



NYSERDA

Maritime Technical Working Group

Meeting

September 18, 2025 | In-person



Purpose of today's meeting

1. Gain first-hand knowledge of opportunities and constraints at working waterfronts
2. Identify opportunities to enhance industry sustainability and synergies with offshore wind industry
3. Continue exploring key themes including sustainability, technology and innovation, workforce development, and resilient infrastructure



NYSDA

Agenda

11:00 Welcome – *Laura McLean (NYSDOS)*

11:10 M-TWG and Member Updates

11:30 Ports & Supply Chain Programs – *Joel Bernosky (NYSDOS), Amanda Rutherford (MARAD), and Peter Lion (NYSERDA)*

12:10 Lunch (*box lunches provided by NYSERDA*)

1:00 Tour of Working Waterfront - *McAllister Towing and May Ship Repair*

2:55 Next Steps – *Laura McLean (NYSDOS)*

3:00 Adjourn



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M-TWG Updates

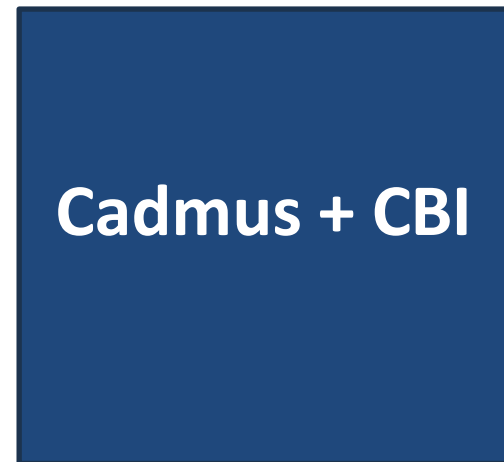
M-TWG 2025 Meeting Plan

Today	Spring/Summer	Fall	Winter
M-TWG workstreams • Outreach & Communication	Working Waterfronts	Working Waterfronts tour	Draft M-TWG study review • Transmission update

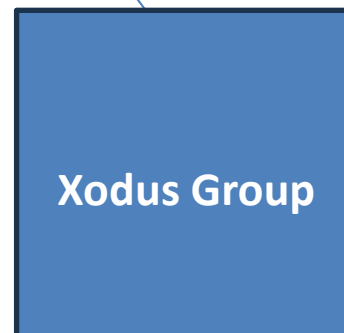
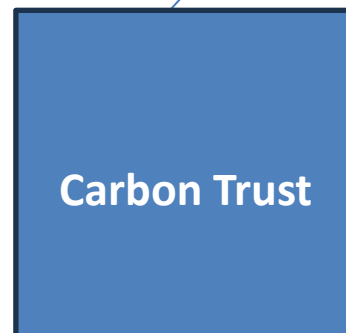
Anticipating the need for continued flexibility

M-TWG Facilitation Team

Core Facilitation:



New Expertise:



Focus Areas

Xodus Group:

- Navigating emerging offshore wind market trends of the U.S.
- Delivering projects around supply chain analysis, market entry, workforce planning and analysis.
- Experience in Massachusetts Offshore wind supply chain assessment and gap analysis.

Carbon Trust:

- Reviews and recommendations on offshore wind markets focusing on policy, technology and innovation, supply chain for fixed and floating foundations.
- Experience in Gulf of Maine Offshore Wind Research Consortium and Cable Burial Risk Assessment

Our Expertise

Focus Industries

Offshore Wind - Fixed

Offshore Wind - Floating

Offshore Energy Integration

Maritime Decarbonisation

Marine Energy

<https://www.carbontrust.com/what-we-do/market-transformation/offshore-wind>

Collaboration

We are global leading experts in delivering large scale RD&D and collaboration programmes, with a track record of delivering real cost reductions .

- Programme Design & Set up
- Programme Management
- Stakeholder Mapping & Engagement
- Capacity Building and Knowledge Management
- Project scoping and building teams
- Deliverable reviews

Research & Insight

Over a decade of experience delivering market insights to international organisations to aid in their market & industry knowledge, analysis and feed into strategic expansion plans.

