

Power Generation and Energy Storage Projects 2025





Overview

Will solar power and battery storage lead new generating capacity additions in 2025?

Solar power and battery storage are expected to lead new U.S. generating capacity additions in 2025, according to the Energy Information Organization (EIA). The EIA expects 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. grid in 2025.

How many MW of energy storage will come online in 2025?

Additionally, 15,306 MW of energy storage are scheduled to come online in 2025. The largest share of capacity slated to come online in 2025 is from solar facilities (74%). Wind capacity makes up the next largest portion of projected new capacity in 2025 at 18%, and natural gas makes up 7%.

What solar projects are coming to the power grid in 2025?

This year, massive solar farms, offshore wind turbines, and grid-scale energy storage systems will join the power grid. Dozens of large-scale solar, wind, and storage projects will come online worldwide in 2025, representing several gigawatts of new capacity. The Oasis de Atacama in Chile will be the world's largest storage-plus-solar project.

Will battery storage set a record in 2025?

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record growth in 2024 when power providers added 10.3 GW of new battery storage capacity.

How many GW of battery storage will be built in 2025?

In 2025, over 31 GW of new storage capacity is expected to be built. California and Texas are the leaders in battery storage. The California Independent System Operator (CAISO) is set to add about 6 GW of storage next year, while



Texas plans to add nearly 12 GW. Storage growth is important because it makes renewable energy more reliable.

How many new energy projects are planned in 2025?

Each part of the U.S. energy grid has its own plans for new projects in 2025. These include the following: ERCOT (Texas): 27 GW of new capacity, with only 574 MW of retirements. Major growth in solar and batteries. PJM (Mid-Atlantic and Midwest): 7 GW of new projects, mostly solar. About 3 GW of fossil fuel plants will retire.



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Colorado Springs Utilities to Issue RFPs for New Generation, Energy Storage

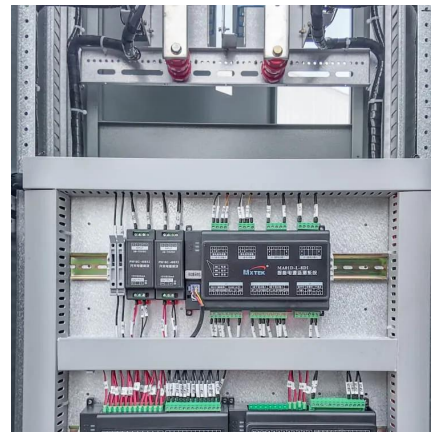
Colorado Springs Utilities in July will issue two requests for proposals for 1,500 megawatts of new electric generation and 100 MW of energy storage. The target for ...

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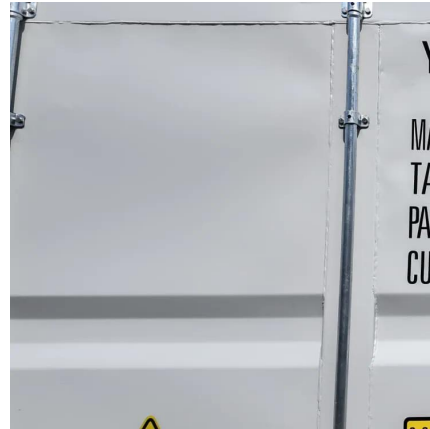
[Renewables dominate pipeline of new power projects in 2025](#)

MANILA, Philippines -- Nearly 7,000 developments have been committed to the local



energy sector this year, with clean power projects dominating the arena, government ...

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The Road Ahead: Strong project pipeline, but legacy challenges ...

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CEC Approves World's Largest Solar + Battery Storage Project in ...

The Darden Clean Energy Project will support California's progress to 100% clean electricity, strengthen grid resilience, create local jobs and invest in communities while proving ...

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Australia: The 2025 NEM Battery Energy Storage Pipeline Report

Australia has a massive pipeline of grid-scale battery energy storage projects. 16.5 GW of new battery projects could arrive in the NEM in the next 3 years.

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U.S. solar and energy storage poised for explosive growth 2025

The landscape of energy in the United States is undergoing a significant transformation, with solar power and energy storage poised for remarkable growth by 2025.

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The U.S. plans to add 97 GW of power in 2025, with solar and storage leading the charge. Here's how renewables are reshaping the energy mix.

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[2025 energy transition predictions: Wartsila, CPower ...](#)

Energy storage systems will continue to be increasingly geared towards energy shifting, driven by the ever-growing penetration of intermittent ...

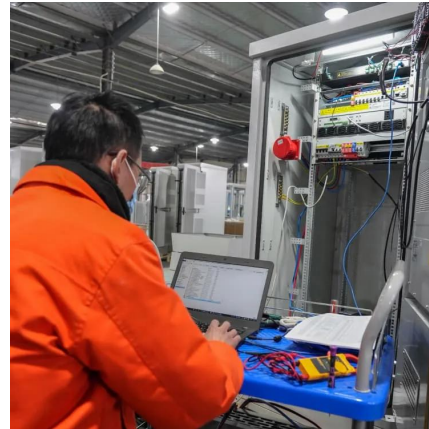
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[America's Electricity Generation Capacity, 2025 Update](#)

The American Public Power Association's annual report on current and imminent electricity generation capacity in the United States breaks down the nearly 1.3 terawatts of utility-scale ...

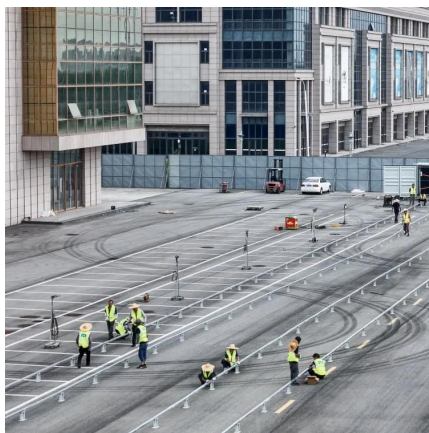
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Top 10 Electric Utility Conferences in 2025

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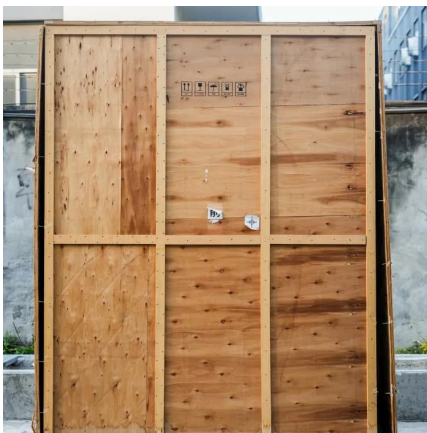




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[The Global Trend of Turning Power Plants Into Clean ...](#)

A handful of sites focus on next-generation energy systems from nuclear power to advanced hydrogen and energy storage. Ten of the battery ...

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[Record-breaking year ahead for US power generation with](#)

The slower growth of wind and gas Wind power and natural gas remain part of the US energy mix, but their contributions in 2025 look modest compared with the explosive ...

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Annual Energy Outlook 2025

In addition to changes to NEMS, we also updated the way we calculate primary energy consumption of electricity generation from noncombustible renewable energy sources such as ...

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