

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

★The figure of each item verified by a third party (P128) is shown in ().

Earth

Greenhouse gas (GHG) emissions: Global^{*4*5*6*7}

(Thousand t-CO₂e)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
Scope 1 (direct emissions) ^{*1}	137	135	119	96	95 (71) ★
Scope 2 (indirect emissions) ^{*2}	587	537	506	438	438 (379) ★
Scope 3 (other indirect emissions) ^{*3}	35,954	37,027	36,336	31,603	29,797
Total	36,678	37,699	36,960	32,137	30,330

Greenhouse gas (GHG) emissions (Scope 1 and 2) By region: Global^{*4*5*7*8}

(Thousand t-CO₂e)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
In Japan	595	554	509	430	426
Overseas	130	118	116	104	107
Total	724	672	625	534	533 (449) ★

Scope of coverage

• Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies^{*9} and five overseas equity-method Group companies

Scope of third-party verification

(Scope 1 and 2 CO₂ emissions from energy consumption)

• Mazda Motor Corporation's four domestic production sites and five overseas production companies (two consolidated Group companies and three equity-method Group companies)

Greenhouse gas (GHG) emissions (Scope 3: other indirect emissions) : Global^{*6*7}

(Thousand t-CO₂e)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
1 Purchased products/services	4,518	4,524	4,570	3,600	3,374
2 Capital goods	59	93	95	93	149
3 Fuel- and energy-related activities not included in Scope 1 or 2	85	65	111	97	99 (99) ★
4 Upstream transportation and distribution	27	29	30	26	27
5 Waste generated in operations	4.6	4.7	4.4	3.8	3.4 (3.4) ★
6 Business travel	11	1.6	2.2	0.3	0.5 (0.5) ★
7 Employee commuting ^{*10}	3.2	3.4	5.2	4.9	14 (14) ★
8 Upstream leased assets	0	0	0	0	0
9 Downstream transportation and distribution	41	44	63	54	52
10 Processing of sold products	0	0	0	0	0
11 Use of sold products	30,799	31,853	31,068	27,386	25,777
12 Disposal of sold products	406	409	387	338	301
13 Downstream leased assets	0	0	0	0	0
14 Franchises	0	0	0	0	0
15 Investments	0	0	0	0	0
Total	35,954	37,027	36,336	31,603	29,797

Scope of coverage

- Categories 1, 2, 6 and 7: Mazda Motor Corporation
- Category 3: Mazda Motor Corporation's four domestic production sites and five overseas production companies (two consolidated Group companies and three equity-method Group companies)
- Categories 4 and 9: Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies
- Category 5: Mazda Motor Corporation's four domestic production sites
- Categories 8, 10, 13, 14 and 15: Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies^{*9} and five overseas equity-method Group companies
- Categories 11 and 12: Domestic and major sales regions (North America, Europe and China)

Scope of third-party verification

- Category 3: Mazda Motor Corporation's four domestic production sites and five overseas production companies (two consolidated Group companies and three equity-method Group companies)
- Category 5: Mazda Motor Corporation's four domestic production sites
- Categories 6 and 7: Mazda Motor Corporation

*1 Scope 1: Direct emissions from consumption of fuels and industrial processes

*2 Scope 2: Emissions associated with consumption of purchased heat/electricity (indirect emissions from energy consumption)

*3 Scope 3: Other indirect emissions excluding Scope 1 and 2

*4 Energy consumption and greenhouse gas emissions are calculated using the energy conversion factor and carbon emission factor based on the standards of the Japan Automobile Manufacturers Association, Inc. (JAMA) (Carbon Neutrality Action Plan).

*5 CO₂ emissions resulting from power consumption by overseas companies are calculated by applying the factor shown in the IEA Emission Factors 2019 issued by International Energy Agency (IEA).

*6 Calculated using Mazda's own calculation method, based on the Ministry of the Environment's Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain.

*7 Figures for consolidated Group companies and equity-method Group companies are prorated based on the percentage equity stake held by Mazda.

*8 The total figure is rounded and may not match the sum of individual items.

*9 FY March 2018 and FY March 2019: 15 companies; FY March 2020: 14 companies; FY March 2021: 15 companies; FY March 2022: 16 companies

*10 The factor used to calculate emissions was changed from FY March 2022 results.

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

★The figure of each item verified by a third party (P128) is shown in ().

