



# Resource Efficiency Manager

Program Manager 256-895-1322

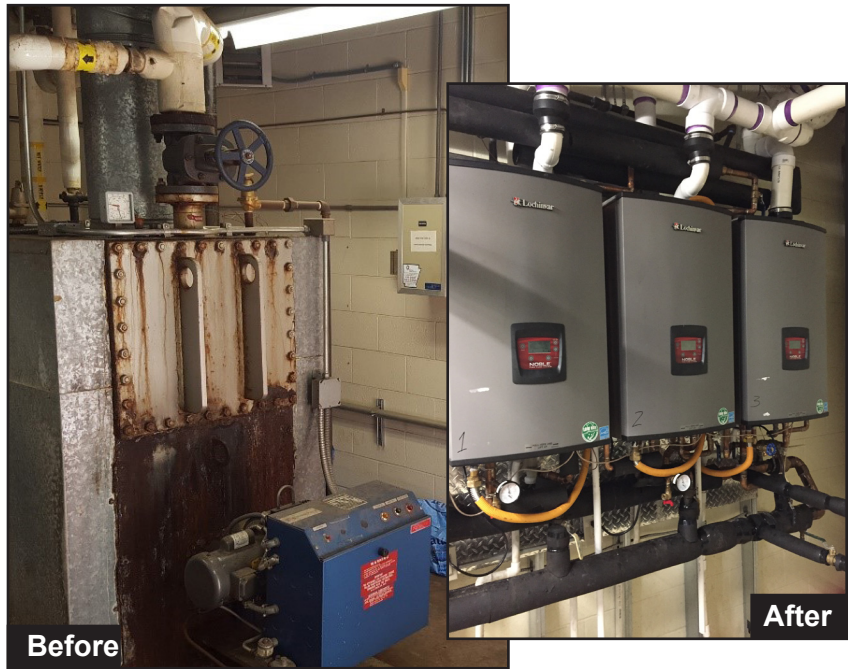
**U.S. ARMY CORPS OF ENGINEERS**

**BUILDING STRONG®**

The U.S. Army Engineering and Support Center, Huntsville's Resource Efficiency Manager (REM) program improves installation energy programs 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 and water plans that achieve energy efficiency, reduction, security, and resiliency through sustainable and renewable resources. REMs help energy managers increase energy awareness, collect data for reporting site energy use and management, and support energy programs in the achievement of energy goals and mandates.

### Benefit

The REM service adds value to energy programs because each REM is an energy management subject matter expert; provides expertise to identify infrastructure energy improvements to significantly reduce energy and water utilization to meet energy and water security, resiliency, and reduction goals; and 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
IMCOM Europe - Ansbach	Reviewed the Energy Savings Performance Contract (ESPC) project and were instrumental in increasing the estimated infrastructure upgrades to \$32M with annual savings of \$1.7M; developed 12 projects at \$11M with annual savings of \$1.6M with a payback of seven years
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 seven contractors. BPA call orders can be issued for government locations world-wide. Each BPA call order is competed among all contractors and awarded using the best value process to evaluate contractors' technical proficiency, management approach, past performance, and price. The contract is structured with pre-defined tasks/deliverables and tailored to meet the site specific energy goals and objectives. The government energy manager further defines and prioritizes the tasks. The REMs are required to report the priority list project status and additional actions worked on each month. The tasks may include audits (ongoing/completed), energy savings identification, project activities (in-development/in-construction/implemented), energy training, document reviews, and site data collection/reporting activities.

## Energy Services Support

The REM Program provides programmatic, contracting, and administrative support for energy services. The services provided to the REMs and energy managers include training and support activities to include an annual REM workshop (REMs share project information and lessons learned), training webinars/telecoms, DOE FEMP partnership (training/support/information), reach back support from HNC engineers, and an REM program update 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

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

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.

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