

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

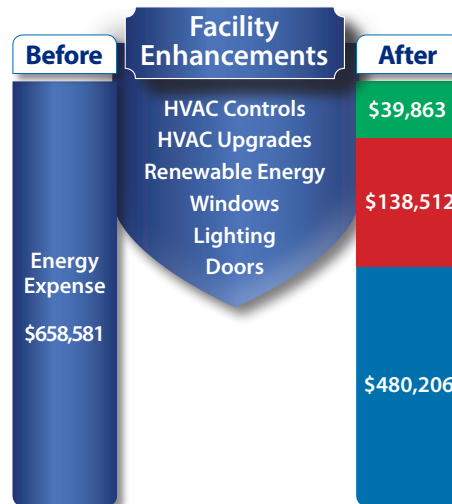
Bellbrook-Sugarcreek Schools Bellbrook, Ohio

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 Perales

Bellbrook-Sugarcreek Local Schools
 Dr. Jeff Lewis, Director of Business Operations & Interim Superintendent
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Kettering City Schools CASE STUDY



PROJECT SCOPE:

- HB264
- Interior Lighting Retrofits
- Exterior LED Lighting

Kettering City Schools

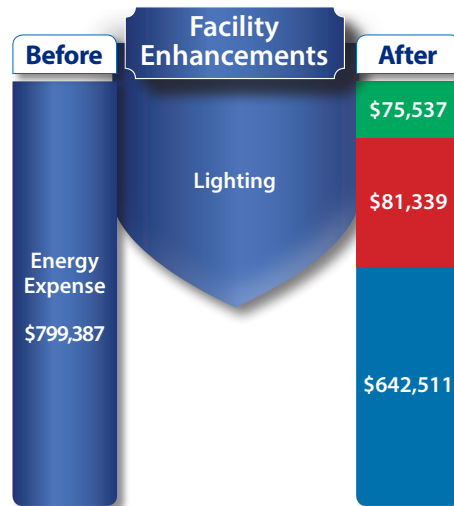
Kettering, Ohio

Project Cost:	\$1,197,759
Annual Savings:	\$118,212
Utility Rebates:	\$513,289
ROI:	19.88%

Annual Energy & Environmental Savings

- Electrical Savings - 1,235,759 kWh
- Fuel Savings - 9,322 MMBtu
- Cars Taken off the Road - 393
- Acres of Trees - 601
- Year Implemented - 2016

Energy Cost Savings

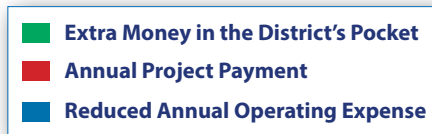


Testimonial

"In an age of declining revenue and resources, the ability to reduce our operational expenditures through greater energy efficiency is tremendously important for the fiscal health of the school district. The project will enable us to save precious dollars that can be redirected into the classrooms for quality instruction for our students"

Ken Lackey
Director of Business Services

Kettering City Schools
Ken Lackey, Director of Operations
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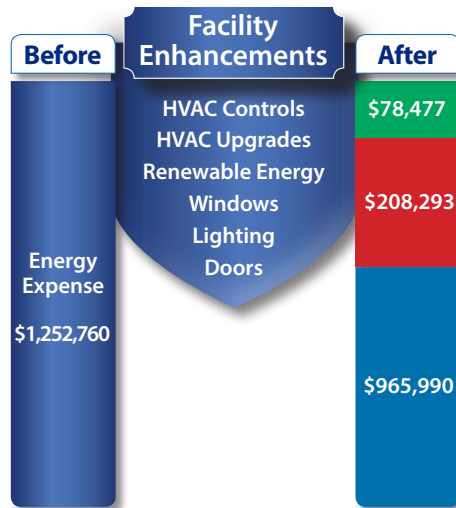
Lima City School District Lima, Ohio

Project Cost: \$2.5 million
Annual Savings: \$286,770
Positive Annual Cash Flow: \$78,477
Simple Payback: 8.64 years

Annual Energy & Environmental Savings

Electrical Savings - 1,724,380 kWh
 Fuel Savings - 4,113 MMBtu
 Cars Taken off the Road - 421
 Acres of Trees - 642
 Year Implemented - 2015

Energy Cost Savings



Testimonial

"This is a tremendous opportunity to improve our operational efficiency and learning environments. As the largest district in the county, we feel it's imperative that we demonstrate to our students and our community that we are making wise use of both our natural and our financial resources."

Jill Ackerman
Superintendent

Lima City Schools
 Jill Ackerman, Superintendent
 jackerman@limacityschools.org
 419.996.3400

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