



Project Highlight

City of Edmundston New Brunswick, Canada

AMERESCO 

Renewable Energy and Microgrid Project to Reduce City's Carbon Footprint

Technology Type:

Microgrid | Solar PV | Battery Energy Storage
System (BESS)

Solar Panels Installed

1,695

Solar Generation Capacity

1 MW

DC Coupled Energy Storage

2 MWh

Annual Estimated CO₂ Reduction

360 metric tons



Summary

In collaboration with Edmundston Energy, Ameresco is developing the Edmundston Microgrid project which will include 1 MW of roof mounted solar panels on two of its main sporting facilities – the Jean-Daigle Center and Sports Pavilion – plus the addition of a 2 MWh battery energy storage system (BESS). This project will enable the City to reduce its carbon footprint while better managing its demand through peak shaving.



Solution

Working with the Edmundston Energy team, Ameresco will fully integrate a BESS system designed to provide 1,043 KW / 2,087 KWh of power and energy and 1 MW solar generating capacity ultimately giving more capacity to manage the demand. As the Sports Pavilion is used as an emergency response shelter in case of major emergencies, the microgrid will have the future potential for the facility to be energized in an emergency situation. Citizens will have the opportunity to learn more about the technologies used in this project through a live broadcast on the City's website and video display screens at the facilities.

- 1 MW solar facility
- Direct current-coupled energy storage
- Real-time dashboard information sharing

“For several years, through our strategic planning, we have aimed to continually find ways to reduce greenhouse gas emissions while promoting renewable energy. The announcement of this solar panel project completely aligns with this objective. We are very grateful to our provincial and federal partners for their contribution and their constant collaboration, which allows us to take this step in a very important project for the city of Edmundston.”

His Worship Éric Marquis,
Mayor of the City of Edmundston



Benefits

The Edmundston microgrid project will enhance the local economy and boost renewable energy solution projects for the City and its surrounding partners. Additional benefits of the project will include:

- Managing peak load demands within the city
- Offsetting approximately 360 metric tons of CO₂ per year over its useful life
- Improving grid resiliency
- Providing backup power for local commercial businesses and residents
- Developing local expertise in renewable energy systems

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

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