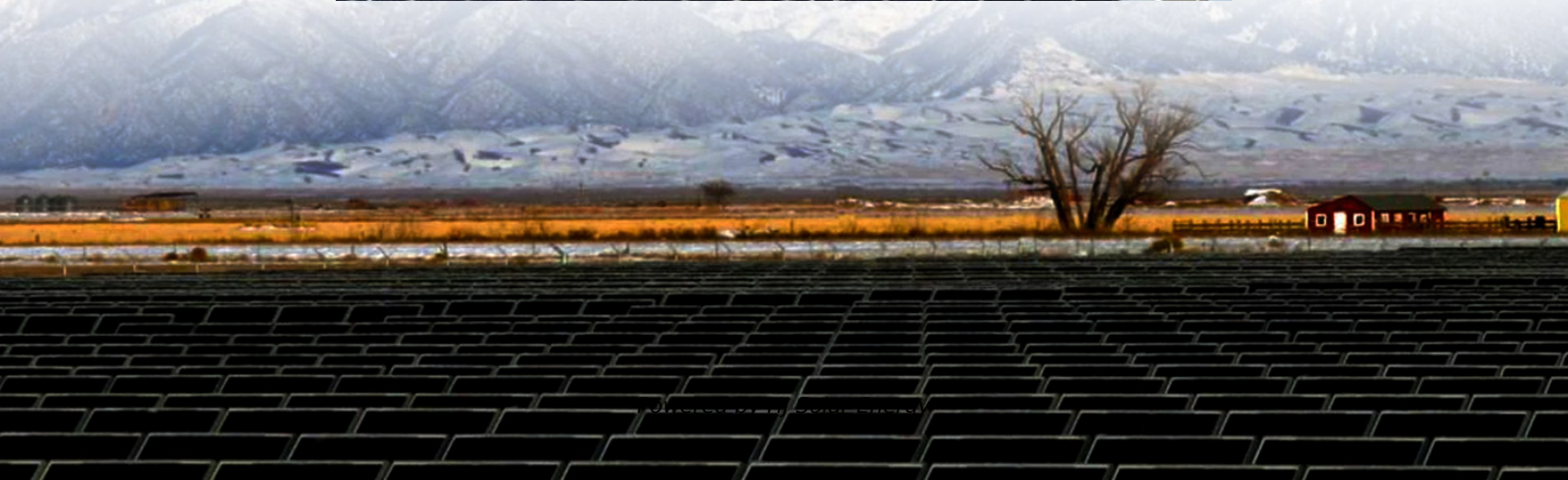


# **Commercial energy storage project financing options in Canada 2025**





## Overview

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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.

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.

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:.

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.



Does CGF have a development expenditure loan facility?

In addition, CGF has made available an additional \$50 million USD convertible development expenditure loan facility to fund a portion of development costs for Hydrostor's Canadian projects, such as the Quinte Energy Storage Centre project, a 500 MW/4,000 MWh A-CAES project to be developed in Lennox and Addington County, Ontario.



## Commercial energy storage project financing options in Canada 202

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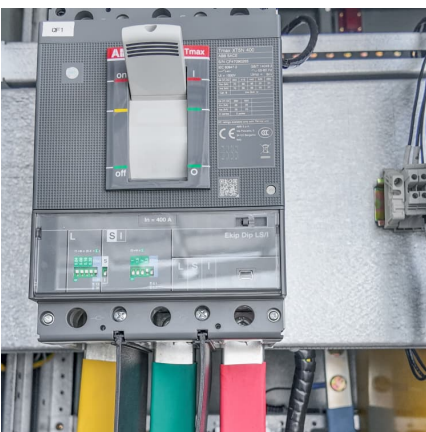


### 127135,123800 ...

Across sectors, commercial and industrial facilities are benefiting from the implementation of renewable energy generation, storage, and energy efficiency projects. Despite the potential for ...

### [250 MW/1,000 MWh Oneida Energy Storage Project ...](#)

250 MW/1,000 MWh Oneida Energy Storage Project Commences Commercial Operations Provides Ontario with critical capacity as Canada's largest grid-scale battery energy storage facility in operation



### [Borex and partner Six Nations of the Grand River ...](#)

The Hagersville project financing includes: A \$366 million construction loan, which will convert into an amortizing term loan over 20 years following the start of commercial operation, scheduled for the fourth quarter of ...

### [2025 Energy Storage Canada Conference](#)

I'm thrilled to be headed to the 2025 Energy Storage Canada Conference in Toronto, ON on September 25 & 26! As Canada's only national conference dedicated entirely to ...



### **Bluesphere Plans Dozens of Energy Storage Facilities in Toronto**

Bluesphere Ventures is set to develop dozens of five-megawatt (MW) energy-storage projects across Toronto as part of a broader plan to deploy 200 MW of battery-storage ...



### [The Project Financing Outlook for Global Energy](#) ...

Similar to other renewable energy projects, the addition of construction bridge debt provides an additional source of capital to pay construction costs, but also adds complexity to the project financing of an ...



### [Boralex & SNGRDC close \\$538m Canadian battery financing](#)

Boralex and Six Nations of the Grand River Development Corporation have closed a \$538 million financing for a battery storage park in Canada.





### [Global Energy Storage Growth Upheld by New Markets](#)

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, the sector continues to grow as developers ...



### **Top 10 Energy Storage Investors in North America , PF Nexus**

Discover the current state of energy storage investors in North America, learn about buying and selling energy storage projects, and find financing options on PF Nexus.

