

Case Study

General Services Administration Department of JusticeDallas, TX



PROJECT HIGHLIGHTS

Environmental Benefits

4,119 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:

- Preserving 26.1 acres of forest from deforestation* or
- Conserving 8,689 barrels of oil*

Capital Costs

\$2,665,898

calculator.html

Annual Savings

Energy:

\$282,220

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

PROJECT DESCRIPTION Energy Savings Performance Contract

Challenge: This Department of Justice facility was in need of mechanical and electrical upgrades. The staff was reporting on-going problems with the controls systems when working with controllers and the energy management system. A water heater had reached the end of its useful life and needed to be replaced. The biggest challenge ConEdison *Solutions* faced, through its subsidiary Custom Energy Services, was keeping a computer room used to monitor critical nation-wide operations on a 24/7 basis, consistently cool. Also, this is a historic building and all work needed to take that factor into consideration.

PROJECT SCOPE

Solutions: Due to the critical nature of this computer system, the team had to maintain the temperature in the computer room throughout construction using redundant systems. This redundancy is now a safeguard for emergencies.

Awards

The GSA staff that worked with us in developing this project received the 2003 Federal Energy & Water Management Award for their efforts. The award honors individuals and organizations who have made a significant contribution to the efficient use of energy and water resources in the Federal Government.

Contact:

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Construction Start Date:

May 2001

Construction End Date:

June 2002

ENERGY CONSERVATION MEASURES

Lighting and Lighting Controls

- · High efficiency lighting
- Occupancy sensors

Building Controls

Energy management system

Heating and Cooling

- · DX to chilled water
- Variable frequency drives
- Chiller plant consolidation

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Clients: Government & Non Profit Groups



FEDERAL

Federal Aviation Administration New England Region, Burlington, MA

General Services Administration (GSA), New York, NY

GSA Department of Justice, Dallas, TX **GSA Federal Court House Building,** Fort Lauderdale, FL

GSA Internal Revenue Service, Farmers Branch, TX

GSA Northeast Region, Boston, MA

GSA R.L. Timberlake, Jr. Federal Building, Tampa, FL

National Archives & Records Administration Boston, MA

Veterans Administration (VA)

VA, Bronx, NY VA, Queens, NY

VA, Westchester, NY

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

Buchanan County, MO

City of Boca Raton, FL City of Charlottesville, VA

City of Ft. Myers, FL

City of Hialeah, FL

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

FL Dept. of Environmental Protection, Tallahassee, FL

FL Department of Management Services, Miami, FL

Hernando County Government, Brooksville, FL

Kansas Insurance Department,

Topeka, KS

Loudoun County, VA

Miami-Dade County, FL

Middlesex Water Company, NJ

Missouri State Fairgrounds, Sedalia, MO

New York Power Authority, NY

Plant City Public Works, PA

Polk County Government,

Bartow, FL

Southbridge Water Department,

Southbridge, MA

St. Lucie County,

Fort Pierce, FL

FL Division of Fruits & Vegetables,

Winter Haven, FL

Suwannee County,

Live Oak, FL

Trenton Water Works, NI

CORRECTIONAL FACILITIES

Arlington County Justice Center, VA El Dorado Correctional Facility, KS Lansing Correctional Facility, KS Norton Correctional Facility, KS Winfield Correctional Facility, KS

U.S. POSTAL SERVICE

Atlanta Bulk Mail Center, GA Barrigada Main Post Office (MPO), Guam

Billings Processing & Distribution Center

(**P&DC**), MT

Central Florida District, FL

Chattanooga P&DC, TN

Cheyenne P&DC, WY

Denver, P&DC, CO

Dominic V. Daniels P&DC, Kearny, NJ

Eugene P&DC, OR

Grand Central Station MPO, New York, NY

Honolulu P&DC, HI

JFK Air Mail Facility, New York, NY

Kilmer P&DC, Edison, NJ

Los Angeles, P&DC, CA

Manasota P&DC, Sarasota, FL

Miami, P&DC, FL

Morgan P&DC, New York, NY

Phoenix General Mail Facility, AZ

Reno P&DC, NV

San Francisco, P&DC, CA

San Juan P&DC, Puerto Rico

Spokane P&DC, WA

Springfield P&DC and National Distribution Center, MA

Suncoast District, FL

Teterboro P&DC, Teterboro, NJ

Trenton P&DC, NJ

Westchester P&DC, White Plains, NY

Whippany P&DC, Kearney, NJ

SES Contracts awarded for: AK, AZ, CA,

Caribbean Region, CO, Guam, HI, ID, NJ,

NV, NY, OR, UT, WA, and WY

U.S. MILITARY

Florida Department of Military Affairs, St. Augustine, FL

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

Museum of Science and Industry,

Tampa, FL

U.S. Naval Museum,

Washington, D.C.

USS Intrepid Sea, Air and Space Museum,

New York, NY