

Data on CO2

Total GHG Emissions by Scope (1,000t-CO2)

	2022	2023	2024
Scope 1	18	18	16
Scope 2	19	17	16

Data on Energy

Energy Consumption by Region in 2024 (1000t-CO2)

	Scope1	Scope2	Total
Japan	6	11	18
Europe	4	0.4	5
North America	5	2	7
South America	0.01	0.1	0.1
Oceania	0.7	0.1	0.8
Asia (except Japan)	0.1	2	2
Total	16	16	32

Use of Renewable Energy by Region in 2024

	Electric power (MWh)	Geothermal power (TJ)
Japan	3.1	0
Europe	0.7	0
North America	0	0
South America	0	0
Oceania	0.1	0
Asia (except Japan)	0.5	0
Total	4.5	0

Atmospheric Emissions

SOx and NOx Emissions (t)

	2022	2023	2024
SO _x	0	0	0
NO _x	0.21	0.20	0.12

※Only applicable to Nasu Head Office in Japan

Data on Water Resources

Total Wastewater Discharge (1,000m)

	2022	2023	2024
Japan	56	55	48
Outside Japan	5	5	5
Total	61	60	53

*Wastewater is counted only at the Nasu Head Office.

Wastewater Amount by Discharge Route in 2024 (1,000m)

	Rivers	Sewerage System	Total
Japan	0	48	48
Outside Japan	5	0	5
Total	5	48	53

*Wastewater is counted only at the Nasu Head Office.

Water Consumption in 2024 by Type(1,000m)

	Public Water	Industrial Water	Groundwater	Total
Japan	76	0	0	76
Outside Japan	22	0	0	22
Total	97	0	0	97

Use of Recycled Water and Recycling Rate in 2024

	2024	
	Recycled Water (1,000m ³)	Recycling Rate (%)
Japan	6.0	8%
Outside Japan	0	0%
Total	6.0	6%

*Recycled water is only used at the Nasu head office.

2024 Water Quality Data (t)

	2024
SS	10
BOD	9

Data on Waste

Recovery Volume by Type of Waste in 2024 (t)

Type of Waste	Type of Recovery Treatment	emissions	
			Total
Industrial waste	sludge	roadbed	25
	Oils	fuels, reuse of oils, etc.	30
	acids	cement, etc.	88
	alkali	cement, etc.	31
	plastic	Raw materials for plastic products, solid fuel, roadbed, etc.	343
	wood	fuels, wood chips, etc.	662
	metal	metal materials, etc.	92
	glass	Glass materials, roadbed, etc.	7
	Specially controlled etc	cement, roadbed, etc. metal materials, roadbed, etc.	27 0
valuables	plastic	Raw materials for plastic products, etc.	25
	Paper	raw material for paper, etc.	532
	metal	metal materials, etc.	1,010
General waste Generated by	roadbed, etc.	84	
Total		2,956	

Chemical Substances Related Data

Amount of Chemical Substances in 2024 (t)

	2024
Japan	3.7
Outside Japan	1.5
Total	5.2

VOC Emissions in 2024 (t)

	2024
Japan	3.3
Outside Japan	1.3
Total	4.7

2024年PRTR物質管理実績 (kg)

Statutory No.	Name of Substance	Emissions Volume			Transfer Volume		
		Atmosphere	Public Water	Soil Emissions	SewerageSystem	Waste	Product Transition
1	zinc compounds(water-soluble)	0	0	0	0	60	140
87	chromium and chromium(III) compounds	6	0	0	0	0	0
300	toluene	267	0	0	0	0	0
304	lead	0	0	0	0	17	40
308	nickel	2	0	0	0	0	0
412	manganese and its compounds	5	0	0	0	0	0