

Press Release

Electric Power Development Co., Ltd.
Kyushu Electric Power Co., Inc.

J-POWER to Conduct FEED for CO₂ Separation, Capture, Liquefaction, Temporary Storage and Shipping Facilities at the Matsuura Sites

Accelerating Efforts to Realize CCS Commercialization

Electric Power Development Co., Ltd. (“J-POWER”) and Kyushu Electric Power Co., Inc. (“Kyushu Electric Power”) have been selected as a prospective contractor for the Matsuura Cluster under the FY2026 public offering of the Japan Organization for Metals and Energy Security (“JOGMEC”) for “Design Work for Separation, Capture, Liquefaction, Temporary Storage, and Shipping Facilities for Ship-Based Advanced CCS (Carbon Dioxide Capture and Storage) Projects.” Following the selection, the two companies entered into a contract with JOGMEC and were commissioned to conduct the front-end engineering design (FEED) work.

J-POWER and Kyushu Electric Power will jointly conduct FEED for CO₂ separation, capture, liquefaction, temporary storage and shipping facilities at coal-fired power plants owned by the two companies in Matsuura City, Nagasaki Prefecture. In carrying out FEED, the companies will proceed with studies aimed at commercial operation in the early 2030s, with the cooperation of companies including Mitsubishi Heavy Industries, Ltd., Chiyoda Corporation, J-POWER EnTech, Inc. and Mitsubishi Electric Corporation.

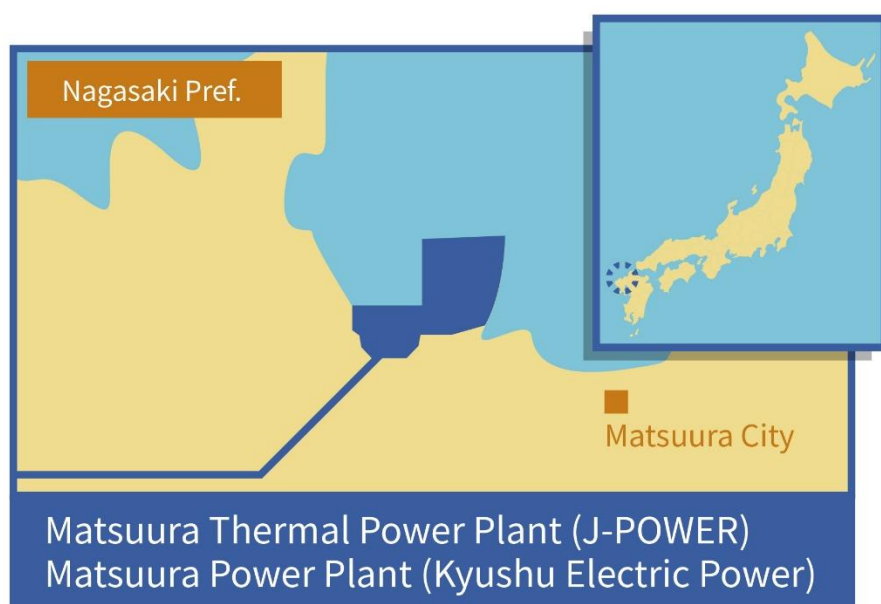
Based on the results of feasibility studies (F/S) conducted to date, the FEED work will include detailed studies of facility specifications, layouts and other items necessary for future decisions on commercialization. In addition, by sharing CO₂ separation, capture, liquefaction, temporary storage and shipping facilities, J-POWER and Kyushu Electric Power aim to optimize facilities and improve operational efficiency, thereby realizing efficient and economical CCS operation.

J-POWER will continue to pursue the decarbonization and low-carbon transformation of coal-fired power generation while contributing to a stable supply of electricity through various measures including CCS, toward achieving carbon neutrality as set forth in [J-POWER “BLUE MISSION 2050.”](#)

Kyushu Electric Power, under the [Kyuden Group Strategic Vision 2035](#), is promoting low-carbon initiatives and the decarbonization of its power sources while maintaining a stable electricity supply. The company will accelerate initiatives including CCS toward achieving Carbon Minus.

