



NAVAL ENERGY FORUM

Art of the Long View

FORUM HIGHLIGHTS:

- ▶ Keynote addresses by Secretary Ray Mabus, Senator Jeanne Shaheen (D-NH), Hon. Sharon Burke, and other distinguished guests
- ▶ Presentations on maritime, aviation and shore energy programs and systems for Navy and Marine Corps
- ▶ Expert discussion panels on expeditionary, industry, and international aspects of energy

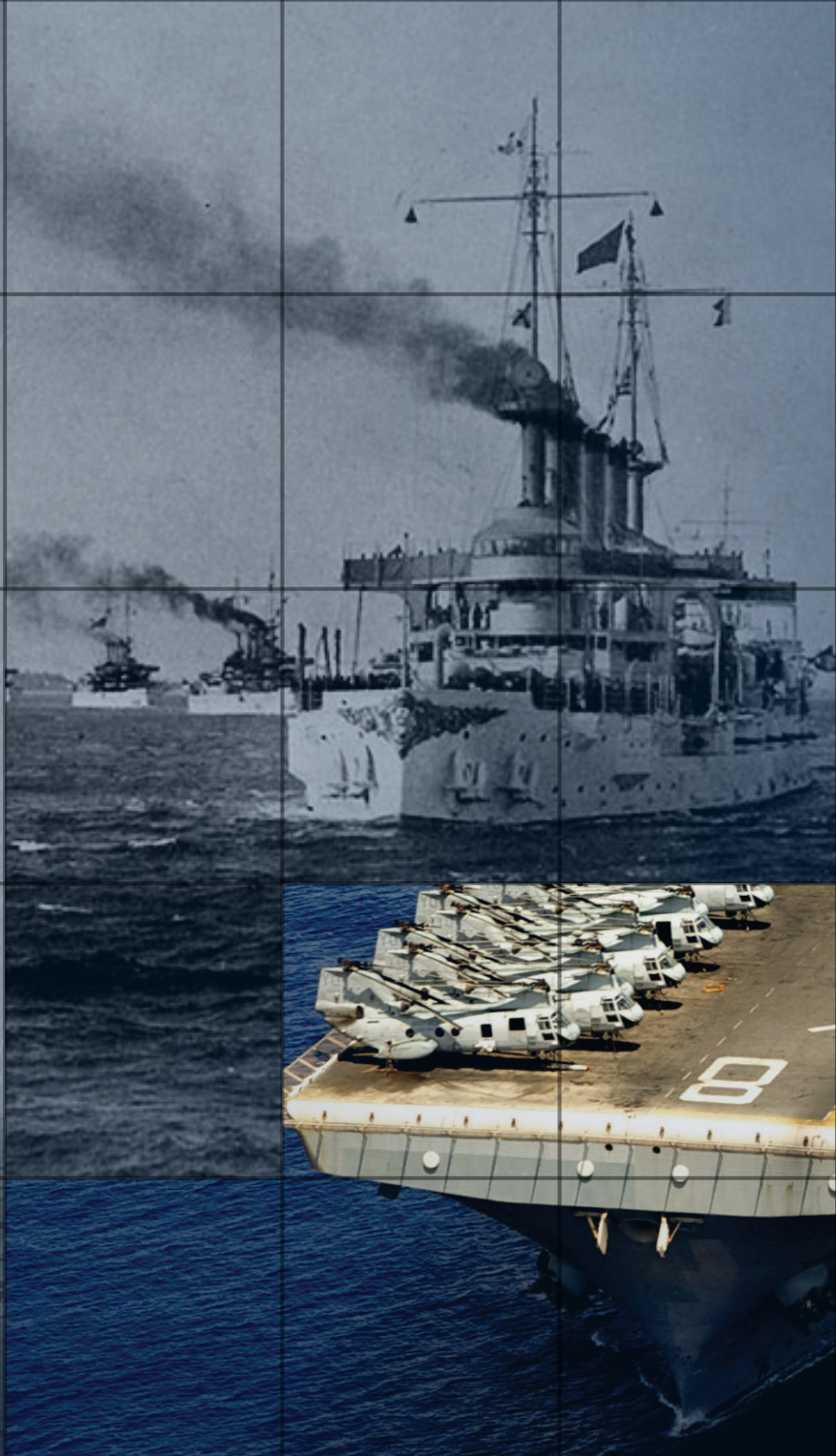


OCTOBER 17, 2012

WWW.GREENFLEET.DODLIVE.MIL/ENERGY

WWW.NDIA.ORG/MEETINGS/1600

RONALD REAGAN BUILDING & ITC ▶ WASHINGTON, DC



SECNAV WELCOME MESSAGE



Welcome to the 2012 Naval Energy Forum. This year's forum highlights the importance of using energy in a way that improves combat capability. There is clear and compelling evidence these efforts are important for national security, will save money and will save lives.

In 2009, I announced five aggressive energy goals to reduce the Navy and Marine Corps' energy use, decrease our reliance on foreign oil, and significantly increase use of alternative energy. Since that time, we have made remarkable progress and demonstrated that using energy more efficiently, investing in renewable energy, and pursuing alternative fuels can enhance our warfighting capability.

This year, we achieved one of those goals by demonstrating the Great Green Fleet during the 2012 Rim of the Pacific (RIMPAC) exercise, the world's largest international maritime exercise. Every type of aircraft that flew off the carrier and every surface ship operating in the strike group accompanying the carrier did so on a 50-50 blend of biofuels made from used cooking oil and algae. We ran this mixture throughout our fuel distribution process, fueling aircraft with biofuel off the deck of a carrier, and conducting in-air refueling. We also gassed up an Australian helo from the deck of USS Nimitz. The platforms