



Case Study

Arlington County
Arlington, VA



PROJECT HIGHLIGHTS

Environmental Benefits

2,234 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:

- Preserving 14.1 acres of forest from deforestation* or
- Conserving 4,713 barrels of oil*

Capital Costs

\$5,390,201

Annual Savings

Energy: \$428,000
Non-energy: \$29,872
Utility Cost Reduction: 31%

*Sources:

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

PROJECT DESCRIPTION: Energy Performance Contract

Challenge: The Arlington Initiative to Reduce Emissions (AIRE) has set a goal of reducing the county's emissions by 10% from 2000 to 2012. AIRE is looking for ways to reduce the county's impact on the environment while it encourages county citizens and businesses to do the same.

PROJECT SCOPE

Solution: The Justice Center, comprising the County Courthouse and Detention Center, provided the county of Arlington with an ideal opportunity to incorporate energy performance contracting into its environmental initiatives. The two buildings measure 639,354 square feet. ConEdison Solutions, through its subsidiary, Custom Energy Services, worked collaboratively with county staff to develop a project that addressed the extremely high water use of the Detention Center, and also helped make needed system improvements. When fully implemented, these changes will create substantial emissions reductions and valuable cost and capital investment savings.

Contact:

John Morrill, Energy Manager
1400 N. Uhle Street, Suite 204
Arlington, VA 22201
703.226.4426

Construction start date:

December 2008 (estimated)

Construction end date:

June 2009 (estimated)

ENERGY CONSERVATION MEASURES

High efficiency lighting

Water conservation

Chemical-free cooling tower water treatment

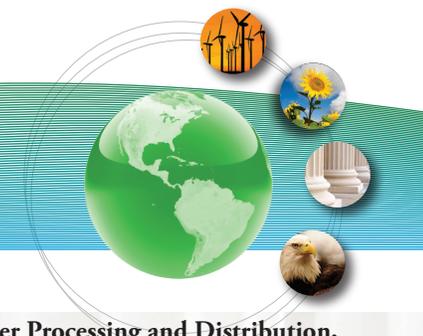
Heat recovery from building exhaust

Energy management system upgrade

Air handling unit retro-commissioning and optimization

“All local governments are seeking ways of reducing energy costs and performance contracting is one option. ConEdison Solutions has provided strong support to VML's Go Green Virginia initiative—as we provide Virginia's localities with the information and tools they need to protect the environment and improve the energy efficiency of their buildings.”

Jay Fisette
Immediate Past President,
Virginia Municipal League



Clients: Government & Non Profit Groups

FEDERAL

Federal Aviation Administration
New England Region,
Burlington, MA

General Services Administration,
New York, NY

General Services Administration
Department of Justice,
Dallas, TX

General Services Administration
Federal Court House Building,
Fort Lauderdale, FL

General Services Administration
Internal Revenue Service,
Farmers Branch, TX; Kansas City, MO

General Services Administration
Northeast Region,
Boston, MA

General Services Administration
R.L. Timberlake, Jr. Federal Building,
Tampa, FL

National Archives and Records
Administration,
Boston, MA

Veterans Administration
VISN #3, New York City Medical Center
New York, NY

STATE AND MUNICIPAL

Alexandria Sanitation Authority, VA

Arlington County, VA

Bergen County Utility Authority,
Little Ferry, NJ

City of Baltimore, MD

City of Baltimore, Fire Department, MD

City of Boca Raton, FL

City of Charlottesville, VA

City of Ft. Myers, FL

City of Hialeah, FL

City of Parsons, KS

City of Pittsburg, KS

City of Tallahassee, FL

City of Temple Terrace, FL

City of Winter Haven, FL

City of Ybor, FL

Essex and Union Counties, NJ

Florida Department of Environmental
Protection,
Tallahassee, FL

Florida Department of Management
Services,
Miami, FL

Hernando County Government,
Brooksville, FL

Kansas Insurance Department,
Topeka, KS

Miami-Dade County,
Miami, FL

Middlesex Water Company,
Middlesex, NJ

Missouri State Fairgrounds,
Sedalia, MO

New York Power Authority
(various locations),
New York, NY

Pittsburgh Housing Authority,
Pittsburgh, PA

Plant City Public Works,
Plant City, PA

Polk County Government,
Bartow, FL

Southbridge Water Department,
Southbridge, MA

St. Lucie County,
Fort Pierce, FL

State FL-Division of Fruits & Vegetables,
Winter Haven, FL

Suwannee County,
Live Oak, FL

Trenton Water Works,
Trenton, NJ

CORRECTIONAL FACILITIES

El Dorado Correctional Facility, KS

Hutchinson Correctional Facility, KS

Lansing Correctional Facility, KS

Norton Correctional Facility, KS

Winfield Correctional Facility, KS

U.S. POSTAL SERVICE

Atlanta Bulk Mail Center, GA

Atlanta Georgia Facilities, Group 1 and 2,
Crown Road Facility,
Hapeville, GA

Kilmer Processing and Distribution,
Edison, NJ

Morgan Processing and Distribution
Center,
New York, NY

USPS-Central Florida District, FL

USPS-Suncoast District, FL

Whippany Processing and Distribution
Center,
Kearney, NJ

SES Contracts awarded for: CA, AZ, NV, HI, Guam, CO, WY, UT, ID, OR, WA and AK

U.S. MILITARY

Florida Department of Military Affairs

Hanscom Air Force Base,
Bedford, MA

MacDill Air Force Base,
Tampa, FL

National Naval Medical Center,
Bethesda, MD

Naval Air Station,
Jacksonville, FL

Tyndall Air Force Base,
Panama City, FL

U.S. Army Garrison at Fort Hamilton,
Brooklyn, NY

U.S. Army Reserves,
New York, NY

U.S. Coast Guard,
Boston, MA

U.S. Navy, District of Washington

Anacostia Annex,
Washington, D.C.

U.S. Navy, Washington Navy Yard,
Washington, D.C.

MUSEUMS

John F. Kennedy Presidential Library and Museum,
Boston, MA

U.S. Naval Museum,
Washington, D.C.

Museum of Science and Industry,
Tampa, FL

USS Intrepid Sea, Air and Space Museum,
New York, NY