



Distribution of energy storage power stations across the country

Which states are responsible for energy storage?

California, Arizona, and Texas were responsible for 85% of installations. "Energy storage is becoming a mainstay of the power grid, delivering a more resilient and affordable grid," said John Hensley, SVP of Markets and Policy Analysis for ACP.

Why are energy storage resources important?

Energy storage resources have become an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy sources. Currently 23 states, plus the District of Columbia and Puerto Rico, have 100% clean energy goals in place.

How can energy storage support the global transition to clean electricity?

To support the global transition to clean electricity, funding for development of energy storage projects is required. Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight.

Can energy storage improve the performance of the electricity grid?

The energy storage sector in the United States has been thriving in the past years, with several applications to improve the performance of the electricity grid, from frequency regulation and load management to system peak shaving and storing excess renewable energy generation.

How will energy storage affect global electricity production?

Global electricity output is set to grow by 50 percent by mid-century, relative to 2022 levels. With renewable sources expected to account for the largest share of electricity generation worldwide in the coming decades, energy storage will play a significant role in maintaining the balance between supply and demand.

Where can I find data on power plants?

Data is included for all power plants that were operating from 2018 through 2023. See the map link below for more information on sources and notes. Access the map [here](#). Synapse has developed a free-to-use interactive map of power plants in the United States using data from the U.S. Environmental Protection Agency.



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