

Maritime Administration (MARAD)

Marine Board Meeting November 19, 2024



Environment



Security



Safety



Office of Safety, MAR-430





MARAD/DOT Update

- Bipartisan Infrastructure Law (BIL)
 - BIL has provided over \$480 billion in funding to states, Tribes, territories and local governments encompassing over 60,000 projects.
 - Under BIL Federal Highway Administration (FHWA) announced \$62 billion in FY 2025 funding for 12 formula programs that invest in the nation's infrastructure
 - Administration provided \$7.2 billion in [Rebuilding American Infrastructure with Sustainability and Equity \(RAISE\) grants](#) for 550 projects.
 - In 2024 \$1.8 billion in RAISE grants were awarded for 48 projects.
 - The administrations has awarded nearly \$12.8 Billion in funding through the [Infrastructure for Rebuilding America \(INFRA\)](#) and [National Infrastructure Project Assistance \(Mega\)](#) Grant Programs that support 140 projects across 42 states
 - [In 2024 \\$4.2 Billion](#) in INFRA and Mega INFRA grants were awarded in support of 44 projects.



MARAD/DOT Update

- Emergency Relief Response Efforts and Other Support
 - Federal Highway Administration (FHWA) made immediately available \$100 million in Emergency Relief funds for the North Carolina DOT
 - FHWA releases \$32 million in Emergency Relief funds for Tennessee DOT
 - FHWA releases \$2 million in Emergency Relief funds to South Carolina DOT
- Other Supply Chain Actions
 - DOT announced expansion of the [Freight Logistics Optimization Works \(FLOW\)](#) initiative, to include the five largest container ports on the West Coast.
 - In response to the Francis Scott Key Bridge Collapse, DOT used infrastructure funding to expand capacity for additional cargo at Tradeport Atlantic and used FLOW to improve visibility for re-routed freight to other East Coast ports.
 - [DOT awarded \\$7 million for Complementary Positioning, Navigation and Timing Technologies](#) to nine vendors
 - [DOT Complementary PNT Action Plan](#)



