

ESG Data

SASB Index

Relevant performance is organized in accordance with the Electric Utilities & Power Generators industry standards set by the US-based Sustainability Accounting Standards Board (SASB). SASB Standards were created primarily with companies and markets in North America in mind and incorporate some items that do not apply to our business. However, we have attempted to disclose as much information as possible.

Topic	Accounting metric	Code	Unit	Result
Greenhouse gas emissions & energy resource planning* ¹	(1) Gross global Scope 1 emissions	IF-EU-110a.1.	t-CO ₂	45,940,000
	(2) Percentage of Scope 1 emissions under emissions-limiting regulations		%	Not applicable
	(3) Percentage of Scope 1 under emissions-reporting regulations		%	100%
	Greenhouse gas (GHG) emissions associated with power deliveries	IF-EU-110a.2.	t-CO ₂	45,750,000
	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions	IF-EU-110a.3.	Aim for net-zero emissions (carbon neutrality) by 2050. Concerning coal-fired power in Japan as we head toward 2030, we will phase out power plants that have become obsolete, starting with the oldest, and upcycle remaining power plants to highly efficient power systems that use hydrogen by adding gasification facilities, thereby reducing emissions. We will also introduce mixed combustion of biomass and ammonia and realize CCS in Japan, further reducing emissions.	
	Emissions reduction targets		2050 Net-zero emissions 2030 Reduce CO ₂ emissions from the J-POWER Group's domestic power generation business: 46% (22.5 million t-CO ₂)* ³ FY2025 Reduce CO ₂ emissions from the J-POWER Group's domestic power generation business: 9.2 million t-CO ₂ * ³	
	Analysis of performance against the above targets		In order to cut FY2030 CO ₂ emissions from the J-POWER Group's domestic power generation business 46% (22.5 million t-CO ₂)* ³ , we added 9.2 million tons of reduction by FY2025 as an interim target and are moving forward with plans to implement the above reductions.	
	(1) Number of customers served in markets subject to renewable portfolio standards (RPS)	IF-EU-110a.4	customers	Not applicable
	(2) Percentage fulfillment of RPS target by market		%	*The RPS law which established RPS regulations in Japan was abolished in 2012 and has shifted to a feed-in tariff system.
Air quality* ²	(1) NOx	IF-EU-120a.1	tons, %	22,000 tons, [100%] The percentage value indicates emission rate in densely populated areas.
	(2) SOx		tons, %	8,900 tons, [100%] The percentage value indicates emission rate in densely populated areas.
	(3) Particulate matter (PM ₁₀)		tons, %	Not disclosed, as we have not adopted measurement methods recommended by the SASB Standards.
	(4) Lead (Pb)		tons, %	Not disclosed, as we have not adopted measurement methods recommended by the SASB Standards.
	(5) Mercury (Hg)		tons, %	Not disclosed, as we have not adopted measurement methods recommended by the SASB Standards.
Water management* ²	(1) Total water withdrawn	IF-EU-140a.1.	thousand m ³ , %	59,036,000 thousand m ³ , [0%] The percentage value indicates the proportion of areas with high/extremely high water stress.
	(2) Total water consumed		thousand m ³ , %	16,400 thousand m ³ , [50%] The percentage value indicates the proportion of areas with high/extremely high water stress.
	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	IF-EU-140a.2.	cases	0
	Description of water management risks and discussion of strategies and practices to mitigate those risks	IF-EU-140a.3.	The Company manages the following risks related to the use of water resources, which are essential to its power generation business. In the hydroelectric power generation business, the amount of water withdrawal permitted by law is observed, and the river environment is maintained by discharging water from rivers exceeding certain sizes* ⁴ . In the thermal power generation business, we are working to reduce water withdrawal by recovering and reusing water for power generation. In addition, seawater is used as indirect cooling water for power generation facilities, and we comply with the levels stipulated in environmental conservation agreements. WRI Aqueduct (3.0) is used to locate water risks for the hydroelectric and thermal power plants of consolidated subsidiaries that use large amounts of water resources. As a result, while no power plants operate in places with high water stress in Japan, there are many thermal power plants located in regions with high water stress overseas. In such overseas areas, we are reducing water withdrawal/consumption and operational risk by reusing water discharges after treatment and constructing reservoirs by taking each site's environment into account.	
Coal ash management* ²	Amount of coal combustion residuals (CCR) generated and percentage recycled	IF-EU-150a.1.	tons, %	1,292,000 tons [92.4%]
	Number of CCR impoundments	IF-EU-150a.2.	cases	3

*¹ The figure is calculated for J-POWER and its domestic and overseas consolidated subsidiaries and equity method affiliates (electric power business, overseas business, electric power related business, etc.).

