

24th August, 2023

Toho Gas CO., Ltd.

OMRON SOCIAL SOLUTIONS CO., LTD.

Toho Gas and OMRON to Start Demonstration of New Electricity Service Using Home-Use Storage Batteries

Toho Gas Co., Ltd. (President: Nobuyuki Masuda, hereinafter "Toho Gas") and OMRON SOCIAL SOLUTIONS CO., LTD. (President: Katsuhiro Shikata, hereinafter "OSS") will start a verification test of a new electricity service using household storage batteries from September 2023.

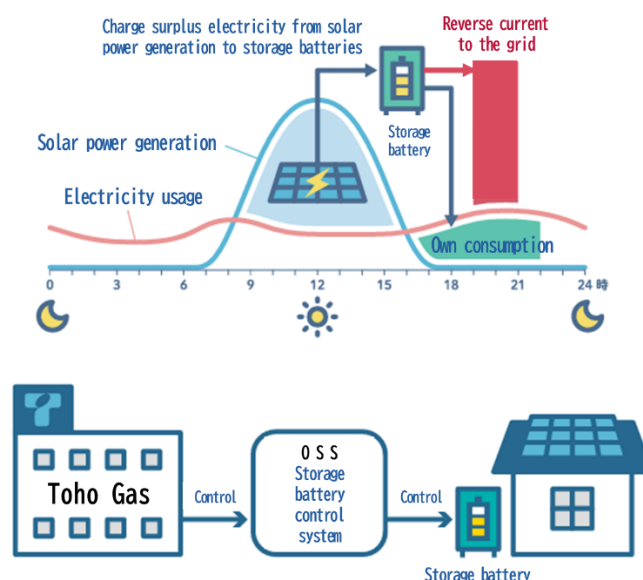
In this service, Toho Gas will discharge storage batteries installed at customers' sites using OSS's "POWER JUGGLING" *1 storage battery remote control service at times of tight power supply and demand, and purchase the reverse power flow *2 resulting from the discharge. This is the first service in Japan to purchase reverse power flow from household storage batteries.

Through the verification test, we will verify customer satisfaction with the service and aim for the early commercialization of a virtual power plant (VPP) *3.

Toho Gas and OSS will continue to work together to realize a sustainable society and expand services to meet the diverse needs of customers.

[Summary of the verification test]

Term	September 2023 - September 2024 (Applications will be closed as soon as the number of units reaches 50)
Coverage	Owners of OSS storage batteries *4 and photovoltaic power generation systems who have an electricity contract with Toho Gas and a graduated FIT electricity sales contract.
Purchase unit price	Per kWh Total of (1) to (3) + ¥3 (1) Unit charge per kWh *5 (2) Surcharge for promoting renewable energy generation (3) Fuel cost adjustment unit price
role-sharing	<ul style="list-style-type: none">• Toho Gas Storage battery control, reverse power flow power purchase, Verification of results, etc.• OSS Provision of storage battery control system, Development of functions based on verification, etc.



*1 A service that receives control instructions from retail electric power companies, etc. for OSS storage batteries (Multi Energy Storage Platform ®KBPB-A series) connected to the network.

*2 Electricity that flows from the demand of electricity, such as a home, to the power grid.

*3 Control of distributed power sources (power generation facilities, storage batteries, EVs, etc.) and demand facilities together as if they were a single power plant.

*4 The single-function energy storage system of the Multi-Energy Storage Platform® is covered.

*5 The unit price of the electricity volume rate for the second stage of Toho Gas' Family Plan (40A or higher).

About Toho Gas Co., Ltd.

For 100 years since its establishment in 1922, the Toho Gas Group has grown and developed together with the local community through the sale of city gas, LPG, and electricity as an energy provider with deep roots in the Tokai region. While continuing to ensure energy safety, security, and stable supply, Toho Gas will contribute to regional development and the realization of a sustainable society by promoting carbon neutrality and expanding its service menu to benefit people's lives and businesses.

About OMRON SOCIAL SOLUTIONS CO., LTD.

OMRON SOCIAL SOLUTIONS CO., LTD. has created many world-first and Japan-first social and public systems, including automated ticket gates and other station automation systems, using its unique automation technology. Going forward, OSS will continue to contribute to the creation of a safe, secure, and comfortable society by quickly identifying social issues such as labor shortages, energy, and resilience, and by building solutions with cutting-edge technologies such as IoT, AI, and robotics, software, and total service including operation and maintenance.