National Strategy and Coast Guard Strategy

- Operational realities & geo-strategic trends driving strategic thought and deliberation

- 2009 President Bush signed U.S. Arctic Policy, NSPD 66

- 2012 NSS developed *National Strategy for the Arctic Region.*
  - Advance U.S. Security Interest,
  - Pursue Responsible Arctic Region Stewardship,
  - Strengthen International Cooperation.

- 2013 CG’s strategy provides increased specifics.
  - Improving Awareness
  - Modernizing Governance
  - Broadening Partnerships
Polar Icebreaker Operating Areas

Arctic

Antarctica

McMurdo Station

South Atlantic Ocean

South America

Southern Ocean

South Pacific Ocean

Antarctica

South Africa

SOUTH AFRICA

Prince Edward Islands

Crozet Islands

Heard Island and McDonald Islands

Kerguelen Islands

South Georgia and South Sandwich Islands

South Orkney Islands

South Shetland Islands

Falkland Islands

Graham Land

Weddell Sea

Ronne ice shelf

South Pole

Antarctic ice shelf

Queen Maud Land

McMurdo Station

Victoria Land

Ross Ice Shelf

Ross Sea

Weddell Sea

Southern Ocean

South Pacific Ocean

Antarctica
High Latitude Missions

• The Coast Guard has 9 general missions in the High Latitudes:
  • Search and Rescue
  • Marine Safety
  • Aids to Navigation
  • Ice Operations (includes interagency and science support)
  • Marine Environmental Protection
  • Living Marine Resources
  • Other Law Enforcement (protect EEZ)
  • Ports, Waterways and Coastal Security
  • Defense Readiness

Polar Icebreakers support *all* of these missions!
USCGC HEALY
Principal U.S. Arctic operations platform

- 2013 Arctic deployment
  - Arctic Shield 2013 - USCG/NOAA
    Small UAV testing /oil detection
  - NSF Science Support

- 2014 Arctic schedule in development
  - Under-Ice Algae Bloom
  - CG Arctic Shield operations
  - North Slope Mooring Mission
USCGC POLAR STAR

• Service Life Extension 7-10 years complete
  • 2010-2013; $65M

• Successful summer ice training and Arctic Shield operations.

• Currently in Antarctic for Operation Deep Freeze (ODF)
  • ODF is the annual sealift re-supply (cargo, fuel) for McMurdo Station
USCGC POLAR SEA

- Business Case Analysis submitted to Congress
  - costs of reactivating
  - 7-10 year operational costs
- Decisions on further action under consideration
New (USCG/National) Polar Icebreaker

- Developing interagency icebreaker operational requirements that will serve US Government missions in the Polar regions
  - High Latitude Study July 2010
  - Mission Analysis Requirements (MAR) Jan 2012
  - Mission Needs Study (MNS) June 2013
  - Concept of Operations (CONOPS) Sept 2013
  - Preliminary Operational Requirements Document (PORD) May 2014
  - Operational Requirements Document (ORD): March 2015
  - Further milestones to be determined

- Participation from
  - State Dept, NSF, DOD, DOT, Navy, others