



NYSERDA

Maritime Technical Working Group

Pre-Workshop Meeting

February 6, 2023 | Zoom Webinar



The purpose of today's meeting

M-TWG Offshore Wind Cabling Workshop: *Advancing Cable Routing Coordination*

**March 2, 2023, 09:30 – 5:00 PM EST
Jay Conference Center Midtown East
515 Madison Ave, 10th Floor, New York, NY 10022**

What to expect at the Workshop

- Workshop goals
- What to expect

Participant preparation in advance of the workshop

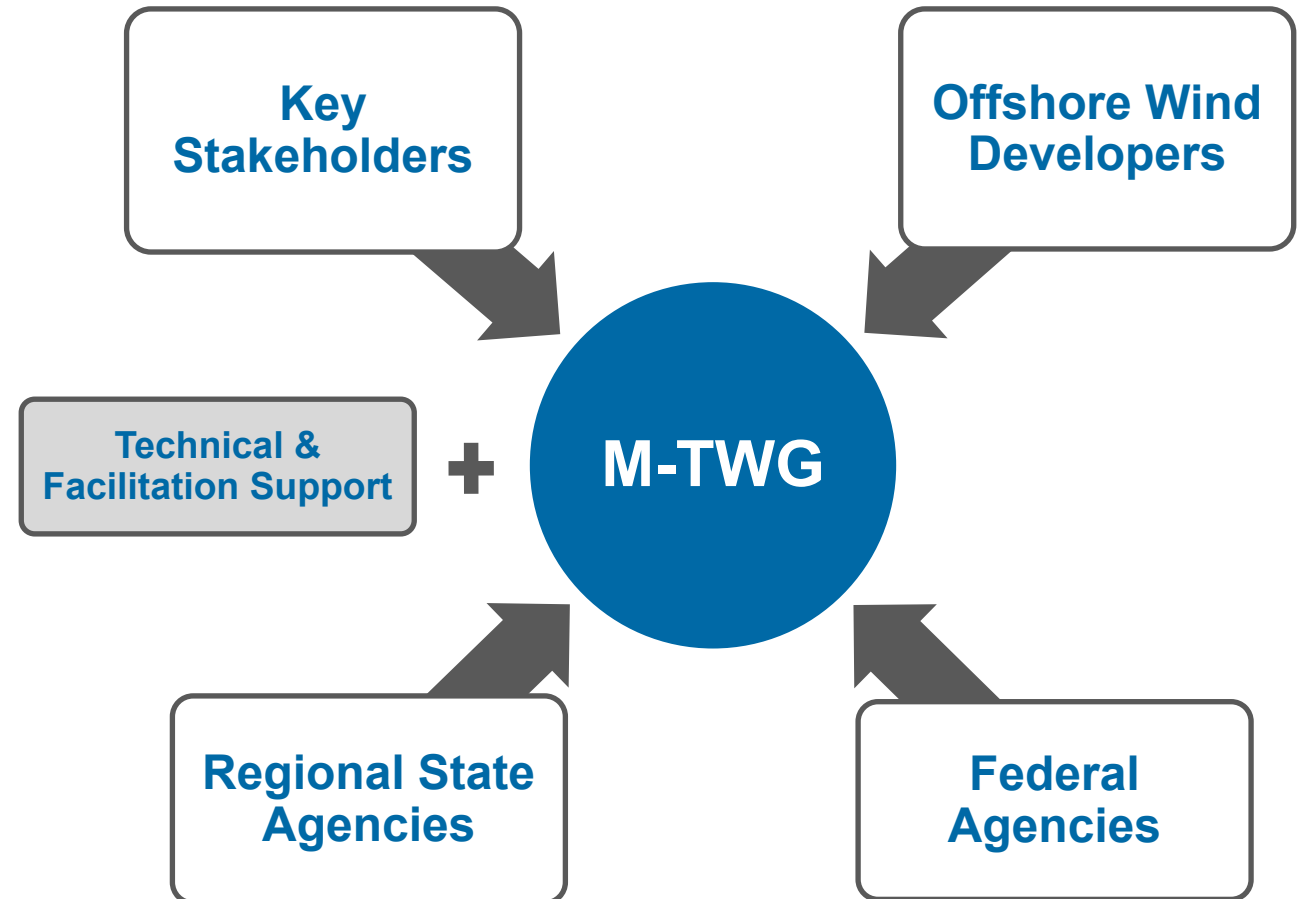
- How to prepare for the workshop



The M-TWG is a stakeholder advisory body

GOALS

- Build and strengthen relationships among those who care about and work on commercial navigation matters
- Provide a forum for collaborative, respectful deliberation and information exchange
- Ensure that participants are aware of and able to engage with related offshore wind development efforts
- Support the state's efforts to meet its offshore wind goals



Led by *NYSDOS*

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Submarine Cabling: *M-TWG perspectives*

- **An issue of importance**
 - M-TWG Summary Report (2020)
 - M-TWG Anchor Strike Study (2021)
 - NYSERDA Cable Corridor Constraints Assessment Study
- **Need for further dialogue and long-term planning**
- **March 2, 2023 Workshop planning team**
