

Maritime Administration (MARAD)

Marine Board Meeting June 9, 2016



Environment



Security



Safety



Todd Ripley
Todd.Ripley@dot.gov; 202-366-2625



Discussion Outline

- DOT Initiatives/Activities
- MARAD Initiatives/Activities
- MARAD, Maritime Environmental and Technical Assistance (META) Program



DOT Initiatives/Activities

- UTC Grant Solicitation - Target selection date is end of September
- 30-Year Freight Projections released (w/FHWA)
 - Freight tons will grow 40 percent in the next three decades
 - Value of freight will almost double, increase by 92 percent
 - Based on latest FHWA/BTS Freight Analysis Framework
- Interim Nat'l Multimodal Freight Network Map
 - BTS portion of Departmental effort
 - Includes National Highway Freight Network, Class I railroads, major public ports, inland/intra-coastal waterways, Great Lakes/St. Lawrence Seaway, top 50 U.S. airports, “other strategic freight assets”
- Port Performance Working Group call for nominations released
- Freight Facts and Figures 2015 published
- Five-Year DOT Research, Development and Technology Strategic Plan



For More Information . . .

- UTC Grant Solicitation:
 - http://www.rita.dot.gov/utc/press_releases/dot020_16
- 30-Year Freight Projections:
 - http://www.rita.dot.gov/bts/press_releases/bts013_16
- National Highway Freight Network:
 - <http://ops.fhwa.dot.gov/freight/infrastructure/nfn/index.htm>
- Port Performance Working Group:
 - http://www.rita.dot.gov/bts/press_releases/dot015_16
- Freight Facts and Figures 2015:
 - http://www.rita.dot.gov/bts/press_releases/dot005_16



MARAD Initiatives/Activities

- National Maritime Strategy
- Panama Canal Expansion Study
- MARAD Modal Research Plan (2017-2018)
- ASTM International Standards Development Initiatives
Committee on Ships and Marine Technology (F25)
 - Flange Standards for Cryogenic Service
 - Hose Assemblies for Cryogenic Service
 - Type C Portable Tanks for Cryogenic Service



MARAD Initiatives/Activities

- Maritime Environmental and Technical Assistance (META) Program
 - Ballast Water/Hull Fouling – Aquatic Invasive Species Mitigation
 - Vessel and Port Air Emissions Reduction
 - Alternative Fuels
 - Bio fuels
 - Liquid Natural Gas (LNG)
 - Alternative Energy Technology
 - Hydrogen Fuel Cells
 - Ship Energy Efficiency Study with SOCP
 - Exhaust Gas Treatment Technology
 - Two Exhaust Gas Scrubber Technology Assessments with SOCP
 - Emissions Modeling and Arctic Research
 - Establishing baseline for marine vessels Black Carbon stack emissions in an effort to evaluate the effects of emissions reduction technologies



Ballast Water Technology Testing





Thank You!

Todd Ripley

Maritime Administration, Office of Safety

Email: todd.ripley@dot.gov

Phone: 202-366-2625