

New transportation energy storage policy in the united states





Overview

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).

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.

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 adaption, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.

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.

Will new appliance standards save energy?

New appliance standards are poised to save energy, lower bills, and increase comfort in American households. Energy intensity in residential buildings is projected to decline 16 - 18% overall between 2020 and 2035. The share of clean electricity generation is poised to increase significantly.



What changes will the transportation administration make in 2025?

In addition, it would rescind previous guidance documents and policies that are not required by clear and express statutory language, per the January 29, 2025, memorandum from the Secretary of Transportation on the Implementation of Executive Orders Addressing Energy, Climate Change, Diversity, and Gender. Summary of Changes:



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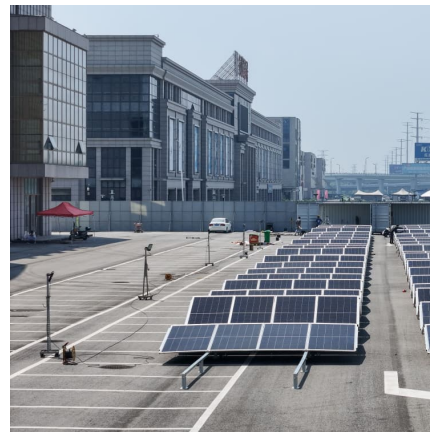


[Policy Recommendations to Unlock the Value of Long ...](#)

The state now has more installed battery capacity storage than any other state in the United States.⁴⁶ As of October 2024, eleven states have established energy storage procurement ...

[Database of State Incentives for Renewables](#)

The most comprehensive source of information on incentives and policies that support renewables and energy efficiency in the United States. Managed by ...



REPORT: Solar and Storage Dominate New Power Additions in ...

The low-case forecast in the U.S. Solar Market Insight Q3 2025 report from the Solar Energy Industries Association (SEIA) and Wood Mackenzie warns that these policies put ...

[States Modify Policies to Attract New Power Plants](#)

Conclusion Due to increasing demand for electricity, states are realizing that they need to attract new power plants and are providing



incentives and cutting regulations, as ...

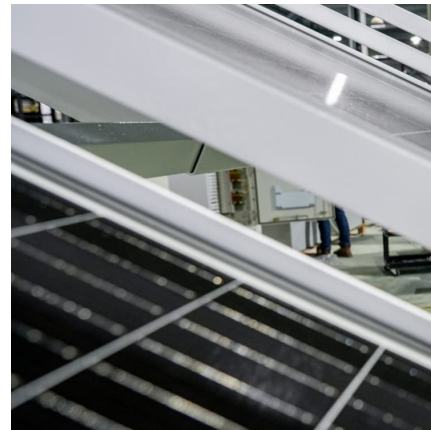


Federal Laws and Incentives

Points of Contact Get contact information for people or agencies that can help you with clean transportation laws, incentives, and funding opportunities available in the United States. ...

Energy Storage Activities in the United States Electricity ...

The new DOE FY2012 budget (DOE 2011, 25, 35) contains \$550 million for continued ARPA-E activities, \$40 million for the Energy Storage Technology Program in the DOE Office of ...



Energy Storage for Power Grids and Electric Transportation

Substantial research and development activities are underway in the United States and elsewhere to improve the economic and technical performance of electricity storage options. Changes to ...



[Investing in American Energy: Continued Progress ...](#)

There have also been several new state policies, including clean electricity standards (CES) in Minnesota and Michigan, clean fuel standards in ...



[U.S. National Hydrogen Strategy and Roadmap](#)

U.S. National Hydrogen Strategy and Roadmap
The U.S. National Hydrogen Strategy and Roadmap explores opportunities for hydrogen to contribute to national goals across multiple ...

[Battery Policies and Incentives Search](#)

Use this tool to search for policies and incentives related to batteries developed for electric vehicles and stationary energy storage. Find information related to ...



Energy Storage Grand Challenge Energy Storage Market ...

Foreword As part of the U.S. Department of Energy's (DOE's) Energy Storage Grand Challenge (ESGC), DOE intends to synthesize and disseminate best-available energy storage data, ...



[DOE National Clean Hydrogen Strategy and Roadmap](#)

Specific markets include the industrial sector, heavy-duty transportation, and long-duration energy storage to enable a clean grid. Long-term opportunities include the potential for exporting clean ...



New Report Charts the Path to an American-Made Energy Storage ...

WASHINGTON, D.C. -- Today the Solar Energy Industries Association (SEIA) released a report that addresses the barriers to building a robust energy storage manufacturing ...

Achieving American Leadership in the Grid Storage Supply ...

New investment in energy storage through the Bipartisan Infrastructure Law has expanded the Department's focus on advanced storage technologies, but to become globally competitive in ...





The United States' Industrial Strategy for the Battery Supply Chain

Tax credits toward new vehicle purchases have historically been the primary means of incentivizing EV uptake in the United States. Introduced in the Energy Policy Act of ...

The future of biofuels in the United States transportation sector

There is growing consensus in the literature that drastic greenhouse gas (GHG) emission reduction must take place to achieve a sustainable future [1]. The transportation ...



Effect of Hyperloop Technologies on Electric Grid and Transportation Energy

DOE relied, additionally, on studies of hyperloop systems by the National Aeronautics and Space Administration, Volpe Transportation Center, and U.S. Department of Transportation. Modeling ...

[Policies Drive Grid Scale Storage Deployments in US](#)

This is an extract from a recent report "Charging Up: The State of Utility-Scale Electricity Storage in the United States" by Resources for the Future. As the electricity sector ...



HYDROGEN STRATEGY

Introduction This document summarizes current hydrogen technologies and communicates the U.S. Department of Energy (DOE), Office of Fossil Energy's (FE's) strategic plan to accelerate ...



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Sustainable Transportation (Fact Sheet), Office of Energy ...

We lead U.S. Energy Department efforts to develop and deliver market-driven solutions for energy-saving homes, buildings, and manufacturing; sustainable transportation; and renewable ...



State by State: A Roadmap Through the Current US Energy ...

The installation of utility-scale storage in the United States has primarily been concentrated in California and Texas due to supportive state policies and significant solar and ...



EIA

Battery Storage in the United States: An Update on Market Trends Release date: April 25, 2025 This battery storage update includes summary data and visualizations on the capacity of large ...

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

This SRM does not address new policy actions, nor does it specify budgets and resources for future activities. This Energy Storage SRM responds to the ...



Energy storage system policies: Way forward and opportunities ...

ESS policies have been proposed in some countries to support the renewable energy integration and grid stability. These policies are mostly concentrated around battery ...



With U.S. Electricity Demand Set to Skyrocket, the Call for ...

4 ???· The overall demand for energy from the electric grid in the United States, also known as "load," is projected to increase 25% by 2030 and 78% by 2050, according to a new report ...



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