Earth

GHG emissions intensity (Scope1 and 2): Global¹⁺²⁺³⁺⁴⁺⁵

On unit sales basis (t-CO₂e/100 million yen)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
20.8	18.9	18.2	18.5	17.1

Scope of coverage

•Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies⁶ and five overseas equity-method Group companies

Energy consumption (by type): Global³⁺⁵

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
Electricity	9,757	9,398	9,063	7,835	7,755
Fuel oil A	27	32	30	26	21
Fuel oil B	0	0	0	0	0
Fuel oil C	6	5	3	10	1
Kerosene	44	29	26	20	21
Diesel	55	42	42	38	38
Gasoline	69	68	67	54	62
LPG	115	115	110	116	97
City gas	1,406	1,305	1,160	967	1,020
Coal	0	0	0	0	0
Coke	342	379	320	205	197
Industrial steam	1,257	1,173	1,157	1,065	1,067
Total	13,078	12,548	11,977	10,337	10,278 (8,789)★

Scope of coverage

•Energy consumption within the premises of Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies⁶ and five overseas equity-method Group companies

Scope of third-party verification

•Energy consumption within the premises of Mazda Motor Corporation's four domestic production sites and five overseas production companies (two consolidated Group companies and three equity-method Group companies)

Amount of electricity generated from renewable energy (by region): Global⁵

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
In Japan	86	87	101	89	1,297
Overseas	0	0	0	60	2,656
Total	86	87	101	149	3,953

Scope of coverage

•Amount of renewable energy generated and consumed within the premises of Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies⁶ and five overseas equity-method Group companies

CO₂ emissions from logistics: Mazda Motor Corporation⁷⁺⁸ (Thousands of t-CO₂)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
68.1	73.7	69.1	59.3	58.6

Scope of coverage

•Mazda Motor Corporation

*1 Scope 1: Direct emissions from consumption of fuels and industrial processes

*2 Scope 2: Emissions associated with consumption of purchased heat/electricity (indirect emissions from energy consumption)

*3 Energy consumption and greenhouse gas emissions are calculated using the energy conversion factor and carbon emission factor based on the standards of the Japan Automobile Manufacturers Association, Inc. (JAMA) (Carbon Neutrality Action Plan).

*4 CO₂ emissions resulting from power consumption by overseas companies are calculated by applying the factor shown in the IEA Emission Factors 2019 issued by International Energy Agency (IEA).

*5 Figures for consolidated Group companies and equity-method Group companies are prorated based on the percentage equity stake held by Mazda.

*6 FY March 2018 and FY March 2019: 15 companies; FY March 2020: 14 companies; FY March 2021: 15 companies; FY March 2022: 16 companies

*7 The total amount of CO₂ emissions generated by the transportation of completed vehicles, production procurement parts, and service parts.

*8 CO₂ emissions from logistics are calculated using factors such as the "Joint Guidelines for Calculating CO₂ Emissions in the Logistics Sector" issued by the Ministry of Economy, Trade and Industry (METI) and the Ministry of Land, Infrastructure, Transport and Tourism (MLIT).

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

★The figure of each item verified by a third party (P128) is shown in ().

Earth

Consumption of raw materials (steel, aluminum, etc.): Mazda Motor Corporation

(Thousands of t)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
953	971	938	721	700

Scope of coverage

•Mazda Motor Corporation's four domestic production sites

Total amount of waste (by region): Global^{*1}

(t)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
In Japan	270,718	265,392	242,108	188,205	180,569 (16,579)★
Overseas	47,168	42,868	38,828	32,589	32,259
Total	317,886	308,260	280,936	220,793	212,828

Amount of landfill waste, amount of recycled materials, recycling ratio: Global^{*1} (t)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
Amount of landfill waste	1,902	1,422	1,619	1,144	1,073
Amount of recycled materials	298,270	289,019	264,702	208,331	202,006
Recycling ratio	94%	94%	94%	94%	95%

Scope of coverage

•Mazda Motor Corporation's four domestic production sites and the production sites of four domestic consolidated Group companies and four domestic equity-method Group companies and two overseas consolidated Group companies and four overseas equity-method Group companies

Scope of third-party verification

•Industrial waste emissions from Mazda Motor Corporation's four domestic production sites

Amount of recycled parts: In Japan

(Bumpers)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
Damaged bumpers	63,852	62,920	57,126	46,515	47,939

Scope of coverage

•Dealerships (excluding some) with which Mazda has an exclusive dealership agreement in Japan

Consumption of wrapping and packaging materials: Mazda Motor Corporation^{*2} (t)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
28.6	31.0	29.7	20.3	21.6

Scope of coverage

•Mazda Motor Corporation

^{*1} Figures for consolidated Group companies and equity-method Group companies are prorated based on the percentage equity stake held by Mazda.

^{*2} Total materials used for packaging and wrapping of parts procured for production from Japan to overseas plants and for repair parts for domestic and overseas markets.

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

★The figure of each item verified by a third party (P128) is shown in ().

