

# *Factsheet*

## **A Strategy for the 21st Century**

In partnership with:



*A REM program for a large federal site is capable of generating a typical return on investment of 300 to 400 percent.*

### **Today**

The concept of a Resource Efficiency Manager (REM) program has great meaning for a 21st century certain to be beleaguered with increasing energy problems such as price spikes, shortages of supplies, and concerns about disruptions affecting national security. The REM program created by Washington State University's (WSU) Extension Energy Program, with funding under a Federal Energy Management Program (FEMP) grant, is working to bring additional resources to the energy programs at federal agencies. REM programs cover nearly 50 federal sites.

### **What is a REM?**

A REM is a designated individual contracted by an agency to support its energy and resource efficiency program. A REM has as his or her sole focus bringing about reductions in the cost of energy, water, natural gas, fuel oil, refuse disposal and any other utilities through improved practices, greater attention to utility billings and rate structures, and the installation and use of resource management equipment. The REM is self motivated, has the ability to motivate others, can work both independently and as a member of a team, has data collection and analysis skills, has marketing and policy-making experiences, and has the ability to interact with all levels of personnel at the site in order to gain support for energy measures. They may already be familiar with the site and its staff. What distinguishes REMs from energy managers is that they are typically funded from the energy and cost savings they



### **REM Locations**

As of August 2005, the following locations are receiving support from Resource Efficiency Managers (REMs) on a part-time or full-time basis:

#### **Army**

- Fort Lewis (Washington)
- Fort Polk (Louisiana)
- Redstone Arsenal (Alabama)
- Fort Campbell (Kentucky)
- Fort Benning (Georgia)
- Fort Sill (Oklahoma)

#### **Navy Region Northwest**

- Naval Base Kitsap-Bangor
- Naval Base Kitsap-Bremerton
- Naval Air Station Whidbey Island
- Naval Base Everett
- Naval Undersea Warfare Center Keyport  
(All in Washington)

#### **Navy Region Southwest**

- Naval Station San Diego
- Naval Base Coronado
- Naval Base Point Loma
- Naval Air Facility El Centro
- Naval Air Station Lemoore
- Naval Weapons Station Seal Beach
- Naval Aviation Depot North Island
- Naval Public Works Center San Diego
- Naval Base Ventura County
- Regional Energy Program Office  
(All in California)
- Naval Air Station Fallon (Nevada)

#### **Navy Region Southeast**

- Naval Air Station Jacksonville (Florida)

*Continued on page 2*

generate. They usually are not agency staff, but rather are considered additional resources.

## History

WSU's REM program was launched at the U.S. Army's Fort Lewis near Tacoma, Washington, in 1997, beginning with support from the U.S. Department of Energy's FEMP and funding through the Pacific Northwest National Laboratory. REM was modeled after successful Resource Conservation Manager (RCM) programs in Washington and Oregon school districts in the early 1990s.

## What are the Benefits of a REM?

A REM identifies energy efficiency procurement opportunities, targets ways to improve operations and maintenance, provides training to building managers, creates awareness programs for site personnel, identifies rebate or technical assistance programs, recommends more efficient technologies and innovations for integration in new construction or remodeling projects, seeks avenues for alternative financing of projects through partnerships with their utility and other service providers, and reduces energy and resource costs. A REM program for a large federal site is capable of generating a typical return on investment of 300 to 400 percent.

## Support available for REMs

FEMP provides general support for the REM program through collaboration with FEMP

headquarters, USDOE's Western Regional Office, the WSU Energy Program, and the Pacific Northwest National Laboratory. WSU's Energy Program provides information, training and support necessary to maintain and expand the REM network. To learn more about the REM program, visit the WSU Energy Program site, and see our collection of case studies:

<http://www.energy.wsu.edu/projects/rem/>

For general information about FEMP, visit the FEMP Web site:

<http://www.eere.energy.gov/femp/>

## For more information, contact any of the following individuals:

### Karen Messmer

Washington State University  
Extension Energy Program  
(360) 956-2090  
[messmerk@energy.wsu.edu](mailto:messmerk@energy.wsu.edu)

### Dave Hunt

Pacific Northwest National Laboratory  
(202) 646-7867  
[dave.hunt@pnl.gov](mailto:dave.hunt@pnl.gov)

### Bill Sandusky

Pacific Northwest National Laboratory  
(509) 375-3709  
[bill.sandusky@pnl.gov](mailto:bill.sandusky@pnl.gov)

### Ab Ream

Federal Energy Management Program  
USDOE/HQ (Washington, DC)  
(202) 586-7230  
[ab.ream@ee.doe.gov](mailto:ab.ream@ee.doe.gov)

### Arun Jhaveri

USDOE Western Regional Office  
(206) 553-2152  
[arun.jhaveri@ee.doe.gov](mailto:arun.jhaveri@ee.doe.gov)

## REM Locations (Continued)

### Naval District Washington

- Indian Head Naval Surface Warhead Center (Maryland)

### Air Force

- Headquarters Pacific Air Forces (Hawaii)
- Hickam Air Force Base (Hawaii)
- Andersen Air Force Base (Guam)
- Kunsan Air Force Base (South Korea)
- Osan Air Force Base (South Korea)
- Misawa Air Force Base (Japan)
- Kadena Air Base (Japan)
- Yokota Air Base (Japan)
- 611<sup>th</sup> Civil Engineering Squadron (Alaska)
- Eilsen Air Force Base (Alaska)
- Lackland Air Force Base (Texas)
- Tyndall Air Force Base (Florida)
- Air Force Civil Engineering Support Agency

### Marine Corps

- Marine Corps Base Camp Pendleton (California)
- Landing Craft Air Cushion Assault Unit 5 (California)
- Marine Corps Recruit Depot San Diego (California)
- Marine Corps Air Station Miramar (California)
- Marine Corps Base Hawaii (Hawaii)

### Coast Guard

- Pacific CEU (California)

### U.S. Postal Service (California)

© 2005 Washington State University Extension Energy Program. This fact sheet contains material written and produced for public distribution. You may reprint this written material, provided you do not use it to endorse a commercial product. Please reference by title and credit Washington State University Extension Energy Program. Published August 2005.

WSUEEP2004-001 (Updated 8/05)