

Electric Power Development Co., Ltd.

Nagayama Hydroelectric Power Station: Unit 2 Begins Commercial Operation

Completion of Modernization of First Unit

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President and CEO: Hitoshi Kanno) announced the completion of the modernization (renovation) of the main equipment for Unit 2, including the water turbine and generators, at the Nagayama Power Station (Kochi Prefecture, Japan), that began in October 2023, and the commencement of commercial operations on October 28, 2024.

The Nagayama Hydroelectric Power Station has been in operation since 1960, and the equipment has aged over the last 60 years. J-POWER has therefore been working to modernize and comprehensively update the main facilities, such as the water turbine and generators. Using the latest analysis and design technologies, this modernization improved the shape of the turbine runner blades, increasing Unit 2's power output by 750 kW from 18,500 kW to 19,250 kW.

Modernization of Unit 1 is scheduled to begin in fiscal 2024. After completion of Unit 1's modernization, the total output of Nagayama Power Station will increase by 1,500 kW, from 37,000 kW to 38,500 kW.

J-POWER has conducted modernization work at eight power stations, with the Nagayama Power Station being the seventh project. The J-POWER Group is committed to expanding its renewable energy business to achieve carbon neutrality, as stated in [J-POWER BLUE MISSION 2050](#).



Nagayama Power Station (exterior view)



Nagayama Power Station Unit 2 during modernization (installation of water turbine runner)

(1) Overview of Nagayama Power Station (after completion of Unit 2 modernization)

Location	Kitagawa-mura, Aki-gun, Kochi
Capacity	37,750 kW (combined output of Units 1 and 2)
Maximum water consumption	40 tonnes per second
Dam	Hiranabe Dam (crest length:124 m, height: 38 m)
Start of operations	July 1960

(2) Nagayama Power Station Modernization Schedule

October 31, 2023: Start of Unit 2 modernization

October 28, 2024: Start of Unit 2 commercial operation

January 2025: Start of Unit 1 modernization (planned)

October 2025: Start of Unit 1 commercial operation (planned)

(3) Location Map