- Market Insight
- Policy, Technology, Strategy & Innovation Review
- Energy Systems & Future Energy Analysis
- Environmental & Social Analysis
- LCOE Modelling for Innovation
- Infrastructure and Logistical Reviews

Strategic Advice

We provide strategic policy and market support, cost reduction and economic development, and deliver insights into technology and industry progress to help understand market gaps and evaluate solutions.

- Innovation Needs Assessment
- Technology Guidance
- Policy Design & Recommendations
- Supply Chain Enablement
- Skills & Workforce Development
- Site Selection, Auction and Subsidy Support
- Scenario Planning
- Framework development on the societal effects of transition



Maritime Expertise

- Xodus provides several services focused on the maritime space, including:
 - GIS mapping of spatial trends in vessel movements
 - Cable routing studies and Cable Burial Risk Assessments (CBRAs)
 - Oil Spill Response Plans (OSRPs) and dispersion modelling
 - ID and assessment of other ocean users across regions
- GIS mapping and cable routing/CBRA studies are particular strengths, and we have a number of skilled experts on our teams.
- Relevant case studies include:
 - Co-author of the CBRA Methodology Guidance published by Carbon Trust
 - Multiple GIS-based site assessment scopes for US offshore wind developers
 - Multiple cable routing and CBRA scopes for US offshore wind developers

Update on the Autonomous Vessel Uses in Offshore Wind Study September 2025

Study on Autonomous Vessel Usage for Offshore Wind in New York

Progress Update



Source: Fugro GAO-24-107059

June 2025 Meeting:

- Presented Case Studies
 - 1: Sea Machines
 - 2: Fugro
 - 3: Ocean Infinity
 - 4: XOCEAN

September 2025 Updates:

- Request M-TWG comments on Case Studies by Sept 25
- Completed Stakeholder Interviews
- Technical memo on Opportunities and Constraints in progress

Looking Ahead:

- Draft Report for M-TWG review in October
- M-TWG meeting in November
- Final Report in December

Member Updates



BLUEPOINT
WIND

Bluepoint Wind Project Presentation

NYSERDA – Maritime Technical Working Group

Tim Brown, Marine Affairs Manager, timothy.brown@oceanwinds.com
September 18, 2025

Bluepoint Wind by the Numbers: 71,522 acres, average depth 54.5 meters, 38 nautical miles (NM) south of Long Island, New York and 53 NM east of New Jersey.

Recent Progress & Year Ahead:

- ✓ Construction and Operations Plan (COP) submitted for Project 1 in Q4 2024.
- ✓ Project 1 is 42k acres in the shallower western portion of our lease area, has options for cable landings in both NY and NJ, and has an anticipated capacity of up to 1.2 gigawatts.
- ❖ We are responding to federal agency feedback as they review the COP
- ❖ We remain engaged with regional stakeholders and market to advance project goals.



Working Waterfront Themes

Working Waterfront Themes

- Sustainable working waterfronts
 - Explore how shipyards and port facilities balance industrial activity with environmental stewardship and climate resilience
- Technology & innovation
 - Highlight advancements in vessel design, automation, and digital infrastructure that shape the future of maritime operations.
- Workforce development
 - Explore the current and future workforce needs of the maritime industry, including skills gaps and opportunities for career pathways.
 - Discuss partnerships with trade schools, unions, and workforce programs.
- Resilience and Infrastructure Investment
 - Explore the role of shipyards in regional infrastructure and how investments can enhance climate and economic resilience.

