

New York State Maritime Technical Working Group (M-TWG)
Meeting Summary
March 23, 2022

Next Steps

- **M-TWG members:**
 - Send any contact info updates to Deb Perry (debra.perry@cadmusgroup.com)
 - Contact Jessica Dealy (jessica.dealy@nyserda.ny.gov) if you have suggestions for potential Jobs and Supply Chain TWG (JSC-TWG) members
- **Planning Team**
 - Plan spring M-TWG meeting (date TBD)
- **DOS**
 - Share details related to the Public Service Commission's Public Statement Hearings for the Empire Wind 1 transmission cable in NYS waters on April 4th.

Meeting Purpose

Share updates on recent state and federal announcements, share findings from final PARS reports, and identify opportunities for coordination with the Jobs & Supply Chain TWG.

Summary

M-TWG Business

Ona summarized member feedback from check-in calls held over the winter. Laura shared the meeting outlook for this year and briefed members on COWI's technical support contract to: (1) develop an anchorage area assessment that evaluates informally used anchorage areas and (2) analyze loss of propulsion and steering data to/from Harbor approaches.

State Updates

Sherryll Huber, NYSERDA, summarized current State goals and work underway at NYSERDA:

- As highlighted in Governor Hochul's 2022 State of the State, there will be \$500M in investment in Offshore Wind (OSW) manufacturing and supply chain.
- The 3rd OSW solicitation will be later this year and is expected to procure at least 2 gigawatts (GW). The "NY3" OSW draft solicitation draft was released on March 11th, a webinar was held March 15th and comments due March 25th. The final RFP is likely to be issued in Q2 and have a 90-day turnaround with awards expected by Fall 2022. New additions include projects must be "mesh ready," a focus on opportunities to repurpose power plants, and prioritization of labor, environmental stewardship, workforce training. While engagement has been part of previous solicitations, NY3 includes a an important new addition for a stakeholder engagement plan and helps articulate how projects should engage maritime/ocean industries. The plan is available at: <https://www.nyserda.ny.gov/All-Programs/Offshore-Wind/Focus-Areas/Connecting-With-New-Yorkers>. M-TWG members can email Sherryll with questions on NY3 at Sherryll.Huber@nyserda.ny.gov.

- NYSERDA has initiated planning to deliver 6GW to NYC and 3GW to Long Island. The Cable Corridor Study will provide more detailed planning on potential transmission routes.
- Based on the work of Climate Action Council, there is an understanding that NY will need beyond 9GW to meet climate and energy goals and this requires exploring potential for deep water. NYSERDA is launching the OSW Wind Master Plan 2.0 for deep water. Master Plan “1.0” is what created the Technical Working Groups (TWGs).
- There is an Offshore Wind State of the Science Workshop on Wildlife and Offshore Wind, July 26-28th in Tarrytown, NY. Details at: www.nyetwg.com/2022-workshop

Sherryll also provided an overview of relevant federal work. The Biden Administration has established an OSW goal of 30GW by 2030 and 110GW by 2050. BOEM has created 6 new wind lease areas and there will be 4 new developers in the NY Bight to deliver 5.6-7GW. There is a new BOEM-NJ-NY joint supply chain effort including meetings of the Regional Working Group on Supply Chain Development. The federal government is committed to 7 new lease sales across the county by 2025. There will be \$644M invested in port infrastructure, including \$357M in the tower manufacturing facility at the Port of Albany and \$287M in a staging and assembly facility at the South Brooklyn Marine Terminal.

US Coast Guard PARS

John Stone, U.S. Coast Guard (USCG), provided an overview of the final Port Access Route Studies (PARS) reports and summary of next steps. At this time, the PARS are complete and USCG is working on a rule making, which means John is limited in what he can discuss. John’s presentation covered three areas:

- Northern NY Bight PARS was published in the federal register in December 2021. Headquarters (HQ) generally agrees with what the District has provided, but in this rulemaking they will not propose Ambrose Anchorage because of some has unique qualities. In areas where perpendicular traffic patterns will be created, USCG is considering a precautionary area to alert mariners. Depending on future deep water development, USCG may look at expanding the Hudson Canyon fairways further offshore in the future.
- Seacoast of New Jersey final report was published in March 2022. PARS was led by 5th Coast Guard District working with 1st District. There is concurrence between the 5th and 1st Districts on NY/NJ and Barnegat and Narragansett Fairways. Certain areas, like the NY/NJ connector, may be adjusted slightly during the rulemaking. USCG received feedback about a fairway cutting across from offshore and back up to NY/NJ connectors on SE side of Ocean Wind. There is a lack of concurrence between HQ and District.
- Shipping Safety Fairways along the Atlantic Coast studies are under review, and there is a notice of proposed rulemaking with consolidated recommendations from districts. USCG is working to publish ANPRM at the end of summer. They know lease areas have changed, but maps reflect what had been proposed.

M-TWG members asked a few questions:

- *What about potential setbacks?* John noted that when they create fairways that are nine miles wide, the setback is already accounted for. But for Ambrose approach or Hudson Canyon, USCG is looking at options from adjacent, 1- or 2-mile setback. They try to strike a balance between mariner needs/risks and what developer needs to meet power purchase agreement.
- *Will potential precautionary areas change the dimensions listed in report?* John said no, as precautionary areas help reduce risk and it may be appropriate to consider a setback. The guideline would be two nautical miles, though this is not always possible.
- *What is the timeline?* John said this depends on the comments that come in and the need for a review of environmental impacts before rules are final. Of all federal rule making, this is one of the top priorities of the Commandant as it's important to all waterway users. The public comment period is likely to be 60 days.

