renewable energy sources.

* Figures obtained third party verification.

Use of Renewable Energy by Region in 2022

	Electric power (MWh)	Geothermal power (TJ)
Japan	9,150	0
Americas	10,835	0
Europe	71,310	15
Asia and Oceania (except Japan)	3,498	0
Total	94,793	15

Data on Waste

Recovery Volume by Type of Waste in 2022

Type of Waste	Type of Recovery Treatment	Recovery Amount
Paper	Cardboard, paper used by office equipment, toilet paper, raw material for paper products, building board, roadbed materials, etc.	20,108
Plastics	Raw materials for plastic products and other applications, roadbed materials, cement materials, fuels, blast furnace reducing agents, soil improvement agents, etc.	15,014
Metals	Raw materials for metals, roadbed materials, etc.	19,945
Oils, acids and alkalis	Cement materials, fuels, roadbed materials, reuse of oils, chemicals and solvents, etc.	10,943
Sludge	Cement materials, construction materials, aggregates, metal materials, organic fertilizers, compost, etc.	3,870
Wood	Construction boards, bedding for plants, pulp materials, fuels, fertilizers, etc.	5,616
Glass and ceramics	Glass materials, roadbed materials, cement, metal materials, etc.	147
Others	Combustion aid, roadbed materials, soil improvement agents, iron-making materials, metal materials, etc.	10,724
Total		86,367

(t)

Landfill Amount of General Waste Generated by Business Activities

	2018	2019	2020	2021	2022
General landfill waste generated by business activities	2,923	2,725	2,506	2,710	2,365

(t)

* It shows the amount of recycled waste out of the total amount of waste generated.

Atmospheric Emissions

SOx and NOx Emissions

(t)

	2018	2019	2020	2021	2022
SOx	1.1	1	0.8	0.7	0.6
NOx	56.1	52.9	47.9	44.3	41.4

Data on Water Resources

Total Wastewater Discharge

(1,000m³)

	2018	2019	2020	2021	2022
Japan	4,377	4,221	4,083	4,204	4,053
Outside Japan	3,086	3,116	2,671	2,669	2,444

Wastewater Amount by Discharge Route in 2022

(1,000m³)

	Rivers	Sewerage System	Total
Japan	759	3,294	4,053
Outside Japan	404	2,040	2,444
Total	1,163	5,334	6,497

2022 Water Quality Data

(t)

	2022
SS	144
BOD	246

Water Consumption in 2022 by Type

(1,000m³)

	Public Water	Industrial Water	Groundwater	Total
Japan	1,525	2,502	1,217	5,245
Outside Japan	1,554	1,350	248	3,152
Total	3,080	3,853	1,465	8,397

Use of Recycled Water and Recycling Rate in 2022

	Recycled Water (1,000m ³)	Recycling Rate (%)
Japan	1,352	25.8
Outside Japan	24	0.8
Total	1,376	16.4

* Figures obtained third party verification.

Amount of Chemical Substances in 2022

(t)

	Amount
Japan	5,701
Outside Japan	623
Total	6,323

VOC Emissions in 2022

(t)

	VOC Emissions
Japan	122
Outside Japan	177
Total	300

2022 List of Chemical Substances Subjected to the PRTR Act

(kg)

Statutory No.	Name of Substance	Emissions Volume		Transfer Volume		
		Atmosphere	Public Water	Sewerage System	Waste	Waste Recyclables
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	Methyl chloride	5	0	0	0	0
150	1,4-dioxane	346	0	0	0	549
202	Diphenylamine	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	Toluidin	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	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) octylphenyl 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-phenylene) diisocyanate	1	0	0	1	5,016

Environmental Accounting

We quantitatively ascertain the costs of environmental conservation in our business activities, the outcomes of such activities, and the economic effect associated with environmental conservation measures.

