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BOEM
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Management

Fisheries and Offshore Wind Energy: Synthesis of the Science

BREAKOUT SESSIONS

October 15, 2020:

Ecosystem Effects

3:00pm - 3:55pm EST (12:00pm - 12:55pm PST)

Benthic Habitat: Fisheries Approaches and Opportunities

Impacts to habitat and fisheries from disturbance and modification of the benthos.

Moderator: Brian Hooker (Bureau of Ocean Energy Management)

Of Hammers and Hammerheads: Effects of EMF and Sound on Marine Life

Considerations of physical habitat modifications on marine species, particularly the impact of sound and electromagnetic fields from OSW development.

Moderator: Zoe Hutchison (Univ. of Rhode Island)

Not to Mix It Up, But Let's Talk about the Cold Pool

Understanding of and potential impacts to the Mid-Atlantic Cold Pool from OSW development.

Moderator: Josh Kohut (Rutgers University)

Living in a New Material World: Assessing Changes with Presence of Structures

Considerations of how offshore wind structure - turbine foundations, cable and scour protections - and fish may interact and how to establish monitoring and research to study the effects of fish abundance, distribution, and movement near and on these structure types.

Moderator: Ruth Perry (Mayflower Wind)

The Matter of Migration: HMS, Small Pelagics, Anadromous Fish, and Others Who Roam

Considerations of how offshore wind energy development may affect movement, behavior, and populations of migratory species including small, mid-sized, and large pelagic species.

Moderator: Jeff Kneebone (New England Aquarium)



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Ecosystem Effects

4:00pm - 5:00pm EST (1:00pm - 2:00pm PST)

Interim Report of ROSA's Monitoring Working Group

Discussion of interim framework developed by ROSA's Interim Working Group for OSW project-specific fisheries monitoring plans.

Moderator: Lyndie Hice-Dunton (ROSA)

Getting Physical (Oceanography) with Fishermen: Incorporating Traditional Knowledge in Research

How on the water experiences and observations could be used to benefit oceanographic research projects.

Moderator: Brian Hooker (BOEM)

Case Study in Cumulative Stressors: Squid

Examining how multiple environmental changes associated with OSW development may interact on an individual, stock, or population level, using U.S. squid species as an example.

Moderator: Doug Christel (NMFS GARFO)

From the Turbine to the Region: Scaling Up to Population Level Effects

Understanding how local scale impacts affect populations more broadly. Focusing on assessing attraction vs. production, information needs and approaches for upscaling to the population level, and determining whether some species or species groups are more or less likely to see population-level effects from OSW.

Moderator: Steve Cadrin (Univ. of Massachusetts-Dartmouth)



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October 16, 2020:

Socio-Economics

1:00pm - 2:00pm EST (10:00am - 11:00am PST)

Sharing the Ports: Evaluating Challenges and Opportunities

Considerations relating to port access and infrastructure needs for fishing and offshore wind energy industries.

Moderator: Angela Silva (NMFS NEFSC)

Focus on Floating: Different Structures, Different Conditions

Considerations for fishing operations in and around floating offshore wind structures and approaches to socioeconomic analyses associated with floating wind energy technology (mooring lines, interarray floating cables and structure).

Moderator: Ruth Perry (Mayflower Wind)

Integrating Fisheries and Wildlife, RWSE, and ROSA

Opportunities for coordination between regional science entities and overlapping areas of fisheries and wildlife, including protected species.

Moderator: Nick Sisson (NMFS GARFO)

Dock to Plate: Market Considerations

Supply chain considerations and impacts to consumers related to OSW and fisheries interactions.

Moderator: Fiona Hogan (RODA)

Safety at Sea

Addressing impacts to safe navigation in and around OSW development areas, including secondary impacts such as insurance coverage.

Moderator: Andy Jones (NMFS NEFSC)



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October 16, 2020:

Socio-Economics

3:45pm - 4:45pm EST (12:45pm - 1:45pm PST)

New Fisheries, New Entrants, New Gear? The Realities of Adaptation

How might OSW affect the long-term outlook for commercial fishing, from the ability to develop new fisheries, to new gear and fishing technologies, to opportunities for new or next-generation participants? What are challenges and opportunities in adapting to new conditions?

Moderator: Andy Lipsky (NMFS NEFSC)

Perspectives from Small Communities

How may development affect small fishing-dependent communities? What are socioeconomic considerations regarding heritage, culture, demographics, business and community structures?

Moderator: Madeleine Hall-Arber (Fisheries Anthropologist)

Perspectives from Vertically Integrated Businesses

What challenges or opportunities does OSW development pose to vertically integrated businesses with complex business models that span multiple topics from employment to complex supply chains and markets?

Moderator: Fiona Hogan (RODA)

What's Perception Got to Do With It? Socioeconomic Research, "Stakeholder & Rightsholder Engagement," and Participatory Governance

What does it mean to evaluate beliefs surrounding food production and OSW development? Is collaboration and building authentic relationships a priority and, if so, can science inform best practices?

Moderator: Talya ten Brink (NMFS GARFO)

Case Study: Cumulative Socioeconomic Approaches to Understanding Effort Displacement

How to consider effort displacement from OSW, both as a direct impact to fishing and as part of the larger picture of interrelated effects on human and biological environments.

Moderator: Doug Christel (NMFS GARFO)



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October 30, 2020:

Monitoring, Cumulative and Regional Issues, Fisheries Management & Synthesis

2:45pm - 3:45pm EST (11:45am - 12:45pm PST)

Fishery Independent Surveys: Impacts and Solutions

How might they be impacted and what potential solutions can be investigated? What opportunities exist for fishery dependent surveys, and fishery independent surveys conducted on fishing vessels, to supplement those that will be impacted by OSW development?

Moderator: Andy Lipsky (NMFS NEFSC)

Crossroads: Where Fisheries Management Meets OSW and the Regulatory Changes Needed for Harmony

What are implications for fisheries management processes to address OSW impacts to fishing operations, specification-setting, and management plans?

Moderator: Doug Christel (NMFS GARFO)

Other Fish in the Sea: How to Improve OSW Planning in the Context of Data-Limited Fisheries?

Developing approaches to ensure consideration of fisheries that have limited available spatial data during the OSW planning and assessment processes.

Moderator: Noah Oppenheim (Homarus Strategies)

Fisheries Information Modernization: Big Data or Big Brother?

Emerging methods and technologies for improving utility and integrity of fisheries data through industry leadership.

Moderator: Steven Jacobs (Concitor, LLC)

Beyond Data Collection: Best Practices in Interpretation through Cooperative Research

Correctly interpreting and understanding the limitations of data is as equally important as collecting it. What are the best practices to do this and how can they be better implemented?

Moderator: Anna Mercer (NMFS Cooperative Research Branch)

How to Prioritize Research?

Outlining methods to determine research priorities. Evaluate strengths and drawbacks from other research prioritization frameworks (such as those created by MA Dept. of Marine Fisheries, RI Dept. of Environmental Management, CA Ocean Protection Council, UK's Offshore Renewables Joint Industry Program or others).

Moderator: Lyndie Hice-Dunton (ROSA)