



NAVY ENERGY VISION



Our Vision is a Navy that values energy as a strategic resource; a Navy that understands how energy security is fundamental to executing our mission afloat and ashore; and a Navy that is resilient to any potential energy future.

Overview

The mission of the Navy Energy Coordination Office is to work with Navy resource sponsors, Systems Commands, and the Fleet to make better use of our Energy resources. Together, we are advocating new technologies or enhancements to existing technologies that can increase future combat capability and responsiveness through energy efficiency. These new technologies reduce mission risks that might result from the lack of available energy or volatile, ever rising costs that consume our operating budgets. Additionally, there are many things we can accomplish simply by changing the way we operate and changing the culture to emphasize that energy efficiency and alternative energy are critical for today's Navy and the Navy of tomorrow. Technological advancements will go a long way to achieving the SECNAV energy goals, but the full value of these initiatives will not be achieved without changing the culture and increasing energy awareness down to the deckplate level.

Key Messages

- Energy Security is critical to mission success. Energy security means safeguarding our energy infrastructure, shielding our operating forces from a volatile energy supply, and husbanding, protecting, and properly valuing the energy we use.
- Those who don't like us have figured out how to use our reliance on energy against us. Efficiency and alternatives may be our best countermeasure.
- Energy efficiency increases our mission effectiveness in terms of range, endurance, and reduced logistics support. Efficiency improvements minimize operational risks of the logistics tether—saving time, money, and lives.
- Alternative fuels provide the Navy an 'off-ramp from petroleum,' mitigating the risk to a volatile and ever more expensive petroleum market.
- For every \$10 increase in a barrel of oil, the Navy spends an additional \$300 million dollars a year.
- The cheapest barrel of fuel afloat or kilowatt-hour ashore is the one you never use.
- Environmental stewardship protects mission capabilities. Investments in environmentally responsible technologies afloat and ashore lessen dependence on fossil fuels and reduce green house gas emissions.

Overarching Reasons for Energy Reform

- **Enhanced combat capability.** The mobility of our platforms and the continuity of power to our critical infrastructure depend on our efficient use of energy resources. Anything we can do to make systems more efficient, afloat and ashore, enhances our ability to accomplish our mission.
- **Cost savings.** Increasing our use of alternative energy sources helps us to achieve a level of protection from the volatility of current energy prices. Operating more efficiently saves money by reducing the amount we spend for fuel. Savings can be reinvested to strengthen combat capability.
- **Sustainability.** Initiatives that integrate alternative fuels and energy, that extend our capabilities, and make us more resilient to energy shocks also make our Nation's future more sustainable by using energy sources that do not deplete and get ever more expensive. Bottom line: the Great Green Fleet is the right thing to do—for our Sailors and Marines, our Nation, and our environment.