burning the biofuel blends performed the same, and our fuel distribution network required no modifications to accommodate the biofuel. In fact, very preliminary tests suggest that, because biofuel burns cleaner, engines may fare better and last longer than when burning traditional fuels. This is the future of naval aviation and of naval fuel.

On shore, the Department has been reaching beyond the gates of our installations to form collaborations with utility companies, including three Power Purchase Agreements (PPAs) at installations in California. Such agreements are a means to help meet our goal of 50% of energy used ashore coming from renewable sources by the end of fiscal 2020. Through PPAs and other avenues, we will be able to use significant amounts of renewable energy and save tens of millions of dollars over the next two decades.

The Department of the Navy has always been a leader in energy innovation, demonstrating forward thinking and leadership in transforming our energy use to adjust to volatile world conditions and maintain our competitive edge. We moved from sail to coal in the middle of the 19th Century and from coal to oil at the start of the 20th Century. And we safely pioneered the use of nuclear to power our submarines and aircraft carriers.

Our mission is to maintain, train, and equip combat-ready naval forces capable of winning wars, deterring aggression, and maintaining freedom of the seas. Leveraging industry partnerships, technological advances, and culture change within our own organization, we can make energy security a key enabler of that mission today—and help ensure that we continue to achieve it for the foreseeable future.

We must all remain committed to a more energy independent Department of the Navy. Thank you for participating in today's forum, and for contributing your voice and expertise to this important effort.