Ports & Supply Chain Programs



U.S. Department of Transportation

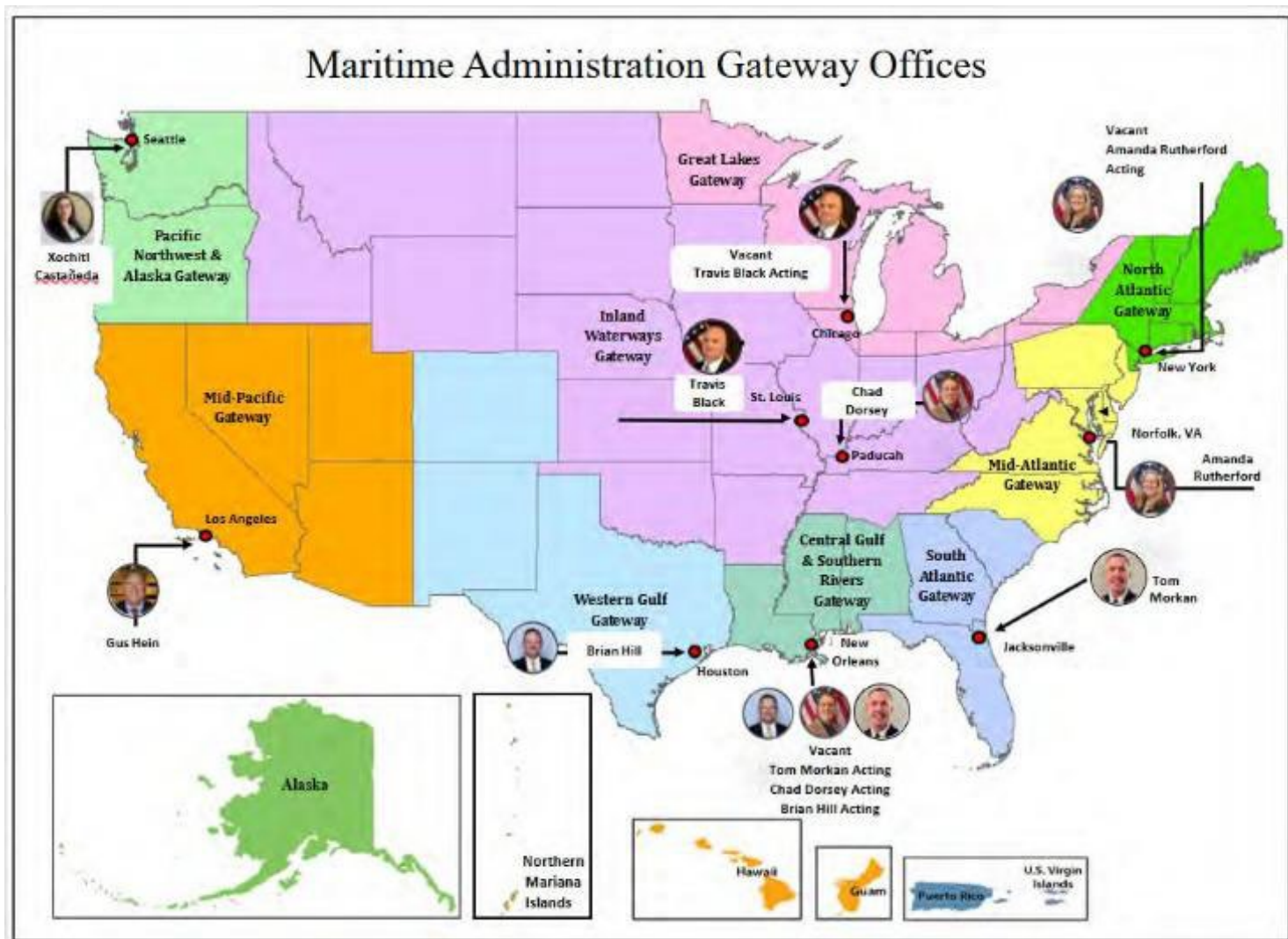
Maritime Administration

Grants Discussion

September 18, 2025



Gateways Directors – one-person outreach offices





Primary Responsibilities of the Gateway Director

Project Development/Grant Assistance

Develop projects in the region that promote overall economic growth, mitigate highway and port congestion, environmental compliance, and support both large and small American shipbuilding companies.

Intermodal Outreach

Outreach and engagement with Port Authorities, Terminal Operators, Carriers, Rail, Private Sector, local, state and federal partners, etc.

Maritime Security

Participate in Area Maritime Security Committee and Port Readiness Committee meetings held by USCG

Emergency Preparedness

Engage on federal maritime emergency preparedness issues in the region.

