

Osaka Gas Starts Commercial Operation of Unit 2 of Fukushima Natural Gas Power Plant

August 24, 2020
Osaka Gas Co., Ltd.

Osaka Gas Co., Ltd. (President: Takehiro Honjo, hereinafter, “Osaka Gas”) today announced that it started commercial operation of the Unit 2 power generation equipment (hereinafter, “Unit 2”) of the Fukushima Natural Gas Power Plant (hereinafter, “the power plant”) at 0:00 on August 24, 2020. Unit 2 was constructed by Fukushima Gas Power Co., Ltd. (President and CEO: Yoshitaka Ishii, hereinafter, “FGP”), in which Osaka Gas has a 20% stake.

The power plant is a natural gas-fired thermal power plant with an output of 1,180 MWh (590 MWh × two units). It was constructed on No. 4 wharf of Soma Port, Fukushima Prefecture (Shinchi-machi, Soma-gun, Fukushima Prefecture). The power generation equipment uses a gas turbine combined-cycle system with high power generation efficiency.*¹ The generated electricity is received by companies that have invested in FGP, depending on the amount of fuel (LNG) delivered to FGP (tolling agreement).

The Daigas Group remains committed to building a diverse power source portfolio, including environmentally friendly natural gas and renewable energy, and to expanding the electric power business in and outside Japan in order to achieve the goal of “9,000 MW of power in Japan and overseas by FY2031.3” as set out in the Long-term Vision.

(*1) The power generation equipment achieved a gross thermal efficiency (lower heating value) of about 61%, which is presently among the highest in the world.

1. Overview of the Fukushima Natural Gas Power Plant

Name	Fukushima Natural Gas Power Plant
Location	161-3 Imagami, Komagamine, Shinchi-machi, Soma-gun, Fukushima Prefecture (Wharf No. 4, Soma Port)
Site area	About 10 ha
Power generation system	Gas turbine combined-cycle system
Gross thermal output	1,180 MWh (590 MWh × two units)
Fuel	Natural gas (LNG)
Thermal efficiency	Gross thermal efficiency: about 61% (lower heating value)

(Photo of the site: as of August 2020)



Appearance of Unit 2



Overall view of the power plant

(Schedule)

2016	October	Decision made to commercialize the natural gas thermal power generation business at Soma Port.
2017	August	Preparation work started (including ground improvement).
2017	October	Construction of the power plant equipment commenced.
2019	December	Power generation from Unit 1 commenced (first parallel in: commencement of power generation and transmission of generated electricity to the grid).
2020	April	Commercial operation of Unit 1 commenced (on April 30).
2020	May	Power generation from Unit 2 commenced (first parallel in).
2020	August	Commercial operation of Unit 2 commenced (on August 24).

2. Overview of Fukushima Gas Power Co., Ltd.

Company name	Fukushima Gas Power Co., Ltd. (“FGP”)
Location of head office	Sapia Tower, 1-7-12 Marunouchi, Chiyoda-ku, Tokyo
Founded	April 23, 2015
Capital	1,074 million yen (capital: 537 million yen, capital reserves: 537 million yen)
Investment ratio	Japan Petroleum Exploration Co., Ltd. 33% Mitsui & Co., Ltd. 29% Osaka Gas Co., Ltd. 20% Mitsubishi Gas Chemical Company, Inc. 9% Hokkaido Electric Power Co., Inc. 9%
Business description	Operation and undertaking of the power generation business at the natural gas-fired thermal power plant
Business site, etc.	Fukushima Natural Gas Power Plant (Shinchi-machi, Soma-gun, Fukushima Prefecture)
Website	http://www.f-gp.co.jp/ (in Japanese)