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