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Micronesia energy storage power station sacrifice



Overview

Is excessive energy storage a threat to China's power system?

But the risks for power-system security of the converse problem — excessive energy storage — have been mostly overlooked. China plans to install up to 180 million kilowatts of pumped-storage hydropower capacity by 2030. This is around 3.5 times the current capacity, and equivalent to 8 power plants the size of China's Three Gorges Dam.

Is excessive energy storage a problem?

Spyros Foteinis highlights the acknowledged problem that an insufficient capacity to store energy can result in generated renewable energy being wasted (Nature 632, 29; 2024). But the risks for power-system security of the converse problem — excessive energy storage — have been mostly overlooked.

Should power-dispatch authorities be involved in energy expansion?

Expansion of the capacity to generate energy must align with the capacity to store it. Plans for both must also integrate power-grid improvements, and power-dispatch authorities should have a bigger part in developing the overall strategy. Nature 633, 286 (2024)

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Directly connected to the grid from its strategic location at Sendai Power Station, the BESS went into operation on 20 May ahead of last week's official announcement. Energy-Storage.news" ...

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torage Project, Tehachapi, California. A battery energy storage system (BESS), battery storage power station, battery energy grid storage (BEGS) or battery grid storage is a type of energy ...

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