



FEDERAL FACILITIES

We maintain regional and national energy performance contracts with the DOE, DOD, GSA and USPS for hundreds of facilities around the country.



TYPICAL SYSTEM IMPROVEMENTS

- Chiller Plant Replacement
- Lighting System Upgrades
- Water Efficiency and Conservation Upgrades
- Solar Water Heating Installation
- Electrical Enhancements
- Direct Digital Control Installation
- Energy Management System Installation
- Building Ventilation Improvements
- Mechanical System Enhancements
- Un-interruptible Power Supply Upgrade

CHALLENGES:

All federal facility directors have common operational and maintenance challenges. Whether it is a large military base encompassing dozens of facilities with millions of controlled square feet or a single-building 25,000 square foot office, maximizing the energy efficiency opportunities and the environmental impact benefits of an energy efficiency upgrade while minimizing financial outlay is critical. However, a lack of capital and/or adequate government funding creates budgetary obstacles. With many federal buildings aging, deteriorating infrastructure, inefficient equipment, under-performing building systems, and mandatory compliance with federal environmental, efficiency and public safety mandates must be addressed in a timely fashion. In addition, minimizing inconvenience to staff and visitors while providing well-engineered and well-constructed projects is mandatory.

SOLUTIONS:

Through our very successful, low-risk energy performance contracting (EPC) process, ConEdison Solutions has been able to improve the performance of inefficient equipment, provide significant and verifiable energy savings, decrease energy operating costs, improve the working environment, enhance facility visitors' experience, maintain a facility's safety compliance, and reduce equipment downtime with little or no up-front capital expense for our government clients. While adhering to each facility's security and safety requirements, our guaranteed energy performance contracting services dramatically improve a facility's overall energy performance. All of our energy solutions are engineered to be aesthetically compatible, and they significantly reduce the environmental impact and the operating and maintenance costs of each facility while increasing the level of energy efficiency to ENERGY STAR designation.

SAMPLE PROJECT HIGHLIGHTS

ENVIRONMENTAL BENEFITS

1,579 tons of harmful greenhouse gas emissions reduced annually which is

Equivalent to:

- Preserving 12 acres of forest from deforestation* or
- Conserving 3,332 barrels of oil*

Capital Costs

\$1,832,787

Ongoing Annual Savings

\$180,429

Client Up-Front Investment: \$0.00

*Sources:
• Leonardo Academy's Cleaner & Greener™ Emissions Reduction Calculator
http://www.cleaneandgreener.org/resources/emission_reductions.htm
• U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>