



WASEDA University
早稲田大学



**First in Japan: Waseda University and TEPCO HD Conduct Peak Electricity Demand
Reduction Experiment Through Examination Rescheduling
– Confirming the Potential of a New Demand Response Model for University Campuses
Through the Cooperation of Students and Faculty –**

October 27, 2026

Waseda University

Tokyo Electric Power Company Holdings, Inc.

Waseda University and Tokyo Electric Power Company Holdings, Inc. (hereinafter referred to as “TEPCO HD”) conducted an experiment to reduce peak electricity demand on a university campus by rescheduling an examination date. This is the first initiative in Japan to evaluate the impact of university examination rescheduling on electricity demand.

Since concluding the Basic Agreement on Comprehensive Collaboration Toward the Realization of a Carbon-Neutral Society in December 2022 ([previously announced on December 13, 2022, Japanese only](#)), the two organizations have been working together to study electricity demand characteristics on university campuses and patterns of electricity use by students, faculty, and staff. In this project, with careful consideration given to students’ learning opportunities, examination operations, and the burden on students during periods of extreme heat, Waseda University rescheduled the final examination for one course from July 21 to July 28, 2026, and assessed its impact on reducing peak electricity demand.

Unlike conventional demand response (DR) programs, which mainly focus on controlling equipment such as air-conditioning systems and battery storage systems, this field trial explored a novel approach by focusing on changes in human behavior through the rescheduling of examination dates and assessing the potential to shift electricity demand itself.

Using measurement equipment and other monitoring systems installed by the TEPCO HD Research Institute, the demand reduction effect was assessed. As a result, a peak demand reduction of 10 kW was confirmed during the rescheduled examination, and it was further estimated that implementing a similar initiative across the entire Nishi-Waseda Campus could achieve a peak demand reduction potential of approximately 390 kW.

Going forward, the two organizations will leverage the insights gained through this project to further enhance energy management for universities through the integration of demand forecasting, DR, and energy-use optimization, while also examining the potential for deploying demand

adjustment methods that harness changes in human behavior.

Waseda University and TEPCO HD will continue to work closely together to advance initiatives toward the realization of a carbon-neutral society.

- Appendix: [Detailed Results of the Demonstration Effectiveness Evaluation](#)
- Reference: [DR Activities and Student Survey Results \(Waseda University Website, Japanese only\)](#)