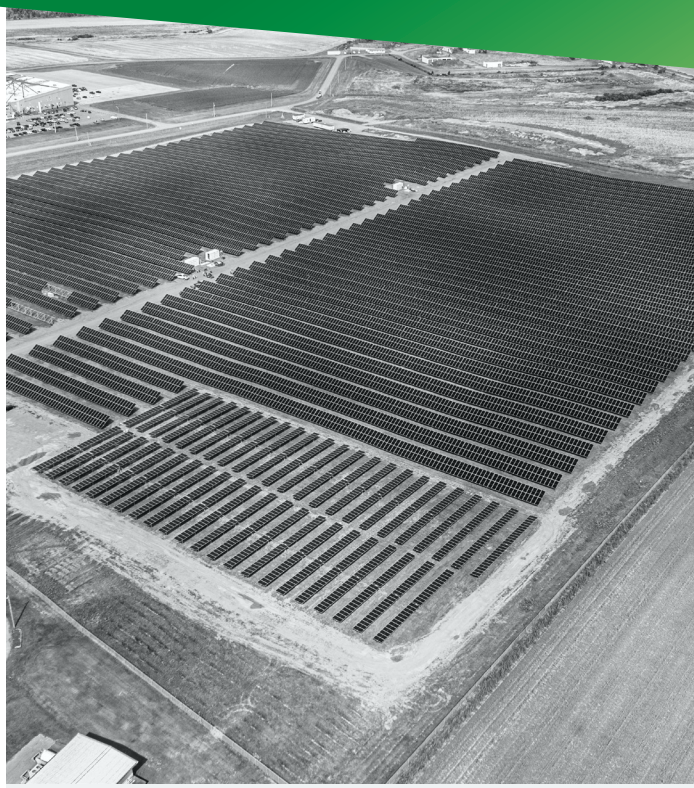
Project Highlight

Prince Edward Island Slemon Park Microgrid, PEI

AMERESCO

Microgrid to Further PEI's Goal of Achieving Net Zero Energy by 2030



Technology Type:

Microgrid | Solar PV | Energy Storage System

Solar Generation Capacity

10 MW

DC Coupled Energy Storage

1.5 MWh

Carbon Emissions Reduction

4,500 tonnes CO_2 annually

Net Zero Energy by

2030

Summary

In collaboration with Prince Edward Island Energy Corporation, Ameresco developed the Slemon Park Microgrid co-located with a 10 MW solar facility and energy storage assets to strengthen PEI's renewable energy solutions. The project will help manage peak load demands within Slemon Park and is expected to offset approximately 4,500 tonnes of CO_2e/year over its useful life. In addition, the project will enhance local economic development and furthers PEI's goal of net zero by 2030.

Solution

Working collaboratively with the Slemon Park Corporation, Ameresco and PEI Energy Corporation utilized the park's unique infrastructure to successfully implement the microgrid. The Slemon Park Microgrid consists of a 10-MW solar facility with direct current-coupled energy storage, meaning that the co-located solar and energy storage assets will share the same interconnection. The project included significant community outreach to educate visitors from various groups including the indigenous community, engineering students and engineers.

- 10 MW solar facility
- Direct current-coupled energy storage
- Sheep for vegetation control
- Designed with a focus on R&D with new battery tech, tracker section, and string and central inverters

"The Slemon Park Microgrid project will further our goal of achieving Net Zero energy by 2030 on Prince Edward Island. With the addition of a new, clean renewable energy grid, we'll be able to better reduce our baseline greenhouse gas emissions and create a more resilient future."

Steven Myers
Minister of Environment, Energy and Climate Action, PEI Energy Corporation

Benefits

The Slemon Park Microgrid project will enhance local economic development and strengthen renewable energy solutions in Prince Edward Island and include the following benefits:

- Manage peak load demands within Slemon Park
- Offset approximately 4500 tonnes of CO_2 per year over its useful life
- Improve grid resiliency
- Energy storage systems will benefit local commercial businesses and residents
- Provide jobs for local workforce and attract new businesses

AMERESCO

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**.