 - Maritime industry: Ian Corcoran (Hudson River Pilots; HRSNOC chair), Eric Johansson (SUNY Maritime), Stephen Lyman (Maritime Association)
 - Developers: Fred Zalcmann (NYOWA)
 - Federal: Michele Desautels (USCG)
 - NYS: Laura McLean (NYS DOS), Mike Snyder (NYS DOS), Sherryll Huber (NYSERDA), Tess Arzu (NYSERDA)
 - M-TWG team: Ona Ferguson (CBI), Eddie Galvin (Cadmus), Sabine Wilkie (COWI)

Offshore Wind Goals for New York State

July 2019, New York State signed into law the Climate Leadership and Community Protection Act (Climate Act). The Climate Act:

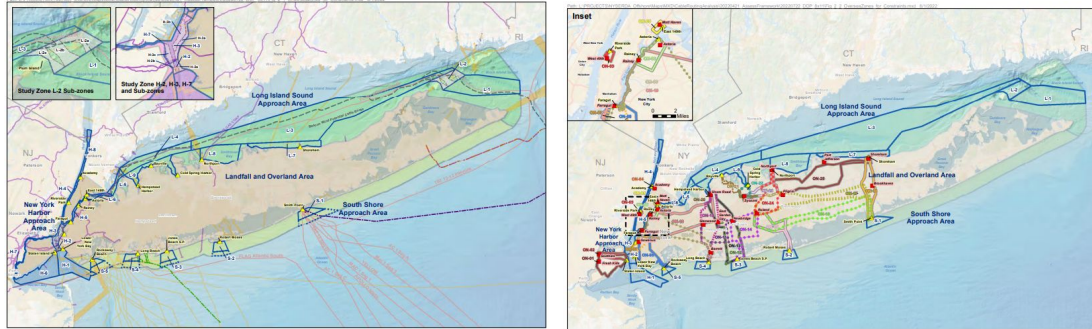
- Mandates a minimum 9 GW of offshore wind by 2035
- Requires New York State to achieve an 85% reduction in emissions below 1990 levels by 2050 and 100% zero-emissions electricity by 2040
- Created a Climate Action Council (CAC) charged with developing a scoping plan to provide recommendations to meet Climate Act targets and place New York on a path toward carbon neutrality

The CAC scoping plan suggests 16-18 GW of offshore wind energy may be necessary to ensure New York State achieves its Climate Act mandate. Based upon the final findings:

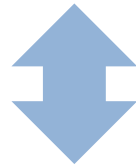
- Additional lease areas may be needed
- Other planning, analysis, and engagement is warranted
- Limiting factor of OSW target is transmission and points of interconnection to the grid

