



Resource Efficiency Managers

Program Manager 256-895-1322

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

The U.S. Army Engineering and Support Center, Huntsville's Resource Efficiency Manager 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.

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.



Before

Replaced the 990,000 BTU input 70 percent efficient water heater (left) with 740,000 BTU input 90 percent efficient tank-less water heaters (right) to perform the same water heating requirement.

Customer Success Stories

Installation	Cost Savings
West Point, New York - IMCOM	Realized energy savings of approximately 3 million kWh per year with annual saving of \$22,305 on retro-commissioning for two motor pool buildings and a potential concentrated solar farm with potential savings of \$388,000 per year
Army Reserve Command	Regionalized and combined a total of nine contracts to four which resulted in an overall savings of \$1.2 million in 2017 for the Army Reserve Command
Camp Parks, California – Army Reserve	Building envelope and lighting improvements savings of \$380,000
Lima, Ohio - AMC	Utility Tariff rate analysis resulted in a savings of \$200,000 per year
Joint Marianas - Navy	Variable speed pumps and chiller project resulting in a one year savings of \$110,000 and a project life savings of \$1.6 million
Camp Pike, Arkansas – Army Reserve	Replaced inefficient 80-gallon cast iron boiler (71 percent efficient) with inline tank-less water heaters (95 percent efficient) for a savings of \$125,000

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

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Contract

Huntsville Center has a Blanket Purchase Agreement with five small business contractors. 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. The REM 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.

REM Qualification Levels

Education and related experience is mandatory for all REM levels and varies for each qualification level. All REMs must be or become within one year after employment a Certified Energy Manager. In addition to the CEM certification, the REM levels are classified as follows:

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. Experience: 3-10 years.

REM Level II: Meet REM Level I requirements and have experience 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. Experience: 5-12 years.

REM Level III: Have expertise in REM Level II requirements. Experience: 9-18 years.

Locations of Resource Efficiency Managers

Dugway Proving Ground, Utah	Fort Jackson, South Carolina
Fort Dix (99th RSC), New Jersey	USACE Civil Works Omaha, Nebraska
Fort McCoy (88th RSC), Wisconsin	Navy Marianas, Guam
Fort Hunter Liggett, California	West Point, New York
Camp Parks, California	Fort Devens, Massachusetts
Moffett Field, California	Fort Buchanan, Puerto Rico
HQ Army Materiel Command (AMC), Alabama	Camp Pike, Arkansas
HQ Army Reserve NRI, Texas	

Installation Hotline – Army installation energy managers and Directorate of Public Works personnel interested in learning more about the REM program may call 256-895-1322.