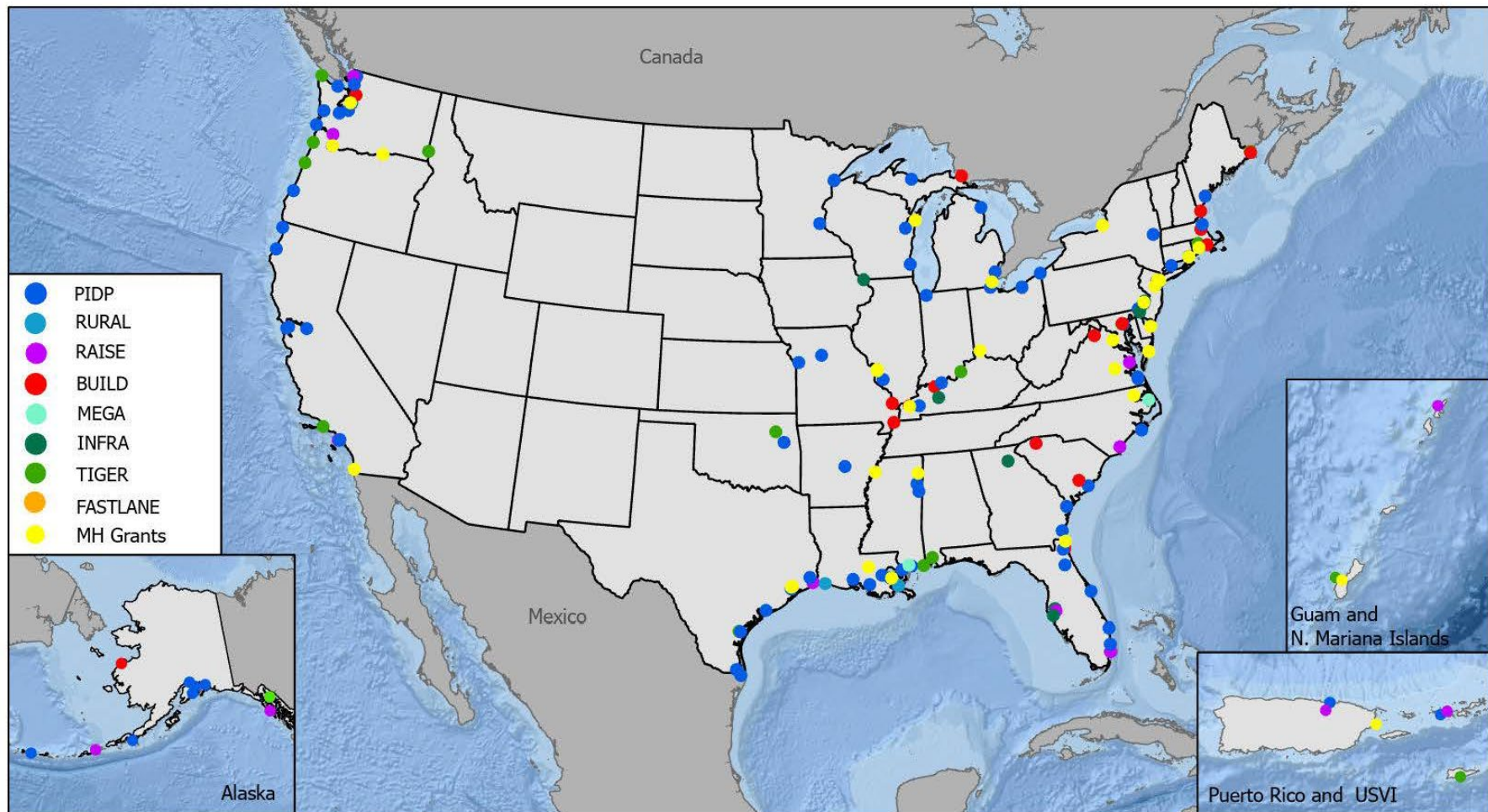
MARAD/DOT Update

- Modernizing Ferry Service and Connect Rural Communities
 - [DOT Federal Transit Administration \(FTA\) in 2024 awarded nearly \\$300 million under the Ferry Grant Program from BIL to expand & modernize ferry systems](#)
 - This included 18 grants for projects in 14 states to support projects for:
 - Replacing old vessels
 - Expanding fleets
 - Building new terminals and docks
 - Support vessel and facility electrification
 - Support vessel technologies that reduce greenhouse gas pollution



MARAD/DOT Update

- MARAD Programs and Initiatives:
 - [United States Marine Highway Program \(USMHP\)](#)
 - Awarded more than \$96.5 million through competitive grants since program inception
 - Announced NOFO making \$4,850,000 available in FY 2024 for USMHP
 - Currently includes 31 “Marine Highway Routes” that serve support surface transportation
 - [Port Infrastructure Development Program \(PDIP\)](#)
 - The Bipartisan Infrastructure Law (BIL) provided \$2.25 billion over five years (2022-2026)
 - \$450,000,000 made available in fiscal year 2024
 - FY24 Appropriations Act provided \$50 million in additional funding
 - Total \$500 million in funding for awarded in FY 2024
 - [Small Shipyard Grant Program](#)
 - Announced \$8.75 million in grants for 2024 to 15 small shipyards in 12 states
 - Help awardees modernize to increase productivity
 - Expand local employment opportunities while competing in the global marketplace

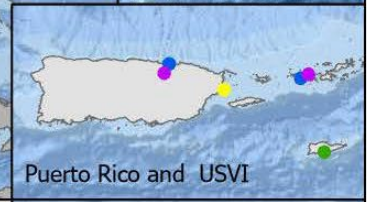


Maritime Grant Awards

Source: MARAD Office of Policy and Plans, MARAD Office of Port Infrastructure Development.

**Includes awards made through the following U.S. DOT grant programs:
PIDP, INFRA, RAISE, MEGA, RURAL, and the Marine Highway Grant Program.**

FY2010-
2022





MARAD Update

- MARAD Programs and Initiatives
 - [Every Mariner Builds A Respectful Culture \(EMBARC\)](#) codified in the 2021 National Defense Authorization Act (NDAA)
 - All major US-flag commercial operators are now enrolled in the EMBARC program
 - USMMA and State Maritime Academy (SMA) cadets can earn sea-time on board 180+ commercial ships
 - Enrolled operators undergo random assessments from MARAD ISM Code certified staff
 - EMBARC Interim Final Rule (IFR) in inter-agency clearance coordinated by Office of Management and Budget (OMB)/Office of Information and Regulatory Affairs (OIRA)
 - [Mariner Workforce Strategic Plan](#) released in early 2024 to address:
 - Merchant mariner recruitment
 - merchant mariner training
 - merchant mariner retention
 - Demonstration and Research priorities that address the above
 - Student Incentive Payment (SIP) funds for SMA cadets doubled to \$64K per FY2024 NDAA with no matching appropriations in 2024, but MARAD provided funding
 - Maritime Administrator chairs the Maritime Workforce Working Group (MWWG) monthly meetings per FY2024 NDAA; Final Report to Congress target release Dec. 2024
 - [Ship Operations Cooperative Program \(SOCP\) Releases Updated Sexual Assault Sexual Harassment \(SASH\) Best Practices Guide and SASH Contact Training Course](#)



