

ROHTO ESG Date Book (Environment)

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

Energy Consumption

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Energy Consumption(oil equivalent)	kℓ	8,015	8,179	7,930	8,264	9,113
Total Energy Consumption	GJ	315,057	322,235	310,345	326,137	360,005
Per-Unit Sales	GJ/million yen	3.02	3.03	3.07	3.22	3.12

Electricity

Electricity Consumption	thousand kwh	24,333	25,111	24,915	26,055	28,645
Purchased Electricity	thousand kwh	21,892	22,588	17,685	18,543	16,279
CO ₂ Free Electricity	thousand kwh	0	0	0	0	5,304
Self-generated Energy	thousand kwh	2,364	2,446	7,153	7,177	6,685
Renewable Energy	thousand kwh	77	77	77	335	376

Fuel

LPG	m ³	105	51	130	108	159
City Gas	thousand Nm ³	2,087	2,072	2,913	3,014	3,073
Gasoline	L	79,797	116,679	58,206	55,670	62,975
Diesel Oil	L	16,288	15,817	13,157	15,073	22,911

Reduction of Greenhouse Gas Emissions

Greenhouse Gas Emissions

t-CO₂

		FY2018	FY2019	FY2020	FY2021	FY2022
Scope 1		4772.23	4738.59	6667.34	7,342	7,184
Scope 2 (market basis) target		9896.77	9218.41	6659.66	6,906	5,936
Scope 1+2 total		14,669	13,957	13,327	14,249	13,120
Scope 3	Category 1 Purchased goods and services	—	—	—	125,066	170,659
	Category 2 Capital goods	—	—	—	27,126	5,873
	Category 3 Fuel- and energy-related activities (not included in scope 1 or scope 2)	—	—	—	2,977	3,148
	Category 4 Upstream transportation and distribution	—	—	—	5,248	5,015
	Category 5 Waste generated in operations	—	—	—	189	166
	Category 6 Business travel	—	—	—	839	2,029
	Category 7 Employee commuting	—	—	—	1,482	1,218
	Category 8 Upstream leased assets	—	—	—	560	511
	Category 9 Downstream transportation and distribution	—	—	—	1,103	1,211
	Category 10 Processing of sold products	—	—	—	NA	NA
	Category 11 Use of sold products	—	—	—	Not Included in Calculation	Not Included in Calculation
	Category 12 End-of-life treatment of sold products	—	—	—	4,104	4,069
	Category 13 Downstream leased assets	—	—	—	26	28
	Category 14 Franchises	—	—	—	NA	NA
	Category 15 Investments	—	—	—	NA	NA
Scope 3 Total					168,720	193,926

Greenhouse Gas Emissions

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Scope 1·2 Per-Unit Emission	million t-CO2	0.141	0.131	0.132	0.141	0.114
Scope 3 Per-Unit Emission	million t-CO2	—	—	—	1.667	1.681

Water Resource Conservation

Water Consumption

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Water Consumption	thousand m ³	266	271	248	263	276
Tap Water	thousand m ³	118	113	110	113	126
Ground Water	thousand m ³	148	158	138	151	149
Water Consumption Per-Unit	thausond m ³ /million yen	2.5	2.5	2.5	2.6	2.4

Waste

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Total generated waste	t	2670	2746	2802	2,909	2,456
Final disposal wastes	t	15	12	1	1	1

Management of Chemical Substances

Amount of PRTR-listed Chemical Substances Handled

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Boron Compounds	t	15.7	15.9	13.7	16.3	14.1
Ferric Chloride	t	0	0	0	0	2.1

*Substances with a handling volume of 1t or more

Emissions of PRTR-listed Chemical Substances

	Unit	FY2018	FY2019	FY2020	FY2021	FY2022
Boron Compounds	t	0.1	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	FY2018	FY2019	FY2020	FY2021	FY2022
Nitrogen Oxides (NOx)	t	—	—	27.8	24.0	21.5
Sulfur Oxides (SOx)	t	—	—	0	0	0