

Energy Storage

A critical resource for enabling New York's clean energy future



2025 STATEWIDE ENERGY STORAGE TARGET

1,500 MW

New York's energy storage initiative expands and reinforces a nation-leading commitment around climate change, clean energy, and innovation.

2030 STATEWIDE ENERGY STORAGE TARGET

6,000 MW

equivalent to the electric demand for **40% of all homes in New York State**

more than **\$3 billion** in gross benefits to be delivered to customers in New York State

Energy storage is critical to New York's renewable energy future. Signed into law in 2019, the Climate Leadership and Community Protection Act established goals for New York to generate 70 percent of its electricity from renewable sources by 2030 with a zero-emission grid by 2040.

In 2018, NYSERDA and the Department of Public Service created a New York State Energy Storage Roadmap that outlined pathways to its ambitious goals and target dates, and in April 2019, energy storage programs began to launch.

To date, more than \$300 million has been deployed to fund the construction of over 1,200 megawatts (MW) of energy storage projects across the State. These projects include residential energy storage, distributed storage, and utility-scale bulk storage.

In 2022, in the State of the State, Governor Hochul announced that energy storage installations should total at least 6 gigawatt (GW) by 2030 — the largest target in the nation.



NYSERDA

**Department
of Public Service**

Importance of energy storage

As renewable power sources like wind and solar provide a larger portion of New York's electricity, storage will be deployed to store and dispatch energy when and where it is most needed. Storage will also allow New York's peak power needs to be met with cleaner electricity generation.

Stacking multiple energy storage applications, or value stacking, can significantly boost revenue and increase the viability of storage projects. This flexibility is especially important as the electric system evolves to become more decarbonized, decentralized, and complex.

Benefits to New Yorkers

Deploying 1,500 MW of energy storage by 2025, and 6 GW by 2030, will bring a host of benefits for New York, including:

- Avoiding more than two million metric tons of CO₂ emissions, on a path to achieving even greater benefits by 2030
- Adding resiliency to the electric system by reducing the impact of outages
- Adding flexible resources that allow intermittent renewables like solar and wind to be available during peak demand
- Growing the energy storage sector in New York to create 30,000 jobs by 2030

How we'll get there

The Roadmap includes several actions to grow energy storage development:

- Double deployment, reaching at least 6 GW of energy storage by 2030 — the largest target in the nation, backed by needed market reforms and cost-effective procurement mechanisms to capture the full benefits of energy storage.
- Identify research and development needs to accelerate technology innovation, particularly for long-duration energy storage.
- Outline ways to incentivize the private market to produce sufficient storage capacity to meet New York's ambitious clean energy targets.

Stay informed about the progress of energy storage in New York State
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