



Case Study

United States Postal Service Central Florida District



PROJECT HIGHLIGHTS

Environmental Benefits

Annual reduction of nearly 27 million pounds of CO₂, 200,000 pounds of SO₂ and 100,000 of NO_x

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 CO₂, 200,000 pounds of SO₂ and 100,000 of NO_x

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