



# Ottawa Wind and Solar Storage





## 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 Ottawa looking at regulatory changes around battery energy storage facilities?

Ottawa is looking at regulatory changes around these types of facilities. (Ross D. Franklin/The Associated Press) UPDATED: City councillors unanimously approved the new rules for battery energy storage facilities at their meeting on Feb. 12, 2025.

How will a battery storage project benefit Ottawa?

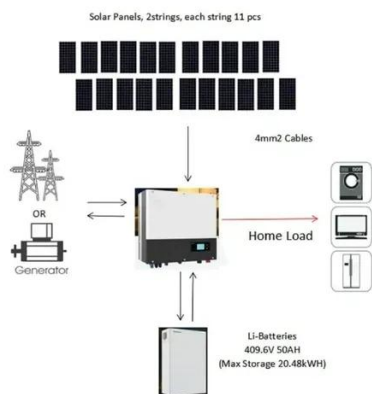
The battery storage project alongside the six solar projects Council supported earlier this fall will reduce the city's reliance on expensive gas-fired electricity during peak demand and strengthen Ottawa's ability to meet its climate and energy commitments.

Can a battery facility be built in Ottawa?

According to the new rules, companies looking to build a battery facility will have to show Ottawa Fire Services (OFS) that effective fire and safety risk management has been incorporated into the design. Companies will be required to install fire prevention and suppression systems, and provide OFS with site-specific training.



## Ottawa Wind and Solar Storage



### Ottawa residents split on new rules for energy storage facilities

Workers check battery storage pods at a lithium-ion battery storage energy facility in Arizona last year. Ottawa is looking at regulatory changes around these types of facilities.

### [Rural Ottawa councillors reject rezoning land for ...](#)

Proponents say the massive battery will store wind and solar-generated electricity. Opponents say the project doesn't belong on farmland.



### Ottawa's energy future: modernizing our grid for a sustainable ...

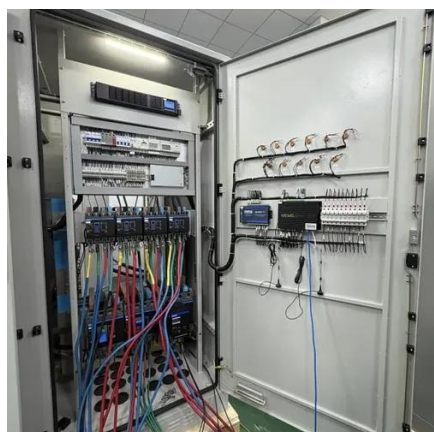
We're carefully adding new technologies to improve how we manage the grid, creating one that's smarter and more capable of seamlessly integrating distributed energy ...

### Uniquely Canadian market outlook report for wind, solar and ...

"The Outlook identifies a significant opportunity for renewable energy and energy storage deployment across Canada; with wind, solar and



storage expected to account for ...



### [RURAL OTTAWA MOST VULNERABLE FROM LOOPHOLE IN ...](#)

Not only has Ottawa rolled out the welcome mat for companies that propose BESS plants in the countryside, but it has also opened the door to wind and solar industrial sites in ...

### [Renewables, electrification, storage, and transportation](#)

Wind energy systems: research to support onshore and offshore wind development and expansion and address environmental issues



### [Uniquely Canadian market outlook report for wind, ...](#)

"The Outlook identifies a significant opportunity for renewable energy and energy storage deployment across Canada; with wind, solar ...





## Statement: Ottawa Council Applauded for Advancing Landmark

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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 ...

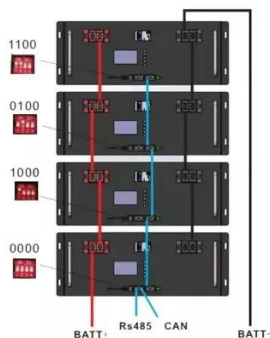


## Battery Energy Storage Systems (BESS) Provisions

BESS can also support renewable energy generation by way of wind and solar facilities, where production is intermittent. As a result, IESO has identified the need to increase ...

## Maximizing Grid Efficiency Through Renewable Energy Integration

Energy storage systems are essential to integrate renewable energy sources like solar and wind power into Ottawa's grid. These systems store extra electricity generated from ...



## Canada's wind, solar, and energy storage capacity grows 46% in ...

February 19, 2025 - The Canadian Renewable Energy Association (CanREA) announced that Canada's wind, solar, and energy storage sectors have grown by 46% in the last five years, ...



## [Canada's wind, solar, and energy storage capacity ...](#)

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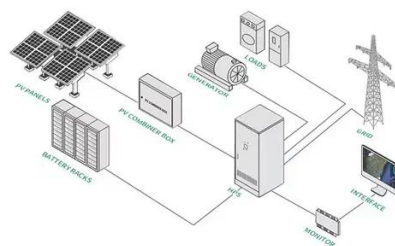
Workers check battery storage pods at a lithium-ion battery storage ...





## Rural Ottawa councillors reject rezoning land for battery project

Proponents say the massive battery will store wind and solar-generated electricity. Opponents say the project doesn't belong on farmland.





## Contact Us

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