

ENERGY CONSERVATION TIPS FOR YOUR HOME

Change out any incandescent bulbs.

Incandescent light is the most common lighting source in U.S. homes. It also wastes the most energy. Changing one bulb to a CFL will save about 75% or a LED will save about 75% - 85%, but CFLs are a more reliable technology.

Use fans to keep cool instead of an air conditioner.

Portable, ceiling, and whole-house fans consume only a fraction of the energy used by an air conditioner. For example, using two fans rather than an 8,000 BTUH room air conditioner running four hours a day, will save of 1,150 kWh and \$172 per year.

Install a solar hot water heater.

By switching out the standard efficiency model hot water heater to an Energy Star qualified model, the average household can save 40% - 50% on their energy costs.

Shorten showers.

Cutting just two minutes per shower could save up to 1,533 kWh and \$230 per year.

Watch out for phantom loads.

Your televisions, DVD players, phones and computer equipment consume power even when the power switch is off. The hidden energy costs from these appliances can be reduced by simply using a surge protector. If appliances are plugged into a surge protector, when the surge protector is turned off, the appliances will no longer draw power from the outlet.

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 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.

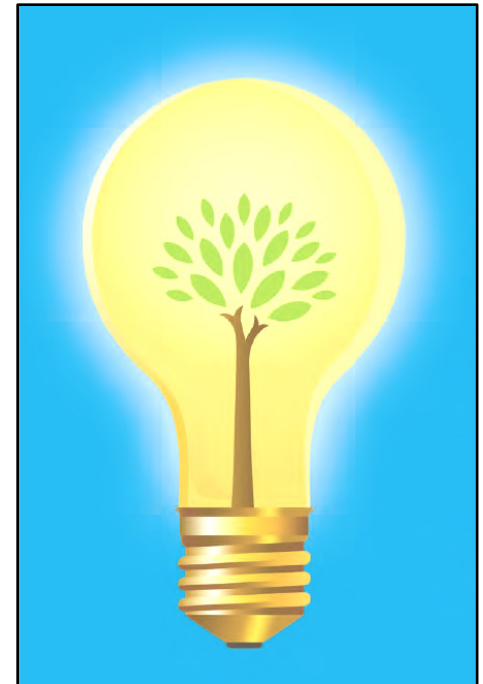
Environmental Concerns: Energy production accounts for nearly 80 percent of all air pollution. By reducing energy waste, we decrease greenhouse gas emissions thereby reducing air pollution.

**It's the right thing
to do!**

For more information on energy conservation, contact NAVFAC Hawaii's Energy Program at 471-0440.

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Hawaii Energy Program



Conserve Energy—
It's a Bright Idea!

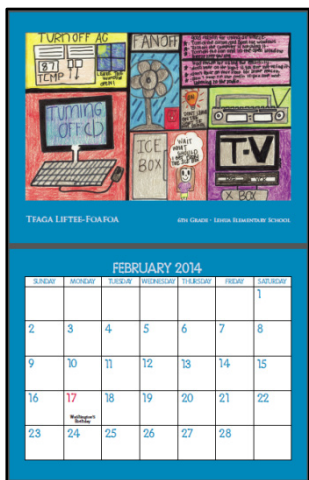


THE ENERGY PROGRAM

The Naval Facilities Engineering Command (NAVFAC) Hawaii Energy Program is instrumental in assisting Navy Region Hawaii reduce its energy use and attain energy consumption goals. 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 areas of focus: operations, awareness and technology.

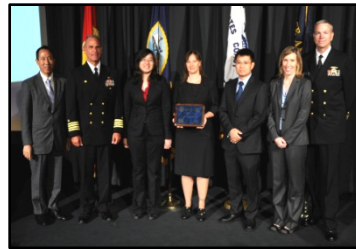
Operations: Through command support and internal and external partnerships, the NAVFAC Hawaii Energy Program influences operations to execute the mission at reduced energy usage and cost.

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 conservation is taught through Navy Region Hawaii's annual School Outreach Program. Students create calendars that are used as awareness material for Region personnel.

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 members accept the SECNAV Award in Washington D.C. for outstanding achievement in energy management and reduction.

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Technology: In an effort to reduce the Region's electrical consumption, the 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 and higher efficiency lighting and air conditioning.

DID YOU KNOW?

The toilet is the largest water consumer in the average household. A new water sense rated toilet can save 5 gallons per flush. For a family of four that can add up to \$509 per year in water and sewage costs.

If energy efficiency doubles as planned by 2030, America will save \$327 billion across buildings, transportation, Industry, household and taxable energy costs.

ENERGY CONSERVATION TIPS FOR YOUR OFFICE

Turn it off.

Get in the habit of turning off lights, air conditioners, fans, computer equipment, etc. when you leave a room.

Report malfunctioning or leaky plumbing fixtures.

A faucet leaking just one hot water drop per second costs approximately \$60 per year.

Raise the temperature on your thermostat.

Set your thermostat on your air conditioning system at the highest comfortable setting (78 - 80 degrees Fahrenheit is recommended). It is estimated that each degree the thermostat is raised, three percent is saved on the cooling bill.

Improve the efficiency of office equipment.

When feasible, remove or replace energy consuming office equipment. For example, purchase Energy Star rated electronics and appliances, replace incandescent light bulbs with energy efficient compact fluorescent light bulbs (CFLs), install occupancy sensors in common areas, replace incandescent exit signs with light-emitting diode (LED) exit signs and delamp vending machines.

Close windows and doors.

Windows and doors account for one-third of all cooling loss. Ensure window and doors are closed when the air conditioner is operating and replace old or worn weather stripping.