

ContainerPower Energy Solutions

Canada builds its first energy storage power station



Overview

Toronto, Ontario - May 7, 2025 - The Oneida Energy Storage Project has officially commenced commercial operations, becoming the largest grid-scale battery energy storage facility in operation in Canada and one of the largest globally. What is the largest battery energy storage facility in Canada?

July 25, 2025 - With 278 lithium-ion battery units—each weighing more than 84,000 lb—now drawing and storing power from Ontario’s electricity grid, the Oneida Energy Storage Project has officially entered commercial operation, becoming the largest battery energy storage facility in operation in Canada, and among the largest globally.

Is Northland the largest battery energy storage facility in Canada?

The project was completed ahead of schedule and under budget and is the largest battery energy storage facility in operation in Canada. “Today marks a major milestone for Northland and the Oneida project,” said Christine Healy, President & Chief Executive Officer of Northland.

What is the Oneida energy storage project?

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When did energy storage start in Canada?

The first energy storage project in Canada, the Sir Adam Beck Pump Generating Station, came online in 1957. However, the next project did not come online until 2013. There are three main types of energy storage currently commercially available in Canada:.

What is the fastest growing energy storage technology in Canada?

BESS is the fastest growing energy storage technology in Canada and is also the dominant storage technology in terms of capacity and number of sites. All

but four projects proposed to be commissioned by 2030 are battery storage, with two CAES and two PHS projects also proposed.

Can a battery storage project be built in Canada?

“We spoke with Annette and NRStor, and the Six Nations of the Grand River; they had an idea for a first-of-its-kind battery storage project in Canada. They found a great location to do it, and they had a great concept. And then they went looking for some partners who could help them make it happen.

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