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Huntsville Center awards \$34 M Energy Savings Performance Contract

HUNTSVILLE, ALA. — The U.S. Army Engineering and Support Center, Huntsville, awarded a \$34 million task order contract to Johnson Controls Government Systems, Milwaukee, Wis., Dec. 22, to install wind power generation, solar photovoltaic systems, and other energy conservation measures at Fort Buchanan and 11 reserve centers in Puerto Rico.

Overall projected project savings is 37,867 MBtu and \$2,606,258 per year. Renewable energy savings are projected to be 5,973 MBtu solar PV, domestic solar hot water 106 MBtu per year, wind power, 3,244 MBtu per year, and water savings of 37,144,000 gallons per year.

Work includes air cooled chiller replacement; energy management controls system installation; heating, ventilation and air conditioning system upgrades and window/split air conditioning system retrofits; energy-efficient interior and exterior lighting including street lighting upgraded to LED; occupancy sensors; renewable energy including a 1.2 megawatt solar photovoltaic, solar thermal water heating, and 825 kilowatt wind power generation; water/sewer conservation and irrigation system; and retro-commissioning services.

“This is a great project that has traditional energy conservation measures as well as renewable and water reduction,” said Michael Norton, branch chief of Huntsville Center’s Energy Division.

ESPC is a partnership between the Army and an energy service company. In consultation with the federal government, the energy service company provides capital and expertise to make comprehensive energy and water efficiency improvements on facilities or implements new renewable energy capability and maintains them in exchange for a portion of the generated savings.

This project supports President Barack Obama’s directive that federal agencies use ESPC to make \$2 billion worth of energy efficiency upgrades over the next two years, as well as supporting the Army’s energy reduction goals of 30 percent energy and 15 percent water reduction by 2015.

Fort Buchanan is the only U.S. Army active military installation in Puerto Rico.

The U.S. Army Engineering and Support Center, Huntsville, executes Army programs and specialized missions worldwide that require unique technical expertise, large acquisitions and centralized program management.

Huntsville's involvement in the Army's energy program began in the early 1980s with the program management and technical oversight for the Energy Engineering Analysis Program. The Center continued to gain energy experience through the development and award of the Department of Defense's first shared energy savings contract.

The Huntsville Center continues to provide unique energy solutions for third party contracting, Energy Savings Performance Contracting, Demand Side Management, utility privatization, Energy Conservation Investment Program, Utility Monitoring and Control Systems, heating ventilation and air conditioning, energy assessments and energy planning.

Huntsville's energy team has been recognized for outstanding achievements with multiple federal energy and water management awards, Vice Presidential Hammer awards and USACE project delivery awards.