08 Environmental Data

Volume of Energy Input and GHG Emissions

				FY2019 (Baseline)	FY2023	FY2024	FY2025
Volume of energy input [Thousand TJ]		Japan and Overseas		3.0	3.1	2.7	2.7
	Per unit of sales [TJ/hundred million yen]	Japan and Overseas		—	0.99	0.82	0.77
Scope 1+2 energy-related CO_2 emissions [Thousand tCO_2]		Japan and Overseas		146	120	120	121
			Japan	113	96	96	94
			Overseas	33	25	24	27
	Reduction rate [%]	Japan and Overseas		—	−17	−18	−17
	Per unit of sales [tCO_2/hundred million yen]	Japan and Overseas		—	39	36	34
	Scope 1	Japan and Overseas		34	32	31	32
			Japan	28	26	25	24
			Overseas	6	7	7	7
	Scope 2	Japan and Overseas		111	88	88	89
			Japan	84	70	72	70
			Overseas	27	18	17	20
Calculated leakage of HCFCs and HFCs [Thousand tCO_2]		LOTTE CO., LTD		—	0.6	1.1	0.9

Japan: LOTTE CO., LTD. and its Group companies in Japan (Mary Chocolate Co., Ltd., Dari K Co., Ltd.*, Ginza Cozy Corner Co., Ltd.)

Overseas: Major Group companies overseas (THAI LOTTE CO., LTD., LOTTE VIETNAM CO., LTD., PT. LOTTE INDONESIA, and LOTTE Wedel sp. z o.o.)

* Effective April 1, 2026, Dari K Co., Ltd. was merged into LOTTE CO., LTD.

Information on the method, etc. used for calculating energy-related CO_2 emissions is provided on page 27.

			FY2019 (Baseline)	FY2023	FY2024	FY2025
GHG Emissions (Scope 3) [Thousand tCO_2]*1	Japan and Overseas		—	1,018	991	1,021
	Japan		817	774	759	779
		1. Purchased goods and services	541	577	551	571
		2. Capital goods	72	24	29	33
		3. Fuel- and energy-related activities (not included in Scope 1 or 2)	17	19	20	20
		4. Upstream transportation and distribution	56	62	73	74
		5. Waste generated in operations	1	1	1	1
		6. Business travel	0.4	0.5	0.5	0.4
		7. Employee commuting	2	2	2	2
		8. Upstream leased assets	Out of scope as not applicable			
		9. Downstream transportation and distribution	37	46	47	43
		10. Processing of sold products	Out of scope as not applicable			
		11. Use of sold products	Out of scope as not applicable			
		12. End-of-life treatment of sold products*2	90	43	35	34
		13. Downstream leased assets	Out of scope as not applicable			
		14. Franchises	Out of scope as not applicable			
		15. Investments	Out of scope as not applicable			
	Overseas		—	244	232	242

Japan: LOTTE CO., LTD. and its major Group companies in Japan (Mary Chocolate Co., Ltd. and Ginza Cozy Corner Co., Ltd.)

Overseas: Major Group companies overseas (THAI LOTTE CO., LTD., LOTTE VIETNAM CO., LTD., PT. LOTTE INDONESIA, and LOTTE Wedel sp. z o.o.)

*1 Ginza Cozy Corner Co., Ltd. is included in the scope of tabulation as of the results for FY2022. Information on the method, etc. used for calculating GHG emissions is provided on page 28.

*2 Recycling rates of used paper and cardboard have been reflected in calculations for Japan figures since FY2023.

Preventing Pollution

		FY2023	FY2024	FY2025
BOD pollution load [t] (estimated wastewater discharged to rivers)	FY2025 Factories in Japan FY2023–FY2024 Factories of LOTTE CO., LTD.	3	5	6
COD pollution load [t] (estimated wastewater discharged to rivers)		18	19	18
NOx emissions [t]	Factories of LOTTE CO., LTD.	6	4	4
SOx emissions [t]		0	0	0

Circular Economy

				FY2019 (Baseline)	FY2023	FY2024	FY2025
Waste generated by production processes [Thousand t]			Factories in Japan	–	14.9	15.3	15.1
Recycling rate of waste generated by production processes [%]				–	94.5	96.9	97.2
Final disposal volume (landfill volume) [Thousand t]				–	0.002	0.001	0.000
Food Loss and Waste (FLW) generated [Thousand t]			Japan and Overseas	4.1	3.4	3.0	3.2
	Per-unit volume reduction rate [%]			–	–21	–31	–24
Weight of products sold [Thousand t]				–	484	460	432
Procurement volume of product raw materials [Thousand t]				–	300	300	286
	Ingredients			–	226	225	217
	Containers and packaging			–	75	74	68
		Paper		–	55	56	50
		Plastic		–	16	15	15
		Other		–	4	3	3

Factories in Japan: Factories of LOTTE CO., LTD. and its major Group companies in Japan

Japan: LOTTE CO., LTD. and its major Group companies in Japan

Overseas: Major Group companies overseas

Water Resources

				FY2023	FY2024	FY2025
Water withdrawal [Million t]	Japan + Overseas factories			2.9	2.7	2.6
		Japan		2.6	2.5	2.3
			In-city use	0.4	0.4	0.3
			Industrial water	1.2	1.1	0.9
			Well water	1.0	0.9	1.0
		Overseas factories		0.3	0.3	0.3
			In-city use	0.1	0.1	0.1
			Industrial water	0.2	0.2	0.2
			Well water	0.0	0.0	0.0
Water discharge [Million t]	Japan + Overseas factories			2.3	2.3	2.3
		Japan		2.1	2.1	2.0
			Sewerage	0.4	0.4	0.4
			Rivers	1.7	1.7	1.7
			Seas	0.0	0.0	0.0
			Groundwater	0.0	0.0	0.0
		Overseas factories		0.3	0.2	0.3
			Sewerage	0.2	0.1	0.2
			Rivers	0.1	0.1	0.1
			Seas	0.0	0.0	0.0
			Groundwater	0.0	0.0	0.0

Japan: All sites of LOTTE CO., LTD. and factories of its major Group companies in Japan

Overseas factories: Factories of major Group companies overseas