

CASE STUDY

Granville Village

Granville, OH



The Client

Granville Village, with a population of roughly 5,000 residents, is located in a rural area of central Ohio 35 miles east of Columbus, the state capital. Granville is the home of Denison University, and is considered, “One of Ohio’s Best Hometowns.”

The Challenge

Granville sought to better understand their utility and operations expenses and make improvements to systematically offset the rising costs of energy and increased demand. They needed a partner to help them outline a plan that focused on reducing their energy consumption and carbon dioxide emissions. By saving money through energy efficiency, they could reduce their overhead costs, free up funds for the village, and also decrease their environmental impact.

Our Solution

Plug Smart developed and implemented an energy services project that upgraded and replaced the lighting, fixtures, and controls of street lights and in multiple buildings including: the Bryn Du Mansion (a historic house owned by the Village), the Water Plant, the Service Department, the Wastewater Treatment Plant, and the Administration Building. In addition to reducing the village’s energy use, the project reduced their operation and maintenance costs by over \$12,000 annually.

\$67K

Total Investment

...

\$236K

Total Utility Savings*

...

**105
TONS CO₂**

Total Annual Energy Savings



Increased street lighting CRI (Color Rendering Index) from 60 to 80

...

Interior and exterior lighting replaced with LEDs

**Based on 15-year useful life at 3% escalator on utility costs.*

By using the plan we developed with Village officials, we were able to reduce their energy use and complete a village-wide lighting upgrade that will decrease operating expenses, serve residents and make an environmental impact for years to come!”

—Jarret Kelley,
Plug Smart

Director of Engineering