

New Hydroelectric Power Plant Begins Operations, Expanding the Use of Clean Energy

~ Commercial Operation of New Himekawa No. 6 Power Plant Commences ~



New Himekawa No. 6 Power Plant

Denka Company Limited (headquarters: Chuo-ku, Tokyo; president: Toshio Imai; hereinafter “Denka”) announced that Denka and Kurobegawa Electric Power Company (headquarters: Chiyoda-ku, Tokyo, president: Shuichi Hirai; hereafter “Kurobegawa Electric Power”), its joint venture with Hokuriku Electric Power Company (headquarters: Toyama-shi, Toyama Prefecture, president: Koji Matsuda; hereafter, Hokuriku Electric Power), began the commercial operation of New Himekawa No. 6 Power Plant, a new hydroelectric power plant in Itoigawa-shi, Niigata Prefecture, on April 5.

New Himekawa No. 6 Power Plant will have a maximum output of 27,900 kW and is expected to generate a maximum of 87.7 million kWh of power annually (net gain), one of the largest capacity natural inflow power plants in Japan. The operation of this plant will contribute to reducing CO₂ emissions by 44,000 tons per year and to expanding the use of clean energy towards the achievement of carbon neutrality by 2050.

Denka has operated hydroelectric power plants enabling it to generate its own power for over 100 years, and currently has 16 hydroelectric power plants, including Kurobegawa Electric Power, in the Himekawa and Omigawa drainage basins. With the addition of New Himekawa No. 6 Power Plant, Denka now owns 17 hydroelectric power plants*, yielding a total maximum output of approximately 140,000 kW, equivalent to the power used by around 180,000 households, and boasts the second-largest capacity in the domestic private manufacturing sector.

Denka's goal is to be a company that is irreplaceable to society, which creates a better world for all through the work it can perform better than anybody and using the SDGs as a compass while moving forward to expand the use of clean energy towards the achievement of carbon neutrality.

1. Outline of New Himekawa No. 6 Power Plant

- Location :Omaki, Kotaki, Itoigawa-shi, Niigata Prefecture
- Maximum output: : 27,900 kW
- CO₂ emissions reduction :44,000 tons CO₂ per year
- Power generation system :Natural inflow type

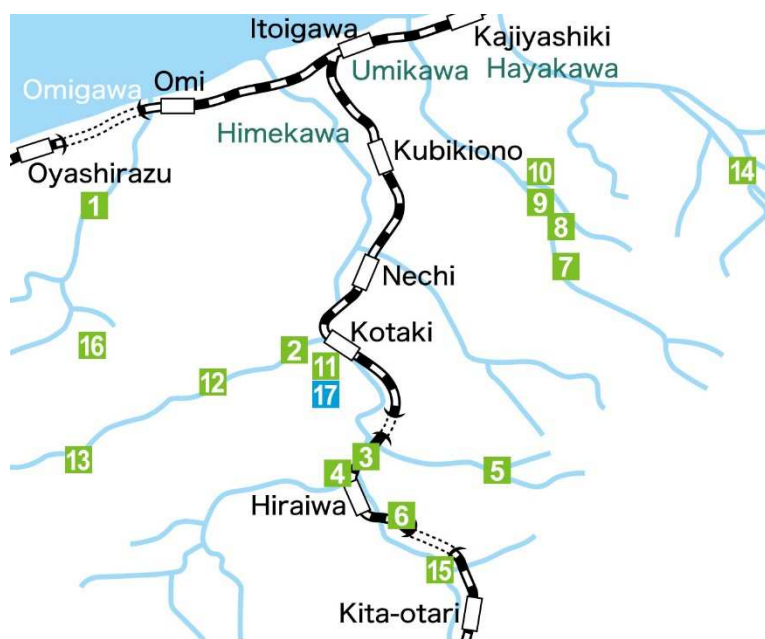
2. Outline of Kurobegawa Electric Power Company

- Headquarters: 3-2-1 Kasumigaseki, Chiyoda-ku, Tokyo
- Established: October 20, 1923
- Capital: 3 billion yen (Equity ratio: Denka Company Limited: 50%, Hokuriku Electric Power Company: 50%)
- The number of power plants owned by Kurobegawa Electric Power: 6 Power Plants
- Total maximum output: 94,800 kW (Utilized by parent companies in accordance with equity ratio)

*Please see the official website of Kurobegawa Electric Power Company. (Japanese Only)

<http://www.kurobegawa-denryoku.com/>

*Map of Denka's Hydroelectric Power Plants (17 power plants in total)



*11–15 are owned by Kurobegawa Electric Power Company New Himekawa No. 6 Power Plant, which has just commenced the transmission of power, is 17.

[For Reference: Previous press release related to the Subject Matter (Denka's Official Website)]

- January 29, 2021 “Transmission of Power from the New Omigawa Power Plant Commences”
Expanding Use of Clean Energy towards the Achievement of Carbon Neutrality by 2050
https://www.denka.co.jp/eng/storage/news/pdf/321/20210129_denka_shinomi_en.pdf
- February 15, 2017 “Notice regarding the Construction of a New Hydroelectric Power Plant to Be Operated by Kurobegawa Electric Power”
https://www.denka.co.jp/eng/storage/news/pdf/163/20170215_shinhimeroku_e1.pdf

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