SECNAV Energy Goals

- Increase Alternative Energy
  Department-wide
- Increase Alternative Energy
  Sources Ashore
- Reduce Non-tactical Petroleum Use
- Sail the “Great Green Fleet”
- Energy Efficient Acquisitions
Great Green Fleet Launches

September 2015 – DLA Energy awards contract for alternative F-76

January 2016 – USS John C Stennis CSG deploys on alternative fuel, launching the Great Green Fleet
Great Green Fleet Launches

USS William P Lawrence
First alternative fuel RAS with foreign oiler
RIMPAC 2016

11+ million gallons to 9 countries
August 2016 – USS Stethem in Australia
August 2016 – Statement of Cooperation with Queensland
FT: Fischer-Tropsch
HEFA: Hydrotreated Esters and Fatty Acids
SIP: Synthetic Iso-Paraffins
ATJ: Alcohol to Jet
CHCD: Catalytic Hydrothermolysis Conversion Diesel
CHCJ: Catalytic Hydrothermolysis Conversion Jet
Other Notable Progress

• The market is open. If it’s in the MILSPEC, we’ll take it. We’ve made sure the other Services will take it, too.

• To help build new markets for agricultural commodities, USDA makes Commodity Credit Corporation funds available for renewable jet fuel made from USDA-approved domestic feedstocks supplied by U.S. farmers.

• International markets are expanding… In RIMPAC, eight of other navies agreed to use alternative fuels during the exercise, and that is just in the Asia-Pacific region. More to follow.
Maintain Interoperability
Synthetic Hydrocarbons in Aviation Fuels

2010: 50%
Synthetic Hydrocarbons in Aviation Fuels

2016: 100%
Renewable Energy in Surface Warfare

1775: 100%
THANK YOU

F/A-18E
Denali, Alaska