



Northeast Vernon County R-1

Energy-Efficiency Improvements

Walker, Missouri

Summary

The Northeast Vernon County R-1 District is a small district made up of two schools, an Elementary School in Schell City and a Junior High/High School in Walker. The district serves 220 students.

NEVC engaged ESP to determine if there were any energy-saving improvements that the district could make to help save energy while improving the facilities. The district had numerous maintenance needs, but was having difficulty getting a bond passed for the improvements. ESP conducted an investment grade energy audit that identified several energy-saving opportunities.

The resulting project was a comprehensive district-wide energy-saving performance contract. Numerous improvements were made throughout the district, including: new lighting, sealing doors, windows and roof lines to prevent air infiltration, vending machine controls, programmable thermostats and timers, and thermostatic radiator valves.

A key component of the project was securing a low interest loan from the Missouri DNR and maximizing the rebate the district could receive from KCP&L. ESP handled all of the paperwork associated with submitting the loan and rebate applications, managing the required documentation and tracking to meet the loan requirements (Davis-Bacon, etc.), and measuring the results and savings.

Precise coordination of all trades involved allowed the project to be implemented on-budget, and in a very short time frame of less than two weeks.

"If your business or school district is pursuing a company for a major energy project, I highly recommend Energy Solutions Professionals. The workers were in and out of our school buildings so fast that it seemed like an "overnight job." The crews were careful to meticulously plan the entire project around our schools' needs. I cannot think of a single way to improve our project!"

Charles Naas, Superintendent

Energy Conservation Measures

- lighting system upgrades
- building infiltration
- programmable thermostats/timers
- vending machine controls
- thermostatic radiator valves



Quick Facts

Completion: 2012

Total Square Feet: 73,500

Number of Buildings: 2

Total Project Cost: \$172,000

Annual Savings: \$21,000