

# MINSTER LOCAL SCHOOLS



## MINSTER, OHIO Efficient Lighting Project

Minster Local Schools (MLS) is a public school system comprised of an elementary school and a joint middle and high school. MLS emphasizes creating an environment that allows its more than 800 students to develop and implement academic and personal growth, life-long learning, values and respect, teamwork, and problem solving.

### PROJECT GOALS:

Reduce energy consumption while improving lighting quality at the two school buildings in the district.

### SOLUTION:

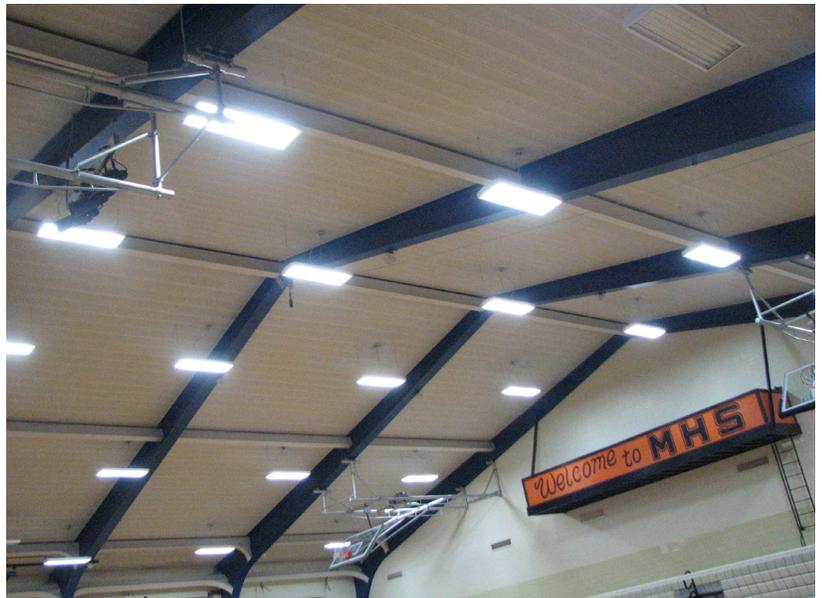
Replace outdated light fixtures with energy-efficient alternatives.

### PROJECT SUMMARY:

In 2012, Minster Local Schools completed an efficient lighting project at its joint middle and high school to reduce energy consumption. The school district worked with Mesco Electric Supply to replace more than 800 existing T12 lighting fixtures with high-performance T8 (HPT8) fixtures in the classrooms, and to install more than 30 HPT8 fixtures in the gym.

After the success of the first project, MLS completed an additional efficient lighting project at its elementary school in 2013. Mesco Electric Supply again worked with the school district to replace 400-watt metal halide fixtures with high-bay T8 fluorescent fixtures in the gym.

Efficiency Smart reviewed the lighting projects and validated energy savings potential. The Minster community embraced the projects, as many volunteers offered time and equipment to help make the efficient lighting upgrades possible. As a result, Minster Local Schools was able to reduce energy consumption significantly, and the new lights improved lighting quality and provided a better learning environment across the school district.



### PROJECT FACTS AT A GLANCE

**Annual kWh Savings:**  
189,700 (combined)

**Annual Cost Savings:**  
\$11,000 (combined)

**Lifetime Cost Savings:**  
\$164,900 (combined)

**Simple Payback:**  
2.19 years (average)

**Annual CO<sub>2</sub> Reduction:**  
362,100 pounds (combined)

### PROJECT PARTNERS

Laura Klosterman, Treasurer,  
Minster Local Schools

Tim Jay, Maintenance Supervisor,  
Minster Local Schools

David Prenger, Contractor,  
Mesco Electric Supply

Donald Harrod, Village Administrator,  
Village of Minster