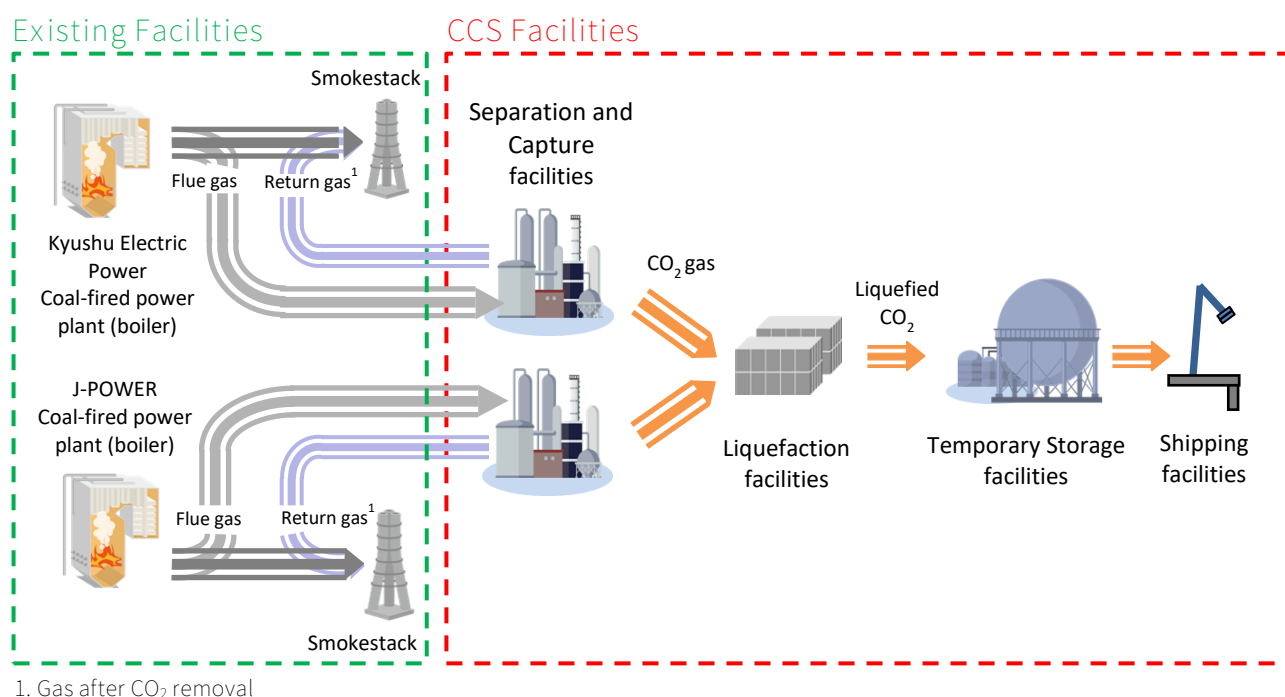
The two companies will continue to work together to contribute to the realization of carbon neutrality by 2050.

Sites Subject to FEED



	J-POWER	Kyushu Electric Power
Location	Shisamachi Shirahama-men, Matsuura City, Nagasaki Prefecture	
Facility	Matsuura Thermal Power Plant Unit 2	Matsuura Power Plant Unit 2
Output	1,000 MW	1,000 MW
Fuel	Coal	Coal
Commercial Operation Date	July 1997	December 2019
Planned Annual Shipment Volume of Liquefied CO ₂	1 million tons/year	1 million tons/year

Overview of CCS Facilities Subject to FEED



Division of Responsibilities for the FEED Study

Separation and Capture Facilities	Liquefaction Facilities	Temporary Storage and Shipping Facilities	Power Receiving and Transforming Facilities ²
 Mitsubishi Heavy Industries, Ltd.	 Chiyoda Corporation	 J-POWER EnTech, Inc.	 Mitsubishi Electric Corporation

2. Facilities that receive and distribute the electricity required for the operation of each facility