

Canada Energy Storage Industrial Park





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.

Where is the largest battery energy storage system in Canada?

The Hagersville Battery Energy Storage park, located in Haldimand County, Ontario, Canada, will be the largest battery energy storage system (BESS) project to date in Canada. The project is expected operational in Q4 of 2025.

What is Canada's first battery energy storage facility?

TORONTO, May 7, 2025 - The Oneida Energy Storage Project ("Oneida") has officially entered commercial operations, becoming the largest battery energy storage facility in operations in Canada, and one of the largest globally. Follow along for a behind-the-scenes look at building Canada's first battery energy storage facility.

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:



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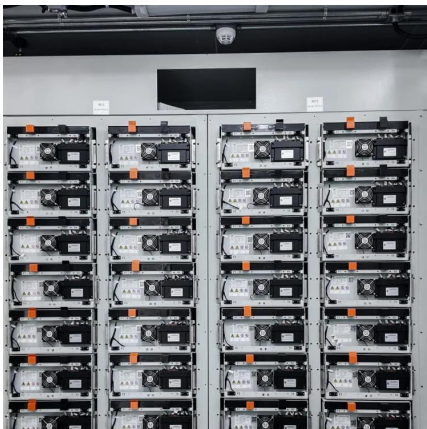
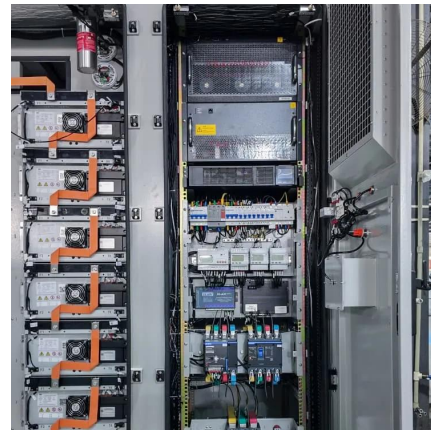


[Boralex closes financing for Canada's largest BESS](#)

Dec 17, 2024 · An industrial battery storage system being installed in Ontario, Canada. Image: Sungrid. Developer Boralex and its partner Six Nations of the Grand River Development ...

[Energy Storage Canada](#)

We focus exclusively on energy storage and speak for the entire industry because we represent the full value chain range of energy storage ...



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We focus exclusively on energy storage and speak for the entire industry because we represent the full value chain range of energy storage opportunities in our own markets and ...

Lianshui , Phase I of Canadian Solar's New Energy Industrial Park

On May 12th, Phase I of the Canadian Solar New Energy Industrial Park, marking the largest single investment in Lianshui's history, officially commenced production. The park is designed ...



[Boralex closes financing for Canada's largest ...](#)

Dec 17, 2024 · An industrial battery storage system being installed in Ontario, Canada. Image: Sungrid. Developer Boralex and its partner Six Nations ...



[Hagersville Battery Energy Storage Park, Ontario: Boralex](#)

Dec 11, 2024 · With a capacity of 300 MW / 1,200 MWh, the park will be the biggest battery energy storage project to date in Canada once it reaches commissioning.



[ONEIDA ENERGY STORAGE](#)

May 7, 2025 · Located in Haldimand County, Ontario, Oneida Energy Storage is a fully operational, 250 MW/1,000 MWh lithium-ion battery ...





Built to store, powered by partnership - Oneida sets the ...

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 ...



Developers close \$538 million for 1.2 GWh battery storage ...

Dec 18, 2024 · Industry Developers close \$538 million for 1.2 GWh battery storage facility in Canada The Hagersville Park financing qualifies as a green loan. Once commissioned, the ...

Market Snapshot: Energy storage in Canada may multiply by ...

Jul 23, 2025 · 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 ...



Canada's Largest Battery Storage Project Powered by Tesla ...

May 8, 2025 · The Oneida Energy Storage Project, Canada's largest grid-scale battery storage facility and one of the largest globally, has officially begun commercial operations. Located in ...



[Oneida Energy Storage Project Commences Commercial ...](#)

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[ONEIDA ENERGY STORAGE](#)

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