

# Ottawa energy storage for demand response



## Overview

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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. Electricity production has lower GHG emissions in Ontario than in many other. Today, the Honourable Tim Hodgson, Minister of Energy and Natural Resources, and the Honourable Evan Solomon, Minister of Artificial Intelligence and Digital Innovation and Minister responsible for the Federal Economic Development Agency for Southern Ontario, announced \$6 million in federal funding. The objective of this project is to leverage AI-enhanced load forecast analytics at a granular, distribution transformer and feeder level, to strategically dispatch demand response signals for managing a variety of customer-owned DERs as a non-wires solution. This project aims to: Accelerate grid. A least-cost energy strategy can keep rising utility costs under control by boosting energy efficiency, speeding up heat pump installations, and using local renewable energy sources to reduce the need for new transmission lines, the Ottawa Climate Action Fund (OCAF) said today. OCAF was responding. communities and the province. 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. With electricity demand expected to increase 166% in the Ottawa area (compared to the 75% average across Ontario) Ottawa's grid.

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### Ottawa's 200th anniversary will feature a year of



"Ottawa's 200th anniversary is a chance to showcase to people visiting Ottawa who we are as a city - this is a destination that is creative, collaborative, and welcoming.

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### Upcoming traffic impacts for IRONMAN Canada-Ottawa

Ottawa's streets will transform into an IRONMAN racecourse on Sunday, August 3. The IRONMAN Canada-Ottawa event will start at 6 am with a 3.8-kilometre swim at Britannia Beach ...



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 **TAX FREE**    

**Product Model**  
 HJ-ESS-215A(100KW/215KWh)  
 HJ-ESS-115A(50KW/115KWh)

**Dimensions**  
 1600\*1280\*2200mm  
 1600\*1200\*2000mm

**Rated Battery Capacity**  
 215KWH/115KWH

**Battery Cooling Method**  
 Air Cooled/Liquid Cooled



### The Ottawa Distributed Energy Resource (DER) Accelerator Project

The objective of this project is to leverage AI-enhanced load forecast analytics at a granular, distribution transformer and feeder level, to strategically dispatch demand response signals ...

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### Rising Electricity Demand Calls for

## Least-Cost Energy Strategy

A least-cost energy strategy can keep rising utility costs under control by boosting energy efficiency, speeding up heat pump installations, and using local renewable energy sources to reduce ...

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## Ontario's Energy Future: How Battery Storage Can Meet Growing Demand

A proposed energy project in West Ottawa aims to address Ontario's increasing electricity demand by storing excess energy during low-demand periods and delivering it when demand peaks. ...

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## Summer Student

The City of Ottawa provides accommodation to applicants during all parts of the hiring process, upon request. If contacted to proceed to the selection process, please advise us if you require any ...

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## Council approves Ottawa's 2026 Budget

Council today approved Ottawa's 2026 Budget, which invests in the services



residents rely on every day, and the key priorities that make Ottawa a safe, reliable and affordable city.

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## Explaining the need for battery energy storage in Ottawa

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.

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## City of Ottawa

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

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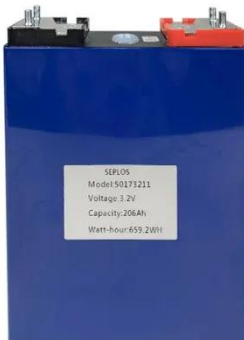


## A portrait Of Ottawa

More and more people are becoming aware of Ottawa's advantages: A study by Canadian Business ranked Ottawa as Canada's best place to live based on incomes, car ownership, unemployment

rate, ...

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## Government of Canada invests in AI for smarter and more efficient

It's a scalable blueprint for integrating cleaner, smarter energy across other areas of our service territory. By leveraging advanced technology -- combining predictive analytics with granular ...

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## Living in Ottawa

Immigrating to Ottawa why choose Ottawa, before and after you arrive, learning, working...

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## Optimizing Ottawa's Power Grid

Despite their low cost, solar and wind generation are intermittent resources, and batteries provide stability for these variable energy forms by storing excess

energy for use during peak demand.

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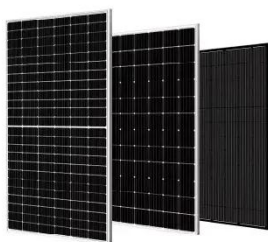
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## THE ROLE OF STORAGE AND DEMAND RESPONSE

By shifting supply and demand patterns, storage and demand response can not only significantly increase the penetration of VRE, but also can provide other significant sources of value such as

...

[Learn More](#)



## Ottawa's 200th anniversary to be celebrated with a special day at

The City, together with its partners, Ottawa Tourism and Ottawa Bluesfest, encourages residents and visitors to stay tuned for more details about the big day and other announcements ...

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## Ville d'Ottawa

Arts, patrimoine et événements tourisme  
Ottawa, événements, théâtres, musique,  
galeries d'art, foires et musées...

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## Maps , Open Ottawa

Locate Ottawa is the City of Ottawa's bilingual online geographic information system-based tool that provides immediate access to key information for site selectors and businesses looking for a new or ...

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## Pathway Study on Demand Side Management and Energy ...

This paper examines the role of demand side initiatives in electricity and thermal energy, including demand response, conservation and time of use pricing, with a particular focus on electrical and ...

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## Statement: Ottawa Council Applauded for Advancing Landmark ...

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 ...

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### **City of Ottawa: Energy Conservation and Demand Management ...**

Energy storage can be used for demand management including load shedding during grid peaks to help facilities participating in the ICI program realize greater financial savings.

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