



Resource Efficiency Manager

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 (REM) program enhances installation energy program effectiveness by identifying projects and practices to reduce energy and water costs through a contracted subject matter expert. REMs provide vital expertise to develop site energy plans which encompass projects that achieve sustainable, renewable, secure, resilient energy management. REMs are the "energy boots on the ground" assisting energy managers increase energy awareness and collecting data for reporting site energy management.

Benefit

The REM service is value added to energy programs because each REM: 1) Is an energy management subject-matter expert, 2) Provides expertise to identify infrastructure energy improvements to significantly reduce energy and water utilization to meet energy and water security, resilience, and reduction goals, and 3) Provides support for energy construction activity, documentation review, energy awareness, and other energy-related activities.



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 savings 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.
Fort Hunter Liggett, California – Army Reserve	An energy rebate for approximately \$800,000.
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

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

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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 contract is structured with pre-defined tasks/deliverables and tailored to meet the site specific energy goals and objectives. The call order requires the REMs to report activities each month which include audits (on-going/completed), energy savings identified, project activities (in-development/in-construction/implemented), energy training provided, document reviews, and site data collection/reporting activities.

Energy Services Support

The HNC REM Program provides energy services programmatic support in addition to contract and administration support. The services provided to the REMs and energy managers include training and support activities to include an Annual REM Workshop (REMs share information), Training webinars/telecons, DOE FEMP partnership (training/support information), reach back support from HNC Engineers, and a REM Meeting after Energy Exchange.

REM Qualification Level

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

Fort McCoy (88th RSC), Wisconsin	Fort Jackson, South Carolina
Fort Dix (99th RSC), New Jersey	Camp Pike, Arkansas
Fort Hunter Liggett, California	Navy Marianas, Guam
Camp Parks, California	HQ Army Reserve NRI, North Carolina
Moffett Field, California	Fort Devens, Massachusetts
HQ Army Materiel Command (AMC), Alabama	Fort Buchanan, Puerto Rico
AMC Geographic Locations (5)	IMCOM Sustainment (up to 6 locations – Pending)
IMCOM Europe (up to 7 locations – Pending)	

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.