Strategic Seaports

Assess the readiness of our Strategic Commercial Seaports

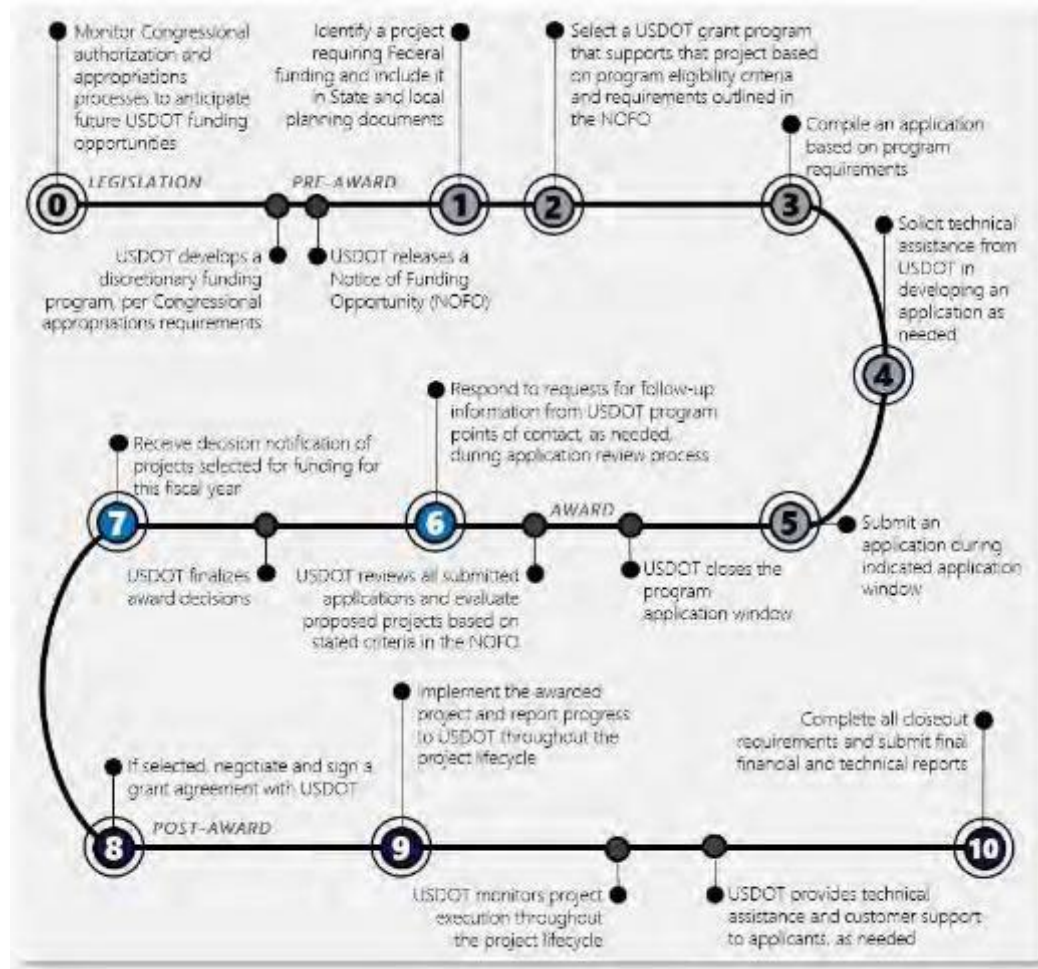
Supply Chain Resiliency

Report supply chain impacts and port closures in times of emergency



APPLICANT ROADMAP KEY

■ Legislation ■ Pre-Award ■ Award ■ Post-Award ① Applicant Activities ● USDOT Activities



If you need the \$ today, then it's a bit too late to start.

Look at least 2-3 years out in your funding needs.



General Conditions for Grant Applicants!

Eligible Applicants – for most USDOT grants

- State and/or local governments (cities/counties)
- MPOs/Planning Councils
- Port authorities;
- Tribes
- A collaboration of such entities.
- ***Private sector can receive grants, with a public sponsor!***

Eligible Projects – general list

- Infrastructure inside & outside of the terminal gates that improve efficiency of freight
- Loading and unloading of goods; Movement of goods into, out of, around, or within a port, such as for highway or rail infrastructure, intermodal facilities, freight intelligent transportation systems, and digital infrastructure systems; Operational improvements, including projects to improve port resilience; or Environmental and emissions mitigation measures

Important Requirements

- Match/Federal Share - Most grants require a 20% match from the applicant (80% federal share) – consider putting in more \$
- NEPA – Must be complete before the Grant Agreement is signed
- Buy America/Buy American – Required for all grants



U.S. Department of Transportation
Maritime Administration

What's Possible?





