

Vigo County School Corporation

Terre Haute, Indiana



Annual Energy and Operational Savings Over \$592,000



ESG’s plan provided 21 upgraded facilities while creating immediate positive impact on the learning environment for the students and teachers”

Tom Thornton,
Chief Financial Officer of
Vigo County Schools



Project Background

The Vigo County School Corporation (VCSC) located in Terre Haute, Indiana and under the leadership of Superintendent Daniel Tanoos, partnered with Energy Systems Group (ESG) to develop and implement comprehensive energy savings performance contracts. VCSC is made up of 3 High Schools, 2 Alternative Schools, 6 Middle Schools and 18 Elementary Schools.

Strategies & Solutions

In 1999 VCSC decided to take control over rising operating costs with an assessment of its utility costs which at the time averaged \$.845 per square foot. This was compared to other Indiana school facilities that had installed energy retrofits resulting in energy costs as low as \$.65 per square foot. Of the 19 VCSC schools surveyed, 9 schools were operating at more than \$.90 per square foot.

In 2000, VCSC and Energy Systems Group entered into an initial agreement to provide energy related upgrades at 20 of its facilities. This initial project resulted in a guaranteed cost reduction of over \$1 million per year over the term of the agreement. To date, ESG has met its savings guarantee for this project.

Key Installed Technologies

VCSC has implemented over \$30 million in comprehensive energy improvements and renovation projects in six phases which are estimated to save close to \$35 million over the terms of the contracts. The key measures installed include:

- Comprehensive HVAC Improvements and Replacements

- Lighting Systems Redesigns and Retrofits
- First school in Indiana to be 100% retrofitted with LED lighting
- Electrical System Upgrades
- District-wide Energy Management System
- Window Replacements
- Hot Water Pump Replacements
- 1.5 kW Wind Turbine with curriculum for science students
- High School Pool improvements

Environmental Benefits

The environmental impact of these improvements equate to one of the following:

- Removal of emissions equivalent to over 5,200 passenger vehicles per year
- Creating enough electricity to provide more than 3,800 homes per year
- Planting over 6,500 acres of forests annually



ESG is an award-winning energy services company that provides its customers with innovative energy efficiency, technology, and long-term financing solutions for modernization of their facilities and energy infrastructure.

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