Environmental Conservation Costs

(Billions of yen)

Category		Details of Key Activities	2022	
			Investment* ¹	Cost* ²
(1) Business Area Cost			2.49	9.29
Details	1. Pollution Prevention Cost	Air, water and soil pollution prevention, etc.	0.62	4.0
	2. Global Environmental Conservation Cost	Prevention of global warming, energy conservation, efficient logistics, etc.	1.76	2.14
	3. Resource Circulation Cost	Efficient resource use, waste reduction, sorting, recycling, etc.	0.1	3.16
(2) Upstream / Downstream Cost		Green procurement initiatives, product recycling* ³ , etc.	0.11	15.75
(3) Administration Cost		Environmental education, environmental management system, tree planting, information disclosure, environmental advertising, personnel, etc.	0.03	4.35
(4) R&D Cost* ⁴		R&D for reducing environmental impact	0.01	0.09
(5) Social Activity Cost		Contributions to organizations, sponsorships, memberships, etc.	0.01	0.24
(6) Environmental Remediation Cost		Soil remediation	0.02	0.05
(7) Other		Other environmental protection-related costs	0	0.02
Total			2.67	29.79

*1 Of total investment in depreciable assets, the amount spent for the purpose of environmental conservation

*2 Of total costs, the amount incurred for the purpose of environmental conservation

*3 In connection with the recycling of used products, expenses for product collection, storage, sorting, shipment, etc.

*4 Expenses for basic research on environmental technologies.

Environmental Conservation Benefit

Details of Benefit		Environmental Protection Indices	
		Index	Index Value (2022)
Benefit Related to Business Area Cost	Benefit related to resources input into business activities	Energy conservation (t-CO ₂)	45,674
	Benefit related to waste or environmental impact originating from business activities	Recycled resources volume (t)	86,367
Benefit Related to Upstream / Downstream Cost	Benefit related to goods and services produced from business activities	Product energy conservation amount (1,000 t-CO ₂)* ⁵	2,580
		Recovery of used products (t)* ⁶	58,841

*5 CO₂ reduction resulting from energy-conservation technologies in electrographic multifunction devices and laser printers.

*6 Amount of recovered copying machines, cartridges, etc. (including outsourced material recycling and thermal recovery).

Economic Benefit Associated with Environmental Conservation Activities

(Billions of yen)

Details of Benefit		2022
Revenue	Sales revenue from waste recycling	4.08
Cost Reduction	Reduction in energy costs from energy conservation* ⁷	2.34
	Reduction from green procurement	0
	Reduction in waste handling costs from resource conservation and recycling* ⁸	2.23
Total		8.65

*7 Reduction in power purchasing costs, etc., due to introduction of new equipment and energy conservation measures.

*8 Reduction in external waste handling consignment costs due to introduction of new equipment and measures contributing to resource conservation, as well as gains on sales due to conversion of waste into recyclable materials, etc.

Benefit of Upstream / Downstream Costs

(Billions of yen)

Details of Benefit	2022
Lower energy costs from reduced product energy consumption* ⁹	76.0
Profit from used product recycling	9.51

*9 Calculated as the reduction in energy consumption of electrographic multifunction devices and laser printers (excluding production printers) × 12 yen/kWh (economic effect for the customer).

List of ISO14001 Certified Sites and Subsidiaries (Canon Group Consolidated)

