

## SolarInnovate Energy Solutions

# Container energy storage transformation in Toronto Canada



## Overview

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Led by Toronto Metropolitan University, through its Centre for Urban Energy, the NSERC Energy Storage Technology Network will drive progress in energy storage in Canada, by bringing together Canada.

Which energy storage projects are advancing in Canada?

In addition to BESS projects, there are also many Long Duration Energy Storage (LDES) technology-based projects advancing in Canada such as compressed air, pumped hydro and other non-lithium ion battery chemistries. About Energy Storage Canada: Energy Storage Canada is the only national voice for energy storage in Canada today.

Why is Canada a leader in energy storage technology?

In this global context, Canada is well-placed to be a leader in the development and deployment of energy storage technologies that will drive the future of the energy sector. Canada has an abundance of natural resources, a clean electricity grid, and an established innovation ecosystem for energy.

Who is energy storage Canada?

About Energy Storage Canada: Energy Storage Canada is the only national voice for energy storage in Canada today. We focus exclusively on energy storage and represent the full value chain of energy storage opportunities in our own markets and internationally.

Why is energy storage important in Ontario?

Energy storage is also a critical tool in providing flexibility and reliability to the system to ensure energy is available when ratepayers need it. The IESO expects Ontario will have at least 1217 MW of energy storage capacity active in the market by 2026.

How many MW of energy storage projects are there in Canada?

“At Energy Storage Canada we’re excited to see the IESO’s announcement of more than 700 MW of energy storage projects as the next step in Canada’s

largest energy storage procurement to date,” said Justin Rangooni, Executive Director, Energy Storage Canada.

Could 1000 MW of energy storage Save Ontario electricity?

A 2020 report commissioned by Energy Storage Canada, *Unlocking Potential: An Economic Valuation of Energy Storage in Ontario*, found that 1000 MW of energy storage in Ontario could provide as much as \$2.7 billion in savings for Ontario electricity customers.

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12.8V 200Ah



### Over 700 MW of Energy Storage Projects Announced as Next Step in Canada

May 16, 2023 · "At Energy Storage Canada we're excited to see the IESO's announcement of more than 700 MW of energy storage projects as the next step in Canada's largest energy ...

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