

Electric Power Development Co., Ltd.

## **Ashoro Hydroelectric Power Station Increases Maximum Output**

### **Increase in Grid Connection Capacity Through Non-Firm Type Connections**

Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President and CEO: Hitoshi Kanno) announced that the maximum output of Ashoro Power Station (located in Ashoro-cho, Ashoro-gun, Hokkaido) has increased from 40,000 kW to 42,300 kW.

Ashoro Power Station completed its modernization in March 2023, which included a comprehensive upgrade of major equipment, including the water turbine generator<sup>1</sup>. The 2,300-kW output increase resulting from the modernization was originally planned to be transmitted through non-firm type connections<sup>2</sup>. However, with the recent implementation of new connection rules for "redispatch systems that apply output control sequentially (in a specified order) for both adjustable and non-adjustable power sources"<sup>3</sup>, it is now possible to connect the additional 2,300 kW from the modernization using a non-firm type connection, resulting in an increase in the power station's maximum output.

The J-POWER Group will continue to expand its renewable energy business to achieve carbon neutrality, as stated in the [J-POWER BLUE MISSION 2050](#), building on its experience and track record in developing and operating hydroelectric power stations throughout Japan.

1. March 22, 2023: [Ashoro Hydroelectric Power Station Unit 1 Begins Commercial Operation](#)
2. A power grid's transmission and substation facilities do not always use their maximum capacity. A non-firm type connection uses the spare capacity when available to output the increased power. If the maximum capacity of the transmission and substation facilities 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 via a non-firm type connection.
3. July 29, 2022: Organization for Cross-regional Coordination of Transmission Operators, ["Implementation of Redispatch System \(in Specified Order\) in December 2023"](#) (Japanese only)



Ashoro Power Station (exterior view)

(1) Overview of Ashoro Hydroelectric Power Station

Location	Ashoro-cho, Ashoro-gun, Hokkaido
Capacity	40,000 kW → 42,300 kW
Maximum water consumption	56 tonnes per second
Dam	Kakkomi Dam (crest length:185 m, height: 34 m)
Start of operations	October 1995

(2) Location Map

