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New energy storage construction plan



Overview

What's new in energy storage safety?

Since the publication of the first Energy Storage Safety Strategic Plan in 2014, there have been introductions of new technologies, new use cases, and new codes, standards, regulations, and testing methods. Additionally, failures in deployed energy storage systems (ESS) have led to new emergency response best practices.

Should bulk energy storage be added to New York's grid?

Adding bulk energy storage to New York's grid will lower costs, optimize the generation and transmission of power, enhance energy grid infrastructure, and ensure the reliability and resilience of the State's electricity system.

What is a typical energy storage deployment?

A typical energy storage deployment will consist of multiple project phases, including (1) planning (project initiation, development, and design activities), (2) procurement, (3) construction, (4) acceptance testing (i.e., commissioning), (5) operations and maintenance, and (6) decommissioning.

What if a developer wants to install energy storage?

If a developer wants to install an energy storage project in a jurisdiction that has not defined where storage is allowed, the developer is responsible for identifying a potential site and petitioning the jurisdiction to issue a conditional use permit or rezone the site to enable the project.

What is New York's 6 GW energy storage roadmap?

New York's 6 GW Energy Storage Roadmap, which recommends the deployment of six GW of energy storage, also authorizes funds for NYSERDA to support 200 megawatts (MW) of new residential-scale energy storage and 1,500 MW of new commercial and community-scale energy.

What is bulk energy storage & how can it help New York?

New York Secretary of State Walter Mosley said, “In looking ahead for the state's future, bulk energy storage can provide the ability to store excess electricity during times of lower usage or high renewable production and return that electricity to the grid during peak times when it’s needed most.

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