NYS Offshore Wind Planning

NYSERDA Cable Corridor Constraints Assessment



Source: NYSERDA

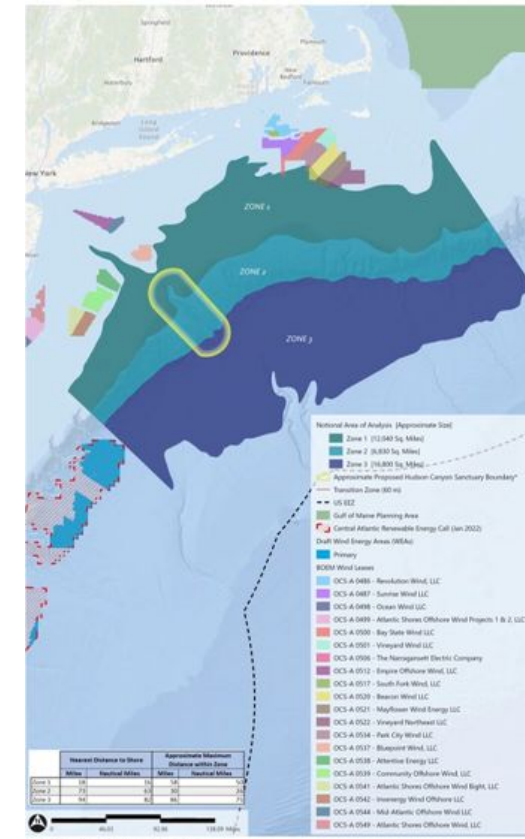


Transmission Planning undertaken by NYS Public Service Commission & NYISO

- NYS Power Grid Study (2021) recommended coordinated planning for cables, Points of Interconnection, and associated facilities
- PSC is reviewing options for identifying and addressing transmission system needs related to the State's 9 GW target

