



NROC
Northeast Regional
Ocean Council

MARCO MID-ATLANTIC
REGIONAL COUNCIL
ON THE OCEAN

Offshore Wind Transmission | Webinar Series

Increasing understanding and promoting dialogue about offshore wind transmission planning in the Northeast and Mid-Atlantic

Webinar Schedule

Friday mornings, 10:00 AM – 11:30 AM

January 29, 2021

February 5, 2021

February 12, 2021

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How to Participate

Advance registration is required to attend these webinars.

To register, go to: <https://neoplan.org/news/save-the-dates-offshore-wind-transmission-webinar-series/>

Background

The Northeast Regional Ocean Council (NROC) is pleased to host this informational Webinar Series on Offshore Wind Transmission in partnership with the Mid-Atlantic Regional Council on the Ocean (MARCO).

As the offshore wind industry develops in the Northeast and Mid-Atlantic US, there has been increased focus on the importance of critical transmission infrastructure. Transmission is regulated and managed onshore and offshore by multiple state and federal agencies, as well as regional entities. This webinar series will provide NROC and MARCO members, partners, and other participants with an understanding of the current framework for transmission planning on land, and issues that are emerging as that planning extends offshore.

Additional information about offshore wind transmission policy and planning is available in the [Offshore Wind Transmission White Paper](#) published in October 2020 by the Business Network for Offshore Wind.

Overview

The purpose of this webinar series is to prepare participants with foundational information about offshore wind transmission systems at the project level (installation, environmental considerations, risk mitigation); and at the management system-level where the power generated is integrated into the electricity grid.

The following three webinars will support a productive, informed and mutually beneficial dialogue among marine resource and energy system managers as their responsibilities begin to intersect around questions of offshore wind transmission planning.

- [Webinar 1](#): January 29
Bringing Offshore Transmission to Shore: How It's Done and Stakeholder Considerations

- [Webinar 2](#): February 5
The Role of Offshore Wind in Meeting State Decarbonization Goals and Why Transmission Matters

- [Webinar 3](#): February 12
How the Grid Works 101 and Offshore Wind Considerations

Webinar 1: January 29, 2021
Bringing Offshore Transmission to Shore: How It's Done and Stakeholder Considerations

Objective: To provide an understanding of the physical features of marine cable installation, environmental and marine use considerations, industry best practices for mitigating risk, and perspectives on offshore transmission planning on the east coast.

Introduction	
10:00 AM	<p>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</p> <ul style="list-style-type: none"> • <i>Ted Diers, NH Dept. of Environmental Services, State Co-Chair, NROC Ocean Planning Committee; Chris Boelke, NOAA Fisheries, Federal Co-Chair, NROC Ocean Planning Committee</i> • <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i>
Presentations on Cable Installation Methods, Risks and Mitigation	
<i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:15 AM	<p>The Importance of a Unified Approach to Energy and Marine Use Planning When Considering Offshore Cable Infrastructure</p> <p><i>Speaker: Joel Whitman, Executive Vice President, Global Marine Group</i></p> <ul style="list-style-type: none"> • Combining energy and marine use planning for construction and maintenance of offshore cable infrastructure • Overview of offshore cable transmission infrastructure • Looking ahead: considerations for development at industry scale
10:30 AM	<p>Marine Cable Installation Overview</p> <p><i>Speaker: David Slee, Submarine Cable Specialist, Burns & McDonnell</i></p> <ul style="list-style-type: none"> • Common environmental and marine use implications • Planning and construction related risk mitigation best practices and related considerations and lessons from the UK
10:45 AM	<p>Marine Cable Maintenance Overview</p> <p><i>Speaker: Andrew Lloyd, Director, Power Cables, Global Marine Group</i></p> <ul style="list-style-type: none"> • Common environmental and marine use implications related to maintaining offshore cable infrastructure • Maintenance related risk mitigation best practices and related considerations and lessons from the UK
Panel Discussion	
<i>Facilitator: Nick Napoli, NROC Ocean Planning Director & MARCO Senior Advisor</i>	
11:00 AM	<p>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</p> <ul style="list-style-type: none"> • <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i> • <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i> • <i>Susan Barco, Senior Scientist, Virginia Aquarium & Marine Science Center</i>
11:30 AM	Webinar Ends

