

ROHTO ESG Date Book (Environment)

Date Period: Calculated at the end of each fiscal year.
(Non-consolidated)

Energy Consumption

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Energy Consumption(oil equivalent)	kℓ	8,179	7,930	8,264	9,113	9,796
Total Energy Consumption	GJ	322,235	310,345	326,137	360,005	386,246
Per-Unit Sales	GJ/million yen	3.03	3.07	3.22	3.12	3.00

Electricity

Electricity Consumption	thousand kwh	25,111	24,915	26,055	28,645	30,878
Purchased Electricity	thousand kwh	22,588	17,685	18,543	16,279	11,455
CO ₂ Free Electricity	thousand kwh	0	0	0	5,304	12,269
Self-generated Energy	thousand kwh	2,446	7,153	7,177	6,685	6,779
Renewable Energy	thousand kwh	77	77	335	376	375

Fuel

LPG	m ³	51	130	108	159	160
City Gas	thousand Nm ³	2,072	2,913	3,014	3,073	3,195
Gasoline	L	116,679	58,206	55,670	62,975	53,600
Diesel Oil	L	15,817	13,157	15,073	22,911	25,975

Reduction of Greenhouse Gas Emissions

Greenhouse Gas Emissions

t-CO₂

		FY2019	FY2020	FY2021	FY2022	FY2023
Scope 1		4,739	6,667	7,342	7,388	7,613
Scope 2 (market basis) target		9,218	6,660	6,906	5,936	5,109
Scope 1+2 total		13,957	13,327	14,249	13,324	12,722
Scope 3	Category 1 Purchased goods and services	—	—	125,066	170,659	195,896
	Category 2 Capital goods	—	—	27,126	5,873	13,171
	Category 3 Fuel- and energy-related activities (not included in scope 1 or scope 2)	—	—	2,977	3,199	3,396
	Category 4 Upstream transportation and distribution	—	—	5,248	4,858	4,671
	Category 5 Waste generated in operations	—	—	189	166	142
	Category 6 Business travel	—	—	839	1,800	2,107
	Category 7 Employee commuting	—	—	1,482	1,242	1,284
	Category 8 Upstream leased assets	—	—	560	511	1,062
	Category 9 Downstream transportation and distribution	—	—	1,103	1,211	1,329
	Category 10 Processing of sold products	—	—	NA	NA	NA
	Category 11 Use of sold products	—	—	Not Included in Calculation	Not Included in Calculation	Not Included in Calculation
	Category 12 End-of-life treatment of sold products	—	—	4,104	4,069	4,434.9
	Category 13 Downstream leased assets	—	—	26	28	21.6
	Category 14 Franchises	—	—	NA	NA	NA
	Category 15 Investments	—	—	NA	NA	NA
Scope 3 Total				168,720	193,616	227,516

Greenhouse Gas Emissions

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Scope 1+2 Per-Unit Emission	million t-CO2	0.131	0.132	0.141	0.116	0.099
Scope 3 Per-Unit Emission	million t-CO2	—	—	1.667	1.678	1.765

Water Resource Conservation

Water

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Water Withdrawal	thousand m³	271.0	248.0	263.2	275.7	276.0
Tap Water	thousand m³	113.0	110.0	112.6	126.5	132.3
Ground Water	thousand m³	158.0	138.0	150.5	149.3	143.7
Water Withdrawal Per-Unit	thausond m³ /million yen	2.5	2.5	2.6	2.4	2.1
Water Discharged	thousand m³	—	—	—	273.0	266.6
Water Consumption	thousand m³	—	—	—	53.9	58.5

Waste

Generated waste/Final disposal wastes

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Total generated waste	t	2,746	2,802	2,909	2,456	2,567
Final disposal wastes	t	12	1	1	1	3

Waste by disposal method

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
recycled or reused	t	—	1357.25	1647.58	1512.17	1,866
Landfilled	t	—	0	0	0	0
Incinerated with energy recovery	t	—	1422.73	1200.72	919.6	674
Incinerated without energy recovery	t	—	20.3025	62.6893	22.661	27
Disposal method unknown	t	—	0	0	0	0

Container and Packaging Material Usage

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Plastic packaging	t	—	—	—	—	6,270
Cardboard box	t	—	—	—	—	1,654
Paper packaging	t	—	—	—	—	2,332
Glass packaging	t	—	—	—	—	144
Metal packaging	t	—	—	—	—	40
Total	t	—	—	—	—	10,439

*Packaging materials used during shipping process are included.

Some product plastics are included.

Management of Chemical Substances

Amount of PRTR-listed Chemical Substances Handled

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Boron Compounds	t	15.9	13.7	16.3	14.1	15.3
Ferric Chloride	t	0	0	0	2.1	0

*Substances with a handling volume of 1t or more

Emissions of PRTR-listed Chemical Substances

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Boron Compounds	t	0.2	0.2	0.2	0.2	0.2
Ferric Chloride	t	0	0	0	0	0

Emissions of Nitrogen Oxides (NOx) and Sulfur Oxides (SOx)

	Unit	FY2019	FY2020	FY2021	FY2022	FY2023
Nitrogen Oxides (NOx)	t	—	27.8	24.0	21.5	20.9
Sulfur Oxides (SOx)	t	—	0	0	0	0