

## Kongres Container

# New Energy Storage Power Source Factory



## Overview

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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.

What is an energy storage system?

A rendering of energy storage systems to feed Ontario's power grid. (Submitted by NextStar) An ESS is a large rechargeable battery unit that stores energy during off-peak hours — and provides backup power during grid outages.

What is a utility-scale battery energy storage system?

Utility-scale battery energy storage systems help electricity grids keep supply and demand in balance. They are increasingly needed to bridge the supply-demand mismatch caused by intermittent energy sources such as solar and wind.

Will New York City's largest battery storage facility replace a natural gas peaker?

New York City's largest battery storage facility will replace a natural gas peaker plant unit retiring in 2025.

What is NYCIDA's largest battery energy storage project?

NYCIDA closed its largest battery energy storage project to date, the East River Energy Storage Project, located on an industrial site on the East River in Astoria, Queens. When built, the facility will be able to hold up to 100 megawatts (MW) and power over tens of thousands of households.

What is a platform for next-generation battery manufacturing?

Platforms for Next-Generation Battery Manufacturing Subtopic 1 focuses on advanced processes and/or high-performance processing machines for low cost, large-scale, sustainable, commercial manufacture of sodium-ion batteries.

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