

Hulbert Public Schools

Energy-Efficiency Improvements
Hulbert, Oklahoma



QUICK FACTS

Completion: 2025

Total Square Feet: 118,000

Number of Buildings: 15

Total Project Cost: \$280,000

Annual Savings: \$35,500

Carbon Footprint Reduction:

300,270 lbs. CO₂e

ENERGY CONSERVATION MEASURES

- HVAC replacements
- building controls
- window film
- building envelope
- gym destratification
- energy awareness

BACKGROUND

Hulbert Public Schools, located in Cherokee County, Oklahoma, is a school district in the heart of Green Country and between Tahlequah and Wagoner. The district operates three schools, Hulbert Elementary, Hulbert Middle and Hulbert Jr-Sr High School serving grades PK to 12.

CHALLENGE

Hulbert Public Schools needed to address their aging and outdated HVAC equipment. ESP's team began by conducting a detailed analysis of the district's needs and energy-saving opportunities. Utility analysis, site visits, and conversations with staff revealed that there were opportunities for substantially improving system efficiency and decreasing operating costs.

SOLUTION

The district ultimately selected a group of improvements that addressed their immediate needs. The project included the installation of window film, building envelope improvements, air destratification in the gymnasium, HVAC replacements at the High School, building controls and smart thermostats District-wide.

BENEFITS

The new systems are providing a much more comfortable learning environment for students, faculty and staff. Energy savings are exceeding expectations and helping pay for the project. The project will save the district over \$35,000 annually on utility and operating costs. The district will also reduce its annual greenhouse gas impact by 136 metric tons of harmful emissions; the equivalent of 28.4 homes' electricity for one year.