

Indian River School District

Selbyville, DE



In 2019, the Indian River School district completed \$8.2 million in energy saving improvements that increased the energy efficiency and comfort in 14 schools and 1 administration building, while decreasing the District's environmental impact.

Indian River partnered with Seiberlich Trane Energy Services to complete an investment grade audit of the facilities and to execute a performance contract to provide design and construction of the needed building improvements. The work was completed within a one year work schedule with minimal disruption to staff and students.

By improving efficiencies, the project saved approximately 25% of the bench marked annual electric consumption and 13% of the bench marked annual heating fuel consumption while reducing the district's carbon footprint by 20%.

"Having a partner like Seiberlich Trane Energy Services complete an independent audit of our schools was very helpful, but the fact that they put a dollar figure to address our issues and found a way to pay for them with efficiency savings was invaluable," said Joe Booth, Buildings & Grounds Supervisor, Indian River School District. "Having monthly measurement and verification reports shows us exactly where our energy is being consumed. We can use those reports to help change our behaviors to reduce our overall energy use."

Cumulative Results

The project improvements have exceeded original savings projections.

Energy Type	3 Year Guaranteed Savings	3 Year Verified Savings	Excess Savings
Electric (kWh)	12,174,546	13,953,818	1,779,272
Natural Gas (therms)	112,833	167,479	54,646
Water (kGal)	4,798	8,312	3,514
Cost Savings	\$1,501,191	\$1,779,350	\$278,159

Project Objectives

- Reduction district energy costs
- Meet energy reduction goals
- Improve learning environment for students and staff
- Promote a culture of energy conservation
- Improved HVAC operation
- Improved control over HVAC

Energy Conservation Measures Installed

- Interior & exterior LED lighting upgrades
- District wide BAS optimization and integration
- Boiler conversions to natural gas
- Building envelope improvements
- High efficiency water fixtures
- Chiller replacement
- Dynamic air cleaners
- High efficiency transformers

3 Year Savings Summary

