

City Reduces Annual Utility and Maintenance Costs by \$190,570

The City of Canandaigua cut energy costs by 35% and gas consumption by 20%, while improving the overall lighting and environment of multiple facilities. All with no up-front capital.



The Challenge

The City of Canandaigua sits at the north end of Canandaigua Lake, just 25 miles southeast of Rochester. Originally known as “The Chosen Spot,” the City boasts a historic downtown corridor bustling with locally-owned shops, art galleries, restaurants, and bed and breakfasts. The City partnered with Centrica Business Solutions to update their street lights and reduce energy costs – without impacting the City budget.

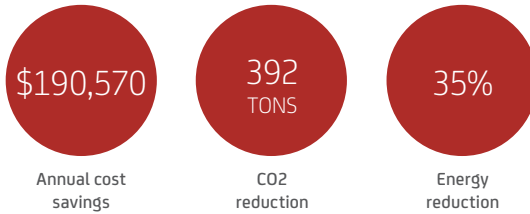
The City was paying high utility and maintenance costs for their existing street lights. There were also areas around the downtown business district that were under-lit. The City was looking to utilize the street light buy-back program to save energy, reduce utility costs and improve safety for residents and visitors.

The Solution

Combining street lighting improvements with additional municipal building improvement measures allowed Centrica Business Solutions to offer the City a Guaranteed Energy Savings Agreement. As such, all project costs—including the streetlight buy-back costs—were covered by the energy savings. No capital was required.

Cost-saving efficiency upgrades included:

- LED street light upgrades
- Boiler replacements
- Temperature control systems
- Rooftop HVAC units
- Building weatherization



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The new poles and light fixtures have transformed Main Street. In addition to massive aesthetic improvements, your team also helped improve the efficiency of several buildings in dire need of upgrades.”

Rob Richardson, Assistant City Manager for the City of Canandaigua

Why Centrica Business Solutions?

- Centrica Business Solutions has designed and implemented lighting system upgrades for more than 20,000 customers across the U.S.
- As a self-performing contractor, we are able to save our customers time and money, while also ensuring consistent quality, and improves safety
- Since we’re not affiliated with any vendor, customers are assured of unbiased technical consulting



The Impact

The City has now reduced their annual electricity consumption by 35% and decreased their annual gas consumption by 20%—all while improving the overall lighting and environment of each facility. The engineering team completed a Streetscape Proposal that provided increased light levels throughout the City—especially on the sidewalk areas in the business district. The City also experienced a major reduction in maintenance costs as well as \$160,000 per year in utility savings.

- Annual Energy Savings Cost: \$31,157
- Annual Maintenance Cost Savings: \$159,414
- Carbon Dioxide Reduction: 392 Metric Tons
- Overall Energy Reduction: 35%

By removing this quantity of CO₂ from the atmosphere, this project will have the same effect on the local community as:

- 6,482 tree seedlings grown for 10 years
- 512 acres of U.S. forest preserved
- 84.7 cars off the road for one year
- 44,109 gallons of gas saved