

State Council s New Energy Storage Policy

Do states need a new energy storage policy?

As states increasingly declare decarbonization goals, they will need to create new policies, rules and regulations that will enable the deployment of an unprecedented amount of energy storage, according to the Clean Energy States Alliance (CESA), which just released its States Energy Storage Policy: Best Practices for Decarbonization report.

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.

Which states have set policy for energy storage deployment?

At the time the study was conducted, 22 states (plus the District of Columbia) adopted decarbonization goals, however, not all have set policy for energy storage deployment. California and New York are cited as examples of states with "very advanced and sophisticated policy measures". Many others are beginning to assess energy storage policy needs.

Who surveyed the energy storage industry?

An industry survey was also completed by representatives of six energy storage development companies, plus one industry consultant who formerly worked for an energy storage development company: Enel North America, Key Capture Energy, New Leaf Energy (formerly Borrego), Nostromo Energy, Sunrun, and Tesla.

Which states have a 'maturity level' of storage policy development?

The report outlines the four steps to policy development from Level 1, which is demonstrated interest in storage up to the fourth "maturity level" of including storage in strategic plans, and ranks the states by level of maturity. California, Connecticut, Maine, New Jersey and New York had all achieved Level 4.

The report highlights best practices, identifies barriers, and underscores the urgent need to expand state energy storage policymaking to support decarbonization in the US. The report is based on the idea that dramatic ...

Decarbonization of electricity generation is one of the most pressing issues of our time and scaling up energy storage deployment is key to achieving state decarbonization goals. Yet the ...

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Two states have recently incorporated new requirements for long duration energy storage (LDES) - usually defined as ranging from 8-10 hours up to multiple days - in their targets. Most energy storage systems can ...

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