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Canadian Grid Energy Storage Projects



Overview

What is Canadian energy storage?

The blueprint for Canadian energy storage. Located in Haldimand County, Ontario, Oneida Energy Storage is a fully operational, 250 MW/1,000 MWh lithium-ion battery energy storage facility. It represents Canada's largest operational energy storage facility, and is amongst the largest energy storage projects globally.

Is energy storage a key component of future electricity grids?

In a recent report from trade association Energy Storage Canada (ESC), energy storage was cited as "a critical component of future electricity grids" for the country. The report, 'Energy Storage Canadian Market Outlook,' was published this month and explores the current role of energy storage in Canada.

Who is involved in the Canadian power grid project?

Information will be shared with grid operators, technology developers, energy system modellers, utilities, and other key stakeholders in the Canadian electricity sector to provide data and guidance on pathways to a clean, reliable and cost-effective power grid for Canadians. To learn more about this project, email our Business Office.

Why is the Oneida energy storage project important?

Today is a significant milestone for NRStor, our project partners, the Ontario government, and Canada's clean energy future," said Annette Verschuren, Chair and Chief Executive Officer, NRStor Inc. "The Oneida Energy Storage Project exemplifies the power of Indigenous leadership in shaping Canada's sustainable energy future.

Does Canada need energy storage?

Canada aims to reduce its greenhouse emissions by 45-50% below 2005

levels by 2035. In its 2022 report, ESC noted that the country would need at least 8 to 12GW of energy storage to achieve this goal. Energy storage can continue to grow from provincial governments integrating energy storage into existing regulatory framework.

What is the Oneida Energy Storage Limited Partnership?

The Oneida Energy Storage Limited Partnership (Oneida LP) is a groundbreaking collaboration between Northland Power Inc., Six Nations of the Grand River Development Corporation, NRStor Inc., Aecon Concessions, and the Mississaugas of the Credit Business Corporation.

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Contact Us

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