



# State of the Science Workshop

On Wildlife and Offshore Wind

Welcome and Workshop Overview

Greg Lampman, NYSERDA  
November 13, 2018



# Acknowledgements

## Workshop Planning Committee

Mary Boatman, BOEM  
Scott Johnston, FWS R5  
Sherryll Jones, NYS DEC  
Lauren Kubiak, NRDC  
Jo Anna Lutmerding, FWS HQ  
Carl LoBue, TNC  
Laura Morse, Ørsted  
Howard Rosenbaum, WCS  
Caleb Spiegel, FWS R5  
Iain Stenhouse, BRI  
Sue Tuxbury, NOAA  
Kate Williams, BRI (*Technical  
Program Chair*)

## Meeting Management

Kate Williams, BRI  
Andrew Gilbert, BRI  
Iain Stenhouse, BRI  
Julia Gulka, BRI

## E-TWG Members

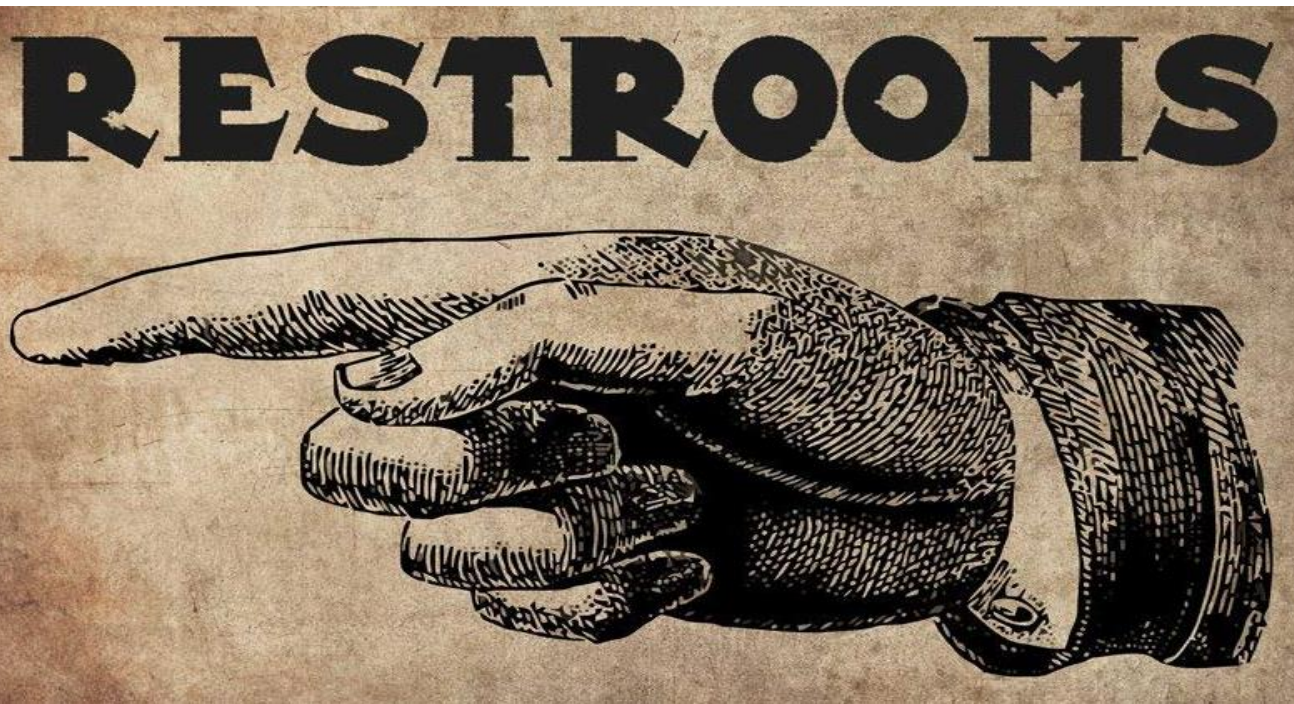
Aileen Kenney/Jamil Khan, Deepwater Wind  
Amanda Lefton/Carl LoBue, TNC  
Anne Marie McShea, NJ BPU  
Bruce Carlisle, MA CZM  
Scott Johnston/Caleb Spiegel, FWS  
Catherine Bowes, NWF  
Catherine McCall, MD DNR  
David Beutel/Grover Fugate, RI CRMC  
Francine Kershaw/Nathanael Greene, NRDC  
Howard Rosenbaum, WCS  
Isis Farmer, BOEM  
Jennifer Banks, US Wind  
Jillian Liner, Audubon New York  
Joe Martens, NYOWA  
Kevin Hassell, NJ DEP  
Kimberly Cole/Drew Faulhaber, DE DNREC  
Laura McKay, VA DEQ  
Laura Morse, Ørsted  
Martin Goff/Julia Bovey, Equinor  
Matthew Robertson, Vineyard Wind  
Sherryll Jones, NY DEC  
Susan Tuxbury, NOAA  
Wilhelmina Innes, NY DOS