Name	Location
Canon Inc. (1 company, 14 operational sites)	
Headquarters (Shimomaru)	Tokyo
Yako Office	Kanagawa
Kawasaki Office	Kanagawa
Tamagawa Office	Kanagawa
Kosugi Office	Kanagawa
Hiratsuka Plant	Kanagawa
Ayase Plant	Kanagawa
Fuji-Susono Research Park	Shizuoka
Utsunomiya Plant	Tochigi
Toride Plant	Ibaraki
Ami Plant	Ibaraki
Utsunomiya Optical Products Plant	Tochigi
Optics R&D Center	Tochigi
Oita Plant	Oita
Marketing Headquarters in Japan (1 company)	
Canon Marketing Japan Inc.	Tokyo
Manufacturing Subsidiaries in Japan (23 companies)	
Canon Electronics Inc.	Saitama
Canon Finetech Nisca Inc.	Saitama
Fukui Canon Materials Inc.	Fukui
Top Business Machines Co., Ltd.	Shiga
Canon Precision Inc.	Aomori
Canon Chemicals Inc.	Ibaraki
Oita Canon Inc.	Oita
Miyazaki Canon Inc.	Miyazaki
Canon Optron, Inc.	Ibaraki
Canon Components, Inc.	Saitama
Nagahama Canon Inc.	Shiga
Oita Canon Materials Inc.	Oita
Canon Semiconductor Equipment Inc.	Ibaraki
Canon Ecology Industry Inc.	Ibaraki
Ueno Canon Materials Inc.	Mie
Fukushima Canon Inc.	Fukushima
Canon Mold Co., Ltd.	Ibaraki
Canon ANELVA Corporation	Kanagawa
Canon Machinery Inc.	Shiga
Canon Tokki Corporation	Niigata
Nagasaki Canon Inc.	Nagasaki
Canon Medical Systems Corporation	Tochigi
Canon Electron Tubes & Devices Co., Ltd.	Tochigi

Name	Location
Manufacturing Subsidiaries Outside Japan (21 companies)	
Canon Virginia, Inc.	U.S.A.
Canon Environmental Technologies, Inc.	U.S.A.
Canon Giessen GmbH	Germany
Canon Bretagne S.A.S.	France
Canon Inc., Taiwan	Taiwan
Canon Opto (Malaysia) Sdn. Bhd.	Malaysia
Canon Electronics (Malaysia) Sdn. Bhd.	Malaysia
Canon Hi-Tech (Thailand) Ltd.	Thailand
Canon Dalian Business Machines, Inc.	PRC
Canon Medical Equipment (Dalian) Co., Ltd.	PRC
Canon Vietnam Co., Ltd.	Vietnam
Canon Zhongshan Business Machines Co., Ltd.	PRC
Canon (Suzhou) Inc.	PRC
Canon Finetech Nisca (Shenzhen) Inc.	PRC
Canon Machinery (Malaysia) Sdn. Bhd.	Malaysia
Canon Prachinburi (Thailand) Ltd.	Thailand
Canon Business Machines (Philippines), Inc.	Philippines
Canon Production Printing Netherlands B.V.	The Netherlands
Canon Production Printing Germany G.m.b.H. & Co. KG	Germany
Canon Electronics Vietnam Co., Ltd.	Vietnam
Canon Electronic Business Machines (H.K.) Co., Ltd.	Hongkong
Marketing Headquarters Outside Japan (6 companies)	
Canon U.S.A., Inc.	U.S.A.
Canon Europe Ltd.	United Kingdom
Canon Europa N.V.	The Netherlands
Canon (China) Co., Ltd.	PRC
Canon Singapore Pte. Ltd.	Singapore
Canon Australia Pty. Ltd.	Australia

Other companies with ISO 14001 certification (68 companies)

In Japan (18)
Outside Japan (50)

* Environmental data (except CO₂ emissions from 2021 onwards) refer to 120 ISO14001-certified companies and one non-certified company(Axis Communications AB). However, environmental accounting excludes some sites whose impact on the total is small.

Society

Hiring and Treatment of Human Resources

Number of Canon Group Employees

	2018	2019	2020	2021	2022
Japan	73,460	72,979	72,338	70,924	69,455
Male	-	-	-	-	55,454
Female	-	-	-	-	14,001
Other	-	-	-	-	0
Americas	18,361	18,207	15,307	15,066	15,771
Male	-	-	-	-	10,633
Female	-	-	-	-	5,131
Other	-	-	-	-	7
Europe	25,281	23,126	22,578	22,363	22,214
Male	-	-	-	-	15,591
Female	-	-	-	-	6,553
Other	-	-	-	-	70
Asia and Oceania	77,954	72,729	71,674	75,681	73,335
Male	-	-	-	-	32,391
Female	-	-	-	-	40,944
Other	-	-	-	-	0
Total	195,056	187,041	181,897	184,034	180,775
Male	-	-	-	-	114,069
Female	-	-	-	-	66,629
Other	-	-	-	-	77

