

Ottawa Energy Storage Base Project



Overview

Ottawa BESS 2 is a proposed up to 75 Mega-Watt ("MW") lithium-ion battery storage Project located at 2393 8th Line Road, Ottawa, ON, K0A 2P0, under development by Ottawa BESS 2 Limited Partnership. ("BRPI") or an affiliate, will be advancing the South March BESS (Battery Energy Storage System) ("Project") through Evolugen, Brookfield's Canadian operating business. The Project directly responds to the Independent Electricity System Operator's (IESO) call for . A proposed \$650-million BESS energy station was recently approved for rural west-end Ottawa by city council but has generated great controversy among residents of West Carleton-March ward. The audio version of this article is generated by AI-based technology. We are working with our partners to continually . ENVIRONMENTAL DEFENCE, COMMUNITY ACTION FOR ENVIRONMENTAL SUSTAINABILITY (CAFES) Toronto | Traditional territories of the Mississaugas of the Credit, the Anishinaabeg, the Haudenosaunee, and the Wendat - Environmental Defence and Community Action for Environmental Sustainability (CAFES) applaud .

Ottawa Energy Storage Base Project



[Battery project highlights clash between city's energy goals and local](#)

A massive energy storage facility to be located in rural west-end Ottawa was recently approved by city council, but remains a contentious project among locals in the area.

Battery Energy Storage Systems (BESS) Provisions

On May 9, 2024, the IESO announced that ten proposed BESS projects were selected, totaling 1,784 megawatts (MW) of energy storage, including two to be located in rural west Ottawa.



Ottawa BESS 2

Although energy storage comes in different shapes and sizes, the lithium-ion Battery Energy Storage System ("BESS") is the fastest emerging technology in North America and is planned to be deployed

South March BESS

The Project represents a cost-effective solution to add capacity, enhance flexible grid operations, and save greenhouse gas (GHG) emissions in Ontario by reducing the need for carbon-intensive power



[Huge electrical storage project sparks controversy , Ottawa Citizen](#)



Essentially, a BESS is a massive collective battery - in this case a lithium ion battery - to store electricity and distribute it as needed. The proposed property totals about 81 hectares of land.

Statement: Ottawa Council Applauded for Advancing Landmark

The project can store 250 MW of electricity, making it the largest battery energy storage system proposed in the Ottawa area so far. A 250 MW battery can supply enough power at one



[Battery storage site proposal raises concerns for west Ottawa residents](#)

BESS are large storage facilities that gather unused electricity during low-usage times and distribute it during peak times each day to supplement the power grid. The plan is for around 285

[Proponent Flags Problems with Provincial Process as Ottawa Battery](#)

Environmental organizations and a local renewable energy co-op are applauding Ottawa City Council's approval of a controversial and hard-fought battery energy storage project, especially



[Contentious rural Ottawa battery facility gets nod from council](#)

The company is seeking to build a Battery Energy Storage System (BESS) on a 4.5-hectare plot of rural land off Marchurst Road, about 30 kilometres west of downtown Ottawa.

Report

Specifically, BESS draw and store energy from the grid during off-peak hours when demand is low and then discharge it back to the grid when it is needed. This stabilizes the power grid and scales peak



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