

# Summary of national policies on energy storage

What are the different types of energy storage policy?

Approximately 16 states have adopted some form of energy storage policy, which broadly fall into the following categories: procurement targets, regulatory adaptation, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.

How effective is energy storage policymaking?

Yet the most effective approaches to energy storage policymaking are far from clear. This report, published jointly by Sandia National Laboratories and the Clean Energy States Alliance, summarizes findings from a 2022 survey of states leading in decarbonization goals and programs.

Does state energy storage policy support decarbonization?

The report highlights best practices, identifies barriers, and underscores the urgent need to expand state energy storage policymaking to support decarbonization in the US. This report and webinar were developed on behalf of the Energy Storage Technology Advancement Partnership (ESTAP).

What is a storage policy?

All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal. Regulatory changes can broaden competitive access to storage such as by updating resource planning requirements or permitting storage through rate proceedings.

Why is energy storage important for the Defense Department?

Accessed May 26, 2021. In addition to the economic imperative for a competitive EV and advanced battery sector, the Defense Department (DoD) requires reliable, secure, and advanced energy storage technologies to support critical missions carried out by joint forces, contingency bases, and at military installations.

What is the future of energy storage?

Storage enables electricity systems to remain in balance despite variations in wind and solar availability, allowing for cost-effective deep decarbonization while maintaining reliability. The Future of Energy Storage report is an essential analysis of this key component in decarbonizing our energy infrastructure and combating climate change.

NREL's Storage Futures Study (SFS) explores how energy storage technology advancement could impact utility-scale storage deployment and distributed storage adoption, as well as future power system infrastructure investment ...

As policymakers start to rely more heavily on energy storage systems (ESSs) to achieve clean energy goals and other improvements to the grid, it is helpful to first understand the ways that ...

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Energy storage resources are becoming an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy sources. There are currently 23 ...

Moreover, it separates energy-storage policies at the national level in China from the aspects of industrial energy storage plans, incentive policies for energy-storage applications in the ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power ...

Australia is undergoing an energy transformation that promises to intensify over the coming decades. In the electricity generation sector this transformation involves: a greater reliance on ...

energy storage deployment have already seen positive results with the deployment of stationary energy storage growing from about 3 GW in 2016 to 10 GW in 2021. It is envisaged that the ...

In addition, the "Energy Law of the People's Republic of China (draft for comment)" encouraged the development of smart grid and energy storage technology. The National Energy Administration's response to ...

CEG provides information, technical guidance, policy and regulatory design support, and independent analysis to help break down the numerous barriers to energy storage deployment, from information gaps to ...

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