



DEPARTMENT OF THE NAVY
THE ASSISTANT SECRETARY OF THE NAVY
(INSTALLATIONS AND ENVIRONMENT)
1000 NAVY PENTAGON
WASHINGTON, D.C. 20350-1000

NOV 14 2005

MEMORANDUM FOR DIRECTOR, MATERIAL READINESS AND LOGISTICS
DEPUTY COMMANDANT FOR INSTALLATIONS & LOGISTICS

SUBJECT: Energy Conservation

The Deputy Secretary of Defense, in his September 13, 2005 memorandum, Attachment 1, requested that Military Departments take measures that will ultimately save fuel. This request was driven by the Presidential Memorandum, Attachment 2, responding to the significant shortage of petroleum refining capacity as a result of Hurricane Katrina.

The Department of Navy is committed to doing its share to reduce energy consumption. Navy and Marine Corps Commanders need to immediately take steps to reduce energy consumption, with a special emphasis on reducing petroleum usage. I have provided a list of minimum steps, Attachment 3, which should be taken to meet the President's Directive. Request a consolidated report discussing the actions taken by each installation to implement this policy be forwarded to this office by March 31, 2006. Concurrently, each installation's quarterly Defense Utility Energy Reporting System (DUERS) reports will be forwarded to this office by Deputy Assistant Secretary of the Navy (Installations and Facilities) and will be reviewed to correlate conservation progress against goals of the Energy Policy Act of 2005.

Accomplishing these measures is a responsibility of both our military and civilian workers. Reducing energy usage while continuing to meet the mission requirements of our fleet and combatant forces will be challenging. Through your hard work we can accomplish appreciable reductions to ensure that our Nation has sufficient energy reserves. My point of contact in this matter is Mr. Bill Tayler and can be reached at (202) 685-9254.


BJ Penn

Attachment(s):
As stated

SHORE ENERGY REDUCTION ACTIONS

- The following list of energy reduction actions are listed in order of ease of accomplishment as well as energy and cost reduction. It is the intent of the Secretary that each installation establish a plan for adopting these energy reduction actions.

Short Term Actions

- Shore Facilities
 - Provide command attention to energy management training and awareness
 - Reduce utility service to Common Output Level 3 (COL 3).
 - Heating and Air Conditioning availability delayed/interrupted no more than four weeks,
 - Thermostats adjusted lower than 68 degrees in Winter and/or higher than 78 degrees in the Summer
 - 6% to 10% reduction required in discretionary electricity usage (e.g., ball field lighting, decorative lighting)
 - 6% to 10% reduction required in discretionary steam usage (e.g., office spaces, MWR facilities)
 - 6% to 10% reduction required in discretionary water usage (e.g., irrigation, recreational facilities)
 - Water rationing for no more than two weeks.
 - Encourage turning off computers after hours or when not in use
 - Ensure that lights are turned off in buildings at night
 - Contract for Resource Efficiency Managers dedicated to lowering energy consumption
 - Maximize use of training simulators
 - Identify load-shedding techniques to cut electricity consumption in buildings and facilities. Examples of these techniques include:
 - controls to reduce hours of operations, e.g. air compressors, water heaters, air handling equipment
 - restrict use of window air-conditioning,
 - turning off unneeded lights with motion sensors and separate lighting circuits,
 - disconnect vending machine lights and
 - removing portable electric heaters and fans.
 - Reducing street and parking lot lighting where safety considerations permit
 - Tune up boilers and HVAC
 - Make sure steam traps functioning properly
 - Initiate transit subsidies to promote van pooling and public transportation
 - Limit use of transportation pool for short travel distances.
 - Adopt, where practical, Alternative Work Schedules/Compressed Work Schedule to reduce commuting costs and installation energy usage.

- Limit travel to mission essential requirements. Substitute use of video and telephone conferencing
- Replace incandescent light bulbs with compact fluorescent in buildings and housing.
- Advise family housing residents to run clothes and dish washers only when full.

Long Term Actions

- Partner with DESC to aggregate demand across installations and competitively acquire natural gas and electricity supply to meet requirements.
- Replace inefficient utilities generation and distribution and building energy systems using MILCON, ECIP, and alternative financed projects. New construction and/or retrofit projects should comply with ASHRAE standard 90.1-01 and include when cost-effective:
 - renewable energy systems
 - cogeneration systems,
 - dual fuel capability to allow fuel switching,
 - lighting efficiency upgrades,
 - waste heat usage,
 - efficient chillers, boilers, motors,
 - meters and monitoring and control systems,
 - ground source heat pumps, and
 - water reducing devices
- Consolidate spaces to allow shut down of utilities to un-utilized structures (Accelerate demolition program)
- Expand geothermal development

VEHICLE FUEL REDUCTION ACTIONS

1. Biodiesel - Increase DON use of biodiesel (B-20) fuel by:
 1. Implementation of the January 2005 ASN(I&E) guidance requiring the use of only B-20 fuel in all non-deployable, non-emergency diesel vehicles.
 2. Test the use of B-20 biodiesel fuel beginning in 2007 for 12-24 months in at least four geographically separated fleets of non-deployed tactical vehicles and support equipment.
2. Install fuel catalyts on gasoline and diesel powered automotive and construction equipment.
3. Hybrid/Fuel Efficient Vehicles – Improve vehicle fuel efficiency by:
 1. Compliance with Executive Order 13149 requirements to increase the average EPA fuel economy ratings of passenger cars and light duty trucks by 3 mpg compared to the 1999 baseline. Additionally, the average fuel economy ratings should be 4 mpg higher than the baseline by 2007, 6 mpg higher than the baseline by 2009, and 8 mpg higher than the baseline by 2011.
 2. Purchase hybrid electric light duty trucks beginning in FY06 for fleet uses not required to comply with Energy Policy Act requirements to be alternative fueled vehicles, i.e., for fleets outside of large metropolitan areas.
3. Mandate Use of Alternative Fuels in Dual Fuel Vehicles by –
Compliance with 2005 Energy Policy Act (EPAct) requirements regarding mandatory use of alternative fuels in all dual- and flex-fuel vehicles.
4. Neighborhood Vehicles (NVs) – Comply with the following targets for replacing a portion of the cars and light trucks used for intra-installation transportation of people, supplies and equipment with NVs so that NVs account for:
 - 3% of total owned car and light truck inventory by the end of FY06
 - 4% of total vehicle inventory by the end of FY07
 - 5% of total vehicle inventory by the end of FY08
 - 6% of total vehicle inventory by the end of FY09
 - 7% of total vehicle inventory by the end of FY10 and beyond