



# Resource Efficiency Managers

Program Manager 256-895-1352

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

## Purpose

The U.S. Army Engineering and Support Center, Huntsville’s Resource Efficiency Manager (REM) program increases installation energy program effectiveness by identifying programs and practices to reduce energy and water costs through a contracted subject matter expert. REMs provide a vital link at installations to develop site energy programs to secure resources for sustainability and renewable energy assets. REMs are the “energy boots on the ground” to understand the necessary steps to build and execute Net Zero program applications.



The Fort Irwin, California, REM developed and coordinated a 1MW Concentrated Solar Array through the Environmental Security Test Certification Program (ESTCP). The Concentrated Solar Array system tracks the sun to optimize exposure, which increases efficiencies that normal roof top or stand-alone photovoltaic provides. This project will save Fort Irwin around 2.4M kWh per year at a value of \$310,000 per year and equivalent 8,392 MBTU savings.

## Benefits

The REM service is value added to installations worldwide because each REM is an energy management subject matter expert. REMs provide expertise to identify infrastructure energy improvements on government facilities to significantly reduce garrison energy and water utilization to meet the Army’s 30 percent energy and 15 percent water reduction goals. They provide support for facility repair and construction activity, project management, construction coordination and other energy related activities.

Huntsville Center has a Blanket Purchase Agreement (BPA) with five small business contractors. The program is designed to be self-sustaining in that the contracted REM must identify savings opportunities that more than offset the cost of the REM service. Each BPA call order is competed among all contractors and awarded using the best value process, thereby creating the most advantageous and technically proficient benefit.

## Customer Success Stories

Installation	Cost Savings
Fort Irwin, California	Realized energy savings of approximately 2.4M kWh per year and \$310,000 per year. On a 1MW Concentrated Solar Array Environmental Security Test Certification Program project.
Fort Shafter (9th Mission Support Command), Hawaii	Identified a BAS system for 4 buildings with estimated \$650,000 of savings over a 10-year period.
Fort Hunter Liggett, California	Submitted and approved on a Self-Generation Incentive Program (SGIP) for a generation project with an incentive savings of \$565,000 per year.

U.S. Army Corps of Engineers – Engineering and Support Center, Huntsville

P.O. Box 1600, Huntsville, AL 35807 Public Affairs Office 256-895-1694

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**REM Qualification Levels**

**REM Level I:** Have a general understanding of load profile data presentation and manipulation; energy audits, and energy project development; experience in providing technical resources and management of energy related services; a working knowledge in various energy estimating software packages, etc.

**REM Level II:** Have expertise in the following areas: specific experience in an energy management program; thorough understanding of load profile data presentation and manipulation; energy audits and energy project development; experience in providing technical resources and management of energy related services; a working knowledge in various energy estimating software packages.

**REM Level III:** A four-year engineering degree (preferably in mechanical or electrical engineering) and be a registered Professional Engineer with a minimum of five years of experience in energy management. Have expertise in the following areas: specific experience in an energy management program; thorough understanding of load profile data presentation and manipulation; energy audits and energy project development; experience in providing technical resources and management of energy related services; a working knowledge in various energy estimating software packages.

**Locations of Resource Efficiency Managers**

<b>Project / Location</b>	<b>U.S. Army Corps of Engineers District*</b>
Dugway Proving Ground, Utah	Sacramento
Fort Benning, Georgia	Savannah
Fort Dix (99th RSC), New Jersey	Philadelphia
Fort McCoy (88th RSC), Wisconsin	Omaha
Fort Hunter Liggett, California	Sacramento
Fort Irwin, California	Los Angeles
Moffett Field, California	Sacramento
Fort Meade, Maryland	Baltimore
HQ Army Reserve NRI, Texas	Fort Worth
Camp Parks, California	Fort Worth
Fort Carson, Colorado	Sacramento
Oregon National Guard	Seattle
West Point, New York	New York
Fort Shafter (9th MSC), Hawaii	Honolulu
Fort Devens, Massachusetts	New England
Fort Buchanan, Puerto Rico	Mobile
Camp Robinson, Arkansas	Little Rock

*\*USACE districts monitor scorecards to enhance the quality assurance of each REM.*

**Installation Hotline** – Army installation energy managers and Directorate of Public Works personnel interested in learning more about the REM program may call 256-895-1352.

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