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To whom it may concern,

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## Notice Regarding the Establishment of a "System Storage Facility Business Research and Planning Office" at Subsidiary Tamagawa Energy Co., Ltd.

We are pleased to announce that we have established a "System Storage Facility Business Research and Planning Office" within our subsidiary, Tamagawa Energy Co., Ltd., which is engaged in renewable energy businesses, and have decided to commence research and planning for grid-connected energy storage system businesses.

### 1. Summary

We have been working to promote the spread of renewable energy through the development of solar, small wind, geothermal, and small hydroelectric power plants (407 units/61,222 kwh in total, of which 109 units/5,871 kwh are currently owned). Recently, we have decided to launch the

"System Storage Facility Business Research and Planning Office" in order to begin research and study on entering the grid storage power plant business, which is considered essential for the further diffusion of renewable energies.

The "System Storage Facility Business Research and Planning Office" will gather personnel from various departments across the company to first research and study the grid energy storage facility business, and then proceed with studies and preparations for the establishment of a business model for the grid energy storage facility business, including the selection of candidate sites for grid energy storage facility development and the purchase, installation, and operation of energy storage facility systems. We will also study and prepare for the establishment of a business model for the grid storage facility business.

### 2. About the System Storage Power Station Business

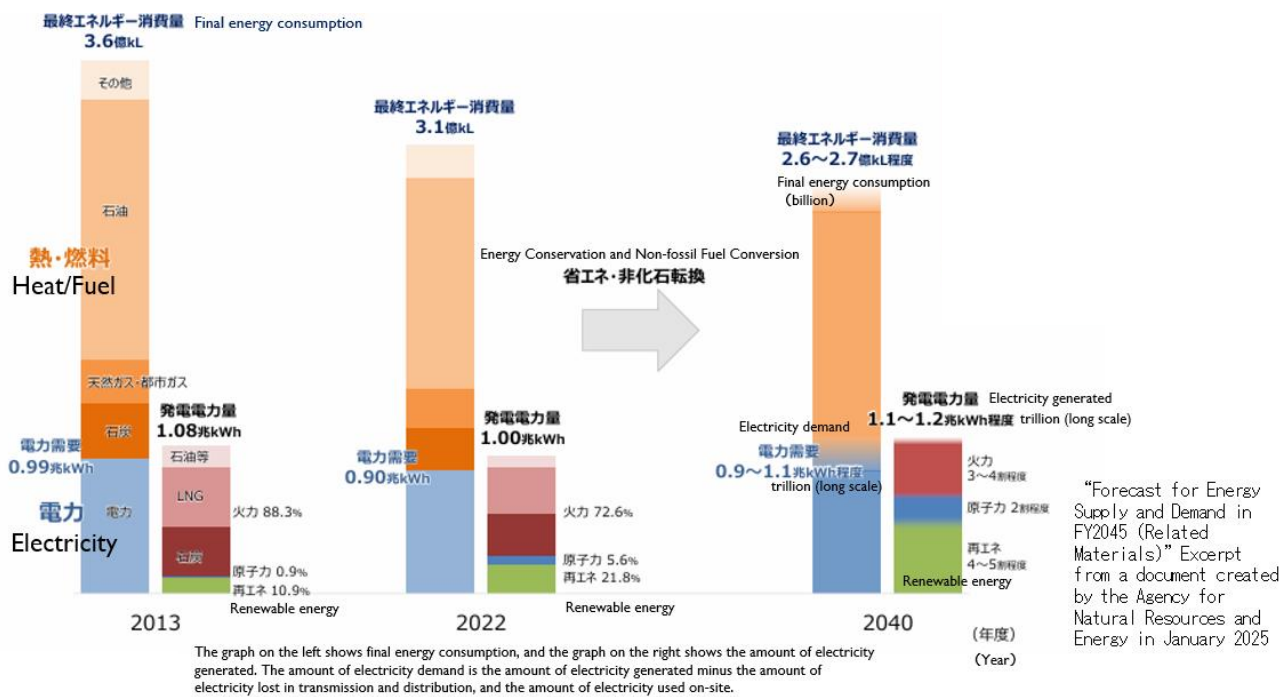
#### (1) Positioning of renewable energy

According to the "Seventh Basic Energy Plan (formulated by the Ministry of Economy, Trade and Industry)" approved by the Cabinet in February 2025, the amount of electricity generated in Japan is expected to increase from 1.00 trillion kwh in 2022 to 1.1 to 1.2 trillion kwh in 2040, Of this amount, renewable energy sources are expected to increase from 0.2 trillion kwh in 2022 to 0.44 to 0.60 trillion kwh in 2040, and plans are shown to cover the increase in power generation with renewable energy sources (Figure 1).

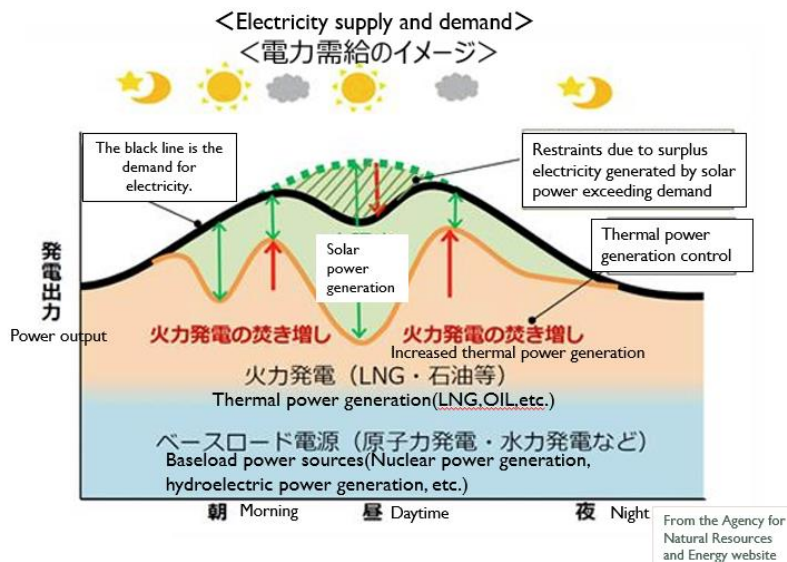
In addition to the fact that renewable energies are affected by weather conditions such as sunlight and wind power, solar power plants can only generate power during daytime hours, and the necessary amount of power generation cannot be stably supplied.