Number of Canon Group Employees by Employment Type (Gender)

		Male	Female	Other	Total
Regular Employees	Full time	104,843	57,822	62	162,727 (90.0%)
	Part Time	1,281	1,587	12	2,880 (1.6%)
Non-regular Employees	Full time	7,869	6,982	3	14,854 (8.2%)
	Part Time	76	238	0	14,854 (8.2%)

* () Percentage of total employees

Number of Canon Group Employees by Employment Type (Region)

		Japan	Americas	Europe	Asia and Oceania	Total
Regular Employees	Full time	68,388	15,591	19,462	59,286	162,727
	Part Time	403	110	2,061	306	2,880
Non-regular Employees	Full time	488	33	613	13,720	14,854
	Part Time	176	37	78	23	314

Breakdown of Employees (Canon Inc.)

		2018	2019	2020	2021	2022
Total number of employees		25,891	25,740	25,713	25,377	24,717
By gender	Male	21,794	21,631	21,534	21,215	20,573
	Female	4,097	4,109	4,179	4,162	4,144
By age group	Under 30	2,938	2,997	3,116	3,072	2,897
	30s	6,462	5,906	5,507	5,021	4,658
	40s	7,218	7,225	7,243	7,196	7,120
	50s	7,991	8,119	8,158	8,153	7,769
	60 and over	1,282	1,493	1,689	1,935	2,273

Number of New Hires and Employees Leaving the Company (Canon Inc.)

		2018	2019	2020	2021	2022
Newly hired employees	Male	520	540	548	305	271
	Percentage of male	78.5%	79.2%	76.4%	83.1%	74.2%
	Female	142	142	169	62	94
	Percentage of female	21.5%	20.8%	23.6%	16.9%	25.8%
	Total	662	682	717	367	365
Employees voluntarily leaving the company/ Voluntary turnover rate	Employees voluntarily leaving the company	409	491	462	448	474
	Voluntary turnover rate	1.6%	2.0%	1.9%	1.9%	2.0%

Ratio of Internationalization in Canon Group Companies Outside Japan

	Americas	Europe	Asia (excluding Japan)
Presidents	33	86	27
Managers	90	93	89

(%)

* Share of non-Japanese appointed as presidents and managers.
* Survey targeting major marketing companies in each region

Average service years(Canon Inc.)

	2018	2019	2020	2021	2022
Male	19.5	19.5	19.5	19.8	19.9
Female	19.3	19.5	19.3	19.6	19.6
Percentage difference in average employment years for female to male employees	-1.0%	0.0%	-1.0%	-1.0%	-1.5%

(year)

Comparison of Canon's Minimum Wage to Local Minimum Wage

		Japan	U.S.	China
Local minimum monthly wage		160,800 yen	1,907 dollars	2,030 renminbi
Canon	Standard minimum monthly wage	170,300 yen	2,444 dollars	2,747 renminbi
	Ratio compared to local minimum wage	106%	128%	135%

* Figures represent wages for leading manufacturing companies in each region, not average wages.

Base Salary and Total Salary per Employee by Gender (Canon Inc.)

		Female : Male
Base pay	Management	100 : 105
	Non-management employees	100 : 117
Total pay	Management	100 : 106
	Non-management employees	100 : 125

* Figures represent wages for leading manufacturing companies in each region, not average wages.

Annual Hours Worked per Employee (Canon Inc.)

	2018	2019	2020	2021	2022
Total hours worked	1,737	1,725	1,720	1,745	1,740

* Regular/post-retirement employee survey data (Canon Inc.)

* 2020 includes managers' overtime hours

Percentage of Employee Membership in the Canon Workers' Union

	2018	2019	2020	2021	2022
Canon Inc.	81	80	80	79	80
Key Group companies in Japan*	85	84	83	82	83

* 18 member unions of the Canon Group Workers' Union Conference

Diversity and Inclusion

Ratio of Female Employees by Position (Canon Inc.)