Earth

Water withdrawal amount (by region): Global**2 (1,000 m³)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
In Japan	8,170	8,021	7,576	6,659	6,424 (4,558)★
Overseas	1,237	1,282	1,051	976	949
Total	9,406	9,303	8,627	7,635	7,373

Water withdrawal amount (by water source): Global**2 (1,000 m³)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
Water for industrial use	7,623	7,531	7,126	6,148	5,870
Clean water	1,237	1,214	1,149	1,079	962
Subsurface water	527	535	329	386	514
Lake water	19	22	23	21	27
River water	1	1	1	1	1
Total	9,407	9,303	8,628	7,635	7,374

Scope of coverage

•Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies, and 16 overseas consolidated Group companies*3 and five overseas equity-method Group companies

Scope of third-party verification

•Mazda Motor Corporation's four domestic production sites

Wastewater (by region): Global (1,000 m³)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
In Japan	7,090	7,133	6,580	5,874	5,517
Overseas*4	-	-	805	668	770
Total	7,090	7,133	7,385	6,542	6,287

Scope of coverage

•Mazda Motor Corporation and production sites of domestic production companies (four consolidated Group companies and four equity-method Group companies) and overseas production companies (two consolidated Group companies and four equity-method Group companies)

*1 Figures for consolidated Group companies and equity-method Group companies are prorated based on the percentage equity stake held by Mazda.

*2 The total figure is rounded and may not match the sum of individual items.

*3 FY March 2018 and FY March 2019: 15 companies; FY March 2020: 14 companies; FY March 2021: 15 companies; FY March 2022: 16 companies

*4 Data not available for FY March 2018 and FY March 2019.

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

Earth

NOx emissions and SOx emissions: In Japan*1

(t)

	FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
NOx	304	334	326	292	301
SOx	104	106	103	97	94

Scope of coverage

- Production sites of Mazda Motor Corporation, four domestic consolidated Group companies and four domestic equity-method Group companies

VOC waste emissions: Mazda Motor Corporation

(Thousands of t)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
2,582	2,394	2,225	1,664	1,536

Scope of coverage

- Body-painting lines of Mazda Motor Corporation's Hiroshima Plant and Hofu Plant (Nishinoura District)

Emissions of PRTR-listed substances: In Japan*1

(t)

FY March 2018	FY March 2019	FY March 2020	FY March 2021	FY March 2022
1,192	981	876	726	711

Scope of coverage

- Mazda Motor Corporation, 22 domestic consolidated Group companies and eight domestic equity-method Group companies

*1 Figures for consolidated Group companies and equity-method Group companies are prorated based on the percentage equity stake held by Mazda.

Data | Major Product Lineup | Corporate Profile / Global Network | History of Mazda | Third-Party Verification | Third-Party Assurance

Earth

Environmental Protection Costs

(million yen)

Category	Major activities	Mazda unconsolidated			Mazda Group			
		Investment	Cost	Total	Investment	Cost	Total	
Business area	Preventing pollution	Conforming to legal limits for air and water pollution, odor abatement, etc						4,716
	Protecting the global	Preventing global warming, conserving energy, preventing destruction of the ozone layer, and other environmental protection activities						7,500
	Recycling resources	Effective resource use, recycling waste, processing and disposing of waste						4,620
Upstream/downstream	Container recovery, recovery of end-of-life vehicle bumpers						152	
Management activity	Employee environmental education, creating and operating environmental management systems, monitoring and measurement of environmental impact, other activities						1,653	
Research and development	R&D for products, production methods and distribution, to contribute to reduced environmental impact						47,950	
Social activities	Greening, beautification, and environmental improvement; support of community residents and organizations; information disclosure; and other activities						91	
Environmental damage	-						238	
Total		9,145	51,462	60,607	10,119	56,802	66,920	

Environmental Accounting

Mazda is carefully assessing the costs and benefits of its environmental activities and is working constantly to improve their efficiency.

Data collection period: April 2021 through March 2022

Basis of data collection: Calculated according to Mazda's own guidelines in line with Environmental Accounting Guidelines.

Boundary of data collection: Mazda Motor Corporation, 21 domestic consolidated Group companies and 16 overseas consolidated Group companies, and eight domestic equity-method Group companies and five overseas equity-method Group companies

*The total figure is rounded and may not match the sum of individual items.

Overall Environmental Protection Effects

Category			Mazda unconsolidated		Mazda Group	
			Environmental protective effect	Economic effect (million yen)	Economic effect (million yen)	
Protecting the global environment	Global warming prevention	Production	CO ₂ emissions volume (on unit sales basis)	14.9 t-CO ₂ /100 million yen	-	-
		Distribution	Annual shipping volume	454,870 thousand (ton-km/year)	-	-
Recycling resources	Effective use of resources, recycling	Shell sand		9,180 t (year)	26	1,237
		Steel scrap		17,913 t (year)	1,211	
Upstream/downstream	Product recycling	Number of discarded bumpers collected		47,939 (bumpers/year)	-	20
Other	Sale of items with commercial value	Metals		75,110 t (year)	2,667	2,694
		Paint thinner, effluent		569 t (year)		
		Empty drums, wheels, discarded tires		15,298 (units/year)	27	
		Recovered sand, plastics, cardboard scraps		5,260 t (year)		
Total					3,931	3,951