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# Ottawa Grid Energy Storage

Does Ottawa have a battery energy storage plan?

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 energy in periods of high demand.

Who approves energy storage systems in Ontario?

The primary authority for the Installation and Approval of Energy Storage Systems connected to the electrical grid in Ontario is the Electrical Safety Authority (ESA). The ESA administers Part VIII of the Electricity Act and oversees the Ontario Electrical Safety Code (OESC).

Who owns energy supply in Ontario?

While the Province of Ontario is the regulator and owner of electricity generation supplies, municipalities have siting authority over new proposed renewable energy generation and storage projects, such as BESS. The approved amendments set policy direction for siting BESS within Ottawa's rural and urban areas.

What is a lithium-ion battery energy storage system?

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 in the City of Ottawa with the Ottawa BESS 2 Project.

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Professor Schell was interviewed by Stu Mills of CBC Ottawa to explain the need for battery energy storage systems in the Ontario power grid, and particularly in Ottawa. With electricity demand expected to ...

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 ...

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

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 ...

The grid that sends electricity to our community's homes and businesses is an engineering marvel. But if we're going to meet your energy needs and keep up with the ...

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