

How much energy storage is being deployed in 2024?

Over 12.3 GW and 37.1 GWh of energy storage was deployed in the U.S. in 2024, Wood Mackenzie and the American Clean Power Association (ACP) reported. This represents 33% and 34% growth respectively over 2023 totals. Grid-scale storage deployments alone are expected to reach 13.3 GW in 2025.

How many states are deploying energy storage?

The remaining 39% was installed in 13 states, said the report. Hallahan said with a robust pipeline and forecasted sustained growth; the U.S. is on a path to deploy over 100 GW of grid-scale storage by 2030. Residential energy storage had a boom year for growth, deploying 1.25 GW in 2024, a 57% leap above 2023 totals.

How big will energy storage be in 2025?

Grid-scale storage deployments alone are expected to reach 13.3 GW in 2025. Across all segments, Wood Mackenzie expects 15 GW of storage deployments, growing another 25% over the record year of 2024. "Energy storage has entered a new phase of growth with its first year of double-digit deployment.

Will energy storage deployment grow in 2025?

Storage deployment grew across all segments and is forecast to grow another 25% in 2025, according to Wood Mackenzie. Across all segments, including residential, commercial and industrial, and utility-scale, energy storage had year-over-year deployment growth in 2024.

How many GW of battery energy storage system commissioned last year?

The report also notes that the US commissioned 11.9 GW of battery energy storage system (BESS) capacity last year, a 55% increase from the previous year, the fifth consecutive year of record-breaking additions. That is across all segments including grid-scale, commercial & industrial (C&I) and residential.

Which states are deploying more energy storage in Q1?

"We're now seeing significant deployment in emerging markets like Indiana, while states across the Southwest like Nevada and Arizona continue to expand their energy storage portfolio," said Noah Roberts, VP of Energy Storage at ACP. Residential storage also set a new record, with 458 MW installed in Q1, the most ever in a single quarter.

According to the U.S. Energy Information Administration (EIA), installed utility-scale battery storage capacity surpassed 15 GW in 2024 and is projected to more than double ...

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With a robust pipeline, the future for energy storage deployment is strong." Vanessa Witte, senior analyst with Wood Mackenzie's energy storage team, said: "Q4 2023 ...

Texas is a leading state for battery storage market deployment. Along with California, the Lone Star state accounted for 61% of 2024 energy storage installed capacity. ...

Texas and California continue to lead the market, with 61% of the total installed capacity in Q4, while the remaining 39% was installed across 13 states, expanding storage ...

The U.S. solar trade body has outlined analysis and policy recommendations for an ambitious energy storage rollout by 2030, including 10 million distributed storage systems.

As part of the U.S. Department of Energy's (DOE's) Energy Storage Grand Challenge (ESGC), this report summarizes published literature on the current and projected markets for the global ...

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