

A-Core Container

Equipment starts energy storage



Overview

How will a 100MW battery energy storage system work?

The facility will serve as a large-scale battery energy storage system capable of charging from, and discharging into, the New York power grid. When fully functional, the 100MW battery energy storage project will be able to discharge electricity to the grid particularly during peak demand.

Why is energy storage important?

By storing excess energy during demand lulls and discharging it as electricity during demand peaks, energy storage may cost-effectively lower consumers' utility bills, relieve stress on the grid, lower carbon emissions, and provide resilient power. There are many forms of energy storage, each with its own costs, challenges, and benefits.

What is a battery energy storage system?

Battery energy storage systems (BESS) stabilize the electrical grid, ensuring a steady flow of power to homes and businesses regardless of fluctuations from varied energy sources or other disruptions. However, fires at some BESS installations have caused concern in communities considering BESS as a method to support their grids.

How long can an electrical ESS store energy?

Most electrical ESS can store energy for long periods but can only discharge at their full capacity for very short durations (i.e., seconds or minutes). These storage systems are in an early phase of development and have seen limited deployment in the power sector due to their short discharge duration and high cost.¹²

Should energy storage be included in the electric grid?

Integrating storage in the electric grid, especially in areas with high energy demand, will allow clean energy to be available when and where it is most

needed. As New York continues to invest and build a cleaner grid, energy storage will allow us to use existing resources more efficiently and phase out the dirtiest power plants.

How will state energy storage programs impact energy storage growth?

With nearly \$2B in approved incentives, the programs will stimulate expansive energy storage growth state-wide and further drive the State towards achieving its goal of 6 GW of energy storage deployed by 2030.

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