



News Release

April 21, 2023
Electric Power Development Co., Ltd.

Suezawa Hydroelectric Power Station: Modernization Begins

Start of Comprehensive Renovations for Hydroelectric Power Station Operating over 60 Years

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Toshifumi Watanabe) announced that the Suezawa Hydroelectric Power Station (Niigata Prefecture, Japan) began modernization (renovations) of the main facilities, including the water turbine and generators, on April 19, 2023.

The Suezawa Hydroelectric Power Station has been in operation since 1958, and with over 60 years having passed, the equipment has aged. 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.

By introducing a new type of water turbine (developed inhouse*), the maximum water intake will be increased from 6.2 tonnes to 8.6 tonnes per second. This upgrade will boost the power output from 1,500 kW to 2,200 kW and increase the amount of electricity generated. Completion of construction and resumption of operations are scheduled for November 2024.

With the understanding and cooperation of local residents and other related parties, J-POWER will begin construction that will both preserve the environment and put safety first.

J-POWER has implemented five modernization constructions, and the Suezawa Power Station is the sixth project. The J-POWER Group is committed to expanding the introduction of renewable energy projects to achieve carbon neutrality, as stated in [J-POWER BLUE MISSION 2050](#) in February 2021.



Exterior view



Inside (power generation equipment)

[* J-POWER to Introduce New Inhouse-Developed Water Turbines—First Water Turbine Designed by an Electric Power Company in Japan— \(announced September 16, 2021\)](#)

1. Overview of Suezawa Hydroelectric Power Station

Location	Unuma City, Niigata Prefecture, Japan
Capacity	1,500 kW (combined output of Units 1 and 2)
Maximum water consumption	6.2 tonnes per second
Dam	Hiraishi Intake Dam (crest length:38.5 m, height: 11 m)
Start of operations	February 1958

2. Location