*² The figure is calculated for J-POWER and its domestic and overseas consolidated subsidiaries (electric power business, overseas business, electric power related business, etc.), without taking into account the ratio of capital contribution.

*³ All of these reductions are compared to FY2013.

*⁴ The length of the section of the river where water withdrawal for hydroelectric power generation reduces water flow is 10 km or more and the catchment area is 200 km² or more, etc.

ESG Data

SASB Index

Topic	Accounting metric	Code	Unit	Result
Energy affordability	(1) Retail electric rate for residential customers	IF-EU-240a.1.		
	(2) Retail electric rate for commercial customers			
	(3) Average retail electric rate for industrial customers			
	Typical monthly electric bill for residential customers for (1) 500 kWh of electricity delivered per month	IF-EU-240a.2.		Not disclosed for competitive reasons due to deregulation of the electric power industry
	Typical monthly electric bill for residential customers for (2) 1,000 kWh of electricity delivered per month			
	(1) Number of residential customer electric disconnections for non-payment	IF-EU-240a.3.		
	(2) Percentage reconnected within 30 days			
Workforce health and safety	(1) Total recordable incident rate (statistic count × 200,000/hours worked)	IF-EU-320a.1.	cases	0.26 (Employees: 0.05; Outsourcing & other contractors: 0.33) Note: Calculations are for J-POWER, five major J-POWER Group companies* and partner companies.
	(2) Fatality rate (number of cases)			0
	(3) Near miss frequency rate (statistic count × 200,000/hours worked)			Not disclosed, as we have not adopted measurement methods recommended by the SASB Standards
End-use efficiency & demand	(1) Decoupled percentage	IF-EU-420a.1.	%	Not applicable
	(2) Lost revenue adjustment mechanism (LRAM) percentage		%	*Not applicable as no customers in Japan have adopted the decoupling and LRAM
	Percentage of electric load (MWh) served by smart grid technology	IF-EU-420a.2.		Not disclosed for competitive reasons due to deregulation of the electric power industry
	Customer electricity savings from efficiency measures, by market	IF-EU-420a.3.	MWh	Not applicable
Nuclear safety & emergency management	Total number of nuclear power units	IF-EU-540a.1.	Number of units	1 (Ohma Nuclear Power Plant) *Ohma Nuclear Power Plant is currently under construction and reviewed by the Nuclear Regulation Authority of its compliance with the New Safety Standards for Nuclear Power Stations. Timing of operational start is unscheduled.
	Description of efforts to manage nuclear safety and emergency preparedness	IF-EU-540a.2.		We are working to improve safety by aptly implementing safety activities based on the quality management system for nuclear safety led by our president, and by steadily undertaking continuous improvement through the Corrective Action Program (CAP). Furthermore, with "safety first" as our organizational culture and with awareness among all of us of the roles and the importance of our work duties, we engage in activities to foster and maintain a culture of nuclear safety by which we continuously improve ourselves.
Grid resiliency	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	IF-EU-550a.1.		Not disclosed due to risks associated with disclosure
	(1) System Average Interruption Duration Index (SAIDI)	IF-EU-550a.2.		Not applicable *J-POWER Transmission Network, a consolidated subsidiary of the Company, owns electric power transmission and transformation facilities and engages in electricity transmission as stipulated in the Electricity Business Act, but does not own distribution facilities and does not engage in the business of supplying electricity to end users. This is currently placed under the roles of individual transmission system operators (TSOs) that engage in grid operations in specific areas.
	(2) System Average Interruption Frequency Index (SAIFI)			
	(3) Customer Average Interruption Duration Index (CAIDI)			

*Major consolidated subsidiaries to which J-POWER outsources facilities maintenance: J-POWER Business Service Corporation, J-POWER HYTEC Co., Ltd., J-POWER Generation Service Co., Ltd., J-POWER Telecommunication Service Co., Ltd., J-POWER Design Co., Ltd.

Activity Metrics

Business metrics	Unit	Result
Number of: (1) residential, (2) commercial, and (3) industrial customers served	customers	Not disclosed for competitive reasons due to deregulation of the electric power industry
Total electricity delivered to: (1) residential, (2) commercial, (3) industrial, (4) all other retail customers, and (5) wholesale customers	MWh	Not disclosed for competitive reasons due to deregulation of the electric power industry
Length of transmission and distribution lines	km	2,410.3km
Total electricity generated, percentage by major energy source, percentage in regulated markets	MWh, %	(1) 67,771,265MWh (2) Hydroelectric: 12.7% Thermal: 85.3% Wind: 2.0% (3) Not applicable (Marked "Not applicable" as there are no "regulated markets" in Japan)
Total wholesale electricity purchased	MWh	Not disclosed for competitive reasons due to deregulation of the electric power industry