- [MEGA/INFRA/RURAL](#) FY2025 and FY2026 funding: INFRA: \$2.7 billion, Mega: \$1.7 billion, Rural: \$780 million
- [BUILD Program Website](#) FY2025 \$1.5 billion
- [Port Infrastructure Development Program \(PIDP\)](#) FY2025 \$500M
- [FEMA Port Security Grants](#) FY2025 \$90 million
- [US Marine Highway Grants](#) FY2025 \$14 million
- [Small Shipyard Grants](#) FY2025 \$8.7 million



Innovative Finance and Asset Concession Grant Program

- \$45.98 Million Now Available – Applications Due October 1, 2025

[Notice of Funding Opportunity](#) (NOFO) for the Innovative Finance and Asset Concession Grant Program (IFAC) making up to \$45.98 million available to help public entities scan their existing assets to unlock their value and explore innovative financing, alternative delivery, and public-private partnership opportunities. Grants up to \$2 million are available, with the first million requiring no local match.

Two types of grants are available under the program: Technical Assistance Grants and Expert Services Grants. Applicants can apply for either type of grant but must choose one for this round of funding.

Applications must be submitted through [grants.gov](https://www.grants.gov), and are due October 1, 2025, at 11:59 p.m. ET.



U.S. Marine Highway Program [Link](#)

- Through the development and promotion of marine highway transportation, the program aims to relieve landside congestion and generate other public benefits by increasing the efficiency of the surface transportation system.





[Link to all maritime grants](#) listed in USDOT's Dashboard

[Link to Committee on the Marine Transportation System grants](#)

[Build America Bureau](#) – innovative financing!

Eligible project borrowers include state and local governments, transit agencies, railroad companies, special authorities, special districts, joint ventures, public-private partnerships, and private entities.

[Capital Construction Fund](#)

The program encourages construction, reconstruction, or acquisition of vessels through the deferment of Federal income taxes on certain deposits of money or other property placed into a CCF.

[Federal Ship Financing Program \(Title XI\)](#)

Loan Program encourages U.S. shipowners to obtain new vessels and recondition existing vessels with U.S. shipyards cost effectively. It also assists U.S. shipyards with modernizing, their facilities for building and repairing vessels. The repayment term allowed under the program generally is much longer with a higher funding level and lower interest rates than those available from the commercial lending market.



TIER This tier of review assessed the Statutory merit criteria of:

- Achieving Safety, Efficiency, or Reliability Improvements;
- Port Resilience;
- Leveraging Federal Funding

TIER 2 This tier focuses on Administration's priorities

- Workforce Development and Job Quality
- Port Resilience
- Project Readiness
- Technical Capacity
- NEPA Process and Permitting Risk



1. The Federal Funding Handbook – developed by the Committee on Marine Transportation Systems (CMTS) <https://rosap.ntl.bts.gov/view/dot/73618>
2. DOT Navigator <https://www.transportation.gov/dot-navigator>
3. DOT Routes Program <https://www.transportation.gov/rural>
4. Port Toolkit developed (AAPA And MARAD -[AAPA & MARAD Complete Final Two Modules of Port Planning and Investment Toolkit](#))



5. [Playbook for Strengthening Cybersecurity in Federal Grant Programs for Critical Infrastructure](#)
 - Recommended actions to incorporate cybersecurity into grant programs throughout the grant management lifecycle.
 - Model language for grant program managers and sub-awarding organizations to incorporate into Notices of Funding Opportunity (NOFOs) and Terms & Conditions.
 - Templates for recipients to leverage when developing a Cyber Risk Assessment and Project Cybersecurity Plan.
 - Comprehensive list of cybersecurity resources available to support grant recipient project execution.
6. [Link to USDOT Grant Dashboard](#) Searchable database to find Federal Grant opportunities, mostly USDOT grants.
7. Applications online that were part of a FOIA – [Link](#)



U.S. Department of Transportation

Maritime Administration

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*Please reach out to me if you want some tips &
tricks or to brainstorm ideas!*

NYSERDA Updates

NYSERDA Updates: MTWG Meeting September 2025

- NY5 OREC procurements
- NY4 Project Update
- South Brooklyn Marine Terminal
- Project Vessels

