

Full revision for Japan's decarbonization by 2050!!

Simulation of Output Curtailment of PV Power Generation in Japan toward 2050 (7th Edition)

[August 2024] [Original Japanese in April 2024]

“Simulation of Output Curtailment of PV Power Generation (First Edition in 2016 to the 6th Edition in 2023)” has been well received by our clients engaging in the PV business, including project developers and financial institutions. Subsequently, we received requests from related industries for output curtailment simulations in response to the introduction of renewable energy toward carbon neutrality by 2050. In addition to **aligning the installed capacities of PV and wind power generation, grid enhancement, and installed capacity of storage batteries with the target values and planning status toward carbon neutrality by 2050**, we have **completely reviewed other preconditions** and **re-calculated the overall simulation**.

We simulated and analyzed the **amount of output curtailment, the output curtailment rate, and the output curtailment period** from 2023 to 2050 for **each service area of the electric power companies** in Hokkaido, Tohoku, Tokyo, Chubu, Hokuriku, Kansai, Chugoku, Shikoku, Kyushu, and Okinawa under two scenarios: the **"Business as Usual (BAU) scenario"** in line with the current policy developments and the **"Accelerated (ACC) scenario"** under which further promotion of introduction is expected.

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- Summary of analysis results and implications gained from the analysis
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Overview

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