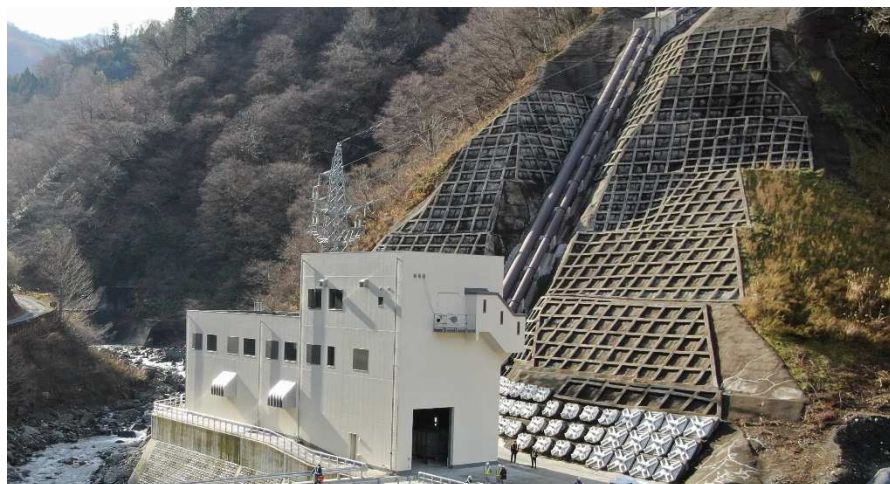


## Transmission of Power from the New Omigawa Power Plant Commences Expanding Use of Clean Energy towards the Achievement of Carbon Neutrality by 2050



<New Omigawa Power Plant: Building>

Denka Company Limited (headquarters: Chuo-ku, Tokyo; president: Manabu Yamamoto; hereinafter “Denka”) announces that transmission of power from the New Omigawa Power Plant—a newly completed hydroelectric power plant in Itoigawa City, Niigata Prefecture—commenced as of Today .

Denka determined the construction of the New Omigawa Power Plant in January 2014, with the objectives of expanding its use of environmentally-friendly clean energy and strengthening its business base. In constructing the plant, Denka introduced the latest remote operation functionality and sought to install greater strength power generation equipment, in order to enable long-term stable operation and ensure resilience against natural disasters, such as intensive heavy rainfall. The plant was completed over a period of around six years, with the cooperation and support of relevant government agencies and local stakeholders. The operation of the new plant will contribute to reducing CO<sub>2</sub> emissions by 13,000t per year. After selling to power companies for a period of around 20 years via the FIT scheme (\*1), Denka plans to use power generated by the plant for its own power needs.

Denka has operated hydroelectric power plants to generate its own power for over 100 years (\*2), and currently has a total of 16 hydroelectric power plant locations (including the New Omigawa Power Plant) in the Himekawa and Omigawa drainage basins. The hydroelectric power plants used by Denka in generating its own power have a total power generation capacity of 126,000kW, making Denka one of the leading private companies in Japan in terms of scale of self-sufficient power generation. This capacity equates to the power used by around 170,000 households.

Denka is also advancing the construction of the New Himekawa Power Plant No. 6 in Itoigawa (scheduled to begin transmitting power in April 2022) via the Kurobegawa Electric Power Company, a joint venture between Denka and Hokuriku Electric Power Company. This new plant is expected to contribute to reducing CO<sub>2</sub> emissions by 22,000t per year, and increase Denka's total hydroelectric power generation capacity to a maximum output of 140,000kW.

Using the Sustainable Development Goals (SDGs) as its compass, Denka is considering further expanding its use of clean energy towards its goal of achieving carbon neutrality (zero net greenhouse gas emissions) by 2050. Moving forward, Denka will continue contributing to the creation of a sustainable society through corporate activities that give consideration to the global environment, and by advancing various initiatives relating to environmental conservation and protection.

## 1. Outline of New Omigawa Power Plant

- (1) Name: New Omigawa Power Plant
- (2) Location: Itoigawa City, Niigata Prefecture
- (3) Maximum output: 8,100kW
- (4) Investment: approx. 10 billion yen

## 2. Impact on consolidated financial results for FY2020

This matter has no impact on consolidated financial results for FY2020

## 3. Map of Denka hydroelectric power plant locations (17 locations, including hydroelectric power plants currently under construction) \*Japanese



\* (11)– (15) are owned by Kurobegawa Electric Power Company (16) is the New Omigawa Power Plant (17) is the New Himekawa Power Plant No. 6, which is currently under construction

(\*1) FIT (Feed-in Tariff) scheme

A fixed-price purchasing scheme for renewable energy. It is a policy mechanism designed to stimulate widespread adoption of renewable energy technologies, whereby power companies purchase power generated using renewable energy sources at a fixed price, for a fixed period of time.

(\*2) A 100-Year History of Hydroelectric Power Plants in Denka Co., Ltd. (Denka's Official YouTube channel)

<https://www.youtube.com/watch?v=3o3izuOOD4c>

## References

- "Denka Decides to Invest Approximately ¥3.7 billion Yen with an Eye toward the Achievement of Greenhouse Gas Emission Targets ~ Reduction of at least 12,000 tons of CO2 Emissions Annually through the Introduction of a High-Efficiency Gas Turbine Power Generator ~"

[https://www.denka.co.jp/eng/storage/news/pdf/296/20200831\\_denka\\_greenhousegas\\_reduction\\_en.pdf](https://www.denka.co.jp/eng/storage/news/pdf/296/20200831_denka_greenhousegas_reduction_en.pdf)

- "Notice regarding the Construction of a New Hydroelectric Power Plant to Be Operated by Kurobegawa Electric Power", November 15, 2017

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- "Groundbreaking Ceremony Is Held for New Hydroelectric Power Plant in Itoigawa City", October 17, 2014

[https://www.denka.co.jp/storage/news/pdf/295/20141017\\_shin\\_omigawah.pdf](https://www.denka.co.jp/storage/news/pdf/295/20141017_shin_omigawah.pdf) \*Japanese

## About Denka

Denka is a chemical manufacturer headquartered in Chuo-ku, Tokyo. The company specializes in developing business activities on a global scale across a wide range of fields, from inorganic and organic chemicals, to electronic materials and pharmaceuticals. Founded in 1915, Denka has steadily continued to develop and manufacture products that contribute to the development of society by fully utilizing its unique concepts and technological capabilities. Upholding its corporate slogan, "Possibility of chemistry," the company and its president, Manabu Yamamoto, are committed to contributing to the sound development of the society while sincerely tackling the challenges that the society is now confronting.

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