



# Case Study

## United States Postal Service Central Florida District



### PROJECT HIGHLIGHTS

#### Environmental Benefits

Annual reduction of nearly 27 million pounds of CO<sub>2</sub>, 200,000 pounds of SO<sub>2</sub> and 100,000 of NO<sub>x</sub>

#### Capital Costs

\$7,300,000

#### Energy Savings

Annual reduction of 17,400,000 kWh of electricity

#### Annual Savings

\$1,100,000

#### Schedule Compliance

Completed on time:

Phase I, December 2002

Phase II, June 2003

Phase III, January 2004

Phase IV, September 2006

### PROJECT DESCRIPTION: Shared Energy Savings Contract

**Challenge:** In November 2000, ConEdison Solutions, through its subsidiary, BGA, Inc., along with six other companies, responded to a nationally advertised solicitation to develop and implement a Shared Energy Savings program—similar in nature to a performance contract—for the United States Postal Service's Central Florida District. The company's in-house engineering and project management capability, Florida location, and experience in serving the USPS Florida District helped secure the award.

### PROJECT SCOPE

**Solution:** The USPS work was developed and implemented in phases and focused on reducing energy consumption and operational costs while avoiding any impact on productivity and daily operations.

To date, the Central Florida Shared Energy Savings program has yielded an annual reduction of 17,400,000 kWh of electricity. The environmental benefits are an annual reduction of nearly 27 million pounds of CO<sub>2</sub>, 200,000 pounds of SO<sub>2</sub> and 100,000 of NO<sub>x</sub>

### ENERGY CONSERVATION MEASURES

#### Phase I

7 facilities, 112,000 sq. ft.

- HVAC replacements including Geothermal technology
- Installation of lighting controls and lighting retrofits
- \$70,000 in annual savings

#### Phase II

13 facilities, 920,000 sq. ft.

- HVAC replacements
- Implementation of lighting retrofits
- \$300,000 in annual savings

#### Phase III

31 sites, 833,519 sq. ft.

- HVAC replacements and controls upgrade
- Implementation of lighting retrofits
- Implementation of lighting control panels
- \$300,000 in annual savings

#### Phase IV

Over 140 facilities

- Implementation of high efficiency interior lighting systems
- Comprehensive lighting retrofits
- Installation of active/passive lighting control systems
- HVAC replacements and HVAC time-of-day controls systems
- \$431,000 in annual savings