



HQ AFCEA ENERGY TEAM

Save Energy

Save Money

Save The Environment

Volume 6

Saving Energy Is Our Goal

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This Issue

- ECONOMIC STIMULUS
- ENERGY SAVINGS
- DEMAND RESPONSE PROGRAM LEGALITIES
- OPERATION CHANGE OUT
- WATER LEAK DETECTION AND REPAIR
- DUERS DATA

The information presented in this newsletter is intended as advisory and educational material only.



We're here for you!

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ECONOMIC STIMULUS

There is legislation in the works for an \$825 billion economic stimulus bill that will also provide funding for energy projects in FY09. The Air Force submitted \$656 million in energy projects to Congress to be considered and it is likely that some portion of the funds required to execute that list would be provided in the legislation. The President has stated he wants to sign the economic stimulus bill into law before the President's Day holiday. The message for all energy managers is that projects need to be properly programmed in ACES with all energy data fields populated to the greatest extent possible to ensure expedient execution. MAJCOMs and bases will need to validate the list of projects to ensure they can be executed. This is a great opportunity to fund projects and get in front of the goals in our energy program. However, there is a great deal of work ahead of us to make it happen.

Mr. Mike Rits

ENERGY SAVINGS

Recently, the DoD Comptroller issued a change to the DoD Financial Management Regulation (FMR) that deals with how to treat energy savings as well as rebates and other incentives received from gas and electric utility companies. These changes are good news for installation energy programs. Some changes are highlighted here:

- 1) Energy cost savings (defined as savings realized as the result of a reduction in the cost of energy) remain available until expended. This means that if there is money left in the utility account that is not needed to pay the energy bill, that money will remain available to use until-expended even after the end of the fiscal year! Those funds will be divided between additional energy conservation measures and other uses including improvements to military family housing, minor construction that enhances quality of life, and any MWR facility or service.
- 2) Installations that receive rebates or other financial incentives from a gas or electric utility may credit those monies to the installation O&M account. These funds are available until the end of the fiscal year, and there are no limitations on the uses for the funds.

There is some additional guidance on procedures involving revenues from the sale of electricity, and other information that installation resource and financial management folks will be interested in. The new DoD FRM Volume 12, Chapter 12, is posted on the [AFFEC CoP](#). Please call the Utility Litigation Team with questions regarding proper treatment of funds received from utility companies related to utility service.

Ms. Karen White

DEMAND RESPONSE PROGRAM LEGALITIES

There is an increase in marketing efforts for electrical demand response services by third-party vendors.

Under these demand response programs, incentives are available for customers who curtail their facility's energy use during times of peak demand. There is an obvious benefit to power producers who may be able to avoid capital investment for additional generation capacity by paying customers to participate in these programs.

The Defense Energy Support Center (DESC) has signed general agreements (not a contract or endorsement) with third-party vendors such as Enernoc and Constellation. We are currently in discussions with DESC regarding the legal authority to enter into these programs with any company other than the local utility, which disallows the local utility 'affiliates.' Be aware that these and other programs are not created equal. Please contact AFCESA/CENF before you enter into a Demand Response Program with anyone other than your local utility provider. We can help you evaluate the legal issues related to these third-party programs.

Ms. Nancy Coleal

Oh no, I should have taken AFCESA's advice!



OPERATION CHANGE OUT

Join ENERGY STAR® - Sign Up by Earth Day - April 22, 2009

All U.S. military installations are invited to participate in ENERGY STAR *OPERATION CHANGE OUT – THE MILITARY CHALLENGE*, a jointly sponsored effort of the United States Department of Defense and the United States Department of Energy. Begun on Earth Day—April 22, 2008—*OPERATION CHANGE OUT* encourages servicemen and women and their families to save energy, money, and protect the environment by replacing their inefficient, incandescent light bulbs with ENERGY STAR-qualified compact fluorescent bulbs.

Since the campaign launch, nearly 100 installations from all service branches have signed up. These efforts include change-outs initiated by both installations and privatized housing providers. So far, more than 395,000 incandescent bulbs have been replaced with ENERGY STAR-qualified models, saving 111 million kWh and \$12 million in energy costs over the lifetime of the bulbs.

