

U.S. Navy Air ENCON Program



Air ENCON Beta Test Overview



Air ENCON Program

Aviation Energy Conservation Program (Air ENCON) is a Naval Aviation community-wide program designed to optimize fuel consumption by naval aviation units to ensure the right amount of fuel is available for sustained mission readiness. Please see 'Air ENCON Background' on the next page for more program details.

Beta Test Overview

In January 2013, the Navy will launch a Beta Test of the Air ENCON Program, Naval Aviation's primary energy conservation initiative. The Beta Test will be conducted throughout FY13, in order to test all aspects of the program on a limited scale. The objectives of the Beta Test include:

- Demonstrate program viability in operational environment
- Test and refine data collection and reporting
- Identify additional fuel conservation practices that can be implemented

Participating Squadrons' Responsibilities

Squadrons participating in the Air ENCON Beta Test are asked to actively take steps to reduce their own fuel use. As the Air ENCON Beta Test begins its roll-out, they should:

- Implement new energy conservation practices
- Provide feedback on the Air ENCON program
- Provide innovative suggestions for future energy conservation efforts
- Provide your perspectives by completing the brief online Air ENCON survey: http://deloitte.us.qualtrics.com/SE/?SID=SV_eQy2WQIFA4o34mV.

Beta Test Energy Conservation Practices

Energy conservation practices initially included in this Beta Test are listed below. Additional practices will be added during the Beta Test - with an increasing applicability to different TMS – and the Beta Test participants will be engaged to identify additional prospective fuel conservation concepts...

Reduce Fuel Dump

Use Short-Cycle Mission and Recovery Tanking (SMART) when applicable to minimize fuel dumping.

Increase Truck Refueling

Decrease use of "hot pit" refueling in favor of "cold" truck refueling for fixed-wing aircraft.



Beta Test Participants

The following squadrons have been selected to participate in the Beta Test:

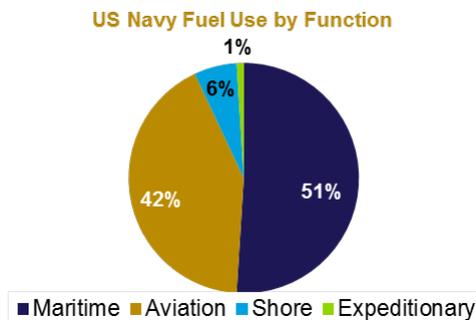
- CVW 8: VFA-15, VFA-31, VFA-87, VFA-213, VAW-124, HSC-9, and HSM-70
- CVW 17: VFA-22, VFA-81, VFA-25/VFA-94, VFA-113, VAW-116, VAQ-134, VAQ-139, HS-15, and HSM-73
- VP-16
- VP-26
- VP-1
- VFA-106

Squadrons were selected based on T/M/S, mission mix, and fixed / rotary diversification.

Why Energy Matters to Naval Aviation

Recognizing that increasing tactical energy security will require both a decrease in overall fuel consumption as well as increasing the fuel efficiency of existing systems, Task Force Energy took steps to target the most fuel-intensive portion of naval operations – aviation.

Naval Aviation operates more than 3,700 aircraft, burning more than 600 million gallons of fuel per year. In order to preserve its operational capabilities, Naval Aviation must find ways to squeeze the maximum amount of capability from each drop of fuel. With such a large footprint, opportunities abound for making Naval Aviation a more fuel-efficient organization.



For example, between 2009 and 2011, F/A-18s jettisoned nearly 6 million gallons of jet fuel during carrier training and operations in order to meet landing weight restrictions – enough fuel to support over 5,000 readiness hours for an F/A-18 squadron.

Air ENCON Background

Aviation Energy Conservation Program (Air ENCON) is a Naval Aviation-wide program designed to optimize fuel consumption by naval aviation units to ensure the right amount of fuel is available for sustained mission readiness.

The Navy Energy Vision set a goal of reducing energy use afloat by 15% by 2020. As part of this, the Air ENCON program seeks to achieve a 4% reduction in fuel burn in aviation by 2020. In doing so, Air ENCON will help to:

- Reduce the Navy's reliance on petroleum
- Promote a culture of energy awareness
- Identify and communicate best practices
- Eliminate inefficient policy/cultural paradigms
- Reward innovation and most efficient utilization of energy resources

Without adversely impacting mission execution or safety

Air ENCON is led by CNAP N40, with active participation from CNAL N40, CNAFR N3, CNAF N8, N41, N43, NAVAIR 4.4, OPNAV N45, and N88 Liaison.

For more information please contact the Air ENCON Program Integrated Project Team at <http://airencon.dodlive.mil/contact/>.

