



“ We have maintained a long relationship with ESI because of their familiarity with our campus and the building automation solutions they are able to provide that reduce energy expense and carbon footprint. ”

– KEVIN LIPSCOMB
Director of Buildings & Grounds
Arrowhead Union High School District

DETAILS>>

Arrowhead Union High School is divided into a unique two-building campus. The South and North campuses serve nearly 2,300 students and more than 200 teachers and staff. Recently, ESI assisted the District in receiving ENERGY STAR certification for the South Campus High School with a rating of 86.

CHALLENGES>>

Since energy management is an ongoing district priority, Arrowhead has partnered with ESI to reduce its energy use, better manage its energy costs, and drive long-term benefits of these actions for years to come. As with any long-term relationship, issues arise that require attention. The key, however, is whether issues are resolved and whether it's done quickly.

“If there is ever a problem or challenge encountered during an improvement project, ESI has always provided solutions to ensure our concerns are addressed and that our investment is valued.”

– KEVIN LIPSCOMB

SOLUTIONS>>

ESI assisted Arrowhead Union High School District with the installation of a new direct digital controls system and the commissioning of existing HVAC/Mechanical equipment in an effort to operate the North and South campus facilities more efficiently.

Commissioning of the two campuses improved scheduling of heating, ventilating, and air conditioning equipment based on occupancy levels and varying outdoor and indoor conditions, which improves cost savings and occupant comfort in the school.

Arrowhead facilities' personnel, ESI, and contractors have implemented facility improvements over recent years that are expected to provide approximately \$132,360 in savings annually due to reduced energy consumption. ESI was instrumental in helping Arrowhead Union High School receive \$94,592 in financial incentives from Focus on Energy to help boost its efforts toward becoming more energy efficient.

ADDED ADVANTAGES

Because of energy efficiency investments made at Arrowhead Union High School, school district tax payers enjoy the following benefits:

- savings of more than 636,000 kilowatt-hours of electricity
- reduction of peak electrical demand by 438 kW
- savings of 29,000 Therms of natural gas annually—which is enough energy to power 94 Wisconsin homes for a year.

The facility upgrades not only save energy and money, but also benefit the environment. The annual environmental benefits are equivalent to offsetting the burning of 1,756 barrels of oil – eliminating more than 1,421,643 pounds of carbon dioxide (CO2) from being released into the atmosphere.

From innovative designs and installation to comprehensive management and support, ESI provides integrated, performance-building solutions that generate success stories. Contact us to find out how we can help you improve your building performance.