MARAD Update

- National Security Multi-Mission Vessels (NSMVs)
 - Purpose
 - Recapitalization of the Training Ship Fleet
 - Humanitarian Assistance/Disaster Relief
 - Provide modern, reliable state-of-the-art training for America's future mariners
 - Benefit US maritime industrial base with first purpose-built training vessels
 - Meet Safety of Life at Sea (SOLAS) & EPA Tier 4 emissions standards
 - Program Schedule
 - 8 September 2023 NSMV I delivered to SUNY Maritime College
 - Conducted first training cruise in March-April 2024
 - Currently in Reduced Operating Status (ROS) 5
 - 26 September 2024 NSMV II delivered to MARAD
 - 11 October Custody transfer to MASS Maritime
 - Winter cruise scheduled for January 2025
 - NSMV III to be delivered to Maine Maritime Academy June 2025
 - NSMV IV (Texas A&M Maritime Academy) and V (California State University Maritime), to each follow about 9 Months apart



MARAD Update

MARAD Programs and Initiatives

- Maritime Environmental and Technical Assistance (META) Program
 - Additional statutory language added in 2022 to investigate vessel-generated underwater noise
 - Portfolio now includes:
 - Port/Vessel Air Emissions/GHG/Decarbonization
 - Aquatic Nuisance Species (BW/Hull Fouling)
 - Vessel-generated Underwater Noise
 - Safety
 - Additional statutory language in 2023 includes standing up the U.S. Center for Maritime Innovation under META
 - MARAD partnered with ABS to serve as the Center “Secretariat”
 - Center will be comprised of industry, academia, other agencies, NGOs, National Labs
 - Research should begin within 6 months
 - META still actively supports various USG maritime environmental policy efforts
 - Technical advisors to several US Delegation to IMO on several working groups
 - Partner agency on the Green Shipping portion of the Ocean Climate Action Plan
 - Partner with DOE on the Mission Innovation Zero Emission Shipping Mission
 - Partner agency on Green Corridors

Contact – Daniel Yuska, Daniel.Yuska@dot.gov



MARAD Update

- [SafeMTS Program](#) (Near Miss/Close Calls System)
 - SafeMTS: A voluntary, confidential, non-punitive program aimed at collecting, analyzing, and benchmarking near miss data from the maritime industry to advance safety and environmental stewardship
 - Addressing Impediments:
 - Data Protections - Data and information protections through [Confidential Information Protection and Statistical Efficiency Act, \(CIPSEA\)](#)
 - Sponsorship - Partnership between DOT's [MARAD](#) and [Bureau of Transportation Statistics \(BTS\)](#) to sponsor the SafeMTS Pilot Demonstration
 - Industry collaborative partnership and buy-in for conducting the SafeMTS Pilot
 - SafeMTS Pilot 2022/2023:
 - Seven companies provided near miss safety data, mostly exports from safety systems
 - Subject Matter Experts (SME's) leveraged data to develop critical field & attribute key
 - Data was mapped into SafeMTS data base, processed, and output analyzed
 - Processes developed for onboarding partners, collecting and processing data, reviewing and assessing output, and sharing safety results
 - [SafeMTS Pilot Near Miss Report](#) was produced and published in early 2024



