

Con Edison Battery Storage

a Con Edison Clean Energy Business

NATIONAL PARK



This project created and commissioned two separate microgrid systems on opposite ends of the island – the Rock Harbor site and Windigo site. Before this installation, each island was powered by generators only.

Each system includes PV arrays, batteries, generators, and two inverters -- there are four inverters total. One inverter connects to the PV array and one to the battery bank.

A site controller manages the microgrid, performing monitoring and control tasks. The goal of the system is to minimize use of the generators, providing power to the grid using mostly PV and battery and using the generators only to charge the batteries and at times when PV and battery cannot meet the load on the system.



PROJECT DATA

LOCATION

Michigan

COMMISSIONED

Fall 2014

TWO MICROGRID SITES USING:

- Solar PV
- Energy Storage
- Existing Generators

SYSTEM

- ESS: 100 kW / 288 kWh
- Solar PV: 46.2 kWDC
- Generators 475 kW

Windigo

- ESS: 100 kW / 650 kWh
- Solar PV: 118.8 kWDC
- Generators 475 kW

VALUE

Minimize fuel use