

December 20, 2019

Kyushu Electric Power Co., Inc

Kyushu Electric Power Company Starts Commercial Operation of Matsuura Power Station Unit 2 -Largest in scale in Japan as a single unit with 1GW of output-

Today, Kyushu Electric Power Company's Matsuura Power Station Unit 2 started commercial operation having completed its autonomous pre-service inspection pursuant to the Electricity Business Act. It had started generating power as part of its commissioning in June of this year.

Matsuura Power Station Unit 2 uses coal, a resource that is economical and can be procured stably, as its fuel and has adopted the latest technology to increase generation efficiency and emit less CO₂.

It is also able to respond flexibly to changes in output from renewable energy sources.

Kyushu Electric Power Company will continue to contribute to realizing a low-carbon sustainable society as declared in the "Kyuden Group Management Vision 2030" by continuing to manage a balanced energy mix from a "S (safety) + 3E (energy security, economic efficiency, environment) perspective.

[Overview of Matsuura Power Station Unit 2]

	Unit 2	[Reference] Unit 1 (Started operation in June 1989)
Location	2091-1 Kaihatsu, Shirahamamen-aza, Shisa-cho, Matsuura-shi, Nagasaki	
Output	1GW	0.7GW
Fuel	Coal	
Generation method	Ultra-supercritical* ¹ pulverized coal fired	Supercritical* ² pulverized coal fired
Generation efficiency* ³ (Based on lower heating value)	Approx. 46%	Approx. 43%

*1: Increased the temperature and pressure of the generating steam to increase generation efficiency (temperature: exceeding 566°C. pressure: 22.1 MPa or more)

*2: Temperature of generating steam: 566°C or less; pressure of generating steam: 22.1MPa or less

*3: Generating efficiency based on lower heating value is calculated by subtracting the amount of heat in the combustion gas steam

[Major events]

- January 1998 Start environmental impact assessment
- March 2001 Start construction (submit engineering work plans)
- June 2004 Construction interruption (due to a decline in power demand forecasts)
- January 2016 Construction restart (submitted an application for changes to the engineering work plans in November 2015)
- June 2019 Start power generation
- December 2019 Start of commercial operation



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KYUDEN GROUP's Mission is to contribute toward the realization of a comfortable and environment-friendly lifestyle today and for generations to come.