

## ContainerPower Energy Solutions

# New energy secondary energy storage form



## Overview

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Form Energy is an American company driving innovation in energy manufacturing and technology. Our cost-effective, multi-day energy storage solutions are designed to ensure a clean, secure, and reliable electric grid, even during prolonged periods of stress. The electric grid faces a growing

New York Gov. Kathy Hochul, D, has issued nearly \$15 million in funding to four long-duration energy storage demonstration projects, the New York State Energy Research and Development Authority, known as NYSERDA, announced Thursday. The grants include a \$12 million award to Form Energy to develop

In 2020 Great River Energy and Form Energy entered a partnership to jointly develop the Cambridge Energy Storage Project, a 1.5-megawatt, grid-connected storage system capable of delivering its rated power continuously for 100 hours — far longer than the four-hour usage period available from

in New York State. Expected to come online by 2026, the project will demonstrate the value of multi-day energy storage in helping the State achieve its aggressive decarbonisation goals, while advancing grid reliability and resiliency. This will be Form Energy's first demonstration project in New

Work has begun on the first pilot project using Form Energy's iron-air battery, designed to cost-effectively store and discharge energy over multiple days. The much-talked-about US startup's proprietary technology is based on the oxidation (rusting) of iron. Its first-ever project is being built.

any power systems are facing as coal and gas power plants are retired. The Form battery uses a unique iron-air process that they describe as "reversible

rust” - “breathing in” oxygen from the air to discharge, converting iron metal to rust, then “breathi , cheape chain risks other clean energy.

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