

ROHTO ESG Date Book (Environment)

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

Energy Consumption

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Energy Consumption(oil equivalent)	kℓ	7,930	8,264	9,113	9,796	9,318
Total Energy Consumption	GJ	310,345	326,137	360,005	386,246	364,991
Per-Unit Sales	GJ/million yen	3.07	3.22	3.12	3.00	2.67

Electricity

Electricity Consumption	thousand kwh	24,915	26,055	28,645	30,878	32,222
Purchased Electricity	thousand kwh	17,685	18,543	21,584	23,724	25,099
*CO ₂ Free Electricity	thousand kwh	0	0	5,304	12,269	17,307
Self-generated Energy	thousand kwh	7,153	7,177	6,685	6,779	6,688
Renewable Energy	thousand kwh	77	335	376	375	435

Fuel

LPG	m ³	130	108	159	160	111
City Gas	thousand Nm ³	2,913	3,014	3,073	3,195	3,109
Gasoline	L	58,206	55,670	62,975	53,600	46,713
Diesel Oil	L	13,157	15,073	22,911	25,975	25,373

Reduction of Greenhouse Gas Emissions

Greenhouse Gas Emissions

t-CO₂

		FY2020	FY2021	FY2022	FY2023	FY2024
Scope 1		6,667	7,342	7,388	7,613	6,900
Scope 2 (market basis) target		6,660	6,906	5,936	5,109	3,322
Scope 1+2 total		13,327	14,249	13,324	12,722	10,222
Scope 3	Category 1 Purchased goods and services	—	125,066	170,659	195,896	196,544
	Category 2 Capital goods	—	27,126	5,873	13,171	13,865
	Category 3 Fuel- and energy-related activities (not included in scope 1 or scope 2)	—	2,977	3,199	3,396	3,443
	Category 4 Upstream transportation and distribution	—	5,248	4,858	4,671	5,096
	Category 5 Waste generated in operations	—	189	166	142	210
	Category 6 Business travel	—	839	1,800	2,107	2,284
	Category 7 Employee commuting	—	1,482	1,242	1,284	1,363
	Category 8 Upstream leased assets	—	560	511	1,062	949
	Category 9 Downstream transportation and distribution	—	1,103	1,211	1,329	1,424
	Category 10 Processing of sold products	—	NA	NA	NA	NA
	Category 11 Use of sold products	—	Not Included in Calculation	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	4,435	4,357
	Category 13 Downstream leased assets	—	26	28	22	28
	Category 14 Franchises	—	NA	NA	NA	NA
	Category 15 Investments	—	NA	NA	NA	NA
Scope 3 Total				168,720	193,616	227,516

Greenhouse Gas Emissions

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Scope 1+2 Per-Unit Emission	million t-CO2	0.132	0.141	0.116	0.099	0.075
Scope 3 Per-Unit Emission	million t-CO2	—	1.667	1.678	1.765	1.681

Water Resource Conservation

Water

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Water Withdrawal	thousand m³	248.0	263.2	275.7	276.0	273.2
Tap Water	thousand m³	110.0	112.6	126.5	132.3	129.0
Ground Water	thousand m³	138.0	150.5	149.3	143.7	144.2
Water Withdrawal Per-Unit	thausond m³ /million yen	2.5	2.6	2.4	2.1	2.0
Water Discharged	thousand m³	—	—	273.0	266.6	245.0
Public sewer	thousand m³	—	—	273.0	266.6	245.0
Water Consumption	thousand m³	—	—	53.9	58.5	54.0

Waste

Generated waste/Final disposal wastes

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Total generated waste	t	2,802	2,909	2,456	2,567	2,291
Final disposal wastes	t	1	1	1	3	2

Waste by disposal method

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
recycled or reused	t	1,357	1,648	1,512	1,866	1,433
Landfilled	t	0	0	0	0	0
Incinerated with energy recovery	t	1,423	1,201	920	674	824
Incinerated without energy recovery	t	20	63	23	27	34
Disposal method unknown	t	0	0	0	0	0

Container and Packaging Material Usage

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Plastic packaging	t	—	—	—	6,270	5,659
Cardboard box	t	—	—	—	1,654	2,255
Paper packaging	t	—	—	—	2,332	2,149
Glass packaging	t	—	—	—	144	166
Metal packaging	t	—	—	—	40	24
Total	t	—	—	—	10,439	10,253

*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	FY2020	FY2021	FY2022	FY2023	FY2024
Boron Compounds	t	13.7	16.3	14.1	15.3	13.8
Ferric Chloride	t	0	0	2.1	0	0

*Substances with a handling volume of 1t or more

Emissions of PRTR-listed Chemical Substances

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Boron Compounds	t	0.19	0.22	0.19	0.21	0.19
Ferric Chloride	t	0	0	0	0	0

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

	Unit	FY2020	FY2021	FY2022	FY2023	FY2024
Nitrogen Oxides (NOx)	t	27.8	24.0	21.5	20.9	28.5
Sulfur Oxides (SOx)	t	0	0	0	0	0