



U.S. DEPARTMENT OF TRANSPORTATION – MARITIME ADMINISTRATION

MARITIME ADMINISTRATION

Office Of Environment

AAPA – Energy and Environment Seminar
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Sustainable Goods Movement at DOT

➤ **National Freight Policy Effort**

- * Multimodal considerations/planning
- * Climate Adaptation and Climate Change
 - Gulf Coast Infrastructure Study
 - Adaptation considerations in port and terminal infrastructure (grants/assistance)

➤ **MARAD National Maritime Strategy**

- * 2 Symposiums
- * Target Date December 2014/January

OFFICE OF ENVIRONMENT

❖ Two primary missions

➤ **MARAD Environmental Compliance**

- ✓ Agency Green Programs/Sustainability
- ✓ Ship and facility operational compliance
- ✓ National Environmental Policy Act (NEPA)

➤ **Maritime industry stakeholder assistance**

- ✓ Vessel owners and operators
- ✓ Port, shipyards
- ✓ Federal, state environmental regulatory and resource agencies
- ✓ Public

MARAD does not regulate environment

MARAD Programs Related to Sustainable Freight Movement

- Office of Intermodal System Development
 - America's Marine Highway Program
 - Port and Intermodal Infrastructure
- Office of Environment
 - Maritime Environmental and Technology Assistance (META)

Office of Environment – Sustainable Freight Movement Projects

- * TEAMS – total energy and emissions analysis of marine systems (well to hull model - offshoot of GREET – adds maritime component)
- * GIFT/WebGift (<http://webgift.rit.edu>)
 - * <https://www.youtube.com/watch?v=xGaPA-ILDic>
- * Corridor congestion case studies (infrastructure congestion points)

META Initiative

❖ Maritime Environment and Technology Assistance (META) Initiative

- Stimulate technology advances for improved sustainability
- Address critical marine transportation environmental issues
 - ❖ Non-indigenous aquatic species (ballast water management technologies, underwater hull husbandry)
 - ❖ Port and vessel air emissions and energy
 - ❖ Energy efficiency and conservation
- **Collaborative** effort among Federal agencies, academia, industry and public stakeholders
 - \$3-4M per year since 2010 – leveraged over \$17M from Federal partners and more from the private sector.

THANK YOU

Contact

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