



QUICK STATS

Location	Perkasie, Pennsylvania
PARTNER SINCE	2009
ENROLLMENT	7,300
SCHOOLS	7 elementary schools 3 middle schools 1 high school
Services	Energy Management

HELPING PENNRIDGE SCHOOL DISTRICT CUT ENERGY COSTS

Due to rising energy costs, the Penncridge School District enlisted Aramark to provide an energy management program to lower the district's energy consumption costs. Aramark was brought in to provide a comprehensive, operations-based program to the district, which encompasses 1.3 million square feet. The goal of the program was to reduce energy consumption and budget impact with minimal capital investment by focusing on optimizing existing equipment and operations through systems optimization and staff training.

Results

energy consumption reduction

28.6%

Saving the district

\$2,305,908

in energy costs

Optimization of Existing Building Systems

- By analyzing the existing building management systems, Aramark was able to optimize the operation of HVAC controls and lighting equipment, especially during unoccupied periods. Aramark also performed on-the-job training with the facilities staff during building optimization reviews.
- Aramark conducted ongoing evaluations of overall building operations to promote the efficient use of facilities while reducing energy waste.
- Moving forward, the district will focus on making sure that energy consumption controls are provided and adequately tuned in all of the district's buildings.



Develop a Standard Energy Policy

- Aramark assisted the district in organizing an energy committee to develop a standard energy policy to promote energy conservation awareness throughout the district.
- The energy policy regulated classroom temperatures to 68°F in the heating season and 75°F in the cooling season; temperatures were also determined for the gymnasiums, pools, hallways, and offices. Additionally, the new energy policy called for the heat in the buildings to be turned down one-and-a-half hours after the teachers leave at the end of the day.
- Aramark developed an energy program newsletter to promote program awareness, expected activities, and provide tips for participation of faculty, staff and parents.
- To boost the energy program, Aramark met with the faculty and staff, led an assembly at one of the middle schools, and provided energy saving tips to be included in the school's morning announcements.
- Ideas for saving energy were generated by students. Student in every school created posters that were then used to create the district calendar for the 2010-11 school year. The AP science class created logos for the energy program and high school students voted on the winning design. The selected logo was used as part of the energy program moving forward with the tagline "Prepare to be Unplugged."

Challenge

Reduce energy consumption and budget impact with minimal capital investment



Solutions and Results

The program has achieved an energy consumption reduction of 28.6 percent, saving the district more than \$2,305,908 in energy costs.

The success PennrIDGE School District has seen is a direct result of the commitment and dedication of the district community becoming energy efficient.

In the spring of 2009, PennrIDGE became a partner with Energy Star and took a step toward setting itself apart as a leader in energy efficiency.

In November 2010, PennrIDGE School District earned **Leaders Recognition** from the EPA for improving energy efficiency across its portfolio of buildings by 10 percent. Since then, the district has gone on to save an additional 10 percent and earned Leaders Recognition in May 2011 for achieving a greater than 20 percent improvement over the base year period.

In 2012, the district received a 30 percent improvement recognition. As of March 2013, energy savings resulted in:

- A 28.6 percent consumption reduction
- \$2,305,908 in cost-avoided savings

