



# STATE AND LOCAL MUNICIPALITIES



## CHALLENGES:

All state and local governments have common challenges when dealing with operating and maintaining their facilities and buildings. Whether the challenge involves a large state energy project encompassing dozens of facilities or a smaller one or two building municipal energy efficiency project, maximizing the efficiency opportunity while minimizing the financial outlay is critical. The lack of adequate capital funding creates ongoing budgetary obstacles. Deteriorating infrastructure, inefficient equipment, under-performing building systems, mandatory state/federal environmental compliance and public safety issues must be addressed. At the same time, a commitment must be made to minimizing inconvenience to the staff and visitors.

## 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, improve the employees' working environment, enhance the visitors' experience, maintain safety compliance, and reduce downtime and equipment maintenance issues with little or no up-front capital expense for our clients. With sensitivity to the environments that we are working in, including primary and secondary schools, courthouses, police/fire stations, libraries, capitols and city/town halls, our guaranteed energy performance contracting services dramatically improve a facility's overall energy performance while maintaining the structures original aesthetics. The operating cost of each facility is significantly reduced while increasing the level of energy efficiency to ENERGY STAR designation.

## SAMPLE PROJECT HIGHLIGHTS

### ENVIRONMENTAL BENEFITS

1,996 tons of harmful greenhouse gas emissions reduced annually which is

### Equivalent to:

- Preserving 12.6 acres of forest from deforestation\* or
- Conserving 4,210 barrels of oil\*

### Capital Costs

\$1,835,893

### Ongoing Annual Savings

\$198,059

### Client Up-Front Investment: \$0.00

\*Sources:  
• Leonardo Academy's Cleaner & Greener™ Emissions Reduction Calculator  
[http://www.cleaneandgreener.org/resources/emission\\_reductions.htm](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>

## TYPICAL SYSTEM IMPROVEMENTS

Lighting and Lighting Control Enhancements

Water Efficiency Upgrades

Metering and Billing Systems Implemented

Solar Water Heating Installations

Electrical Enhancements

Central Steam Plant Upgrades

Energy Management System Installations

Building Ventilation Improvements

Mechanical System Enhancements

Variable Air Volume Air Handling Unit Conversions