### **Top 10 Energy Storage Developers in North America , PF Nexus**

Discover the current state of energy storage developers in North America, learn about buying and selling energy storage projects, and find financing options on PF Nexus.



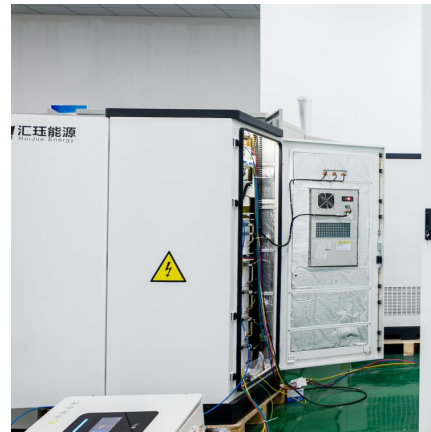
### [Oneida Energy Storage Project Commences ...](#)

As a first-of-its-kind project in Canada, Oneida charts the path for future storage projects across the country. Projects like Oneida, that deliver critical stability and capacity to Ontario's electricity grid, help guarantee a ...



[\\$200 million USD investment from CGF, Goldman Sachs Alternatives, and CPP Investments will support continued advancement of Hydrostor's 7 GW of projects in North America, Australia, and Europe](#)

Funding round by Canada Growth Fund, Goldman Sachs Alternatives, and CPP Investments will support continued advancement of Hydrostor's 7 GW of projects in North America, Australia, and Europe



**Energy Outlook 2025: Energy Storage**

IRENA also released an Innovation Outlook on Thermal Energy Storage, further supporting advancements in this critical area. A strong outlook for 2025 In summary, the energy storage market in 2025 will be shaped by ...

[Bright Ideas: A Guide to Commercial Solar Energy ...](#)

Commercial solar energy storage stands as a solution to three significant energy challenges: reducing costs, lowering carbon emissions, and ensuring reliable power supply. As businesses increasingly seek cleaner ...



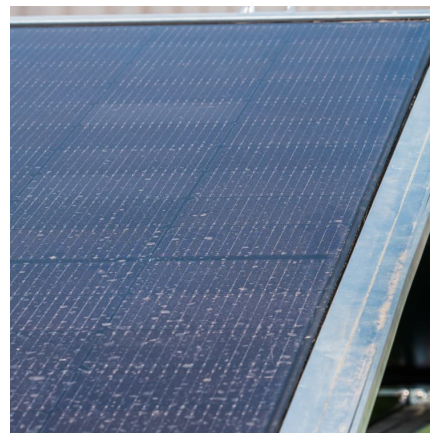


### **Oneida Energy Storage**

Overview Oneida Energy Storage facility is a 250 MW/1,000 MWh lithium-ion battery energy storage facility, representing the largest grid-scale battery energy storage facility in Canada and within the top five clean energy storage projects ...

### **Convergent and Scale finance 'lower risk' distributed ...**

A 9MW/36MWh project in California that Convergent deployed for utility Southern California Edison (SCE). Image: Convergent Energy and Power. We hear from US distributed and C& I solar and storage developer ...



### **Soltage Secures \$260M for US Solar and Energy Storage Projects**

Soltage, an independent power producer (IPP), has secured a \$260 million construction and term debt financing facility to support the development and deployment of ...

### **2025 Canadian Infrastructure Trends**

In 2025, strong demand for major Canadian infrastructure projects is likely to persist due to population growth (up 10 percent since 2019), aging infrastructure, the need for additional ...



[Powering Up: Indigenous-led Oneida Energy Storage ...](#)

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. Located in ...



**127135,123800 ...**

The financing mechanisms for onsite renewable generation, energy storage, and energy efficiency projects include a spectrum of options ranging from traditional to specialized.



**Northland Power closes financing for Oneida energy storage project**

Northland Power has closed financing for its Oneida energy storage project, located in Haldimand County, Southern Ontario, Canada.





## ONSITE RENEWABLE ENERGY AND STORAGE

The Onsite Renewable Energy and Storage Working Group met over the course of seven sessions to review onsite energy technologies, discuss procurement, implementation, and ...



## ONEIDA ENERGY STORAGE

250 MW/1,000 MWh Oneida Energy Storage Project Commences Commercial Operations TORONTO, May 7, 2025 - The Oneida Energy Storage Project ("Oneida") has officially entered commercial operations, becoming the ...

## Northland Power Secures Financing to Advance the Jurassic ...

Announcement Highlights Northland closes its second battery storage financing, reflecting the Company's growing expertise in battery storage technology. The project is ...



## Electrification and Energy Storage

Electrification and energy storage projects share the common goal of addressing the challenges associated with the changing electrical demand profiles and the provision of clean, resilient, ...



### [The major Battery Storage projects from around the ...](#)

Virginia's Largest Battery Storage Project, Prospect Power, Moves Forward with \$242M Financing Swift Current Energy has officially closed US\$242 million in project financing for its Prospect Power Storage facility. This ...



### [Financing Energy Storage: A Cheat Sheet](#)

As such, we're providing this "Cheat Sheet for Energy Storage Finance" based on our work as buy-side and sell-side investment bankers experienced in both energy storage venture capital and project finance. I'm also including some ...

### [Bright Ideas: A Guide to Commercial Solar Energy Storage](#)

Commercial solar energy storage stands as a solution to three significant energy challenges: reducing costs, lowering carbon emissions, and ensuring reliable power supply. As ...





### [Global Energy Storage Growth Upheld by New Markets](#)

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...

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