

East Baton Rouge Parish School System



QUICK STATS

LOCATION	Baton Rouge, Louisiana
ENROLLMENT	40,000 47 elementary schools 17 middle schools 15 high schools
PARTNER SINCE	1999
SERVICES	Facilities Energy Management Custodial Grounds

EAST BATON ROUGE PARISH SCHOOL SYSTEM PARTNERS WITH ARAMARK TO IMPLEMENT A COMPREHENSIVE ENERGY MANAGEMENT PROGRAM

The mission of the East Baton Rouge Parish School System, in partnership with their community, is to educate all students to their maximum potential in a caring, rigorous, and safe environment. In support of the mission, East Baton Rouge Parish School System, which serves the Greater Baton Rouge area and is the second largest district in the state, partnered with Aramark Engineering Solutions to develop and implement an energy management program around high-return energy projects while improving the aging infrastructure. The initial phase of the program included the creation of a detailed energy capital spending plan that targeted high-return energy conservation projects and the development of a district-wide energy policy.

- East Baton Rouge Parish Schools achieved more than \$40 million in energy cost avoidance since the inception of the program in 2007.
- Aramark guaranteed energy savings of 16 percent, but far exceeded the guaranteed savings and saved the client more than 33% in energy consumption.
- In addition to the financial and environmental savings that the district has achieved, valuable infrastructure improvements including lighting upgrades, HVAC controls upgrades, and retrofits to HVAC mechanical systems have enhanced the learning environment, improved reliability, and increased operating efficiencies.

Optimization of existing systems

- Aramark conducted ongoing evaluations of the district’s after-hours activities to promote efficient use of the facilities while reducing energy waste. After-hours activities were consolidated into areas of the schools that were served by more efficient building systems, such as HVAC and lighting equipment. This allowed other less efficient areas of the schools to be shut down or set back.
- Used existing building management systems to optimize the operation of HVAC controls and lighting equipment, especially during unoccupied time periods. This included recommissioning of automated controls, maximizing equipment shutdown and/or setback control, and modifications to control logic to improve energy-efficient operation.

Results

- **NATIONAL WINNER**
EPA’s Battle of the Buildings Program
- **33%**
Energy Consumption Reduction



East Baton Rouge Parish School System



Results

- **Over \$40 million** cumulative utility cost avoidance
- **\$350,000 in cash refunds and credits** generated from utility bill auditing
- **3-Time** U.S. Department of Education Green Ribbon Schools Award Winner
- **27** Energy Star Certifications
- **High-priority, high-return** energy conservation projects implemented targeting:
 - HVAC equipment retrofits
 - HVAC control upgrades
 - Lighting upgrades

Engaged and educated students and staff to foster energy-efficient and sustainable behaviors

- Organized an energy committee to develop a standard energy policy and promote energy conservation awareness throughout the district.
- Implemented energy conservation awareness activities for faculty and students, such as Energy Awareness Month presentations to students and staff, Earth Day displays and contests, and a traveling Energy-Efficient House display to promote energy-efficient practices to the greater community.
- Developed and implemented operating procedures and standards for efficient building operations and incorporated these standards into ongoing training classes for custodians and maintenance personnel.
- Participated in project design meetings with architects and engineers for new school construction and major renovation projects to promote and justify energy-efficient designs.

Promotion of 3rd Party Recognition validates program results and reinforces efficient and sustainable practices

- Active participation in EnergyStar Certification Program.
- Elevated visibility of district's efficiency and sustainability efforts through the U.S. Department of Education's Green Ribbon School designation.
- National winner of EPA's Battle of the Buildings Competition.

"Baton Rouge High Magnet High School is honored to be selected as a 2016 U. S. Department of Education Green Ribbon School. Our entire faculty, staff, student body, administration and parents played a large part in this effort, but our environmental science teacher, Josetta LeBoeuf, made this happen through her dedication and hard work. We want to give a special thanks to Aramark for their help in the project."

- **Nanette McCann**

Principal, Baton Rouge Magnet High School