



RHUMB LINES

Straight Lines to Navigate By



April 9, 2010

Earth Day: Partnering for a Greener Future

“Secretary Mabus has raised the bar for the Department of the Navy by committing that we will be leaders among the services, the Federal Government and the nation, in achieving aggressive goals for energy efficiency. His initiatives are tied directly to our national security interests, but achieving them we will have other benefits, including better use of limited resources and healthier communities.”

– **Jackalynne Pfannenstiel, Assistant Secretary of the Navy (Energy, Installations & Environment)**

The Navy is celebrating the 40th anniversary of Earth Day on April 22. The Navy’s theme for Earth Day 2010, “Partnering for a Greener Future,” emphasizes the Navy’s interagency and private sector partnerships that are developing large-scale energy and environmental initiatives. The Navy and its partners are working to support research and development of alternative energy sources as a way to safeguard the environment.

Partnering with Industry – Green Hornet Flight Test Demonstration

- On Earth Day 2010, at Naval Air Station Patuxent River, Md., the Navy will fly an F/A-18E/F *Super Hornet*, powered by a 50/50 blend of biofuel and standard petroleum-based JP-5 jet fuel. The fuel, which is made from the *Camelina sativa* plant, is produced by Sustainable Oils of Bozeman, Montana.
- The Green Hornet flight is one of 15 test flights in the aviation biofuel test program, which will certify the *Camelina*-based biofuel for use in the *Super Hornet* – the Navy’s premier strike fighter and largest consumer of aviation fuel.
- The goal of the Navy’s test program is to certify (by comparison against established standards) a number of biofuel sources to power all naval aircraft.

Interagency Partnership – DoN and U.S. Department of Agriculture Collaborate

- On January 21, 2010, the Secretary of the Navy and the Secretary of Agriculture signed a [Memorandum of Understanding](#) to support President Obama’s initiative to reduce fossil fuel energy consumption and increase production of alternative energy.
- Hawaii has been selected as the location for the initial collaboration between USDA and DoN. The agencies will be evaluating opportunities for a commercial biofuel feedstock supply, an advanced biofuel production facility and other renewable energy projects in Hawaii.
- Success in Hawaii will provide a new working relationship that employs best practices that can be tailored for different regions and lead to an expansion of collaborations across the nation.

Local Community Partnerships – Earth Day Events Planned

- Navy Earth Day happenings around the globe, many in partnership with local communities, are being highlighted on the Earth Day Network site (<http://www.earthday.org/campaigns/navy-earth-day-events>).

Key Messages

- The Navy is forming partnerships in the public and private sectors in order to promote and support its energy and environmental goals.
- The Navy and its partners are committed to energy security, energy efficiency and environmental stewardship as a means to conserve natural resources, reduce greenhouse gas emissions and lessen dependence on fossil fuels.
- Energy efficiency increases mission effectiveness. Efficiency improvements minimize operational risks, saving time, money and lives.

Facts & Figures

- DoN energy reform targets: By 2020, 50% of the Navy’s total energy consumption will come from alternative sources; by 2020, 50% of the Navy’s installations will be net-zero energy consumers; and by 2020 the Navy will use 50% less petroleum in the commercial fleet.
- The Navy has completed environmental permitting and consultations for eight training, testing and operating areas at sea. Six more will be done in 2011.
- By 2016, the Navy will sail a “Great Green Fleet” composed of nuclear ships, surface combatants with hybrid electric power systems using biofuel, and aircraft flying on biofuels.