## NYSERDA

Karen Fusco  
Angela Guiliani  
Adrienne Downey

**Workshop  
Speakers  
&  
Poster  
Presenters**

# Workshop Logistics



# Offshore Wind Master Plan

*A comprehensive state roadmap for advancing development of offshore wind in a cost-effective and responsible manner*

## Key Elements

- Identifies the most favorable areas for potential offshore wind energy development
- Describes the economic and environmental benefits of offshore wind energy development
- Addresses mechanisms to procure offshore wind energy at the lowest ratepayer cost
- Identifies infrastructure requirements and assesses existing facilities
- Analyzes costs and cost-reduction pathways
- Identifies workforce opportunities
- Recommends measures to mitigate potential impacts of offshore wind energy development

January  
2018



# NEW YORK STATE OFFSHORE WIND MASTER PLAN

**Charting a Course to 2,400 Megawatts  
of Offshore Wind Energy**

# Technical Working Groups

## Environmental



- Development of Wildlife Best Management Practices.
- Coordination for adaptive management.
- Identification of research needs and coordination.
- Lead: NYSERDA

## Commercial Fishing



- Development of Fisheries Best Management Practices.
- Identification of research needs and coordination.
- Development of a framework for understanding commercial fishing impacts.
- Improved Communications
- Lead: NYSDEC

## Maritime



- Development of Maritime Best Management Practices.
- Define strategies that could help members engage effectively with OSW development.
- Commitment to smart development
- Lead: NYSDOS

## Jobs and Supply Chain



- Facilitate the connection of local manufacturers with global OSW developers and equipment manufacturers.
- Ensure certification and training requirements are clear and readily available.
- Lead: NYSERDA

# E-TWG Members

Stakeholder	Seats	Specifics
<b>Developer</b>	5	Representatives from companies with geographically relevant lease holdings in the region: Deepwater Wind, Equinor, Ørsted, US Wind, Vineyard Wind
<b>eNGO</b>	5	Representatives from non-profit organizations with a strong scientific grounding and involvement in a range of wildlife and offshore wind issues: Audubon New York, NWF, NRDC, TNC, WCS
<b>Nonpartisan NGO</b>	1	Representative from an NGO that includes both developers and eNGOs as members (New York Offshore Wind Alliance)
<b>State agency</b>	11	Representatives from New York and other regional states (MA, RI, NY, NJ, DE, VA)
<b>Federal agency</b>	3	Representatives from BOEM, USFWS, and NOAA Fisheries

# NYSERDA Request for Proposals ORECRFP18-1

- Released November 8, 2018; Proposals Due February 14, 2019
- Seeks to procure up to ~800 MW of offshore wind via an OREC structure