Of those signed up, 40 change-out projects are on Air Force installations. That represents about half of Air Force housing facilities. Is your installation missing?

Let's hit 100%!



With your help, we can reach 100% participation! Do your part by joining today! It's easy!

OPERATION CHANGE OUT information is available at www.energystar.gov/OCO, including how to sign up, toolkits with campaign talking points, change-out savings numbers, event-planning and promotional tips, highlights from other participating installations, and much more! A limited supply of campaign posters are also available to support your change-out activities by contacting operationchangeout@drintl.com.

All installation retail stores, including the Army Air Force Exchange Service, Coast Guard Exchange, Marine Corps Exchange, Navy Exchange, and the Defense Commissary Agency support the campaign and have displayed campaign posters in U.S. locations.

ENERGY STAR is a joint program of the U.S. Department of Energy and the Environmental Protection Agency, helping us all save money and protect the environment through energy-efficient products and practices.

Ms. Janet fox

DUERS DATA

New computer-based training on DUERS has been placed on the ADLS Virtual Learning Center. Sign-up instructions have been forwarded to each MAJCOM DUERS Manager and a phone number is provided for anyone having difficulty accessing the training.

Mr. Wes Hammond

Other Helpful Energy Links

www.greenroofs.org

www.epa.gov

www.ofee.gov

[Contracting Laboratory](#)

Saving.water.org



Contact the editor:

Let us know if you have news you would like published in our next newsletter.

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Send an email with "remove" in the subject line to be removed from future mailings.

WATER LEAK DETECTION AND REPAIR

The Air Force is a major water user. In FY08 it used almost 33 billion gallons of water at a cost of over \$74 million. The Air Force's objective is to reduce water use without degrading military readiness, safety, mission effectiveness, or quality of life. Developing a successful water management program depends in large part on the integrity of the water distribution system itself.

Water distribution systems are often huge sources of water loss, especially in the case of military installations having system dating from the 1940s. Many of these systems are likely to have more than 10% of their total water production and purchases lost to system leaks. Leaks often occur from corrosion, loose joints, service connections, splits, and cracks along the piping wall. Typically, leak detection is done as part of a comprehensive water audit to help determine the source of unaccounted water consumption.

To determine the integrity of the water lines at your installation, perform a Water Program Audit. The main purpose of an audit is to detect inefficient water systems, determine how much water and money is lost through leakage or waste, and determine a feasible method to implement conservation recommendations. Leaks are detected by listening devices – sonic for metal piping or ultrasonic for PVC piping.

Studies show that water losses range from 9% to 36% of the total water consumption at many installations. Leak detection and repair projects at some Federal sites show an average water loss recovery of over 140,000 gallons/day with a payback after repairs of just 18 days.

Even small leaks can result in large water losses over time. A one-inch-diameter hole can leak more than 180 gallons per minute at 60 pounds-per square inch, resulting in an annual loss of about 94,000 Kgal (x1000 gallons), or almost \$246,000 at an installation with an incremental water cost of \$2.60 per Kgal. Leak detection surveys can locate underground leaks so they can be fixed. An average leak detection survey and repair program can result in a 25% to 50% recovery of water being lost due to leaks. A distribution system audit and leak detection and repair program can help facilities reduce water losses and make use of limited water resources.

Besides the legal and legislative requirements, water conservation makes good sense for the Air Force. Reducing water consumption leads to reduction of energy costs for treating, heating, cooling, and pumping water. Reduced energy use translates into fewer emissions from power plants, an outcome that enhances the Air Force commitment to pollution prevention. By conserving water the Air Force demonstrates to the public its willingness to serve as a responsive community partner in environmental stewardship activities. For additional information concerning water conservation and leak detection go to:

http://www.wbdg.org/ccb/DOD/UFC/ufc_3_440_02n.pdf

http://www.wbdg.org/ccb/AF/AFI/afi_32_1067.pdf

<http://www.afcesa.af.mil/shared/media/document/AFD-070613-067.pdf>

Mr. Preston Benedyk