Contact:
peter.lion@nyserda.ny.gov



A Growing American Fleet

- Great Lakes Dredge & Dock – Scour Protection (\$200+MM)
- Crowley – Near Shore Cable Installation Barge
- Edison Chouest – 2 x Feeder Tug
- Edison Chouest - 2 x Feeder Barge
- Patriot Offshore Maritime – CTV (Average cost is \$12MM)
- Windserve Marine – CTV (Average cost is \$12MM)
- Empire Wind – SOV (262' x 62')
- Sunrise Wind – SOV (\$194MM)



A Growing American Fleet

Crew transfer vessels

Transporting wind technicians and personnel to offshore project sites

\$216.3M

Service operations vessels

Serving as floating bases for long-term operations and maintenance activity

\$194.1M

Barge/tug

Transporting and installing bulky offshore wind components

\$152.5M

Safety vessels

Ensuring safety during construction, operations, and maintenance

\$63.8M

Jack up vessels

Providing stable bases for offshore installation and maintenance

\$24.4M

Subsea rock installation vessels

Installing protective rock around offshore foundations

\$22.3M

Platform supply vessels

Supporting transportation of supplies and equipment to offshore platforms

\$22M

33 U.S.-flagged vessels directly chartered

And ~200 additional U.S.-flagged vessels through subcontracted service agreements

\$695.4M
invested

Procurement – Vestas Pre-Installation – 2026 Operations

Contact – Thomas Kropp - thask@vestas.com

- Fuel for cranes and forklifts – ability to pump fuel to crane platform
- Metal fabrications such as large tools (blade rack storage)
- Leased electric golf carts and charging stations
- Hand tools and tool calibration, testing and measurement
- Hydraulic tools, hoses, equipment
- Tool repair: pumps, hand tools, hydraulic motors, electronic pitch systems and more
- Temporary fencing
- Scaffolding/stairs for tower access
- Welfare facilities and canteen area
- Temporary barriers, signage, chains, cones tape, etc.
- Timber or steel mats for bearing capacity
- Fiber reinforced concrete for tower stands
- Bonded warehouses and trucking services, general warehousing/storage near port, 9-12 months, 5 – 10 ksf
- Transportation services with TWIC
- On and offshore internet supplier
- Radio communications – handheld and vessel-mounted radios
- Construction-grade sand
- Office equipment, suppliers, furniture, telecom
- General PPE
- Packing materials – bubble wrap, boxes, tape, etc.
- Temporary generators (rental, electric if possible)
- Movable light stands
- Shipping containers
- Catering: 2-3 times/month, 2-shifts, 50 people/shift

OSW Operations & Maintenance

20 to 25-year design life | ~\$130MM annually in O&M expenses

The operations and maintenance (O&M) phase commences immediately after commissioning and continues for the full 20–25 year design life of a wind farm. During this period, O&M represents one of the largest and most stable sources of economic value in the project lifecycle.

O&M activities are diverse but fall into several recurring categories:

- **Monitoring & Control:** 24/7 remote supervision from onshore control centers, with data analytics and digital twin tools increasingly guiding predictive maintenance.
- **Scheduled Maintenance:** Routine inspections and servicing of turbines, substations, cables, and foundations.
- **Corrective Maintenance:** Unplanned repairs, component replacements, and fault response.
- **Logistics & Access:** Deployment of crew transfer vessels (CTVs), service operation vessels (SOVs), helicopters, and offshore bases.
- **Workforce Requirements:** Highly skilled offshore technicians supported by onshore engineers, planners, and supply chain specialists.

O&M Phase Discovery Sheet

- **Current & Future Value**
- **Duration**
- **Contracting Arrangements**
- **Major & Minor Scopes of Work**
- **Localization of Services**
- **Best Practices for Success**

What are we missing

IMCA North America Offshore Safety Forum: US Offshore Wind

October 14, 2025 – 171 53rd St, Brooklyn, NY 11232, United States

Notice: This event is open to Non-Members. Please use your email address to sign up to the registration portal.

