



Ottawa grid-connected energy storage project





Overview

The project, delivered in EPC mode (engineering, procurement and construction), consists of two 2 MW inverters and 68 battery racks interconnected to Hydro Ottawa's Ellwood substation and has a total system capacity of 4 MW/2.76 MWh.

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Ottawa BESS 2 is a proposed up to 75 Mega-Watt ("MW") lithium-ion Battery Energy Storage System ("BESS") that will be located at 2393 8th Line Road, Ottawa, ON, K0A 2P0. The Project will be submitted to the Independent Electricity System Operator's ("IESO") Request for Proposals under the Long-Term.

In 2025, the City of Ottawa established official plan and zoning provisions for battery energy storage uses in accordance with new Official Plan policy. BESS is an emerging technology using batteries and associated equipment to store excess energy from the electrical grid, which can then discharge.

Changes have been made to the city's Official Plan and zoning bylaws to create a building for storing electricity in off-peak hours from the grid. The City of Ottawa's Agriculture and Rural Affairs Committee approved the changes for Battery Energy Storage Systems (BESS), set to guide the land use.

Evolugen, the Canadian renewable energy platform of Brookfield Renewable, along with our partner, Algonquins of Pikwakanagan First Nation ("AOPFN"), are pleased to announce that two of our battery energy storage system (BESS) projects, totaling 400 MW of contracted capacity, were selected by the.

UPDATED: City councillors unanimously approved the new rules for battery energy storage facilities at their meeting on Feb. 12, 2025. A city committee passed new regulations Thursday that lay out the ground rules for companies looking to build battery energy storage facilities in Ottawa, but.

communities and the province. Risks can be address d by following best practices. BESS is a way to maintain grid reliability while also enabling Ottawa and Ontario to meet their economic, enviro ctive way to meet peak demand. It is al ected to grow



by >40% by 2050. Housing and business growth.



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Ellwood Energy Storage, Substation Connected Battery Energy Storage

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Note from the mayor

Some of the buildings include the Ottawa Art Gallery, the Royal Canadian Mint, and the Royal College of Physicians and Surgeons. You can even go behind the scenes at the Lemieux ...



Ottawa BESS 2

Facilities that successfully demonstrate their capabilities will be contracted by mid-2024, with operations starting on or before May 1, 2028. The Ottawa BESS 2 Project, among other ...

[Two Battery Energy Storage System Projects ...](#)

The two BESS projects represent a potential investment of approximately \$1 billion in clean energy technology in the Ottawa-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 ...

Ottawa residents split on new rules for energy storage facilities

Evolugen, a renewable energy company based in Gatineau, Que., is looking to build a facility in South March after its initial plan to build one in Fitzroy Harbour failed to get ...



[Ottawa residents split on new rules for energy ...](#)

Evolugen, a renewable energy company based in Gatineau, Que., is looking to build a facility in South March after its initial plan to ...



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 ...



Regulations approved for battery energy storage systems in Ottawa

The Agriculture and Rural Affairs Committee in Ottawa approved Official Plan and zoning amendments to establish land-use policy for siting Battery Energy Storage Systems ...

Parking tickets

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Two Battery Energy Storage System Projects Selected by the ...

The two BESS projects represent a potential investment of approximately \$1 billion in clean energy technology in the Ottawa-area, helping improve grid reliability amid the ...



[Huge electrical storage project sparks controversy](#)
...



Essentially, a BESS is a massive collective battery -- in this case a lithium ion battery -- to store electricity and distribute it as needed. ...



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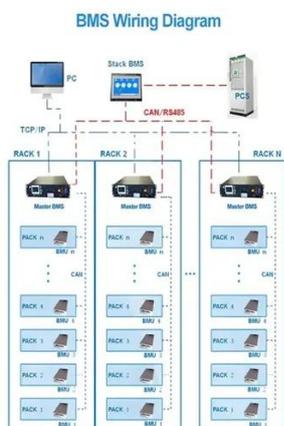
Garbage and recycling

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collection calendar, waste explorer



Battery Energy Storage Systems (BESS) ...

On May 9, 2024, the IESO announced that ten
proposed BESS projects were selected, totaling
1,784 megawatts (MW) of energy ...



Research Guide_Genealogy Collections



The City of Ottawa Archives offers access to many primary and secondary resources in its corporate, community and reference collections that support genealogical research, with an ...



Tickets , City of Ottawa

The City of Ottawa launched the Administrative Penalty System (APS) on June 4, 2025. This system changes how certain Provincial Offence Act violations are handled.

Pay the ticket , City of Ottawa

The City of Ottawa is not affiliated with any other online payment platform for the payment of these parking penalties outside of Paymentus. Please note that effective ...



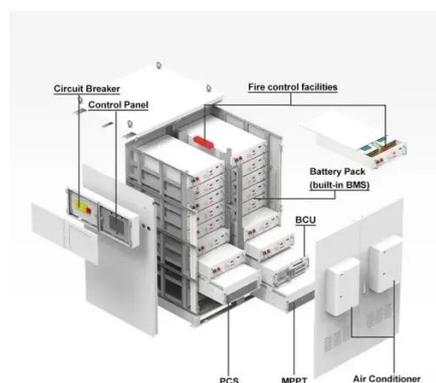
Optimizing Ottawa's Power Grid

"By enabling greater use of renewable energy, reducing emissions, stabilizing the grid, and empowering customers, battery storage is poised to help Ontario create a cleaner, more ...

[City approves zoning of battery storage building](#)



Changes have been made to the city's Official Plan and zoning bylaws to create a building for storing electricity in off-peak hours from the grid.



Ontario's push for energy independence gains momentum with Ottawa

In West Ottawa, a proposed energy project will address Ontario's growing need for electricity and promises to stabilize the province's energy grid, preventing potential blackouts.

Rent Supplement Program for tenants

The Rent Supplement Program helps low and moderate households with housing costs. Rent-Geared-to-Income (RGI) provides affordable housing to eligible low-income families in ...



City of Ottawa

Living in Ottawa property taxes, by-laws, licenses and permits, animals and pets, water and environment...

[City approves zoning of battery storage building](#)



Changes have been made to the city's Official Plan and zoning bylaws to create a building for storing electricity in off-peak hours ...





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