NYS Offshore Wind Master Plan 2.0

<https://www.nysed.ny.gov/All-Programs/Offshore-Wind/About-Offshore-Wind/Master-Plan>



Source: NYSERDA

M-TWG March 2, 2023 Cabling Workshop

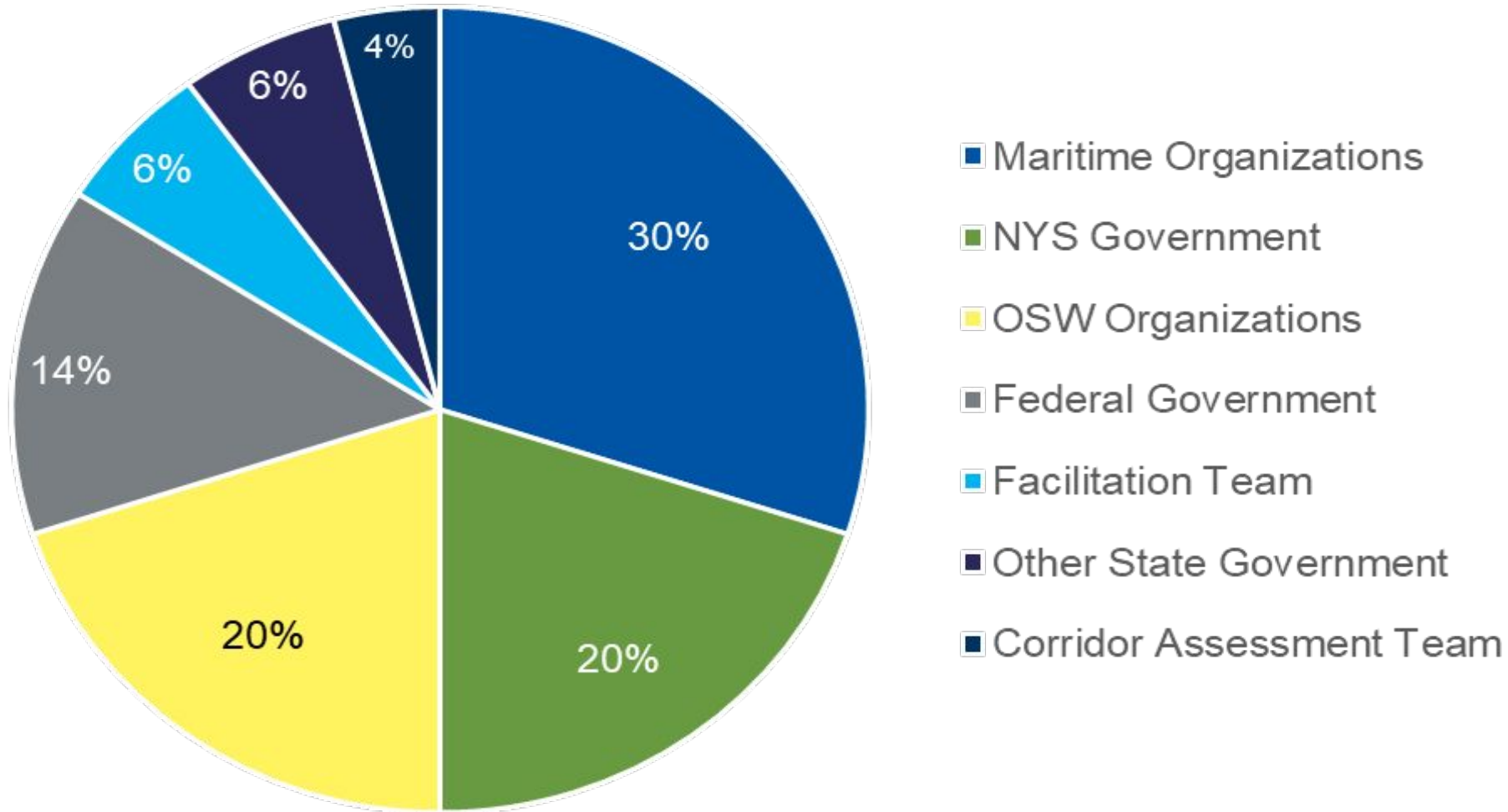
Purpose: Build upon the findings in the NYSERDA Cable Corridor Constraints Assessment with additional maritime and offshore wind industry viewpoints