Programme highlights:

- Welcome and opening remarks: discover IMCA's role in advancing offshore safety and the Forum's objectives in promoting best practice industry guidance,
- Keynote address: Insights from Georges Sassine, Senior Vice President at the New York State Energy Research and Development Authority (NYSERDA),
- Panel: Safety in offshore wind operations – case studies covering vessel operations, electrical systems, and subsea activities,
- Managing technical risk offshore – Focus on dynamic positioning (DP), vessel inspection, and managing pressurized systems,
- Networking lunch – Connect with fellow professionals and industry stakeholders,
- Interactive safety workshop – Targeting industry needs through practical safety guidance (electrical practices, DP assurance, hose and pressure management),
- Developing safety guidance – collaborative session to shape future standards and commitments.

Upcoming Events

- [Wind-Win Startup Showdown](#)
 - September 4, 2025 from 6:00 – 8:30 pm - New York Public Radio in NYC
- [STATEN ISLAND INDUSTRIAL ALLIANCE & SIEDC - Transportation Summit 2025](#)
 - September 19, 2025 from 9:00 – 3:00 pm - College of Staten Island
- [Offshore Wind Transmission](#)
 - September 25 - 26, 2025 - 85 W Street At Albany St, New York, NY 10006
- [Marine Technology Society – TECH SURGE](#)
 - October 8 – 9, 2025 - University of Rhode Island – Bay Campus (Narragansett, RI)
- [IMCA North America Offshore Safety Forum: US Offshore Wind](#)
 - October 14, 2025 – 171 53rd St, Brooklyn, NY 11232, United States
- [New York State Offshore Wind Academic Symposium \(NYSERDA\)](#)
 - October 15, 2025 – One Liberty St, New York

Lunch Break

Tour of Working Waterfronts

Site Visit #1 McAllister Towing

McAllister Towing (1:30pm-2:15pm)

McAllister Towing operates a fleet of more than 60 tugboats, crew boats, and barges in 13 locations along the U.S. East Coast from Eastport, ME to San Juan, PR. McAllister is engaged in ship docking, general harbor towing, coastal towing, windfarm support, and bulk transportation. McAllister Towing continues to actively support offshore wind construction and operations.



Directions and Entry Instructions:

Address: 3165 Richmond Terrace Staten Island, NY 10303

M-TWG members will follow directions to the address above. (Est. Time 22 minutes)

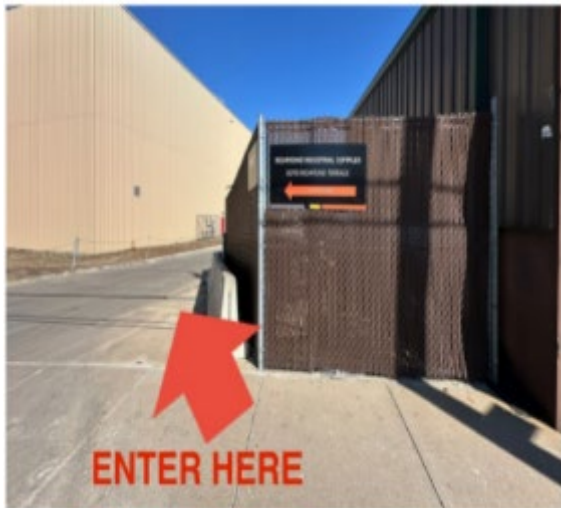
Pull up to the gate at McAllister towing. Wait for a representative from McAllister Towing to open the gate and let vehicles in. Parking will be just ahead.



Site Visit #2: May Ship Repair

May Ship Repair (2:30-3:00pm)

May Ship Repair is a ship building and drydocking facility providing quality designs, new construction, and a variety of vessel repairs. May Ship Repair is a major contributor to New York's bustling maritime industry and actively invests in innovative technologies and creating workforce opportunities.



Directions and Entry Instructions:

Address: 3075 Richmond Terrace, Staten Island, NY 10303

Directions from McAllister Towing: Head northwest towards Richmond Terrace. Turn left onto Richmond Terrace. Turn left onto Andros Avenue (Est. Time: 2 minutes).

Parking Instructions: Free parking is available in the parking lot surrounding the building. Then proceed to the May Ship Conference room as we wait for the tour to begin.



The M-TWG meeting will conclude at May Ship Repair to allow for boarding for the Staten Island Industrial Alliance's Pre-Summit Industry Boat Mixer at 3:30pm.



NYSERDA

Thank you!

