

Fairless Local Schools District

Energy Star Award • Intelligent Control Services Agreement

Energy Star Award Illustrates Commitment to Energy Efficiency and the Community

Located in Stark Ohio, the Fairless Local School District consists of Fairless High School, Fairless Middle School and Fairless Elementary School. The District currently serves approximately 1,888 students in grades K-12 from the surrounding villages of Beach City, Brewster, Navarre, Wilmot and the townships of Sugar Creek and Bethlehem.

Challenge

Faced with rising energy costs and budgets, the Fairless Local School District had been working with Gardiner for three years on optimizing the Elementary School and Middle School buildings, equipment and controls and reviewing their buildings' set-points to reduce their energy consumption. The District was looking for a way to illustrate to the community that they were reducing their energy usage and saving the community and tax payers money.

Solution

Gardiner worked with Fairless Schools to optimize their buildings, equipment and controls. As part of the District's Intelligent Control Services Agreement with Gardiner, solutions and ways for the District to reduce their energy consumption and run more efficient were identified. Gardiner helped Fairless with the calibration of temperature sensors, adjusted the ventilation to match the occupancy load, established optimization routines for heating and cooling systems and adjusted set-points and time of day scheduling. Finally, Gardiner conducted a walk-thru of the school buildings to make sure that all lighting and comfort levels were acceptable for a proper learning environment. The process included reviewing the district's utility bills over a two year period, validating lighting levels, confirming ventilation rates and assessing building utilization. Once the data was collected, Gardiner certified it by a Professional Engineer (PE) and submitted it to the Environmental Protection Agency (EPA) for Energy Star qualification and approval.



Fairless Elementary School



Fairless Middle School

All three schools in the Fairless Local District obtained the Energy Star Award for "Excellence in Energy Utilization and Efficiency"

Fairless Local School District

Energy Star Award • Intelligent Control Services Agreement

Results

Since the completion of the energy savings projects at the Elementary and Middle Schools, the District has saved \$62,511 over the course of their Intelligent Control Services Agreement. All three schools in the Fairless Schools District earned the Energy Star Award for excellence in energy utilization and efficiency. According to the EPA, "K-12 schools that are Energy Star labeled, cost on average, 40 cents less per square foot to operate than K-12 schools without the Energy Star label." The success of achieving the Energy Star label and energy efficiency would not have been possible without the collaboration and partnership between Gardiner and the Fairless facilities and leadership teams. Everyone worked together to achieve the common goal of reducing energy usage and to run more efficiently.

“The Energy Star Award illustrates to the community how efficient we are in our energy consumption and with our tax dollars. We are able to invest the money we are saving, back into the classrooms, where it belongs.”

Mark Phillips, Treasurer



Project Overview

- 3 Schools Awarded Energy Star For Excellence in Energy Utilization & Efficiency
 - Fairless High School 77 Energy Star Rating
 - Fairless Middle School 79 Energy Star Rating
 - Fairless Elementary School 83 Energy Star Rating
- Estimated Energy Savings of \$62,511 Per Year
- Intelligent Control Services Agreement

GARDINER

For more information on Gardiner Solutions, visit
www.WHGardiner.com or contact us at 440.248.3400