

REASONS TO CONSERVE ENERGY

Limited Resources: Nonrenewable energy sources, such as oil, coal and natural gas are limited. It is important to conserve our current supply of these resources for future generations.

Regulatory Guidance: A variety of federal laws and policies exist requiring energy conservation, such as the 2015 Executive Order 13693, 2007 Energy Independence and Security Act, Executive Order 13514, and the Energy Policy Act of 2005.

Budgetary Reasons: Utilities account for approximately 40 percent of a command's budget. The fluctuation in crude oil prices requires us to cut energy costs annually.

Environmental Concerns: Energy production accounts for nearly 80 percent of all air pollution. By reducing energy waste, we decrease greenhouse gas emissions thereby reducing air pollution.

LONG-TERM GOALS

- Continue to research energy efficient technology and develop and implement projects that decrease energy consumption.
- Increase production and procurement of renewable energy.
- Meet federal energy reduction goals.
- Improve energy security

ENERGY GOALS

- Meet energy reduction standards set forth in the **OPNAV INSTR 4100.5**. Requires Navy to reduce energy consumption by fifty percent by 2020 and promote sustainable development for all new major recapitalization projects ashore.
- Meet energy reduction standards set forth in **Executive Order 13693** (requires agencies to reduce energy consumption by two and a half percent annually, through fiscal year 2025).
- Meet renewable energy requirements set forth in the **National Defense Authorization Act of 2007** (requires 25 percent of the energy consumed at an installation be produced or procured from renewable energy sources by 2025) through a variety of renewable energy projects.

**IT'S THE
RIGHT THING
TO DO!**

For more information, contact
NAVFAC Hawaii's Energy
Program at
(808) 471-3208.

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Hawaii Energy Program



**Power.
Presence.**



THE ENERGY PROGRAM

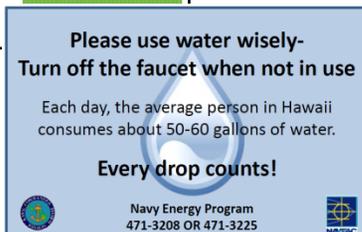
The Naval Facilities Engineering Command (NAVFAC) Hawaii Energy Program is instrumental in assisting Navy Region Hawaii taking actions, and being a major power and presence in the arena of energy. The program serves all Navy Region Hawaii tenant commands including Joint Base Pearl Harbor Hickam and the Pacific Missile Range Facility on Kauai. The program is built around three main areas of focus:

Operations: Through command support and internal and external partnerships, the NAVFAC Hawaii Energy Program influences operations to execute the mission at reduced energy usage and cost.

Awareness: Energy reduction is only effective if all military and civilian personnel are aware of energy conservation efforts and are informed on energy conservation measures.



Energy & water conservation is taught and encouraged through Navy Region Hawaii's awareness materials posted in high visibility areas.



For this reason, the NAVFAC Hawaii Energy Program fosters a culture of conservation through Region wide energy outreach events, energy training, facility audits and energy conservation articles and communication pieces.



Energy Team member shares energy tips during a BEM training and energy action fair.

Technology: In an effort to reduce the Region's electrical consumption, NAVFAC Hawaii Energy Program is charged with researching, developing and implementing energy conservation technology. The program implements a variety of energy projects to include renewable energy projects to include renewable energy and high efficiency lighting and air conditioning.

DID YOU KNOW?

Leaving a computer on all day can cost about 21 cents per day, or about \$75 per year. Unplug electronics and appliances when not in use – a task made easier by using multiple-outlet strips, which can turn everything off with the flip of a switch.

Heating water can account for 14 to 25% of the energy consumed in your home. Turn down the temperature of your water heater to the warm setting (120°F) and save energy (and avoid a surprise faucet-scalding).

ENERGY CONSERVATION TIPS FOR YOUR OFFICE

“Last to Leave” Policy

Designate a “Last to Leave” policy or a checklist of equipment that should be powered down over night

Water Cooler Timer

A simple water fountain equipped with a timer reduces the consumption of the unit by 30%, and savings of \$16 annually in electricity costs.

Advanced Power Strips (APS)

Plug and process loads account for 33% of U.S. commercial building electricity consumption. In a recent demonstration by National Renewable Energy Laboratory (NREL) a facility equipped with APS, saw a reduction of 20% to its plug level energy consumption, and 5% reduction in total building energy use.

Low Power Mode

Several common office technologies have a feature to transition into a sleep or low power mode after a designated time has elapsed (i.e. printer, monitor, computer, etc.). According to the U.S. Department of Energy, companies can save up to 66% of energy costs associated with printing and imaging equipment by doing so. While putting your computer to sleep after can save \$10-\$50 per computer each year.

Awareness

The Energy Team has stickers, posters, and thermometer cards available to help spread awareness of energy conservation urgency, and help fortify a culture of responsible energy utilization.