



# Large-scale energy storage policy





## Overview

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Battery energy storage has become a core component of utility planning, grid reliability, and renewable energy integration. Following a record year in 2024, when more than 10 gigawatts of utility-scale battery storage were installed nationwide, deployment accelerated even. This table includes all existing state energy storage procurement mandates, targets, and goals. These terms describe various ways states may set an intention to attain a specified level of energy storage deployment by a specific date, and the role of regulated electric utilities in helping realize. The Department of Energy's (DOE) Energy Storage Strategy and Roadmap (SRM) represents a significantly expanded strategic revision on the original ESGC 2020 Roadmap. These targets set a required amount of energy storage, typically expressed in megawatts (MW), that must be developed or procured by a certain date. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. 6 GW of capacity was installed, the largest.



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### Grid Energy Storage , PNNL

Energy storage offers an exciting opportunity to increase energy affordability, improve energy security, and usher in a new chapter in grid modernization. PNNL accelerates grid-scale energy storage research within Grid ...

### [Table of State Energy Storage Targets and Progress](#)

These terms describe various ways states may set an intention to attain a specified level of energy storage deployment by a specific date, and the role of regulated electric utilities in helping realize that intention.



### Charging Up: The State of Utility-Scale Electricity Storage in the

This report explores how economic forces, public policy, and market design have shaped the development of stand-alone grid-scale storage in the United States.

### [State by State: A Roadmap Through the Current US ...](#)

All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal.



## Solar, battery storage to lead new U.S. generating capacity additions

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount ...

## Utility-Scale Energy Storage: Technologies and Challenges for an

GAO developed six high-level policy options in response to these challenges. These policy options are provided to inform policymakers of potential actions to address the policy challenges identified in ...



## [Energy Storage Targets , State Climate Policy Dashboard](#)

States can establish energy storage procurement targets to jump-start the development of energy storage systems. These targets set a required amount of energy storage, typically expressed in megawatts ...



## [Energy Storage Strategy and Roadmap .](#)



## Department of Energy

The Department of Energy's (DOE) Energy Storage Strategy and Roadmap (SRM) represents a significantly expanded strategic revision on the original ESGC 2020 Roadmap.



## **Policy Recommendations to Unlock the Value of Long-Duration ...**

Long-duration energy storage (LDES) will play an increasingly important role in decarbonizing the power sector as more variable renewable energy is added to the electric power grid. LDES is defined by the U.S. Depart ...

## **Battery storage projects surge as utilities prepare for next grid era**

Government Market News , Mary Scott Nabers Insights , Battery storage projects surge as utilities prepare for next grid era in 2026 , Battery storage projects nationwide are accelerating ahead of 2026, with ...



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