

Non-financial Data

All of the Bridgestone Group's environmental data and a portion of its social data in FY2021 are verified by LRQA Limited (LRQA), a third-party institution, to ensure the accuracy and transparency of this information. See the Bridgestone Group's ESG Data online for complete information including GRI-listed items for each data.

LEGEND FY2021 data items in **bold** are those for which assurance is provided by LRQA.
FY2021 data items in *italic* are those reviewed through the verification processes by LRQA.

Environment-related Data ¹	FY2017	FY2018	FY2019	FY2020	FY2021	Unit
Materials						
Amount of raw materials used	5,047	5,233	5,051	4,150	4,611	thousand tonnes
Resource productivity²	723 (6.40)	698 (6.29)	698 (6.37)	722 (6.98)	704 (6.12)	JPY thousand/tonnes (USD thousand/tonnes)
Ratio of recycled and renewable material³	—	—	—	37	37	%
(Ratio of renewable material)³	—	—	—	26	26	%
(Ratio of recycled material)³	—	—	—	11	11	%
Energy						
Total energy consumption⁴	45,838	46,014	45,002	38,311	42,726	thousand GJ
Energy consumption (fuel)⁵	26,932	26,881	26,192	22,032	24,668	thousand GJ
Energy consumption (purchased electricity)	4,802	4,929	4,852	4,192	4,654	thousand MWh
Energy consumption (purchased steam)	1,630	1,429	1,382	1,191	1,248	thousand GJ
<i>Energy consumption per unit of sales</i>	1,258 (1,422)	1,261 (1,412)	1,276 (1,398)	1,279 (1,324)	1,316 (1,514)	GJ/JPY 100 million (GJ/USD million)
Renewable energy ratio (electricity)⁶	—	4.3	4.7	11.1	16.3	%
Total energy consumption (renewable)	—	885	953	1,767	2,847	thousand GJ
Total energy consumption (non-renewable)	—	45,130	44,049	36,545	39,879	thousand GJ
Water and Effluents						
Total water withdrawal⁷	68,685	71,303	68,303	63,744	66,744	thousand m ³
Water withdrawal (surface water)	3,258	2,926	3,131	2,856	2,729	
Water withdrawal (groundwater)	10,192	10,312	9,708	8,480	9,086	
Water withdrawal (water supply, industrial water)	18,810	18,384	17,619	16,137	17,249	
Water withdrawal (seawater)	36,426	39,681	37,844	36,271	37,678	
Total water withdrawal by manufacturing facilities in water stress areas⁸	3,450	3,495	3,208	2,873	2,981	

¹ Data represents all Bridgestone Group facilities for the period of January 1 – December 31 for each year referenced. Part of the data includes estimated figures.

² Sales per raw material used.

³ Within total material weight for tire products including tire casing for retreading.

⁴ Calculated by "fuel consumption + purchased electricity + purchased steam + solar power generation, etc. - electricity sold".

⁵ Includes fuels used for in-house power generation.

⁶ Calculated by "(purchased electricity from renewable sources + self-generated renewable electricity)/(purchased electricity + self-generated renewable electricity - electricity sold)".

⁷ Water withdrawal does not include the recycled water from a third party and rainwater.

⁸ Manufacturing facilities that have water-related risks due to the locations with the risk of deterioration of fresh water resources in terms of quantity and quality.

Environment-related Data ¹	FY2017	FY2018	FY2019	FY2020	FY2021	Unit
Emissions						
Greenhouse gas emissions (CO ₂ Scope 1)	1,871	1,868	1,807	1,504	1,722	thousand t-CO ₂
Greenhouse gas emissions (CO ₂ Scope 2, market-based)	2,327	2,263	2,139	1,659	1,664	thousand t-CO ₂
Greenhouse gas emissions (CO ₂ , Scope 1 + Scope 2, market-based)	4,197	4,131	3,946	3,162	3,387	thousand t-CO ₂
Greenhouse gas emissions (Scope 3) ⁹	120,410	125,110	110,378	100,097	113,421	thousand t-CO ₂
NOx emissions ¹⁰	2,055	2,041	1,969	1,629	1,839	tonnes
SOx emissions ¹⁰	1,141	937	850	603	588	tonnes
Waste						
Volume of waste generated ¹¹	303	352	359	289	293	thousand tonnes
Volume of recycled waste	274	311	308	259	277	thousand tonnes
Recycling waste rate	90	88	86	90	95	%
Volume of waste to landfill	30	41	52	30	16	thousand tonnes
Volume of regulated hazardous waste generated ¹²	—	20	21	19	20	thousand tonnes
Environmental Management						
Sites with ISO 14001 certification ¹³	98.7	98.7	98.1	98.0	99.3	%