Outcome: Generate a workshop summary document that reflects the varied perspectives from affected stakeholders and identifies potential next steps

The workshop is intended to provide many benefits, including:	Participants will <u>not</u> :
Continue forward momentum of responsible offshore wind development	Make decisions together (they'll be sharing their best advice and input)
Deepen the understanding of needs and issues related to cable installation through NYS navigable waters	Assess specific project impacts
Vet cable minimization & mitigation measures included in the Cable Corridor Assessment	Be ranking or prioritizing potential routes, landfalls, or points of interconnection
Continue relationship building between OSW and maritime stakeholders and Federal and State partners	Be asked to generate consensus advice

M-TWG Cabling Workshop: Attendee Breakdown

53 total RSVPs as of 2/2/2023

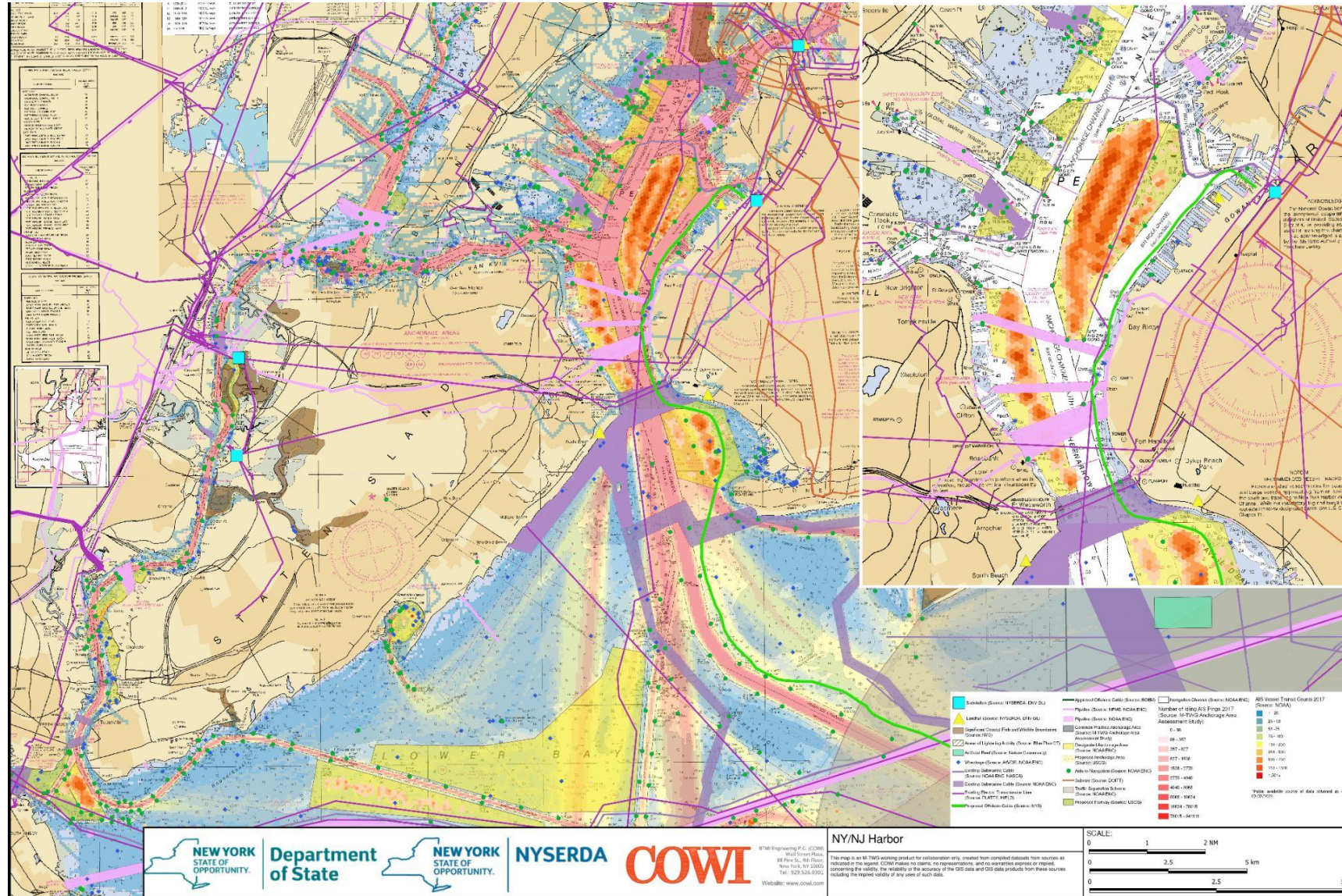


Workshop Agenda (9am to 4:30pm)

The full participant agenda will be provided next week.

- **Breakfast**
- **Welcome and Context**
- **Routing by Region: Long Island Sound, East River, and NY/NJ Harbor**
 - Small group discussions and full group report-out
 - Break for lunch
- **Breakouts on Key Topics**
 - Participants will participate in 2 or 3 breakout topics
- **Open Discussion and Next Steps**

Routing by Region



Breakout on Key Topics

Maritime Outreach

Are changes needed to **improve coordination** between the maritime sector and offshore wind developers? If so, what?

What types of **outreach** should be standard on all projects?

Information & Technology

Are there **research priorities** and/or **technologies** that could help overcome challenges discussed today?

What current **data gaps** create challenges for maritime/offshore wind industries?

What **baseline studies** and scoping information are most important to plan cable routes?

