

# Case Studies – LED Experience in Public Facilities

## K-12 Schools

### Bellbrook-Sugarcreek Schools CASE STUDY



#### PROJECT SCOPE:

- LED Interior Lighting Retrofits
- Exterior LED Lighting
- Building Controls Upgrades
- Mechanical System Upgrades
- Smart Controls in Kitchen Appliances
- Energy Education Program

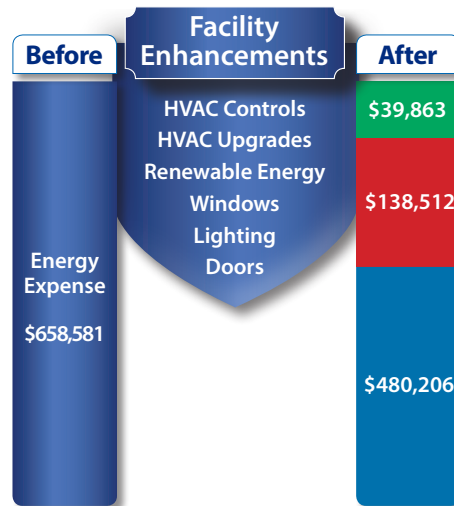
### Bellbrook-Sugarcreek Schools Bellbrook, Ohio

**Project Cost:** \$1.7 million  
**Annual Savings:** \$178,375  
**Positive Annual Cash Flow:** \$39,863  
**Simple Payback:** 9.39 years

#### Annual Energy & Environmental Savings

Electrical Savings - 982,316 kWh  
 Fuel Savings - 7,005 MMBtu  
 Cars Taken off the Road - 307  
 Acres of Trees - 468  
 Year Implemented - 2015

### Energy Cost Savings



■ Extra Money in the District's Pocket  
■ Annual Project Payment  
■ Reduced Annual Operating Expense

### Testimonial

*"We launched this project because we are committed to making the best, most cost-effective use of tax dollars possible. Moving to all-LED lighting made sense. We wanted to take a proactive approach to energy savings and put in place the latest technology, rather than continue to rely on lighting systems that are - or will soon be - obsolete."*

**Dr. Keith St. Pierre**  
Superintendent

*"This is a very substantial and concrete commitment by the district's school board and administration to the students and taxpayers of their community. The district will be positioned for both immediate and long-term financial savings, all of which will benefit the students and, by extension, taxpayers."*

**State Representative Richard Deralec**

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