



Eminence Community School Corporation

Improvements anticipated to save \$30,000 in annual energy costs • Eminence, Indiana

Project highlights

With portions of the school dating back to 1931, Eminence Community School Corporation was in need of upgrades to replace its aging and outdated infrastructure systems. In addition, inconsistent temperatures throughout the buildings were creating a challenging learning and teaching environment at the school.

To address these issues, Eminence Community School Corporation undertook \$1.3 million in infrastructure improvements. The upgrades, which include updated systems, high efficiency HVAC controls and improved lighting are anticipated to save the school \$30,000 in annual energy costs with an expected payback of ten years or less.



About Eminence Community School Corporation

The oldest building at Eminence Community School Corporation was built in 1931. The district schools, including the elementary and junior/senior high school, serve approximately 550 students. The district takes pride in being a smaller rural school corporation with strong community support and a family atmosphere. The school district earned the "Trane Energy Efficiency Leader in Education Award" for sustainable energy and operational efficiency improvements at the school.



Building automation system allows building operator to customize classroom temperatures.

Systems, controls and services

- Tracer Summit® building automation system
- Wall-mounted unit ventilators
- Ceiling mounted heat pump systems
- Unit heaters
- 40-ton air cooled condenser
- Roof-mounted exhaust fans
- Lighting
- Electric boiler conversion
- Trane Performance Contract

Challenge

With inefficient systems, ineffective lighting and inconsistent temperatures, the aging infrastructure was compromising the quality of the learning conditions at Eminence Community School Corporation. Energy costs were also a major concern. School administrators sought to make the school more energy efficient and create the optimal classroom environment, while maintaining their fiscal responsibility.

Solution

Based on a successful long-term relationship, education leaders selected Trane to implement a performance-based solution, which includes energy-efficient technologies and a fully automated energy management system. The improvement project was funded through savings realized from a Performance Contract, a package of products and services customized to building requirements to deliver significant energy and operating cost reductions.

A Tracer Summit® building automation system (BAS) with PC workstation interface and high-efficiency HVAC controls help lower energy use and provide more consistent temperatures throughout the buildings. The BAS allows the building operator to perform daily tasks, respond to alarms, view reports and change settings for customized temperature adjustments in individual classrooms.

Dim lighting in the gymnasium was made brighter, while decreasing energy use. Upgrades to the gym also include high-efficiency air conditioning, air handling and exhaust fan systems for greater student comfort.

Results

Upgrades at the Eminence Community School Corporation are helping the school continue its mission of providing quality education to area students. The improvements create a better learning environment, while delivering significant energy and operating cost reductions. The customized products and services package is anticipated to save the school \$30,000 in annual energy costs with an expected payback of ten years or less.

In recognition of the importance of these upgrades and Eminence Community School Corporation's commitment to the reduction of its environmental footprint, Eminence Community School Corp. has earned the "Trane Energy Efficiency Leader in Education Award" for its sustainable energy and operational efficiency improvements.



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