

# Power Presence.

## 2015 Energy Action Month Inspires Cultural & Behavioral Change Across the Globe

Worldwide, naval commands are participating in Energy Action Month by taking action to reduce energy consumption, disseminate information on energy efficiency and Navy-related initiatives, and inspire a cultural shift of greater energy awareness.

President Obama declared October as Energy Action Month in a 2012 proclamation to encourage Americans nationwide to collectively achieve energy security through smart energy conservation practices. The objective of Navy Energy Action Month is to promote cultural and behavioral change that facilitates energy security and operational capability.

The Department of Defense (DoD) is the largest consumer of energy in the United States and the greatest institutional consumer of fossil fuels worldwide. DoD constitutes 92 percent of the U.S. government's energy consumption. The Navy accounts for 28 percent of the DoD's total petroleum consumption. Fleet operations exhaust 84 percent of the Navy's overall energy usage. These consumption rates underscore how vital energy is to the Navy's mission. Diversifying the Navy's energy portfolio significantly reduces vulnerabilities and boosts mission capability to maintain an omnipresent force.

Deputy Assistant Secretary of the Navy for Energy Joseph Bryan explains, "We are a driver for energy solutions, pushing innovation and building partnerships that advance the Navy's goal of optimizing energy use to enhance combat capability and energy security."

The Navy will promote Energy Action Month with electronic displays and posters illustrating Navy energy programs and initiatives. Energy Action Month also provides a great opportunity to highlight how each Sailor and Navy civilian can take concrete steps to save energy while on duty during missions, in the workplace, and at home.

"Opportunities exist to improve understanding of energy issues and become more effective in our use of energy," said Vice Admiral Philip H. Cullom, deputy chief of naval operations for fleet readiness and logistics.

"It is our Sailors who will unlock and unleash the ideas of this energy culture change and marry them with new efficient technologies."

From an operational standpoint, the Navy has made great strides to maximize fuel and energy efficiency. Across the fleet, the Navy is installing light-emitting diode (LED) lighting following a directive from Secretary of the Navy Ray Mabus. Ships are utilizing stern flaps to decrease drag, turbulence and hull resistance. Crews are using an Energy Dashboard's real-time measurements to gain situational awareness of the ship's overall energy consumption. For more examples of job-specific energy saving factsheets, visit <http://greenfleet.dodlive.mil/energy/energy-action-month>.

See the opposite page for other steps that can be taken on the shore side, in a home or in an office. For a complete list of energy saving tips, follow the coverage on our Task Force Energy Facebook (<https://www.facebook.com/NavalEnergy>) and Twitter (<https://twitter.com/NavalEnergy>) pages throughout the month of October.

What are you doing to save energy? What does energy resiliency mean to you? Join the conversation at #NavyEnergy. And for more information and resources, visit the Navy Energy Action Month webpage at <http://dld.bz/energy-action-month>.

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## What are you doing to save energy?



# Energy Action Month IDEAS

## Plant Trees

Plant a well-positioned tree that provides adequate shade to reduce overall household energy consumption by up to 25 percent. It can also serve as a wind-breaker during winter months to reduce wind chill.

<http://energy.gov/energysaver/articles/tips-landscaping>



## Drive Responsibly

Avoid aggressive driving to get the best fuel efficiency out of your vehicle. Rapid accelerations, speeding and hard braking can all lower fuel efficiency by up to 33 percent (highways) and five percent (cities).

Minimize speeds above 50 miles per hour, as gas mileage at faster speeds drops significantly.

<http://energy.gov/energysaver/articles/tips-saving-money-gas>



## Choose the Right Cookware

Use flat bottom cookware to allow more contact with the heating element. Warped bottom pots can use 50 percent more energy to boil water. Copper bottom pans heat up faster than regular pans. Glass and ceramic dishes also heat faster and can allow the oven to be turned down 25 degrees. Keeping cookware clean will ensure the reflective material can effectively heat the food.

<http://energy.gov/energysaver/articles/cooking-some-energy-saving-tips>

## Upgrade Appliances

Upgrade older appliances to Energy Star efficient products. These products are certified as energy efficient and can often qualify for tax rebates. The Energy Star website lists appliances for all home and office appliances.

[www.energystar.gov/products](http://www.energystar.gov/products)



## Keep Blinds Closed

Close blinds and curtains during the day in the summer to prevent heat from increasing temperatures inside. During winter, keep blinds and curtains closed at night to keep the heat inside.

[www.facebook.com/nassigonella/posts/10153527112813336](http://www.facebook.com/nassigonella/posts/10153527112813336)



## Operate Appliances with Full Loads

Run washing machines and dishwashers with full loads to ensure efficiency and no wasted water or heat on light loads.

Washing by hand actually uses more water. [www.facebook.com/USNavalStationRota/posts/10153431485389241](http://www.facebook.com/USNavalStationRota/posts/10153431485389241)

## Swap Fluorescents for LEDs

Switch to energy efficient lighting, including LEDs and motion sensors to avoid lighting rooms that aren't occupied. LED lights use 50 percent less energy and last up to five times as long as conventional fluorescent lights.

[www.navy.mil/submit/display.asp?story\\_id=86532](http://www.navy.mil/submit/display.asp?story_id=86532)



## Unplug Unused Electronics

Disconnect electronics when not in use. Many electronics draw power even when they are not in use or switched off. These are often referred to as "vampire loads" which can add \$200 in energy costs for the average home annually. Remove battery chargers when not in use as they can draw as much as five to 20 times more energy than what is stored in the battery.

[www.facebook.com/NSABahrain/posts/1015206791847567](http://www.facebook.com/NSABahrain/posts/1015206791847567)



## Optimize Thermostat Setting

Adjust thermostat settings in the winter to 68 degrees Fahrenheit (°F) during waking hours at home. Lower the temperature during sleep and when away. Lowering the thermostat 10 to 15 degrees for an eight-hour time period can result in a five to 10 percent savings on an annual heating bill. The thermostat should ideally

be set to 78°F when at home in the summer for best efficiency.

<http://energy.gov/energysaver/articles/thermostats>



## Take Shorter Showers

Shower in five minutes or less to conserve water and energy to heat the water. Soap with the water off and then turn the water back on to rinse. Five minute showers use less energy and water than a full bath.

For a standard shower head, every minute in the shower equals 2.5 gallons of water. [www.washingtonpost.com/news/energy-environment/wp/2015/03/04/your-shower-is-wasting-huge-amounts-of-energy-and-water-heres-what-to-do-about-it](http://www.washingtonpost.com/news/energy-environment/wp/2015/03/04/your-shower-is-wasting-huge-amounts-of-energy-and-water-heres-what-to-do-about-it)



## Wash Clothes with Cold Water

Use cold water and cold water detergent to save on energy used to heat water. Water heating typically accounts for 90 percent of the energy used for washing clothes.

Have you washed a load of clothes with cold water? How did it compare to using hot water?

<http://energy.gov/energysaver/articles/tips-laundry>