Policy & Procedures

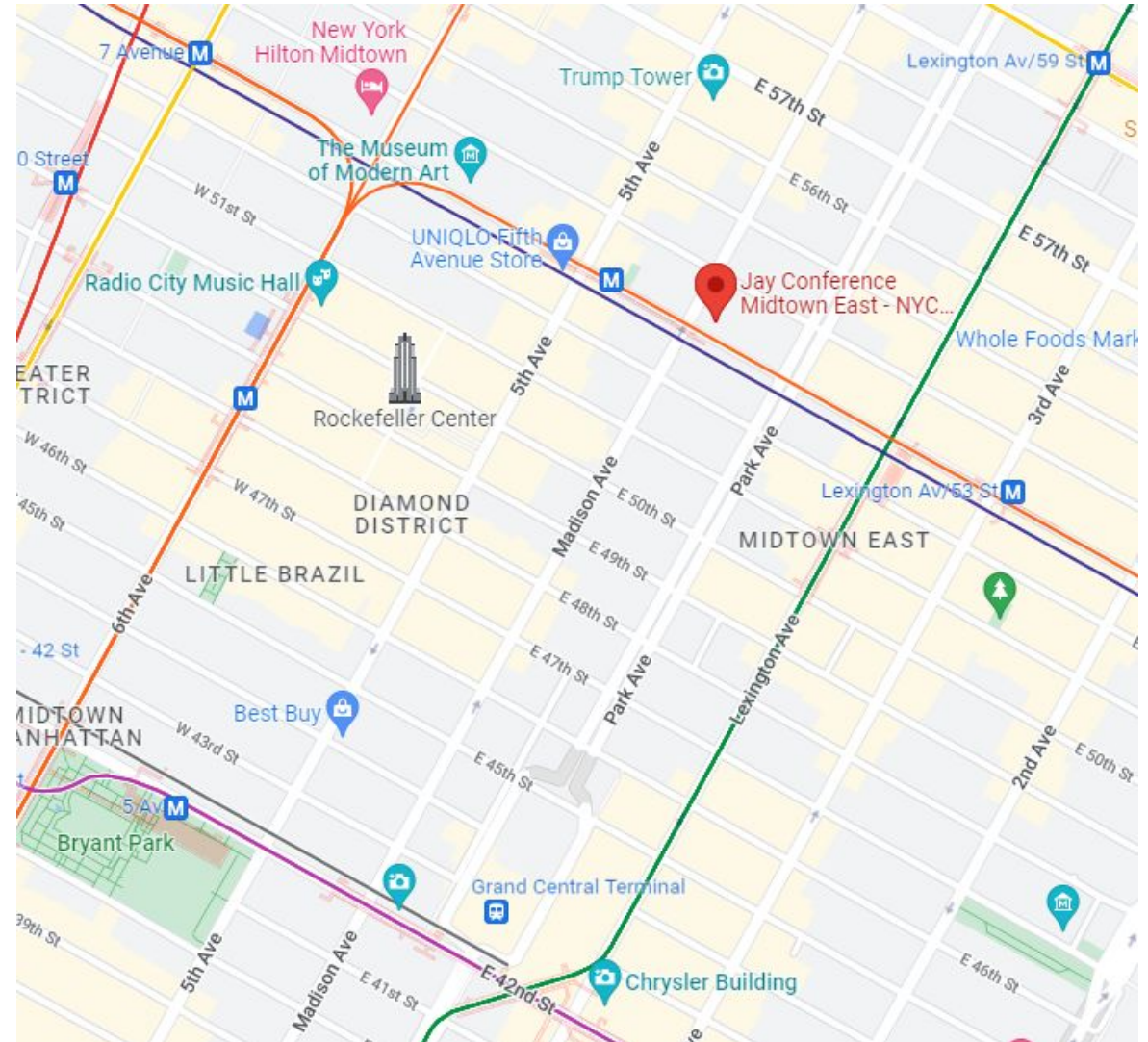
What are important **considerations for coordinated offshore wind transmission**? What should be prioritized?

Should there be any additions or changes to the **Siting Principles** or **Constraints** identified in the Cable Assessment?

