



Office energy storage ottawa

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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 1 Procurement.

It is important to us that Ottawa BESS 2 be successfully integrated into the City of Ottawa and we are seeking to incorporate feedback through Public Community Meetings and this Project Website into the development of this Project.

Ontario is entering a period of emerging electricity system needs driven by increasing residential and commercial demand due to the electrification of the automotive sector, growth of the agriculture sector, the retirement of the Pickering nuclear plant, refurbishment of other nuclear-generating plants, and expiring contracts for existing facilities.

In response, the IESO is conducting procurements, including the ongoing Long-Term Request for Proposals ("LT1 RFP"), to secure more than 4,000 MW of capacity in Ontario. 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 electricity storage sites, will help address emerging global and regional electricity needs for the coming decades.

When Ontario's electricity grid needs more power (like on the hottest days of the year), the IESO turns to on-demand resources, like energy storage, to support Provincial electricity needs. Decentralized energy storage infrastructure can prevent emergency grid events such as rolling blackouts, and help defer more capital-intensive system upgrades that directly impact rate-payers. Ideally, BESS sites are located near electricity substations or 3-phase power lines to improve overall efficiencies.

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.

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. This infrastructure project will bring significant investment and local benefits including employment, lease payments and capital spending in the local economy.

The Ottawa BESS 2 Project is being developed by Ottawa BESS 2 Limited Partnership, an affiliate of



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Wahgoshig Solar FIT5 LP which has been approved by the IESO among the 55 Qualified Applicants with the experience and capabilities to successfully develop, construct, and operate facilities acquired through these procurements.

The Ottawa BESS 2 Project will consist of lithium-ion battery cells connected in stacks and installed inside an enclosed area, like a shipping container or a small enclosure. The enclosed area will also house the balance-of-plant equipment such as an inverter, a battery management system and a dedicated HVAC unit for proper ventilation. The battery packs feed inverters that connect to a transformer tied to the power grid. The Project will also have a private access road connecting the site with 8th Line Road.

The Ottawa BESS 2 Project will comply with all regulatory bodies permitting requirements including the Electrical Safety Authority, the City of Ottawa, and the Ministry of Environment, Conservation and Parks.

The Ottawa BESS 2 Project will meet or exceed all safety standards applicable to stationary storage, including UL 9540A, NFPA 855 and others. The Ottawa BESS 2 Project will use dedicated HVAC systems to remain well-ventilated to keep the batteries at the optimal operating temperature. Additionally, as part of the Project's proposed Community and Indigenous Engagement activities, Ottawa BESS 2 Limited Partnership will sponsor certified fire safety training for fire department personnel at the Georgina Fire and Rescue Services.

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