

Small Business Program

Bonnie Castle Resort

Bonnie Castle Resort

Bonnie Castle Resort is located on the St. Lawrence River in Alexandria Bay, NY. It features a resort, marina, conference and banquet hall space and three restaurants.

Bonnie Castle Resort retained SmartWatt, via National Grid's Small Business Services Program, to conduct an energy audit of all lighting systems at its marina in Alexandria Bay, NY, for potential energy-saving upgrades. SmartWatt engineered a plan to replace the existing lighting systems with energy-efficient fluorescent and LED lighting fixtures throughout interior and exterior areas. The owners' goals were to improve the overall appearance of their marina, increase the quality and quantity of light and to save money on energy costs.

Energy Efficiency Solutions

- High-efficiency fluorescent and LED lighting upgrades throughout office, service, retail, garage and exterior areas helped Bonnie Castle Resort shed 33,400 kWh from its marina.

Savings Summary

This project has led to the equivalent reduction of 36,740 pounds of carbon dioxide, removing pollutants from the air and having the same effect on the environment as:

- Planting 590 Trees
- Saving 2,590 Gallons of Gas
- Removing 5 Cars from the Road

The result:

Total Project cost	\$10,677.01
National Grid incentive	\$7,474
Cost to customer	\$3203.01
Annual kWh savings	33,399.65 kWh
Annual energy cost savings	\$3,720



Alexandria Bay, NY