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# Ameresco Begins Implementation of Energy Savings Performance Contract as Part of GSA's National Deep Energy Retrofit Program Challenge

*Comprehensive \$45 million ESPC to address energy efficiency and renewable energy solutions in over one million square feet of GSA-owned office space*

FRAMINGHAM, Mass.--(BUSINESS WIRE)-- Ameresco, Inc., (NYSE:AMRC), a leading [energy efficiency](#) and [renewable energy](#) company, announced today that project construction of the U.S. General Services Administration (GSA)'s \$45 million Energy Savings Performance Contract (ESPC) is underway. The ESPC will serve two federal buildings within the GSA's National Capital Region outside of Washington, D.C.

In 2012, the GSA competitively challenged Energy Service Companies (ESCOs) to innovatively improve the energy performance of 30 GSA-owned buildings through ESPCs aimed for maximum energy savings. The GSA selected [Ameresco](#) to develop a comprehensive ESPC addressing over one million square feet of office space at the New Carrollton Federal Building in Lanham, Maryland and the Silver Spring Metro Center 1 building in Silver Spring, Maryland.

"The innovative techniques and comprehensive efficiency and renewable energy technologies included in this deep retrofit project make it a proving ground for innovation," said Nicole Bulgarino, Vice President, Federal Solutions, Ameresco. "The Challenge initiative sets a great example by the Federal Government for others to follow suit in realizing greater efficiencies, reducing emissions, and doing significantly more with less through an ESPC."

Ameresco is installing comprehensive energy conservation measures to reduce total energy consumption of the two federal buildings by 60 percent, which exceeds GSA's established energy and water conservation goals for the Challenge. Approximately one megawatt equivalent of on-site renewable energy using solar and geothermal technologies at the New Carrollton Federal Building will be installed, and as a result the ESPC greenhouse gas emissions are expected to be reduced by 20,000 metric tons annually. The ESPC measures are designed to reduce overall water consumption in the two buildings by over 17 million gallons a year.

Savings in the first year are expected to be over \$2.8 million.

Both buildings will be modernized with the installation of 11,000 individually addressable LED lighting fixtures controlled by a network of sensors. Over 2,000 sensors will be installed in the two buildings. Capable of sensing occupancy and ambient light, the system will automatically adjust light output to match current conditions. The new lighting control systems will integrate into existing and new DDC control systems allowing the HVAC

systems to heat and cool only occupied spaces.

The new central chilled water plant will consist of two new high efficiency chillers and one new chiller-heater. Similar to a heat pump, the chiller-heater will be used to generate hot water for space heating as well as domestic hot water. The new design incorporates a geothermal well field for heat rejection, increasing the chillers' efficiency, while decreasing water consumption.

At the New Carrollton Federal Building, Ameresco will construct an 808kW solar canopy to cover all unshaded areas of its north parking lot. The solar array is a custom designed structural system in an amphitheater themed layout. It will provide shade to parked vehicles and will be surrounded by new rain gardens to support existing storm water catch basins. Ameresco will install a 67kW carport structure in the south parking lot facing the New Carrollton Metro Stop. A new solar thermal heating system will also be installed on the building's roof.

This deep retrofit project supports the GSA in meeting its commitment towards the President's Better Building Challenge which directed federal agencies in 2011 to leverage \$2 billion worth of performance-based contracts for energy savings at no upfront cost to taxpayers.

Project construction commenced this month and both buildings will continue to be fully occupied during the construction period.

### **About Ameresco, Inc.**

Founded in 2000, [Ameresco, Inc.](http://www.ameresco.com) (NYSE:AMRC) is a leading independent provider of comprehensive services, energy efficiency, infrastructure upgrades, asset sustainability and renewable energy solutions for facilities throughout North America. Ameresco's services include upgrades to a facility's energy infrastructure and the development, construction and operation of renewable energy plants. Ameresco has successfully completed energy saving, environmentally responsible projects with federal, state and local governments, healthcare and educational institutions, housing authorities, and commercial and industrial customers. With its corporate headquarters in Framingham, MA, Ameresco provides local expertise through its 70 offices in 33 states and the District of Columbia, five Canadian provinces and the United Kingdom. Ameresco has more than 900 employees. For more information, visit [www.ameresco.com](http://www.ameresco.com).

*This contract is included in Ameresco's fully contracted backlog as of December 31, 2013 and reported on March 13, 2014. The announcement of a customer's entry into a project contract is not necessarily indicative of the timing or amount of revenue from such contract, of the company's overall revenue for any particular period or of trends in the company's overall total construction backlog.*

Ameresco, Inc.  
CarolAnn Hibbard, 508-661-2264  
[news@ameresco.com](mailto:news@ameresco.com)

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