



## **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*

**Table of Contents**

**Background / Overview** .....3

**Webinar Series**

Webinar 1: Bringing Offshore Transmission to Shore: How It’s Done and Stakeholder Considerations..... 4

Webinar 2: The Role of Offshore Wind in Meeting State Decarbonization Goals and Why Transmission Matters..... 5

Webinar 3: How the Grid Works 101 and Offshore Wind Considerations ..... 6

**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/>

**Access to Webinar Materials**

After completion of the series, presentation slides and recordings from the webinars will be posted online at: <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.

<b>Introduction</b>	
10:00 AM	<p><b>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</b></p> <ul style="list-style-type: none"> <li>• <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></li> <li>• <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i></li> </ul>
<b>Presentations on Cable Installation Methods, Risks and Mitigation</b> <i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:10 AM	<p><b>The Importance of a Unified Approach to Energy and Marine Use Planning When Considering Offshore Cable Infrastructure</b></p> <p><i>Speaker: Joel Whitman, Executive Vice President, Global Marine Group</i></p> <ul style="list-style-type: none"> <li>• Combining energy and marine use planning for construction and maintenance of offshore cable infrastructure</li> <li>• Overview of offshore cable transmission infrastructure</li> <li>• Looking ahead: considerations for development at industry scale</li> </ul>
10:25 AM	<p><b>Marine Cable Installation Overview</b></p> <p><i>Speaker: David Slee, Submarine Cable Specialist, Burns &amp; McDonnell</i></p> <ul style="list-style-type: none"> <li>• Common environmental and marine use implications</li> <li>• Planning and construction related risk mitigation best practices and related considerations and lessons from the UK</li> </ul>
10:40 AM	<p><b>Marine Cable Maintenance Overview</b></p> <p><i>Speaker: Andrew Lloyd, Director, Power Cables, Global Marine Group</i></p> <ul style="list-style-type: none"> <li>• Common environmental and marine use implications related to maintaining offshore cable infrastructure</li> <li>• Maintenance related risk mitigation best practices and related considerations and lessons from the UK</li> </ul>
10:55 AM	<b>Q &amp; A Session</b>
<b>Panel Discussion</b> <i>Facilitator: Nick Napoli, NROC Ocean Planning Director and MARCO Senior Advisor</i>	
11:00 AM	<p><b>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</b></p> <ul style="list-style-type: none"> <li>• <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i></li> <li>• <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i></li> <li>• <i>Susan Barco, Senior Scientist, Virginia Aquarium &amp; Marine Science Center</i></li> </ul>
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.

<b>Introduction</b>	
10:00 AM	<p><b>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</b></p> <ul style="list-style-type: none"> <li>• <i>Nick Napoli, NROC Ocean Planning Director and MARCO Senior Advisor</i></li> <li>• <i>Chris Boelke, NOAA Fisheries, Federal Co-Chair, NROC Ocean Planning Committee</i></li> <li>• <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i></li> </ul>
<b>Presentations</b>	
<i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:10 AM	<p><b>New England States' Vision for a Clean, Affordable, and Reliable 21st Century Regional Electric Grid</b></p> <p><i>Speaker: Ben D'Antonio, Senior Counsel &amp; Analyst, New England States Committee on Electricity (NESCOE)</i></p> <ul style="list-style-type: none"> <li>• Public policy-driven transmission planning</li> </ul>
10:30 AM	<p><b>Results from The Brattle Group Analysis</b></p> <p><i>Speaker: Johannes Pfeifenberger, Principal, The Brattle Group</i></p> <ul style="list-style-type: none"> <li>• Findings from recent studies focusing on New England (ISO-NE) and New York (NYISO)</li> <li>• Anticipated scale of offshore wind development needed to meet state public policy goals</li> <li>• Benefits of taking a system approach to offshore wind transmission planning</li> </ul>
10:50 AM	<b>Q &amp; A Session</b>
<b>Panel Discussion</b>	
<i>Facilitator: Nick Napoli, NROC Ocean Planning Director and MARCO Senior Advisor</i>	
11:00 AM	<p><b>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</b></p> <ul style="list-style-type: none"> <li>• <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i></li> <li>• <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i></li> <li>• <i>Susan Barco, Senior Scientist, Virginia Aquarium &amp; Marine Science Center</i></li> </ul>
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.

<b>Introduction</b>	
10:00 AM	<p><b>Representatives from NROC and MARCO provide an overview and context for the webinar from Northeast and Mid-Atlantic perspectives.</b></p> <ul style="list-style-type: none"> <li>• <i>Nick Napoli, NROC Ocean Planning Director and MARCO Senior Advisor</i></li> <li>• <i>Chris Boelke, NOAA Fisheries, Federal Co-Chair, NROC Ocean Planning Committee</i></li> <li>• <i>Kisha Santiago-Martinez, NY Dept. of State, Chair, MARCO</i></li> </ul>
<b>Presentations</b>	
<i>Facilitator: Fara Courtney, Principal Consultant, Outer Harbor Consulting</i>	
10:10 AM	<p><b>How the Grid Works 101</b></p> <p><i>Speaker: Rob Gramlich, Founder and President, Grid Strategies LLC</i></p> <ul style="list-style-type: none"> <li>• Overview of the components and physical operation of the electricity grid</li> <li>• Roles of FERC/RTOs/ISOs/states</li> <li>• Key regional features impacting offshore wind interconnection in ISO NE, NYISO and PJM</li> </ul>
10:25 AM	<p><b>Regulatory Considerations in Offshore Wind Transmission Planning</b></p> <p><i>Speaker: Mark Kalpin, Energy and Environmental Attorney, Holland &amp; Knight</i></p> <ul style="list-style-type: none"> <li>• Overview of current interconnection process by generator lead-line; offshore wind specific features, e.g., BOEM role</li> <li>• Introduction of regulatory challenges associated with offshore wind and possible policy solutions</li> </ul>
10:40 AM	<p><b>Insights from Wind Transmission Planning in New Jersey</b></p> <p><i>Speaker: Joe DeLosa, New Jersey Board of Public Utilities</i></p>
10:55 AM	<b>Q &amp; A Session</b>
<b>Panel Discussion</b>	
<i>Facilitator: Nick Napoli, NROC Ocean Planning Director &amp; MARCO Senior Advisor</i>	
11:00 AM	<p><b>Panel members respond to the presentations by highlighting potential considerations and posing questions related to protected species, habitat, and fisheries interactions.</b></p> <ul style="list-style-type: none"> <li>• <i>Lyndie Hice-Dunton, Executive Director, Responsible Offshore Science Alliance</i></li> <li>• <i>Chris McGuire, Massachusetts Marine Program Director, The Nature Conservancy</i></li> <li>• <i>Susan Barco, Senior Scientist, Virginia Aquarium &amp; Marine Science Center</i></li> </ul>
11:30 AM	Webinar Ends