

Contract Details

Contract Type:

Energy Savings Performance Contract (ESPC); Guaranteed Energy Savings; Energy Efficiency

Facility Size:

8 Veterans Affairs Medical Centers, 60 Buildings, 8 million sq ft

Energy Project Size:

\$27.5 million

Energy Savings:

\$1,520,920 annually

Summary

The VA Mid-Atlantic Health Care Network (VISN 6) is one of 23 Veterans Integrated Service Networks (VISNs) of the Veterans Health Administration, Department of Veterans Affairs. VISN 6 is comprised of eight VA Medical Centers and 15 community-based outpatient clinics (CBOCs) located in North Carolina, Virginia, and West Virginia. VISN 6 selected Ameresco to perform energy efficiency upgrades to improve their infrastructure under the Department of Defense Energy Saving Performance Contract Program for Veterans Administration Medical Centers. Maintaining quality standards, improving access to care, and enhancing patient satisfaction are the core goals for VISN 6.



Customer Benefits

As defense budgets are slashed and infrastructure ages, VA Mid-Atlantic Health Care Network (VISN 6) turned to energy savings performance contracting to cut its energy consumption by \$1.5 million, but it reinvested those dollars into equipment that was reaching the end of its useful life. This enabled to hospitals to focus on its mission and passion is to provide safe, efficient, effective, and compassionate care to the men and women they so proudly serve.

Executive Order 13123 enabled many agencies with the Department of Defense and the Department of Energy to utilize energy savings performance contracts to improve their facilities, save dollars and improve their carbon footprint. Additionally, Ameresco was responsible for the majority of the maintenance on the energy conservation measures installed to ensure persistence of savings.

Environmental Benefits

Through their partnership with Ameresco, VISN Region 6 has the following annual carbon reduction equivalents:

- ▶ Powering more than 1,621 average size homes
- ▶ Taking 2,554 cars off the road
- ▶ Planting 2,848 acres of trees

Services Provided

VISN Region 6 selected to partner with Ameresco on a region wide energy efficiency initiative to improve their facilities and maintain those savings. Through an investment grade audit, Ameresco was able to identify energy efficiency measures ranging from lighting retrofits to major mechanical equipment replacements.

VISN then issued a task order to implement these measures at its campuses within their three state region. Under this energy savings performance contract, Ameresco designed, built, measured, verified and supplied training for upgrades that spanned all major energy cost reduction opportunities. Ameresco was also contracted to provide maintenance on many of these measures.

The major mechanical upgrades included boiler plant upgrades (boiler economizer installations, boiler controls) and chiller plant upgrades (chiller replacements, controls, pumping upgrades). As a part of the heating system upgrades Ameresco replaced and upgraded non-mechanical steam traps. Additionally, Ameresco replaced aging heat pumps and heat recovery controls.

About VISN 6

The VA Mid-Atlantic Health Care Network (VISN 6) is one of 23 Veterans Integrated Service Networks (VISNs) of the Veterans Health Administration, Department of Veterans Affairs. VISN 6 is comprised of eight VA Medical Centers and 15 community-based outpatient clinics (CBOCs). Over 13,500 clinical and support staff members and more than 4,000 volunteers in our network proudly serve over 318,000 veterans annually across our three-state service area. In Fiscal Year 2008, VISN 6 was rated the best Network in VA on clinical quality performance measures—a tribute to our staff and a confirmation for our patients that they are receiving the very best in quality health care.

Learn more at
www.visn6.va.gov

About Ameresco

Ameresco, Inc. is one of the leading global energy services providers. We deliver long-term customer value, environmental stewardship, and sustainability through energy efficiency services, alternative energy solutions, supply management, and innovative facility renewal strategies. The company has over 650 employees in regional offices throughout North America. Ameresco, Inc. has constructed billions in energy projects throughout the world.

Learn more at
www.ameresco.com



Services Provided (cont.)

Significant savings stemmed from comprehensive lighting upgrades which encompassed the installation of new and or retrofit fixtures using T-8 Lamps and new electronic ballasts. Other electrical measures included the installation of energy efficient motors and variable frequency drives.

As a part of this initiative Ameresco replaced the laundry equipment replacements which included washers and dryers with new efficient equipment. The projects was entirely funded in energy and operational and maintenance (O&M) savings resulting from Ameresco' investment. No taxpayer funds are expended.

All facilities operate 24 hours every day and have stringent requirements to ensure proper facility operations. During the implementation of the proposed energy conservation measures, work at the hospital was scheduled in coordination with facility operations. Typically, work was done during off-hours (second or third shift). Work in secure areas was completed under the supervision of and at the convenience of facility personnel. All work was coordinated with existing and future ongoing capital or O&M projects.

