

CSD #158 - Algonquin

156- Academic Dr.
 Algonquin, IL 60102
 Doug Renkosik, Director of Ops. & Maint.
 847-659-6158



Project Cost: \$3,028,675
Construction Start/Stop Dates: April 1, 2011 / Anticipated August 2011
Type: Guaranteed Performance Contract
Term: 10 Year Term
Total Savings: \$3,948,818 Energy/Operational/Maintenance Costs

The Consolidated School District 158 (CSD 158) is underway with District-wide energy saving facility retrofits which are guaranteed to pay for themselves with the savings they will generate. Working together with CTS Group, CSD 158 is implementing leading-edge green technologies that will result in reduced energy and maintenance expenses and improved educational environments for the nearly 9,000 students served by the District.

“Through the use of green technology, our District will save money by making our facilities more energy efficient, while also reducing our impact on the physical environment,” said Operations and Maintenance Director Doug Renkosik. “At the same time, we will create a better learning environment that will empower our students to maintain their focus and obtain higher academic achievement.”

“The strain of high utility costs on an already tight budget needed to be addressed without going to the community with a bond issue for funding to upgrade the

inefficient systems,” explained Dr. John Burkey, CSD 158 Superintendent. “CTS Group presented us with a Performance Contracting solution that will allow the savings achieved by the retrofits to be redirected to fund the project. In fact, the savings and anticipated incentives will exceed the cost of the project resulting in a positive cash flow. It’s a win-win situation for the students, staff and tax payers.”

CTS Group assessed the District’s current energy costs and comfort issues to determine the most effective solutions. The resulting project scope will save the District more than \$316,000 in energy costs and \$36,000 in operations and maintenance in the first year alone. Through the Performance Contract, CTS Group guarantees the amount of savings to be achieved and agrees to pay the difference if that amount is not realized. In addition to the savings that the District will realize, substantial monetary incentives are anticipated with an Energy Efficiency Portfolio Solutions Grant through the Illinois Department of Commerce and Economic Opportunity.

CTS Group’s plan to reduce the District’s energy consumption and improve comfort within the facilities involves three energy efficiency measures (ECMs). Consolidated School District #158 has made many improvements in lighting over the last several years. CTS will continue with these efforts by upgrading some remaining inefficient lighting systems that will be replaced with the latest in fluorescent lighting technology and occupancy sensors. Retrofits will be made to the temperature control building automation system for improved efficiency and comfort throughout the District, and variable frequency drives will be added to the HVAC systems to reduce electrical usage of the motors.

The results of these upgrades will benefit students and staff with more improved comfort levels creating a more productive learning environment. The taxpayers will benefit by having the improvements completed with money that is already budgeted for utility costs so there is no need to increase taxes. And with CTS Group guaranteeing the savings, the District will not run short of the anticipated positive cash flow generated by the project. CTS Group has never had to cut a check for any savings guarantee shortfall on any projects.