

## NEG Begins Solar Power Generation Utilizing the Self-wheeling System at the Shiga-Takatsuki Plant

– Achieving an Annual CO<sub>2</sub> Reduction of Approximately 500 Tons –

Nippon Electric Glass Co., Ltd. (Head Office: Otsu, Shiga, Japan; President: Akira Kishimoto; “NEG”) has newly installed a solar power generation facility at an off-site location for its Shiga-Takatsuki Plant (Nagahama, Shiga) and commenced operation on February 1, 2026. The electricity generated will be supplied to the Shiga-Takatsuki Plant utilizing Japan’s self-wheeling system\*.

The facility is expected to generate approximately 1,200 MWh of electricity annually, equivalent to the electricity consumption of around 300 households. This initiative is projected to reduce CO<sub>2</sub> emissions by approximately 500 tons per year.

\*The self-wheeling system is a mechanism that allows businesses owning power generation or storage facilities to transmit electricity they generate or discharge to their own sites (such as factories or business locations) via the transmission and distribution networks operated and maintained by general power transmission and distribution utilities.



### ■ Background and Future Initiatives

NEG aims to achieve carbon neutrality by 2050 and is working to reduce CO<sub>2</sub> emissions at its sites both in Japan and overseas.

The Shiga-Takatsuki Plant has been operating an on-site solar power generation system on a full scale since April 2023. The newly introduced facility is part of NEG’s efforts to further expand the

use of renewable energy by utilizing electricity generated off-site and delivered to the plant by utilizing the self-wheeling system.  
NEG will continue to promote the use of renewable energy as part of its sustainability initiatives.

[Related Press Release]

Start Operation of a Mega Solar System at Shiga-Takatsuki Plant (March 30, 2023)

<https://www.neg.co.jp/en/news/20230330-6568.html>

#### ■ Overview of the Solar Power Generation Facility

- Installation location: Kashihara, Takatsuki, Nagahama, Shiga, Japan (1.6 km from the Shiga-Takatsuki Plant)
- Annual power generation: Approximately 1,200 MWh
- Estimated annual CO<sub>2</sub> reductions: Approximately 500 t-CO<sub>2</sub>
- Start of power generation: February 2026

[Related website]

Addressing Climate Change

<https://www.neg.co.jp/en/sustainability/environment/climate/>

#### [Company Profile]

Nippon Electric Glass Co., Ltd. is a world-class specialty glass manufacturer headquartered in Otsu City, Shiga Prefecture. Special glass that creates novel functionality is transformed into a variety of products, such as sheets, tubes, fibers, and powder, and is used in a wide range of fields, including semiconductors, displays, automobiles, electronic devices, medical care, and energy. The special glass developed using the technology and track record that we have honed over our 70-year history is highly regarded in a wide range of fields, from everyday life to cutting-edge industry.

Company name: Nippon Electric Glass Co., Ltd.

Representative: Akira Kishimoto, President

Head office location: 7-1, Seiran 2-chome, Otsu, Shiga 520-8639, Japan

Founded: December 1, 1949

Business details: Production and sale of special glass products; manufacture and sale of glassmaking machinery

URL: <https://www.neg.co.jp/en/>

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[Inquiry about Company | Nippon Electric Glass \(NEG\)](#)