



News Release

March 22, 2023
Electric Power Development Co., Ltd.

Ashoro Hydroelectric Power Station Unit 1 Begins Commercial Operation: Comprehensive Renovations Completed for Plant Operating over 60 Years

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Toshifumi Watanabe) announced that Ashoro Hydroelectric Power Station Unit No.1 began commercial operations on March 21, 2023, after completing modernization (renovations) of the main facilities that began in June 2021.

With over 60 years passing since Ashoro Hydroelectric Power Station started commercial operation (in 1955), we have been, since 2019, renovating the water turbine generator and other major equipment to improve reliability and maintenance. After renovations, by applying cutting-edge analysis and design technology, the capacity of Unit 1 was increased by 1,150 kw to 21,250 kW.

Unit 2 also completed a comprehensive renovation program, including the water turbine generator and other major equipment (commercial operation began on February 19, 2021),¹ bringing the total installed output of Units 1 and 2 to 42,300 kW.

Currently, the power grid connected to Ashoro has no more capacity, so it is not possible to transmit electricity in excess of the installed capacity of 40,000 kW. However, in the future we plan to transmit up to 42,300 kW through non-farm type connections.²

Based on our experience and track record operating hydroelectric power plants throughout Japan, we will continue working on the sustainable development and stable operation of hydroelectric power generation and other renewable energy projects to achieve carbon neutrality, as stated in J-POWER BLUE MISSION 2050 in February 2021.



Installing rotor
(December 2022)



Inside the power plant
(front: Unit 1, back: Unit 2)

Notes

1. Ashoro Hydroelectric Power Station Unit No. 2 Commenced Commercial Operation after Renewal Works (announced on March 1, 2021)
2. A non-farm type connection sends the increased output (2,300 kW) by using surplus transmission capacity and substation services when they are available. If the maximum capacity of the transmission lines and substation is exceeded, output will be cut back. As Ashoro Hydroelectric Power Station has a transmission and substation capacity of 40,000 kW, only the increased output (2,300 kW) will be connected in a non-farm type connection.

Overview of Ashoro Hydroelectric Power Station

Location	Ashoro Town, Hokkaido, Japan
Capacity	Unit 1: 21,150 kW Unit 2: 21,150 kW
Authorization output	40,000 kW
Maximum water consumption	56.0 m ² /s
Dam	Kakkomi Dam (crest length:185 m, height: 34 m)
Start of operations	October 1955

Location

