



## Nagayama Power Station: Modernization Begins Start of Comprehensive Renovations for Hydroelectric plant

Today, Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Hitoshi Kanno) announced the beginning of modernization of the main hydroelectric plant and equipment, including the water turbine and generators, at the Nagayama Power Station (Kochi Prefecture, Japan).

The Nagayama Hydroelectric Power Station has been in operation since 1960, and with over 60 years having passed, the equipment needs maintenance for aging management. J-POWER will comprehensively update the main facilities, such as the water turbine and generators, to improve reliability, to rationalize operations, and to save on labor costs.

The maximum water intake (flow) will be increased in addition to adopting highly efficient water turbines and generators based on the latest designs. The expected power output will go up by 2,500 kW, or from 37,000 kW to 39,500 kW.

J-POWER will begin construction—with the understanding and cooperation of local residents and others—while putting safety first and preserving the environment.

J-POWER has implemented six modernization constructions, and the Nagayama Power Station is the seventh project. The J-POWER Group is committed to expanding the introduction of renewable energy projects to achieve carbon neutrality, as stated in JPOWER BLUE MISSION 2050 in February 2021.



Exterior view



Inside (power generation equipment)

### 1. Overview of Nagayama Hydroelectric Power Station

Location	Kitagawa Village, Aki District, Kochi Prefecture, Japan
Capacity	37,000 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. Schedule

October 31, 2023	Modernization begins
FY 2024	Unit 2: start of commercial operation (planned)
FY 2025	Unit 1: start of commercial operation (planned)

## 3. Location

