

Maine Offshore Research Array Project: A Workshop to Build Knowledge and Further Stakeholder Engagement

**February 5, 2021
Presenters & Panelists**

Richard (Dick) Akers, Chief Technology Officer, Maine Marine Composites LLC

Dick has 40 years of experience in engineering, including 20 in marine engineering. As Chief Technology Officer of Maine Marine Composites, he has performed seakeeping analyses on barges, ships, FOWT platforms and MHK systems. Relevant projects include mooring design for the 50% VolturnUS FOWT project, seakeeping analysis for Shell's Arctic Challenger oil spill response vessel, and a DOI/BSEE-sponsored fatigue analysis study on FOWT systems. Dick holds a Naval Architect Degree and MSE in Naval Architecture from the Univ. of Michigan, an MS in EE/CS from UC, Berkeley and a BSEE from the Univ. of Cincinnati.

Damian Brady, Associate Professor of Oceanography, University of Maine School of Marine Sciences

Damian has been the director of Environmental Monitoring for the University of Maine's Offshore Wind program since 2010. As part of UMaine's DeepCWind Initiative, Dr. Brady helped monitor and permit the first grid connected floating offshore wind platform in the U.S. Dr. Brady has over 40 peer reviewed publications related to marine ecosystem dynamics and works at the interface of coastal ecology and public policy. He is especially interested in aquaculture-fisheries and offshore wind interactions. His current projects focus on the effect of climate on fish habitat in the Gulf of Maine, recirculating aquaculture systems, American lobster supply chain dynamics, high resolution satellite image analysis for aquaculture site selection, and offshore wind site selection.

Doug Christel, Fishery Policy Analyst, National Marine Fisheries Service, Greater Atlantic Regional Fisheries Office

Doug Christel is a fishery policy analyst with the NMFS GARFO. Doug oversees the management of the mackerel, squid, and butterfish fisheries. He also serves as the fishery lead for the NMFS regional wind team, helping to integrate fishery considerations into wind project reviews, impact analysis, and monitoring and survey initiatives.

Celina Cunningham, Deputy Director of the Governor's Energy Office in Maine

Celina is the Deputy Director of the Governor's Energy Office (GEO) and leads several renewable energy initiatives in the office, including offshore wind. This includes the state-led proposed floating offshore wind research project and overseeing the offshore wind roadmap planning effort. Prior to joining the state, Celina worked in the solar industry and for the federal government, both at the Department of the Interior and as staff in the U.S. House of Representatives.

Wing Goodale, Senior Science Director, Biodiversity Research Institute

Wing Goodale is the Senior Science Director at Biodiversity Research Institute (BRI) and has been working on offshore wind energy and wildlife research since 2009. Goodale has a BA in biology from Colorado College, an MPhil in human ecology from College of the Atlantic, and a PhD in environmental conservation from UMass Amherst. Goodale was a National Science Foundation IGERT fellow in the UMass Offshore Wind Energy Program, is a Switzer Environmental Fellow, and was a member of the Maine Board of Environmental Protection. Goodale's research is focused on the interaction of wildlife with offshore wind energy.

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Lyndie Hice-Dunton, Responsible Offshore Science Alliance

Lyndie is Executive Director of the Responsible Offshore Science Alliance. Lyndie's multidisciplinary expertise includes fisheries ecology, coastal oceanography, and environmental science and policy, including over a decade of hands-on fieldwork in fisheries and coastal ecology. She has over a decade of experience in fisheries science and environmental policy as a specialist on projects focusing on coastal and offshore energy, offshore infrastructure development, and fisheries stakeholder engagement. Her experience includes close work with state and federal regulatory agencies, fishing industry representatives, and offshore wind developers to identify best science-based approaches to responsible development.

Andy Lipsky, Fisheries & Offshore Wind Lead, Northeast Fisheries Science Center

Andy Lipsky is the Fisheries & Offshore Wind Lead at NOAA's Northeast Fisheries Science Center in Woods Hole, MA. He is responsible for developing NOAA's regional fisheries and offshore wind science capabilities. Andy also co-chairs the International Council on the Exploration of the Sea's Working Group on Offshore Wind Development and Fisheries. Prior to joining NOAA, he led efforts to design and execute collaborative fisheries studies with commercial fishermen to study the impacts of the Block Island Wind Farm on demersal fish and lobster resources.

Elizabeth (Lisa) Methratta, Fisheries and Wind Scientist, Northeast Fisheries Science Center

Lisa is a fisheries biologist at NOAA's Northeast Fisheries Science Center where she works on offshore wind-fisheries interactions. Following her Ph.D. research which focused on food web dynamics on Maine's rocky shores, she came to NOAA as an NRC postdoctoral fellow. Now as a fisheries biologist at NOAA, she is supporting efforts to develop regional guidelines for research and monitoring of the ecological impacts of offshore wind farms; she is helping to coordinate the Synthesis of the Science project aimed at evaluating the current state of knowledge on fisheries-wind interactions; and she works closely with regional science entities to support science coordination in the northeast region. Toward these goals, Lisa sits on several regional working groups as well as the ICES fisheries-wind working group.

Kathleen Reardon, Lead Lobster Fishery Biologist, Maine Department of Marine Resources

Kathleen Reardon is currently the lead lobster fishery biologist for the Maine Department of Marine Resources and has been working with the commercial lobster fishery since 2000. She serves as the Atlantic States Marine Fisheries Commission's Technical Committee Chair and is a member of the ASMFC Lobster Stock Assessment Subcommittee, so is familiar with the state and federal datasets available and used to characterize the lobster fishery.

Emily Shumchenia, Marine Scientist, Northeast Regional Ocean Council

Emily Shumchenia is a marine scientist with the Northeast Regional Ocean Council. She manages the Northeast Ocean Data Portal, which provides access to expert-reviewed interactive maps on ocean uses and resources, including wildlife, from federal, state, industry, and nongovernmental data providers.

Carl Wilson, Director of Bureau of Marine Science, Maine Department of Marine Resources

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Carl has directed the Bureau of Marine Science for the Department of Marine Resources since 2015. The Bureau has a staff of 65 who work within two research Divisions (Biological & Assessment or Anadromous Fisheries & Restoration); an education division; and, an administrative support and facilities group. Prior to becoming Director, Carl was DMR's lead lobster biologist for over 16 years. Carl's marine ecology and fisheries background and close working relationship with the Maine lobster fishery formed the basis for his research.

Chris Wissemann, CEO, Diamond Offshore Wind LLC

Chris has more than three decades of experience developing, building and financing renewable energy, combined cycle and energy efficiency projects in the US. He founded Deepwater Wind in 2005 and drove development of the first offshore wind project in the U.S. off of Block Island, Rhode Island. Chris now manages Diamond Offshore Wind, formed in partnership with Diamond Generating Corporation – a wholly owned subsidiary of the Mitsubishi Corporation. Along with the University of Maine, Diamond and RWE Renewables are partners on the private New England Aqua Ventus Monhegan project. Chris has an engineering degree from Brown University.