

Energy Consumption

	2022		
	Consumption (MWh)	Assurance	Data coverage (㎡)
Total Energy Consumption*	223,673	✓	1,345,321
Total Renewable Electricity	128,482	✓	-
Renewable Electricity Purchased	126,832	✓	-
Renewable Energy Generation (on-site generation and consumption)	7	✓	-
Renewable Energy Certificates Purchased**	1,643	✓	-

* Includes consumption of self-generated renewable energy

** FIT Non-Fossil Certificate

Energy use intensity rates

	2022	Assurance	Data coverage (m ²)
Energy Use Intensity (MWh/m ²)	0.166	✓	1,345,321

GHG emissions

	2022		
	Emissions (t)	Assurance	Data coverage (m ²)
Scope1 (Fuels)	2,786	✓	321,125
Scope2 (Electricity, District Heating & Cooling) (Market-based method)	14,380	✓	474,610
Scope3 (all indirect emissions not included in scope 2)* (Category: 13)	12,670	✓	870,711

* Fuels, electricity and DHC that occur in tenant controlled areas.

GHG emissions intensity rates

	2022	Emissions (t)	Assurance	Data coverage (m ²)
GHG Emissions Intensity (kg-CO₂/m²) *	22.2	29,836	✓	1,345,321

*Floor area basis

Water use

	2022		
	Consumption (m ³)	Assurance	Data coverage (m ²)
Total Water Consumption	689,740	✓	1,345,321

Water intensity rates

	2022	Total Water Consumption (m ³)	Assurance	Data coverage (m ²)
Water Use Intensity (m³/m²) *	0.513	689,740	✓	1,345,321

*Floor area basis

Waste

	2022		
	Emissions (t)	Assurance	Data coverage (㎡)
Total waste volume*1	5,868	✓	1,345,321
Hazardous waste	0.645	✓	
Non-hazardous waste	5,868	✓	
Recycling	3,229	✓	
Recycling rate*2	55.0%	✓	
Final disposal volume	182	✓	

*1 Includes waste paper, cans, bottles, PET bottles.

*2 Recycling / Total waste

Details of the calculation method

Item	Data	Calculation method
Energy Consumption	Fuel use (City gas, Heavy oil A, diesel oil and kerosene) District Heating and Cooling (DHC)system Electricity use Renewable Electricity	Act on Rationalizing Energy Use and Shifting to Non-fossil Energy (the Revised Act on Rationalizing Energy Use) Act on Promotion of Global Warming Countermeasure Act on Special Measures Concerning Procurement of Electricity from Renewable Energy Sources Calculation method <ul style="list-style-type: none"> Renewable Electricity Purchased : Purchased amount of Renewable Electricity Renewable Energy Generation (on-site generation and consumption) : Calculated based on on-site meter Renewable Energy Certificates Purchased: Amount of certificates purchased from power supplier Fuel Consumption / DHC Consumption = Data in the invoice×Calorie conversion factor*1 ×Electric energy conversion factor
Energy Consumption Intensity	Energy Consumption Intensity	Energy Consumption (MWh) ÷ (Floor area based on JRE's ownership share (m ²) × Occupancy rate [annual average])*2
GHG Emissions	Scope1 emissions, Scope2 emissions, Scope3 emissions	Act on Rationalizing Energy Use and Shifting to Non-fossil Energy (the Revised Act on Rationalizing Energy Use) Act on Promotion of Global Warming Countermeasure Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Ver. 2.4) GHG Emissions(t-CO ₂ eq) = Energy use × GHG emission factor
GHG Emissions intensity	GHG Emissions intensity	GHG emissions (t-CO ₂ eq) ÷ (Floor area based on JRE's ownership share (m ²) × Occupancy rate [annual average])*2
Water use	Water use	Adding up the consumption by the bills from the waterworks bureau
Water use intensity	Water use intensity	Use of tap water (m ³) ÷ (Floor area based on JRE's ownership share (m ²) × Occupancy rate [annual average])*2
Waste	Total waste volume Hazardous waste Non-hazardous waste Recycling Recycling rate Final disposal volume	Calculated in accordance with the Waste Management and Public Cleansing Act. Calculation method <ul style="list-style-type: none"> Total waste volume=Non-hazardous waste (Industrial waste & Non-industrial waste) + Hazardous waste Recycling: Calculated based on the recycling amount described in manifesto or recycling rate specified in contracts. Recycling rate=Recycling / Total waste volume Final disposal volume=Final disposal volume described in manifesto.

*1 City gas : Calorie conversion factor of each gas companyMJ/m³, Heavy oil A: 39.1MJ/l, diesel oil : 37.7MJ/l, kerosene : 36.7MJ/l

*2 Occupancy rate : Total annually amount of the leased office space based on the contract at the end of the month (m²) / Total annually amount of the leasable Space (m²)