## Requires Selected Developer(s) to:

- Submit Environmental and Fisheries “Mitigation Plans”
- Participate in the TWGs
- Consult with NYS Agencies in the development of their federal environmental permits
- Make newly collected environmental data publicly available in shortly after collection
- Include lighting controls to minimize nighttime visibility


# State of the Science Workshop

- **Regional coordination** of research studies, guidelines development, and other efforts along the eastern seaboard (MA-NC)
- **Expert information exchange and discussion** to inform research priorities, promote collaboration, and inform E-TWG and Specialist Committee activities
- **Public engagement and education** about ongoing efforts to understand, minimize, and mitigate environmental impacts from offshore wind energy development





# Priority Topic Areas



**Key advances in our understanding of environmental impacts on wildlife populations**

*What are key things we're learning from each other at this workshop?*



**Remaining priority data gaps and research needs**

*What risks have been largely retired, vs. topics that we still need to know more about?*



**Opportunities for collaboration and regional coordination**

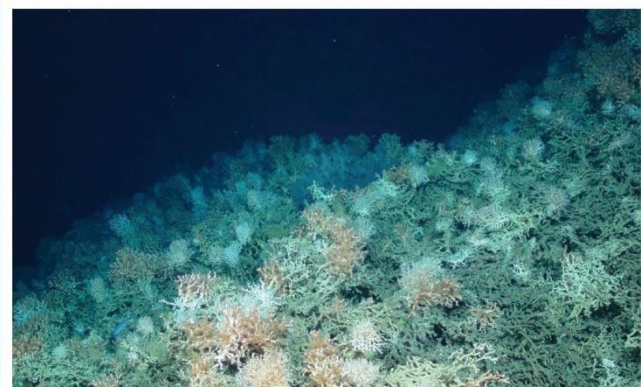
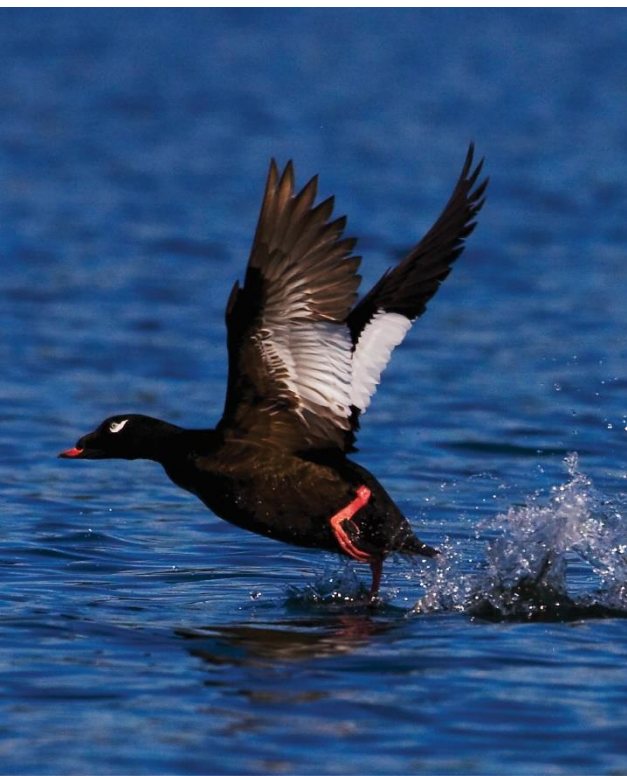
*Are there potential synergies between studies focused on different development phases, locations, or taxonomic groups?*

# Workshop Ground rules

- Honor the agenda
- Participate actively and respectfully
- Submit written questions for speakers
- Focus comments and speak/write concisely
- Session moderators and the workshop facilitator will manage discussions
- Take side conversations outside
- Cell phones off/silent

# After the workshop

- Compile notes during the meeting
- Draft a summary report (circulate to attendees for review)
- Make the final summary report available along with the Presentations



# Thank you!

## Contacts:

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Facilitation Support: Kearns & West - Jason Gershowitz