⁹ Category 8, 13 and 15 are excluded from the 15 categories in Scope 3 of the GHG protocol. Due to a partial change in the calculation method, the figures have been updated from those disclosed in the past.

¹⁰ Emissions from combustion of fossil fuels estimated based on fuel consumption data and corresponding emission factors.

¹¹ Total volume of waste including non-hazardous waste and regulated hazardous waste.

¹² Calculated based on the laws of each country.

¹³ Within 139 sites that are targeted for ISO 14001 certification (As of December 31, 2021).

Social-related Data		FY2017	FY2018	FY2019	FY2020	FY2021	Unit
Number of Employees ¹	Total	142,669	143,509	143,589	138,036	135,636	persons
	Japan	28,375	28,793	29,544	29,701	29,223	
	Americas	59,750	58,998	57,054	53,204	52,460	
	Europe, Russia, Middle East, India and Africa	17,510	17,637	18,501	21,935	21,298	
	China, Asia Pacific	37,034	38,081	38,490	33,196	32,655	

¹ Data as of December 31 for each year referenced.

Social-related Data	Region/SBU	Total	Top mgmt. positions ²	Mgmt. positions ³	Junior mgmt. positions ⁴	Total mgmt. positions	Other staff and positions	Unit
Female Ratio ¹	Japan SBU	10.6	1.0	2.4	3.5	2.9	12.2	%
	Bridgestone Corporation	8.8	0.0	2.4	2.4	2.4	9.8	
	Americas SBU	12.1	26.9	23.4	9.2	13.2	12.0	
	Europe, Russia, Middle East, India and Africa SBU	11.8	19.1	18.8	20.4	20.0	11.0	
	China, Asia Pacific SBU	9.4	11.9	17.0	23.7	22.5	8.5	

¹ Data as of December 31, 2021 from 125,479 employers and employees (92.3% of total workforce). The Bridgestone Group's female ratio is verified by LRQA Limited, a third-party institution, to ensure the accuracy and transparency of this information.

² Management positions with a reporting line no more than two levels below the CEO in each company.

³ All managerial position excluding "Top management positions" and "Junior management positions."

⁴ First-line managers, junior managers and the lowest level of management within a company's management hierarchy.

Social- and Governance-related Data		FY2017	FY2018	FY2019	FY2020	FY2021	Unit
Global Executive Committee Members	Total	16	9	14	11	11	persons
	Number of foreign members	8	5	7	6	6	persons
	Percentage of foreign members	50.0	55.6	50.0	54.5	54.5	%
Executive Officers, Vice Presidents and Senior Officers ¹	Total	52	52	60	51	16	persons
	Number of foreign members	12	10	11	9	5	persons
	Percentage of foreign members	23.1	19.2	18.3	17.6	31.3	%
Product Safety	Sites with ISO 9001 certification ²	99.0	99.3	99.4	100.0	99.2	%
Occupational Safety	Lost-time injury frequency rate of employees and temporary staff	—	—	2.86 ³	2.57	2.75	—
	Lost-time injury frequency rate of contractors	—	—	1.86 ^{3,4}	2.31	0.79	
	Serious injury rate of employees and temporary staff	—	—	0.09	0.04	0.08	
	Serious injury rate of contractors	—	—	0.29 ⁴	0.19	0.11	
	Occupational illness frequency rate of employees and temporary staff	—	—	—	0.50 ⁵	1.32	

Data as of December 31 for each year referenced.

¹ Including officers of Bridgestone subsidiaries.

² Bridgestone requires all manufacturing locations in which it has 50% or more share ratio to achieve ISO 9001 certification.

³ Updated due to revise the scope of data

⁴ The data is for six months from July to December 2019.

⁵ The data is for six months from July to December 2020.