



CASE STUDY

U.S. Office of Personnel Management

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About the Project

In 2014, the U.S. Office of Personnel Management (OPM) awarded CEG Solutions (formerly Clark Energy Group) (CEG) an \$11 million contract under the U.S. Department of Energy's Energy Savings Performance Contract. The project encompasses a comprehensive set of sustainability upgrades at OPM's Theodore Roosevelt Building (TRB), a 10-story office building in Washington D.C., and OPM's Federal Executive Institute (FEI), a multi-facility executive training campus in Charlottesville, VA. CEG's project, together with an ongoing building upgrade project, will reduce annual energy consumption by 29% and annual water consumption by 48% at these two facilities. Construction was initiated in September 2014 and is expected to be completed by early 2016.

Given OPM's commitment to sustainability, both facilities had previously undergone energy and water retrofits that implemented "low-hanging fruit" ECMs such as lighting upgrades and domestic water fixture upgrades. Despite this, we successfully identified numerous ECMs for both TRB and FEI that will further reduce OPM's energy and water consumption and utility expenditures. These ECMs include measures designed to enhance the existing building systems such as domestic and irrigation water upgrades, chiller replacements, cooling tower controls upgrades, daylighting controls, and AHU controls upgrades.

CLIENT

U.S. Office of Personnel Management

LOCATION

Washington, D.C.

ECMS

- Lighting retrofits and advanced lighting controls
- Daylight harvesting
- Domestic water fixture replacements
- Cooling tower controls upgrade
- Kitchen appliance replacement
- Chiller replacements
- Irrigation controls and upgrades
- Demand-control ventilation
- Utility rate adjustments

PROJECT HIGHLIGHTS

- Annual Savings over \$825,000
- Electricity Savings of 2.6 Million kwh/yr
- Fuel Oil Savings of 83.5 kGal/yr
- Water Savings of 18 Million Gal./year

ESTIMATED SAVINGS:
\$15,100,000