



South Christian High School

Stewardship in Action

Objective: to help South Christian High School focus on operational energy efficiency opportunities.

Solutions

Many small adjustments were made to optimize the performance of the Building Management System:

1. Sequence of Operations
2. Schedules
3. Sensors
4. Set-Points

Results

- Energy use reduction - 240,000 kWh
- GHG reduction - 94.5 metric tons of CO₂
- Eligible for ENERGY STAR® NextGen® Certification, placing them among the top 5% most energy-efficient schools in the country.

Financials

- Projected annual savings - roughly \$20,500 annually with a return on investment in less than 2 months.
- Financial Incentives - the project received \$0.10/kWh saved (implemented) through Consumers Energy rebate program.

Project Highlights

- Energy conservation
- Quick ROI
- ENERGY STAR® NextGen®
- The savings were achieved without most of the students or teachers knowing it ever even occurred.



"Even new buildings can find opportunities for savings, not just older existing buildings."

Project Partners

- E3M Solutions
- Consumers Energy



ERIC DEVRIES
President
E3M Solutions