

# **Are Ottawa s energy storage batteries environmentally friendly**





## Overview

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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.

Is battery energy storage the best way to meet Ontario's growing electricity demand?

Battery energy storage is the most affordable, lowest-emission path to meeting Ontario's growing electricity demand and delivering a reliable power supply in rural Ottawa, and it can get the job done with a laser focus on safety, concludes a new analysis by Dunsky Energy + Climate released Thursday.

Why is battery storage important?

The storage capacity of a battery determines how much electricity it can hold. It's important to size the battery appropriately based on your energy usage and backup power needs. Battery storage technologies are making the case for replacing fossil fuels with renewable energy.

Do battery energy storage systems win big on community & costs?

Battery energy storage systems (BESS) win big on community, costs, and climate, concludes the study commissioned by Evolugen, a Gatineau, Quebec-based unit of Brookfield Renewables that is seeking to build a 250-megawatt BESS facility in the rural community of South March, in Ottawa's west end.



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### Regulations approved for battery energy storage systems in Ottawa

Jan 30, 2025 · 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 ...

### [Explaining the need for battery energy storage in Ottawa](#)

Jun 30, 2025 · 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 ...



### Ottawa city council throws support behind rural battery energy storage

1 day ago · Ottawa city council overturned a unanimous rejection of a municipal support resolution (MSR) for a controversial battery energy storage system (BESS) in the South March area.

### [Ottawa's Reliance On Batteries To Back Up Wind And Solar ...](#)

Jul 29, 2023 · 310 MW of local energy storage by 2030 and 612 MW by 2050 (122 large shipping containers of lithium batteries) It is extremely expensive to provide bulk electricity storage ...



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

Jun 7, 2025 · Massive Battery Energy Storage System project sparks controversy at Ottawa committee meeting City approval is being sought for a Battery Energy Storage System (BESS) ...



[Eco-friendly, sustainable, and safe energy storage: a nature ...](#)

Sep 30, 2024 · Here, we explore the paradigm shift towards eco-friendly, sustainable, and safe batteries, inspired by nature, to meet the rising demand for clean energy solutions. Current ...



**Statement: Ottawa Council Applauded for Advancing Landmark Battery**

1 day ago · The battery storage project alongside the six solar projects Council supported earlier this fall will reduce the city's reliance on expensive gas-fired electricity during peak demand ...





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