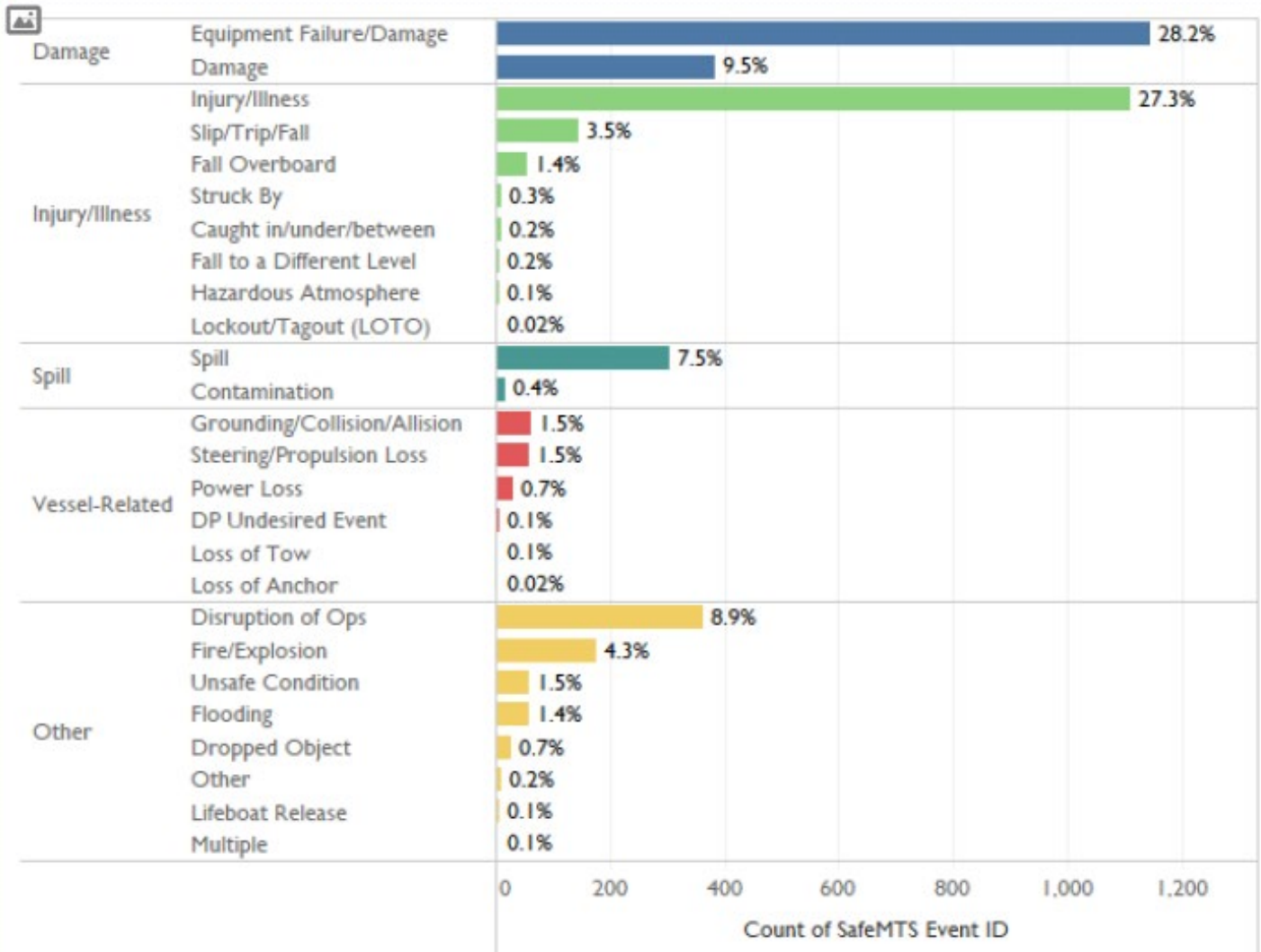
Damage

Injury/Illness

Spill

Vessel-Relat

Other





MARAD/DOT Update

- SafeMTS Pilot Program (Near Miss/Close Calls System)
 - SafeMTS Resources:
 - [SafeMTS Website](#) - Secure Data Portal, Database, Dashboards
 - SafeMTS New Participant Welcome Kit - Data Key, Narrative Guidance, MOA
 - Communication Materials - SafeMTS PowerPoint, SafeMTS One Pager
 - System Administrations (BTS); Partnering & Outreach (MARAD) and SME Support
 - ASTM F3265, Standard Guide for Recording, Reporting, and Analyzing Near-Miss Events to Improve Safety Across the Maritime Industry
 - Sections include - Terminology, Data Collections, Data Analysis, and Safety Learning Products & Lesson Learned Outputs
 - Appendices include - risk assessment resources, sample data keys, sample data collection tools, plus other guidance materials
 - SafeMTS Status:
 - FY 2024 - Established formal SafeMTS Programs continuing with existing partnerships
 - FY 2025 – Secured full program funding, continue system development, and expand partnerships
 - FY 2026 – Budget line items for full program funding, continue system development, and further expand partnerships
 - Reach out if interested in partnering & contribute your Near Miss data: todd.ripley@dot.gov



MARAD/DOT Update

- Events/Activities of Interest:
 - [CMTS/TRB Eighth Biennial Marine Transportation System Innovative Science and Technology \(MIST\) Conference](#)
 - Innovative Science & Technologies to Improve Security & Safety in the MTS
 - June 24-26, 2025 at NASEM facility in Washington, DC
 - Possible Topic Areas:
 - MTS/Climate resilience and adaptation
 - Security, safety, compliance, and resilience with zero & low emission technology
 - Connection and security of data systems
 - Artificial intelligence
 - Enforcement procedures
 - Regulatory environment for security and safety strategies
 - ASTM F25 Workshop on Maritime Cyber Security proposed Cyber Regulations & Compliance Implications (hybris event, in person/virtual)
 - December 12th from 1:00pm to 4:00pm, Renaissance Orlando SeaWorld
 - Cyber Governance Panel Discussion
 - Industry Compliance Implications Panel Discussion



Shameless Plug:

CMTS/TRB Eighth Biennial MTS Innovative Science Conference

**“Innovative Science & Technologies to Improve
Security and Safety in the MTS”**

WHEN: June 14-26, 2025

WHERE: National Academies facility in Washington, DC

Thank You!

Todd Ripley

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202-366-2625