	2018	2019	2020	2021	2022
Employees	15.8	16.1	16.5	16.6	16.8
Managers	2.6	2.9	3.0	3.3	3.6
Executives	4.2	3.9	4.2	4.0	3.8

Ratio of Female Employees across Canon Group

	Japan	Americas	Europe	Asia and Oceania
Employees	14,001	5,131	6,553	40,944
Percentage of employees	20.2%	32.5%	29.5%	55.8%
Managers	242	356	230	330
Percentage of managers	3.5%	26.8%	24.2%	29.3%

* Managers: global numbers and ratio for principal Group companies

Breakdown of Executives (Canon Inc.)

	2018	2019	2020	2021	2022	
By gender	Male	46	49	46	48	50
	Female	2	2	2	2	2

Composition of Executives by Age (Canon Inc.)

		50s	60s	70s	80s
By gender	Male	11	32	5	2
	Female	2	0	0	0

Number of Employees Taking Childcare and Nursing Care Leave (Canon Inc.)

	2018	2019	2020	2021	2022
Taking childcare leave	214	255	299	357	388
Male	76	119	178	242	296
Female	138	136	121	115	92
Using reduced work hours for childcare	130	138	120	119	100
Male	9	15	9	18	7
Female	121	123	111	101	93
Taking maternity leave	29	22	21	16	6
Working reduced hours due to pregnancy	4	4	6	0	0
Taking nursing care leave	14	19	19	15	25
Using reduced work hours for nursing care	5	5	11	4	13
Applications for Fertility Treatment Subsidy Program	208	211	199	182	132

* Number of employees in that year using the system for the first time.

Return/Retention Rates and Number of Employees Returning from Childcare/Nursing Care Leave (Canon Inc.)

		2018	2019	2020	2021	2022
Returning from Childcare Leave	Number of returning employees	210	216	282	368	383
	Male	79	81	153	242	274
	Female	131	135	129	126	109
	Return rate (%)	99	99	99	99	99
	Male	96	97	97	98	98
	Female	100	99	100	99	97
Returning from Nursing Care Leave	Retention rate (%)	98	95	98	98	98
	Number of returning employees	14	19	16	11	23
	Return rate (%)	88	83	94	100	100

* Retention rate: (The total number of employees who are registered as of 12 months after returning from childcare leave) ÷ (The total number of employees who returned to work from childcare leave during a previous report period) × 100.

Number and Percentage of Employees with Disabilities at Canon Inc. and Key Group Companies in Japan

	2018	2019	2020	2021	2022
Employees	886	929	943	1,063	1,057
Percentage of employees (%)	2.22	2.30	2.34	2.39	2.44

* As of June 1 each year

Occupational Safety and Health Management

Numbers and Frequency of Occupational Accidents (Canon Inc., Key Group Companies in Japan)*1

	2018	2019	2020	2021	2022
Accidents requiring time off work	33	26	31	16	21
Accidents not requiring time off work	130	114	112	96	78
Frequency rate*2 (%)	0.26	0.20	0.26	0.13	0.19
Severity rate*3 (%)	0.009	0.005	0.005	0.002	0.003
Frequency rate for the manufacturing industry (%)	1.20	1.20	1.21	1.31	—*4
Severity rate for the manufacturing industry (%)	0.10	0.10	0.07	0.06	

*1 Calculated for three Group companies in 2018, and four Group companies in 2019.

*2 The prevalence of occupational fatalities and injuries per 1 million working hours.

*3 The degree of the disaster with the labor loss days per 1,000 total of working hours.

*4 The data for the year ended December 2022 not published as of April 2023

Sociocultural Support Activities

Expenditure on Social Contribution Activities

(Billions of yen)

	2022
Expenditure on social contribution activities	Approx. 1.8

* Canon Inc. and key consolidated Group companies