



US Army Corps  
of Engineers  
Huntsville Center

Program Manager  
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# Energy Program

**RELEVANT  
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*Proudly serving the Armed Forces and the Nation now and in the future.*

Public Affairs Office 256-895-1693  
<http://www.hnd.usace.army.mil>

## Background

Huntsville Center has provided support for Army energy programs for more than 20 years. This support includes, but is not limited to, Energy Savings Performance Contracting (ESPC), Energy Engineering Analysis Program (EEAP), Resource Efficiency Manager (REM) Program, Army Metering Program, and the Commercial Utility Program. The Office of Assistant Chief of Staff for Installation Management, Installation Management Command, and U.S. Army Corps of Engineers recognize Huntsville Center as a valuable resource to help implement the Army Energy Campaign Plan's five goals for 2030. These goals are:

1. Eliminate energy waste in existing facilities
2. Increase energy efficiency in new construction and renovations
3. Reduce dependence on fossil fuels
4. Conserve water resources
5. Improve energy security

## Purpose

The purpose of Huntsville Center's Energy Branch is to support the Army Energy Campaign Plan through specific programs and projects.

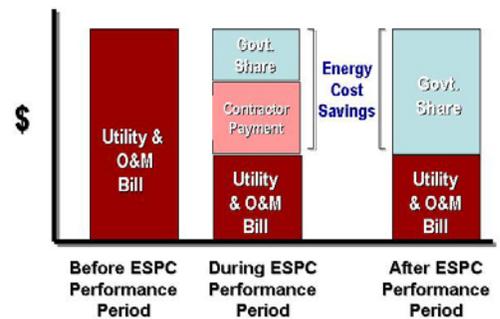
## Scope

- **ESPC** — Under ESPC, contractors provide the financing and perform energy-related infrastructure improvements, and the government repays the contractors from the resultant energy cost savings over a period of 10 to 25 years. In FY 2008, Huntsville Center

awarded ESPC contracts at three installations for a total of \$58.3 million. Over the past 10 years, our energy contractors have invested more than \$450 million in more than 70 energy-related infrastructure projects at 30 Army installations. We project the award of a replacement national ESPC contract FY 2009.

### Energy Savings Performance Contracting

How  
ESPC  
works:



- **REM** — Huntsville Center contracts for and provides oversight of REMs who increase the effectiveness of installations' energy programs by reducing energy and water costs by identifying cost-effective programs and practices. The program is designed to be self-sustaining in that the savings generated more than offset the cost of the REM. Huntsville Center has worked with stakeholders to develop requirements for a nationwide REM contract projected for award in FY 2009.

- **EEAP** — EEAP analyzes energy usage at installations and provides options for reducing energy consumption. Working with our partners, we completed energy surveys at seven Army installations in FY 2008. Since the program began in 2006, we have completed 16 surveys identifying approximately 1,400 potential energy saving projects which could save the government \$70 million per year in

energy costs if implemented. EEAP leverages expertise and capabilities of USACE and Department of Energy (DOE) labs and other organizations.

This effort includes

1. energy consumption assessments for selected facilities/installations,
2. evaluation, identification and recommendations of implementation options for energy conservation projects,
3. overseeing implementation of selected options,
4. assistance in sustaining local energy programs,
5. providing energy-related training and
6. water conservation and waste water treatment.

• **Army Metering Program** — The acquisition planning was completed in FY 2007 which permitted execution to start in FY 2008. The \$23 million FY 2008 work plan included installing advanced meters for electricity and natural gas at 22 major installations within the continental U.S. and the planned award of a centralized Army meter data-management system software and support contract. Work to date includes finalizing specifications for advanced metering equipment and awarding

contracts to install approximately 2,800 advanced meters for electricity and natural gas at 28 major installations within the continental U.S.

• **Utility rate interventions** — In a combined effort with the U.S. Army Regulatory Law Office, the Commercial Utilities Program (CUP) ensures that the costs of utilities services remain fair and reasonable for Army installations. Since 1999, this program has achieved over \$82 million in cost avoidances and savings to the Army and other federal agencies. During FY 2008, numerous utility filings were analyzed and five were found cost effective to petition for intervention status.

• **Utility rate surveys** — Over the past two years, utility and assessment surveys at 13 installations identified \$839,000 in savings and cost avoidances. These savings primarily result from installations moving to correct tariff schedules, taking advantage of demand side management actions and installation of energy management control systems.

