

# 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.**

equivalent electric demand of **one-fifth** of all **New York State homes**

Delivering roughly **\$2 billion** in gross benefits to **New York customers**

In January 2018, Governor Andrew M. Cuomo announced a 1,500 megawatt (MW) energy storage target in New York State by 2025. Energy storage is at the forefront of the dynamic changes occurring in New York's energy sector, and the State is on the cusp of unleashing its benefits. The Department of Public Service and NYSERDA have mapped out how New York State will work to achieve this target in the New York State Energy Storage Roadmap.

The many policy, regulatory, and programmatic actions outlined in the Energy Storage Roadmap are intended to accelerate the market learning curve, drive down costs, and speed the deployment of the highest-value storage applications. Implementing these recommendations will deliver tangible economic, resiliency, and public health benefits and enable the State to achieve the Governor's ambitious 2025 storage target. This will also set New York on a path to meet the 2030 storage target expected to be established by the Public Service Commission later this year.

### 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.



**NYSERDA**  
**Department of Public Service**

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 will bring a host of benefits for New York, including:

- Avoiding more than one million metric tons of CO<sub>2</sub> 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

In order to jump start energy storage development, the roadmap recommends several actions:

- Provide \$350 million in market acceleration incentives, to be funded from previously authorized sources; Including addition of a storage incentive to the NY-Sun program anticipated to be available this fall for solar plus storage projects to jump start activity and allow projects to access federal tax credits
- Regulatory changes to utility rates, utility solicitations and carbon values to reflect the system benefits and values of storage projects
- Continue efforts to address permitting and siting challenges and reduce system soft costs
- Recommend modification of wholesale market rules to better enable storage participation, including allowing storage to simultaneously meet both distribution system and wholesale system needs which will provide greater value for ratepayers
- NY Green Bank will make \$200 million available to project developers for storage initiatives

## PATH FORWARD

Release of the Roadmap represents the beginning of the formal public input phase. Multiple technical conferences will be held throughout the State to allow for public feedback on recommendations and approaches identified in the Roadmap. The PSC has created a new proceeding to consider and establish a 2030 storage target and the deployment mechanisms to achieve the 2025 and 2030 energy storage targets by the end of the year. Public comments on the Roadmap can be submitted via the DPS website.

*Case 18-E-0130, In the Matter of Energy Storage Deployment Program*

<http://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterSeq=55960>.

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