Secretary of the Navy Ray Mabus



WEDNESDAY, OCTOBER 17, 2012

- 7:00am - 7:55am Registration Open - Atrium Ballroom Foyer Ground Level
Continental Breakfast Available in Atrium Ballroom Foyer Concourse Level
- 7:55am - 8:00am **WELCOME — COLORS** - Atrium Ballroom
- 8:00am - 8:10am **OPENING REMARKS**
▶ RDML Kevin Slates, *Director, Energy and Environmental Readiness Division (OPNAV N45)*
- 8:10am - 8:40am **DEPARTMENT OF DEFENSE PERSPECTIVE**
▶ Honorable Sharon Burke, *Assistant Secretary of Defense for Operational Energy Plans and Programs*
- COMBAT CAPABILITY—TYING ENERGY TO THE WARFIGHTER**
- 8:40am - 9:40am **PANEL: EXPEDITIONARY PERSPECTIVE**
▶ Moderated by LtGen John G. Castellaw, USMC (Ret)
▶ RADM Michael Tillotson, *Commander, Navy Expeditionary Combat Command*
▶ RDML Frank Morneau, *Deputy Director, Expeditionary Warfare Division (OPNAV N95)*
▶ Col Robert Charette, USMC, *Director, USMC Expeditionary Energy Office*
- 9:40am - 10:15am **BREAK - VISIT DISPLAYS**
Refreshments Available in Atrium Ballroom Foyer Concourse Level
- 10:15am - 10:45am **DEPARTMENT OF THE NAVY ENERGY GOALS**
▶ Honorable Ray Mabus, *Secretary of the Navy*
- 10:45am - 10:50am **ENERGY UPDATES**
▶ RDML Kevin Slates, *Director, Energy and Environmental Readiness Division (OPNAV N45)*
- 10:50am - 11:20am **VIEW FROM THE HILL**
▶ Senator Jeanne Shaheen (D-NH)
- 11:20am - 11:50am **USMC ENERGY PERSPECTIVE**
▶ LtGen Richard Mills, USMC, *Deputy Commandant for Combat Development and Integration*
- 11:50am - 1:00pm **LUNCH IN THE ATRIUM & VISIT DISPLAYS**
- 1:00pm - 1:30pm **MARITIME CASE STUDY (DDG-51, HED PROOF OF CONCEPT)**
▶ RDML Jim Shannon, *Commander, Naval Surface Warfare Center and Deputy Commander for Surface Warfare (SEA 21)*
- 1:30pm - 2:00pm **AVIATION PERSPECTIVE**
▶ VADM David Dunaway, *Commander, Naval Air Systems Command*
- 2:00pm - 2:30pm **SHORE ENERGY**
▶ RDML Patrick Lorge, *Commandant, Naval District Washington*

2:30pm - 2:40pm **BREAK - VISIT DISPLAYS**
Refreshments Available in Atrium Ballroom Foyer Concourse Level

INVESTING IN AN ENERGY SECURE FUTURE

2:40pm - 3:30pm **PANEL: INDUSTRY VIEW**

- ▶ Moderated by Ms. Phyllis Cuttino, *Director, Clean Energy Program, Pew Environment Group*
- ▶ Mr. Jimmy Samartzis, *Managing Director of Global Environmental Affairs, United Airlines*
- ▶ Mr. Mike McAdams, *President, Advanced Biofuels Association*
- ▶ Mr. Mike Ritzenthaler, *Senior Research Analyst, Piper Jaffray*
- ▶ Mr. Andrew Walmsley, *Director of Congressional Relations, American Farm Bureau Federation*
- ▶ Mr. Gordan Evans Van Hook, *Senior Director, Innovation and Concept Development, Maersk Line, Ltd.*

3:30pm - 4:15pm **PANEL: VALUING ENERGY IN ACQUISITION**

- ▶ Moderated by Dr. John Amy, *Chief Systems Engineer, Assistant Secretary of the Navy (Research, Development, and Acquisition)*
- ▶ VADM William Burke, *Deputy Chief of Naval Operations for Warfare Systems (OPNAV N9)*
- ▶ VADM Walter Skinner, *Principal Military Deputy to the Assistant Secretary of the Navy (Research, Development, and Acquisition)*
- ▶ RADM Matt Klunder, *Chief of Naval Research*
- ▶ Dr. John D. Burrow, *Executive Director, Marine Corps Systems Command*

4:15pm - 5:15pm **PANEL: INTERNATIONAL PERSPECTIVE**

- ▶ Moderated by CAPT James Goudreau, *Director, Navy Energy Coordination Office*
- ▶ MG Peter C. Bayer, USA, *Deputy Chief of Staff, Strategic Plans and Policy, NATO*
- ▶ Commodore Stephen Woodall, *Royal Australian Navy, Naval Attaché, Embassy of Australia*
- ▶ Lt Col Per Lyse Rasmussen, *Assistant Defense, Military, Naval, and Air Attaché, Royal Danish Embassy*

5:15pm - 5:30pm **CLOSING REMARKS**

- ▶ VADM Philip Cullom, *Deputy Chief of Naval Operations for Fleet Readiness and Logistics (OPNAV N4)*

5:30pm - 6:30pm **NETWORKING - VISIT DISPLAYS**
