

Project Profile

WESTVIEW SCHOOL CORPORATION

Westview School Corporation is a highly rated, public school district located in Topeka, IN. Approximately 2,200 students are enrolled in grades K-12 across 5 core educational buildings in the district. Through a transparent, competitive selection process, the school corporation awarded a multimillion-dollar energy savings performance contract to **Performance Services**, an energy services company (ESCO) based in Indiana.

Facility Type:

K-12 public school

Technologies:

LED interior and exterior lighting; dimming and occupancy sensors

Energy Savings:

More than \$85,000 per year

Incentive:

\$92,000 rebate from NIPSCO & LaGrange County REMC

Situation

The district desired an improved visual experience across their facilities in addition to reduced energy and maintenance expenses. Performance Services implemented an energy savings project for the district in the past and sought assistance with the lighting system upgrade. The Performance Services team called upon lighting specialist Eco Engineering to assist in the development and installation of a lighting design that would meet the needs of their client within the budget allocated.

Solution

The energy efficient lighting project converted existing interior and exterior lighting to LED technology in the district's junior-senior high school, four elementary schools, and administrative facilities. Full dimming controls were installed in classrooms to provide an enhanced learning environment for the students. Similar controls were deployed in the gymnasium to enable settings that matched the range of events held in the venue. Additionally, occupancy sensors were installed in bathrooms, hallways, conference rooms, offices, and other areas to reduce lighting usage when areas are unoccupied. Energy savings and reduced maintenance costs objectives were realized and the overall quality of light across these district buildings was enhanced.

Results

- **Reduced Consumption**
Increased efficiency from the LED technology will reduce energy consumption by 1,519,389 kWh in the first year.
- **Reduced Expenses**
The lighting portion of the project delivered \$85,100 in annual energy savings and an additional \$16,500 in sustained annual maintenance savings. The project met all detailed requirements needed for qualification of a substantial rebate from NIPSCO and LaGrange Country REMC, the local utility providers. The \$92,000 rebate reduced the district's payback period on the lighting investment.

