



Case Study

School District of Hillsborough County
Tampa, FL



PROJECT DESCRIPTION: Energy Savings Performance Contract

Challenge: The School District of Hillsborough County wanted to improve the lighting in each of its classrooms to boost student learning and teacher productivity. In addition, the district wanted to replace old and inefficient facility equipment with new equipment, and improve the overall building infrastructure in a number of schools.

PROJECT SCOPE

Solution: ConEdison Solutions, through its subsidiary, BGA, Inc., was selected to develop and implement a performance contract program to improve 11 of the district's schools. Once the program was developed and approved, the team had just two months over the summer to complete \$2 million in construction and renovation projects. The new technology improved operating performance and lowered energy consumption. Color rendering index, component life, and quality of light were all dramatically improved through the utilization of this new lighting technology.

ENERGY CONSERVATION MEASURES

Lighting retrofit

- Installation of compact fluorescents
- Installation of low power electronic ballasts
- Installation of T8 fluorescent lamps

Infrared occupancy sensors

Installation of passive sensors on the retrofit lighting system at the Shaw Elementary School

Water efficiency

Installation of low-flow components: toilets, urinals, new faucet aerators; to reduce water consumption and sewer costs

Chiller upgrade

Replacement of an aged air-cooled chiller and corresponding chilled water pump and electrical components with new equipment

PROJECT HIGHLIGHTS

Environmental Benefits

Under measurement

Capital Costs

\$2,005,000

Annual Savings

\$208,400

Schedule Compliance

Equipment was ordered, delivered, and installed in a two month time period before the end of the summer session

Budget Compliance

Completed within budget