


## Hillsborough County School District Energy Savings Performance Contract (ESPC)



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.

RWE Clean Energy 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 during 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.

 <b>PROJECT DATA</b>	
<b>LOCATION</b>	Tampa, FL
<b>CONSTRUCTION DATES</b>	Completed on time
<b>CAPITAL COSTS</b>	\$2,005,000
<b>ANNUAL SAVINGS</b>	\$208,400

### ENERGY CONSERVATION MEASURES

#### Lighting Retrofit

- Installation of compact fluorescents
- Installation of low power electronic ballasts
- Installation of new 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