



Middlesex County Schools Energy Efficiency Project Update

Middlesex County Public Schools are currently undergoing energy efficiency upgrades that will improve the facilities and save money. Upgrades will be made at Middlesex Elementary School, Saint Clare Walker Middle School and Middlesex High School and include new lighting, windows and mechanical equipment to control the Heating, Ventilation and Air Conditioning (HVAC) systems. The upgrades will be funded by the energy and operational savings achieved in all three schools.

Project Highlights:

- Upgraded lighting in all schools
- New windows installed in the high school east wing
- HVAC mechanical equipment replaced in the high school gym, library, auditorium, east wing and ground unit located in the courtyard
- Building control system installed at Saint Clare Walker Elementary School and different sections of the high school
- Air sealed buildings to enable HVAC equipment to properly control ventilation
- Retro-commissioned building control systems in the elementary school
- Fuel conversion system installed for the heating systems in the high school and elementary school

“Through our energy performance contract with Honeywell, we are guaranteed to realize energy savings through improvements to our facilities. This cost effective measure will make our learning environment more comfortable and more energy efficient. One of our strategic objectives is to provide and maintain a positive learning environment and our performance contract is a huge step in that direction.”

Thomas W. Taylor, Ed.D.
Superintendent, Middlesex County Public Schools

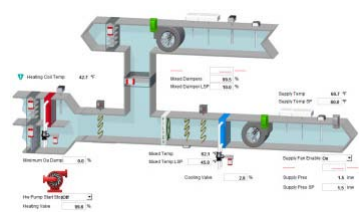


Middlesex Schools will save 633,079 Kilowatt-hours of electricity each year which is equal to **reducing the annual greenhouse gas emissions from nearly 100 passenger cars.**

Source: www.epa.gov



Windows in the east wing of Middlesex High School: **before and after.**



Saint Claire Walker graphical user interface to HVAC units.

Project Schedule:

Middlesex County Schools facility staff and the Honeywell project team spent significant time in 2013 developing a solution that would provide the necessary facility upgrades required while generating energy savings. A majority of the equipment installation was completed during the holiday break in December and now the project team is implementing the controls and monitoring results.

"Our engagement with the Energy Savings Performance Contract with Honeywell has been a pleasure to watch unfold. Many of the energy conservation measures at the High School and Middle School took place over the holidays and they are proving to be huge benefactors in saving energy and reducing maintenance issues. I look forward to the completion of this project and being able to rest peacefully knowing these improvements are making our schools safer and more comfortable for students and staff while reducing energy use and aiding in the protection of our environment."

Greg Harrow, Director of Operations, Middlesex County Public Schools



Project Team:

- Account Executive: [Wayne Womble](#)
- Account Manager: [Joyce Coleburn](#)
- Customer Care Advocate: Mallory Cain
- Energy Engineer: Renee Hooker / Ruben Avagyan
- Project Manager: Peter Monstello
- Lead Controls Technician: Garrett Cotton
- Controls Technician: Thomas Royer
- Service Controls Technician: Jim Arvin
- District Leader: Wayne Verlander