Participant Preparation

- Watch this video (if you didn't attend)
- Review the NYSERDA Cable Corridor Constraints Assessment report
- Discuss and plan what you will be sharing on behalf of your organization
- Be punctual
- Bring a collaborative mindset

Jay Conference Midtown East (*not Jay Suites*) 515 Madison Ave, 10th Floor



Participant Preparation

- All meeting materials will be available on the *new* M-TWG website
- You will be notified via email (next week)

Cable Corridor Constraints Assessment Report:

- Constraints Ranking (Tables 2-4 and 2-5)
- Minimization & Mitigation Measures (Tables 3-3 to 3-22)
- Section 4: Key Findings and Recommendations

Table 2-4C. Summary of Constraints Ranking for the New York Harbor Approach Area

Resource	H-1	H-2	H-2a	H-2b	H-3	H-3a	H-3b	H-3c	H-4	H-5	H-6	H-7	H-8
	Lower NY Bay/Atlantic	The Narrows	The Narrows East	The Narrows West	Upper NY Bay	Upper NY Bay Brooklyn	Upper NY Bay The Flats	Upper NY Bay Staten Island	Lower Hudson	East River	Raritan Bay	Arthur Kill/Kill Van Kull	Middle Hudson
Geology & hydrology	L	M	M	M	L	L	L	L	L	H	M	H	L
Biological resources & habitats	M	L	L	L	L	L	L	L	H	L	H	L	H
Sediment contamination & UXOs	M	M	L	L	M	L	L	L	M	L	M	M	M
Waterbody dimensions	L	M	H	H	M	H	H	H	H	H	M	H	H
Recreational & commercial fishing	M	L	L	L	L	L	L	L	L	L	H	L	L
Vessel traffic	L	M	M	M	M	H	M	M	H	H	L	L	L
Navigation areas	L	H	M	M	H	H	H	M	H	M	H	M	H
Other recreation	L	L	L	L	L	L	L	L	L	L	M	L	L
Borrow areas & ocean disposal	M	L	L	L	L	L	L	L	L	L	L	L	L
Archaeology & cultural	L	L	L	L	L	L	L	L	M	M	L	M	L
Linear utilities	M	M	M	H	H	H	M	M	M	M	L	M	L
Tunnels & bridges	L	M	M	M	M	M	M	L	M	H	L	M	M
Waterfront infrastructure	L	M	M	L	H	H	L	H	H	H	M	M	H

L Low Constraints
M Medium Constraints
H High Constraints

Table 3-4. Marine Commercial and Recreational Uses Minimization and Mitigation Measures

Item	Marine Commercial and Recreational Uses
	Minimization
1	Include fisheries monitoring studies in the planning phase to minimize impacts by determining where fisheries and aquatic species are. This should include a desktop survey of available data and in-water monitoring to avoid areas that have more species activity.
2	Run cables near and parallel to existing utilities where feasible to benefit fishing by limiting cable footprint and habitat fragmentation.
3	Minimize overall cable length in order to minimize electrical losses, environmental impacts, and costs.
4	Minimize the number of HDDs at the landfall site by keeping HVDC cables bundled.
5	All transitions from upland to submarine configurations within the coastal area will be accomplished by horizontal directional drilling and will be at a depth sufficient so as to not interfere with any current or future water dependent uses.
6	Complete a Cable Installation Plan during the Article VII filing, detailing how cable installation will be managed to ensure disruption is minimized along the cable route in NYS waters.
7	Develop a Benthic Sampling Plan, including but not limited to, SP/VPV sampling, CTD measurements, and benthic grabs. Conduct at least two years of benthic recovery monitoring pre-installation and at least two

See you on March 2nd!

Please reach out to [Laura McLean \(Laura.McLean@dos.ny.gov\)](mailto:Laura.McLean@dos.ny.gov) and [Eddie Galvin \(Edward.Galvin@cadmusgroup.com\)](mailto:Edward.Galvin@cadmusgroup.com) with any questions.

Thank you to the M-TWG Workshop Planning Team

- Ian Corcoran (Hudson River Pilots; HRSNOC chair)
- Eric Johansson (SUNY Maritime)
- Stephen Lyman (Maritime Association)
- Fred Zalcman (NYOWA)
- Michele Desautels (USCG)



**THE MARITIME ASSOCIATION
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