Jobs & Supply Chain TWG

Jessica Dealy, NYSERDA, provided an update on recent Jobs and Supply Chain TWG (JSC-TWG) activities and job training and funding opportunities. There is over \$100M in funding and she is working to track it, align training with industry needs, and make connections. Jessica and Peter Lion, co-lead the JSC-TWG are working to revamp and expand the invite list. Jessica invited M-TWG members to share ideas for potential members.

There is a gap analysis by BM Research and a just transition workforce development plan which help to identify workforce gaps and consider how to transition workers into the OSW industry. The gap analysis identified the top ten occupations with projected workforce gaps. Most are related to manufacturing and service technician needs. NY State is strong in the preconstruction phase, including development, survey, and science, but lacking the people to build cables, towers and service and maintain them once built. Many of these jobs can be done with a high school diploma and relevant certifications and trainings. JSC-TWG is also aware of the need to decrease the complexity of contracting, vessel requirements and other challenges to prepare to meet the needs of OSW developers and a meeting this spring will further explore these topics.

Jessica provided an overview of the sources of funding and range of programs and trainings being funded. This includes funding that targets disadvantaged communities, women and minority owned business, and veterans. There is another solicitation coming, and NYSERDA is doing additional engagement with disadvantaged populations to understand their needs. SUNY Stony Brook and Farmingdale solicitations are also coming soon.

The private sector is also a significant source of funding, and Jessica provided an overview of commitments made by OSW developers to date. NYSERDA expects the 2022 solicitation will unlock additional workforce development opportunities and will expand geographic diversity and connect with the needs of communities. NYSERDA is seeking geographic diversity in where training centers are developed and wants to connect with the needs of communities.

There are many milestones coming soon. Jessica anticipates an exciting announcement later in March about the Upper Hudson Offshore Wind Workforce Development Fund related to the Multicraft Apprenticeship Preparation Program (MAPP). The National Offshore Wind Training Center in Suffolk County has a draft business plan and needs assessment and will be solidifying management and location of training facilities. The Advanced Energy and Research Technology Center (AERTC) is expected to host an event in May/June to share the results of their first round of projects. The Community Workforce Benefit Fund is likely to have an RFP in summer 2022.

NYSERDA has recognized there is currently no central warehouse for information on training and funding and will be developing this. It will feature an interactive map, links, flow chart (for example, if your skill is X, how to become Y and what facility might offer that training.) They are kicking off this week and hope to have a website in two months.

There are funds available now through NYSERDA to support businesses hiring and training for clean energy positions, including: PON 4000 Clean Energy Internship Program, PON 3982 On-the-Job (OJT) training program, and PON 4772 Climate Justice Fellowships.

M-TWG members shared their perspectives on workforce needs and gaps.

- *There is a need for more vessels to comply with the Jones Act. There is a need for dynamic positioning vehicles, not just operators.* NYSERDA staff replied that NYSERDA recognizes this as an issue and a priority. NYSERDA has commitments from the OSW developers and will be making sure they meet delivery timelines and use Jones Act compliant vessels. Sherryll Huber offered to further address this topic at a future M-TWG meeting.
- *Might developers reflag vessels?* Orsted's installation vessel is currently being built in Texas and will be used on Dominion Wind, Revolution and South Fork. M-TWG discussed the potential for developers to reflag vessels. Jessica noted the need for more specifics on what kind of vessels are needed to get more investors comfortable in building new vessels. OSW developers will need contractors to spec the vessels. There is also a need to understand whether there are opportunities to retrofit existing vessels. NYSERDA will collect and share technical details so everyone knows what is needed.

Member Updates

M-TWG members shared the following updates:

- Andrew McGovern has been involved in a committee investigating the effects of wind turbine generators on marine vessel radar with the National Academies of Sciences, Engineering and Medicine sponsored by BOEM. The study is now published on the National Academies website and can be presented at a future M-TWG meeting.
- Laura McLean shared that the NYS Public Service Commission will be hosting Public Statement Hearings for the Empire Wind 1 transmission cable in NYS waters on April 4th. The State can provide a training if anyone wants more background or information on how to engage on Article VII reviews. Deb Perry will email details to M-TWG members.

Meeting Participants

Andrew	McGovern	Harbor Operations Committee Port of NY
Benjamin	Aaronson	USCG
Bert	Chua	COWI
Brent	Cooper	COWI
Brian	Mottel	USCG
Carly	Willmott	COWI
Collyn	Chan	NYCEDC
Chris	Sparkman	United States Coast Guard
Debra	Perry	Cadmus
Ian	Corcoran	Hudson River Pilots / Hudson River Safety and Navigation OC
Jeannot	Smith	Vineyard Wind (CIP-Avangrid)
Jessica	Dealy	NYSERDA
John	Stone	United States Coast Guard
Josh	Kaplowitz	American Clean Power Association
Kyle	Hilberg	Atlantic Shores
Laura	McLean	Department of State
Lauren	Sidor	DEC
Martin	Malloy	Avangrid
Max	Taffet	New York City Economic Development Corporation
Michele	DesAutels	United States Coast Guard
Mike	Snyder	Department of State
Ona	Ferguson	CBI
Sean	Kline	Chamber of Shipping America
Sherryl	Huber	NYSERDA