

# Bonnie Castle Resort

## The Company

**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.

## The Challenge

**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 goals of the owners were to improve the overall appearance of the marina, increase the quality and quantity of light and to save money on energy costs.

## Smart Savings

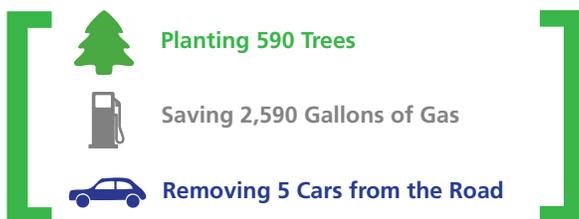
In addition to improved building appearance, Bonnie Castle Resort will enjoy the following realized energy savings from this lighting upgrade project:

- Monthly Energy Savings: **\$310**
- Payback Period: **10 months**

**National Grid Rebate: \$7,474**

## Green Impact

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:



Source: EPA

## lighting energy savings



Above: Bonnie Castle Resort in Alexandria Bay, NY

## Bonnie Castle Resort Marina & Resort

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.