

## Energy Consumption

	2019		
	Consumption (MWh)	Assurance	Data coverage (m <sup>3</sup> )
<b>Total Energy Consumption*</b>	244,904	✓	1,324,395

\*3,133(MWh) out of total electricity consumption is green electricity.

**Energy use intensity rates**

	<b>2019</b>	<b>Assurance</b>	<b>Data coverage (m<sup>2</sup>)</b>
<b>Energy use intensity (MWh/m<sup>2</sup>)</b>	0.185	✓	1,324,395

**GHG emissions**

		2019		
		Emissions (t)	Assurance	Data coverage (m <sup>2</sup> )
<b>Scope1 (Fuels)</b>		3,208	✓	320,590
<b>Scope2 (Electricity, District Heating &amp; Cooling)</b>		43,487	✓	473,129
<b>Scope3 (all indirect emissions not included in scope 2)* (Category: 13)</b>		58,815	✓	862,653

\* Fuels and electricity that occur in tenant controlled areas.

## GHG emissions intensity rates

	2019	Emissions (t)	Assurance	Data coverage (m <sup>2</sup> )
<b>GHG emissions intensity (kg-CO2/m<sup>2</sup>) *</b>	79.7	105,510	✓	1,324,395

\*Floor area basis

**Water use**

	2019		
	Consumption (m <sup>3</sup> )	Assurance	Data coverage (m <sup>2</sup> )
<b>Total Water Consumption</b>	887,660	✓	1,324,395

**Water intensity rates**

	<b>2019</b>	<b>Total Water Consumption (m<sup>3</sup>)</b>	<b>Assurance</b>	<b>Data coverage (m<sup>2</sup>)</b>
<b>Water use intensity (m<sup>3</sup>/m<sup>2</sup>) *</b>	0.670	887,660	✓	1,324,395

\*Floor area basis

**Waste**

	2019		
	Emissions (t)	Assurance	Data coverage (m <sup>3</sup> )
<b>Total waste volume*1</b>	9,148	✓	1,324,395
<b>Hazardous waste</b>	0	✓	
<b>Non-hazardous waste</b>	9,148	✓	
<b>Recycling</b>	5,418	✓	
<b>Recycling rate*2</b>	59.2%	✓	
<b>Final disposal volume</b>	363	✓	

\* Includes waste paper

\* 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	Act on the Rational Use of Energy (Energy Conservation Act) Act on Promotion of Global Warming Countermeasure  Energy Consumption(MWh) = Energy use×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 <sup>2</sup> ) × Occupancy rate [annual average])*2
GHG Emissions	Scope1 emissions, Scope2 emissions, Scope3 emissions	Act on the Rational Use of Energy (Energy Conservation Act) Act on Promotion of Global Warming Countermeasure Basic Guidelines on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain (Ver. 2.3) GHG Emissions(t-CO <sub>2</sub> eq) = Energy use × GHG emission factor
GHG Emissions intensity	GHG Emissions intensity	GHG emissions (t-CO <sub>2</sub> eq) ÷ (Floor area based on JRE's ownership share (m <sup>2</sup> ) × 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 <sup>3</sup> ) ÷ (Floor area based on JRE's ownership share (m <sup>2</sup> ) × 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 • 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/m<sup>2</sup>, 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 (m<sup>2</sup>) / Total annually amount of the leasable Space (m<sup>2</sup>)