On the other hand, if the amount of electricity generated does not match the amount of electricity demanded, it can cause large-scale power outages, making it essential to match supply with demand. For this reason, when the supply of solar power generation exceeds demand during the daytime, the supply of generated power is stopped, resulting in a situation where the power is abandoned (Figure 2).

[Figure 1: Outlook for Energy Supply and Demand (Image)]



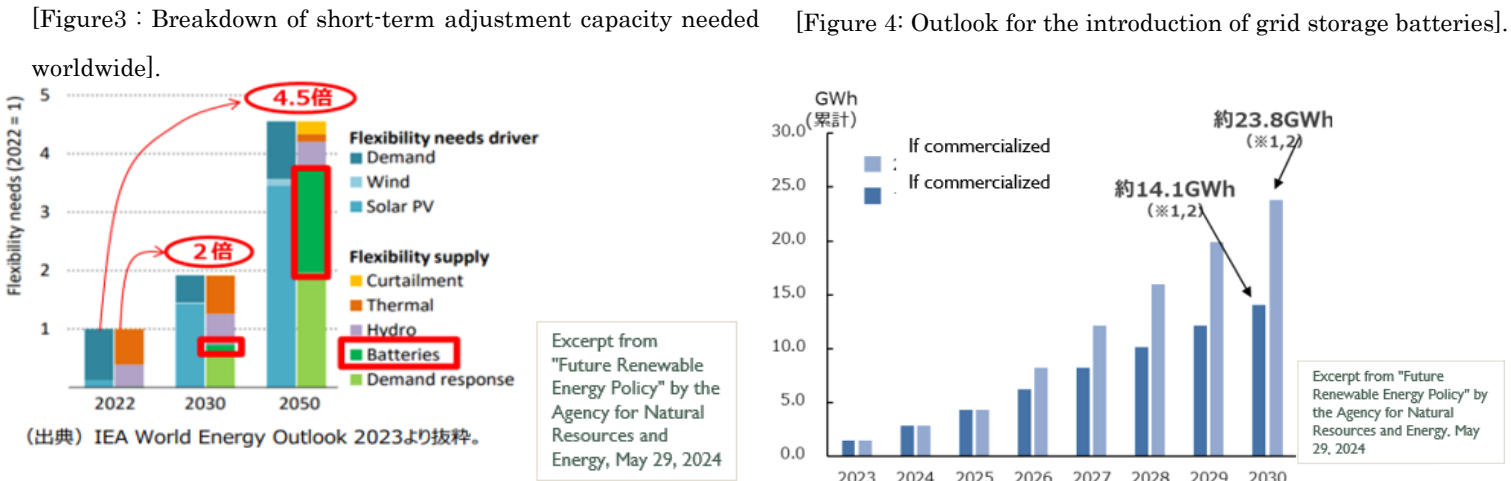
[Figure 2] Image of Electricity Supply and Demand



## (2) Direction of energy short-term adjustability

In response, efforts to strengthen short-term energy adjustment capacity have begun worldwide. The International Energy Agency (IEA) estimates that the world's total short-term adjustment capacity (short-term energy storage capacity) will need to be twice as large in 2030 as it was in 2022, and 4.5 times as large in 2050, and predicts that by 2050, more than 1/3 of that short-term adjustment capacity will be accounted for by storage facilities (Figure 3).

In Japan, studies of power generation projects using grid storage batteries have been expanding in the near future, and the Agency for Natural Resources and Energy also predicts that the introduction of grid storage batteries will accelerate in the future (Figure 4).



(3) Future renewable energy business in our company

In addition to our existing solar power generation and wind power generation businesses, we will accelerate our investigation and study of grid storage power plant business to make further social contributions toward the realization of a decarbonized society.

(Source URL)

Figure 1: The Seventh Basic Energy Plan (Ministry of Economy, Trade and Industry)

<https://www.meti.go.jp/press/2024/02/20250218001/20250218001.html>

Figure 2: Arrangement of discussions to date on the formulation of the next basic plan for energy (Agency for Natural Resources and Energy)

[https://www.meti.go.jp/shingikai/enecho/denryoku\\_gas/saisei\\_kano/pdf/071\\_01\\_00.pdf](https://www.meti.go.jp/shingikai/enecho/denryoku_gas/saisei_kano/pdf/071_01_00.pdf)

Figure 3: Current status and issues of grid storage batteries (Agency for Natural Resources and Energy)

[https://www.meti.go.jp/shingikai/enecho/denryoku\\_gas/saisei\\_kano/pdf/062\\_05\\_00.pdf](https://www.meti.go.jp/shingikai/enecho/denryoku_gas/saisei_kano/pdf/062_05_00.pdf)

Figure 4: Current status and issues of grid storage batteries (Agency for Natural Resources and Energy)

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