Webinar 2: February 5, 2021
**The Role of Offshore Wind in Meeting State Decarbonization Goals
and Why Transmission Matters**

Objective: To discuss recent analysis by The Brattle Group about the anticipated scale of offshore wind development needed meet state public policy goals, and consider a systems approach to offshore wind transmission planning.

Introduction	
10:00 AM	<p>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</p> <ul style="list-style-type: none"> • <i>Ted Diers, NH Dept. of Environmental Services, State Co-Chair, NROC Ocean Planning Committee; Chris Boelke, NOAA Fisheries, Federal Co-Chair, NROC Ocean Planning Committee</i> • <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i>
Presentations	
<i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:10 AM	<p>New England States' Vision for a Clean, Affordable, and Reliable 21st Century Regional Electric Grid</p> <p><i>Speaker: Ben D'Antonio, Senior Counsel & Analyst, New England States Committee on Electricity (NESCOE)</i></p> <ul style="list-style-type: none"> • Public policy-driven transmission planning
10:35 AM	<p>Results from The Brattle Group Analysis</p> <p><i>Speaker: Johannes Pfeifenberger, Principal, The Brattle Group</i></p> <ul style="list-style-type: none"> • Findings from recent studies focusing on New England (ISO-NE) and New York (NYISO) • Anticipated scale of offshore wind development needed to meet state public policy goals • Benefits of taking a system approach to offshore wind transmission planning
Panel Discussion	
<i>Facilitator: Nick Napoli, NROC Ocean Planning Director & MARCO Senior Advisor</i>	
11:00 AM	<p>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</p> <ul style="list-style-type: none"> • <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i> • <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i> • <i>Susan Barco, Senior Scientist, Virginia Aquarium & Marine Science Center</i>
11:30 AM	Webinar Ends

Webinar 3: February 12, 2021
How the Grid Works 101 and Offshore Wind Considerations

Objective: To provide participants with an understanding of the regulatory, operational, management and market characteristics of electricity transmission from offshore wind.

Introduction	
10:00 AM	<p>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</p> <ul style="list-style-type: none"> • <i>Ted Diers, NH Dept. of Environmental Services, State Co-Chair, NROC Ocean Planning Committee; Chris Boelke, NOAA Fisheries, Federal Co-Chair, NROC Ocean Planning Committee</i> • <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i>
Presentations	
<i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:10 AM	<p>How the Grid Works 101</p> <p><i>Speaker: Rob Gramlich, Founder and President, Grid Strategies LLC</i></p> <ul style="list-style-type: none"> • Overview of the components and physical operation of the electricity grid • Roles of FERC/RTOs/ISOs/states • Key regional features impacting offshore wind interconnection in ISO NE, NYISO and PJM
10:30 AM	<p>Regulatory Considerations in Offshore Wind Transmission Planning</p> <p><i>Speaker: Mark Kalpin, Energy and Environmental Attorney, Holland & Knight</i></p> <ul style="list-style-type: none"> • Overview of current interconnection process by generator lead-line; offshore wind specific features, e.g., BOEM role • Introduction of regulatory challenges associated with offshore wind and possible policy solutions
10:50 AM	<p>Insights from Wind Transmission Planning in New Jersey</p> <p><i>Speaker TDB: New Jersey Board of Public Utilities</i></p>
Panel Discussion	
<i>Facilitator: Nick Napoli, NROC Ocean Planning Director & MARCO Senior Advisor</i>	
11:00 AM	<p>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</p> <ul style="list-style-type: none"> • <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i> • <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i> • <i>Susan Barco, Senior Scientist, Virginia Aquarium & Marine Science Center</i>
11:30 AM	Webinar Ends