

# **Energy storage development planning media**





## Overview

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What is the energy storage roadmap?

First established in 2020 and founded on EPRI's mission of advancing safe, reliable, affordable, and clean energy for society, the Energy Storage Roadmap envisioned a desired future for energy storage applications and industry practices in 2025 and identified the challenges in realizing that vision.

Why was the energy storage roadmap updated in 2022?

The Energy Storage Roadmap was reviewed and updated in 2022 to refine the envisioned future states and provide more comprehensive assessments and descriptions of the progress needed (i.e., gaps) to achieve the desired 2025 vision.

What is the 14th five-year plan for energy storage?

The “14th Five-Year Plan” has specified development goals for energy storage also on the provincial level. During the “14th FYP” period, 25 provinces and cities plan to complete 77.65 GW new type storage installation. That scale is more than twice the “14th FYP” target (30 GW) set by the NEA.

Does the energy storage strategic plan address new policy actions?

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 Strategic Plan periodic update requirement of the Better Energy Storage Technology (BEST) section of the Energy Policy Act of 2020 (42 U.S.C. § 17232 (b) (5)).

What is the EPRI energy storage roadmap?

Since its inception, the EPRI Energy Storage Roadmap was intended to guide the direction of EPRI's energy storage efforts to ensure delivery of relevant and impactful resources to its Members, the industry, and the public. The



following table maps EPRI's energy storage related publications to the relevant Future State.

How can energy storage be used in future states?

Target future states collaboratively developed as visions for the beneficial use of energy storage. Click on an individual state to explore identified gaps to achievement. Energy storage is essential to a clean and modern electricity grid and is positioned to enable the ambitious goals for renewable energy and power system resilience.



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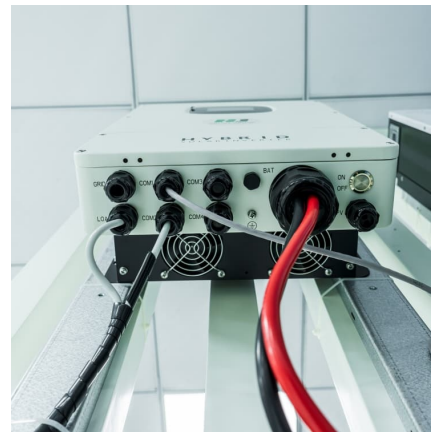


### Multi-type energy storage expansion planning: A review for high

Subsequently, it offers a systematic review of planning methodologies for multi-type energy storage, covering traditional application scenarios such as source-side, grid-side, and load-side.

### [Google plans to build gigawatts of clean power and...](#)

On Tuesday, Google unveiled a first-of-its-kind strategic partnership to do exactly that. The tech giant and its partners aim to build \$ 20 ...



### New York Battery Energy Storage System Guidebook for ...

As an important first step in protecting public and firefighter safety while promoting safe energy storage, the New York State Energy Research and Development Authority (NYSERDA)

...

### REPORT: Energy Storage Market Continues Strong Growth in Q1 ...

HOUSTON/WASHINGTON, D.C. June 25, 2025 -- According to the new U.S. Energy Storage Monitor developed by Wood Mackenzie and the



American Clean Power ...



### [Green light for York battery storage plans](#)

1 ???· Renewable energy company Aukera has secured approval for a battery energy storage facility in York. The company has received planning consent for its 249.9MW East York Energy ...



### **China unveils three-year action plan to boost new-type energy ...**

5 ???· China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ...



### **Spain's \$16bn, five-year plan to unclog its transmission grid**

2 ???· On the generation side, there are requests for 150 GW of solar energy capacity and more than 100 GW of storage - figures five and nine times higher, respectively, than the Plan ...





### Approval and progress analysis of pumped storage power ...

This paper analyzes the development of pumped storage power stations in Central China, focusing on regional approval, investment ownership, design units and cost ...



### Interpretation of Solid-State Batteries in the "Action Plan for Large

1 ??· On September 12, 2025, the National Development and Reform Commission (NDRC) and the National Energy Administration issued a notice on the "Action Plan for Large-Scale ...

### Frontiers , The Development of Energy Storage in China: Policy

At the same time, a roadmap for energy storage technology development and a plan of energy storage development should be formulated. And evaluating the market potential ...



### Comparative techno-economic evaluation of energy storage ...

Energy storage technology is a crucial means of addressing the increasing demand for flexibility and renewable energy consumption capacity in power systems. This ...



### [Energy Storage Safety Strategic Plan](#)

The Department of Energy Office of Electricity Delivery and Energy Reliability Energy Storage Program would like to acknowledge the external advisory board that contributed to the topic ...



### **THE TURNING TIDE OF ENERGY STORAGE**

Even with near-term headwinds, cumulative global energy storage installations are projected to be well in excess of 1 terawatt hour (TWh) by 2030. In this report, Morgan Lewis lawyers outline ...

### **Battery Energy Storage Systems**

What are Battery Energy Storage Systems? A Battery Energy Storage System (BESS) is a technology designed to store and manage energy for later use. It typically uses ...





### **New York State Energy Storage Study**

Reflecting New York State's position as one of the leading markets for energy storage development in the U.S., the New York State Energy Research and Development Authority ...

### **EPRI Home**

The Electric Power Research Institute (EPRI) conducts research, development, and demonstration projects for the benefit of the public in the United States and internationally. As ...



### [Battery Storage: UK Pipeline & Completed Assets Database](#)

Energy storage has become one of the most exciting and dynamic growth areas within the global energy sector. Updated monthly, this report includes both operational and pipeline Battery ...

### [Pumped-storage hydropower stabilizes electricity grid](#)

According to a mid- and long-term development plan for pumped-storage hydropower unveiled by the National Energy Administration last year, China aims to have more than 62 million kilowatts ...



### CHINA'S ACCELERATING GROWTH IN NEW TYPE

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The "14th Five-Year Plan" has specified development goals for energy storage also on the provincial level. During the "14th FYP" period, 25 provinces and cities plan to complete 77.65 ...



### **Battery Energy Storage Systems (Zoning Practice March 2024)**

This issue of Zoning Practice explores how stationary battery storage fits into local land-use plans and zoning regulations. It briefly summarizes the market forces and land-use issues ...



### **China targets 180 GW of new energy storage by 2027 in ...**

5 ???· Announced by the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA), the new plan is expected to drive CNY 250 billion (\$35.1 ...





## 6 GW 3,000 MW of wholesale

On June 20, 2024, the New York State Public Service Commission (PSC) issued an Order Establishing Updated Energy Storage Goal and Development Policy ("the 2024 Order"), which ...



## Maryland and Maine seek to increase energy storage development

Bills passed in Maryland and a recommendation from the Maine Governor's Energy Office call for increased energy storage development.

## [China aims to nearly double battery storage by 2027 ...](#)

5 ???· China is looking to almost double its so-called new energy storage capacity to 180 gigawatts (GW) by 2027, according to an industry plan ...



## [PSC Approves Energy Storage Implementation Plan](#)

ALBANY -- The New York State Public Service Commission (Commission) today approved the retail and residential energy storage program Implementation Plan, filed by ...



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