DEPARTMENT OF THE ARMY
OFFICE OF THE ASSISTANT SECRETARY
INSTALLATIONS AND ENVIRONMENT
110 ARMY PENTAGON
WASHINGTON DC 20310-0110

27 DEC 2005

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Interim Policy Guidance – Army Energy Conservation

The enclosed energy conservation measures are forwarded for immediate implementation.

These energy conservation actions support the Energy Policy Act of 2005, signed into law on August 8, 2005, and the recent Presidential memorandum on Energy and Fuel Conservation by Federal Agencies. In addition, these conservation measures will help the Army achieve the five goals of the Army Energy Strategy recently signed by the Secretary of the Army and Army Chief of Staff.

The Army is implementing this policy immediately to reduce energy consumption in the face of an energy crisis compounded by increasing demand, dwindling energy reserves, and rising costs. The increased OPTEMPO caused by the Global War on Terrorism and recent natural disasters makes this responsibility an ever increasing challenge. Despite these operational demands, the Army must still execute its responsibility to be a good steward of our limited energy resources.

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Deputy Assistant Secretary of the Army
(Installations and Housing)
OASA(I&E)

Enclosure

DASA-I&H
SUBJECT: Interim Policy Guidance – Army Energy Conservation

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Interim Policy Guidance
Army Energy Conservation

A. Computer use.

- General purpose office equipment, copiers, printing devices, faxes, all-in-one devices, and similar equipment will be turned off at the end of every business day. Computer monitors and peripheral devices such as speakers, scanners, and external drives, shall be turned off when not in use. Consideration should be given to using a power strip for all external devices to ease and consolidate turning off the devices and the associated transformers that are required for these devices.

- Computer and peripheral devices used in conference rooms, video-teleconferencing, and kiosks environments shall be turned off when not in use. Computer and peripheral devices shall be turned off when not in use for extended periods of absence such as vacation or holidays.

- Computers, desk top units, and personal computers can remain on for IT purposes only when the computer is capable of; configured, and enabled for energy saving features such as standby or low energy usage modes during periods of operator absence and the mode is activated after any 30 minutes of inactivity.

- Use of this exception to remain on by use of standby or low energy modes of operation are authorized only when the computer meets ENERGY STAR™ compliance and consumes 20 watts or less of energy while in that mode. Servers, storage area network devices and other network infrastructure are NOT required to be powered off during periods of non-use.

- AR 25-1, para 6-2.f. requires that all purchases of microcomputers, including personal computers, monitors, and printers, meet the ENERGY STAR™ requirements for energy efficiency.

- An exception to leaving non-compliant CPUs on for short periods of after-duty-hours is authorized by Information Technology (IT) authority when a specific start and stop date and applicable times for the CPUs to remain on is stated. The specific impacted computers will be listed with the start/stop date announcement. Start/Stop dates and announcements, intended to defeat the intent of turning off the non-compliant CPUs when not in use, is prohibited.

B. Electrical Use.

- The lighting fixture standard for new construction, remodeling, and modular office furniture is the T-8 lamp with instant start electronic ballast or the T-5 lamp. Day-lighting and occupancy controls will be used when determined to be cost-effective. Illuminating Engineering Society of North America (IESNA) standards of lighting will be used as a standard for all Army garrisons and facilities occupied by reimbursable tenants.

- Off-hour and exterior lighting will be eliminated, except when it is essential for safety and security purposes as required by AR 190-11. If lighting is required, use of motion sensor controls will be evaluated for cost effectiveness.

- Ensure electrical equipment and appliances (e.g. monitors, fans, coffee pots) are turned off when not being used and during non-duty hours.

- Refrigerators. Refrigerators are authorized in work and office areas for area use with sizing based on number of personal supported. Use one (1) cubic foot per person as an average to determine size and quantity of refrigerators that are appropriate. Refrigerators in work areas and offices intended for only one person's use are prohibited. Exceptions allowed for General Officers and Commanders who have conference room meeting requirements that justify the single use.

- The Director, IMA may authorize garrison commanders to set local policy on the use of outdoor decorative holiday lighting, giving consideration to the use of timers or photo sensors for usage control.

C. Heating and Cooling.

- During the heating season, temperatures in occupied general office space will be maintained in the range of 72 degrees Fahrenheit (°F) plus or minus 2°F during working hours. Heating setback temperatures during unoccupied times shall be set at 55°F plus or minus 5°F.

- Temperatures in warehouses and similar active working spaces will be at 60°F plus or minus 5°F during occupancy and 45°F plus or minus 5°F during unoccupied periods. Warehouses will not be heated if they are usually devoid of human activity and if freezing and condensation are not issues.

- Wherever mechanical cooling is authorized, cooling season temperatures for occupied working and living spaces shall be maintained in the range 74 °F plus or minus 2°F. Cooling set-up temperatures during unoccupied times shall be set at 85°F plus or minus 5°F. Space temperature for medical and medical research operations will comply with these standards except where the mission or DOD standards require otherwise.

- The operation of portable heating and cooling devices is prohibited where the intent is to circumvent the heating and cooling standards outlined above. Supplemental heating and cooling may be used when cost effective energy reductions can be achieved by reducing usage of primary heating and cooling systems or personal comfort levels can not be achieved by reasonable adjustments of the primary system. Such devices are particularly effective where only a few people occupy a portion of a large building, and conditioning is only required in a small section of the facility.

- Use of personal supplemental heating or mechanical cooling devices must have supervisor written approval and must only be used when the area is occupied.

D. Vehicles. The administrative use of vehicles, aircraft, and other energy-consuming equipment will be monitored for abuse and unnecessary use beyond that needed to maintain readiness. Engines will be turned off when vehicles are parked unless maintenance operations require the engine to be running.

E. Procurement. All purchased appliances and heating, ventilation and air conditioning (HVAC) equipment will be ENERGY STAR™ rated for any new or replacement application.