



**EBC Sixth Annual Offshore Wind Conference
Featuring Scope of Vineyard Wind and Ørsted Projects**

Wednesday, January 23, 2019

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AGENDA

- 8:00 a.m.** **Welcome: Daniel Moon**, President, Environmental Business Council
- Welcome to WilmerHale: Raya Treiser**, Counsel, WilmerHale
- Program Overview – Purpose and What You Will Learn**
- **Michael Ernst**, Conference Chair and Moderator
Executive Advisor, Power Advisory LLC
- 8:15 a.m.** **Massachusetts Offshore Wind Energy Program**
- **Matthew Beaton**, Secretary
Executive Office of Energy and Environmental Affairs
Commonwealth of Massachusetts
- 8:35 a.m.** **Massachusetts Offshore Wind Initiatives**
- **Bruce Carlisle**, Senior Director, Offshore Wind, MA Clean Energy Center
- Presentations from Offshore Wind Developers**
Introduction to the Leaseholders of Massachusetts & Rhode Island
- 9:00 a.m.** **Vineyard Wind, LLC**
- **Rachel Pachter**, Vice President, Permitting
- 9:20 a.m.** **Shell Exploration and Production Company; Mayflower Wind Energy, LLC**
- **Ruth Perry, Ph.D.**, Marine Science and Regulatory Policy Specialist
- 9:40 a.m.** **Ørsted US Offshore Wind – Bay State Wind & Ocean Wind Farms**
- **Matthew Morrissey**, Head of New England Markets
- 10:00 a.m.** **Networking Break**
- 10:30 a.m.** **Impact Mitigation & Stakeholders Panel**
Perspectives on Fishing, Environmental, Workforce and Supply Chain
- Moderator: **Michael Ernst**, Power Advisory, LLC
- Panel Members:
- **Catherine Bowes**, National Wildlife Federation
 - **Bruce Carlisle**, MassCEC
 - **Jack Clarke**, Mass Audubon
 - **Rachel Pachter**, Vineyard Wind, LLC
 - **Ruth Perry**, Shell Exploration and Production Company
- 12:30 p.m.** **Adjourn – Closing Comments – Michael Ernst**

Note: Bureau of Ocean Energy Management Chief Jim Bennett accepted the invitation to participate but cannot due to the Federal Government shutdown.

PROGRAM CHAIR & MODERATOR

Michael Ernst, Executive Advisor
Power Advisory LLC
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Mr. Ernst has over 30 years of energy experience as an environmental attorney for state agencies, a law firm, an independent transmission company, Tetra Tech and now as senior consultant for Power Advisory and Clean Power Inc., where he supports international wind and solar development. At Power Advisory, Mr. Ernst has conducted OSW analyses for NYSEDA & private companies. As Director of Regulatory Affairs for the Tetra Tech Energy Program, Mr. Ernst supported siting and permitting for various proposed onshore and offshore wind farms and transmission lines and cables, including the Deepwater Wind Block Island, Rhode Island offshore wind farm, the Dominion Virginia offshore turbines, and other projects off the Atlantic Coast. Mr. Ernst helped lead policy analysis for three U.S. Department of Energy funded annual Offshore Wind Market Analysis and Supply Chain Studies and the 2014 DOE Wind Vision Report. He is a member of the AWEA Offshore Wind Committee and AWEA Offshore Wind Working Group since 2007. Mr. Ernst has a J.D. from Northeastern University School of Law in Boston and B.S. from Davidson College in Davidson, North Carolina.

SPEAKERS

Catherine Bowes, Program Director, Offshore Wind Energy
National Wildlife Federation
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Catherine Bowes is the National Wildlife Federation's Program Director for Offshore Wind Energy. Since taking on this role in 2010, Catherine has not only led NWF's engagement on offshore wind, she also plays a national leadership role within the NGO community on this clean energy campaign. Catherine has held several positions in her sixteen years at NWF, including serving as lead Climate Policy Lobbyist on Capitol Hill from 2009-2010 and managing several clean energy campaigns throughout the Northeast including a multi-year effort to secure state policies to reduce mercury pollution. Prior to joining NWF's staff, she spent six years working for Conservation Law Foundation, where she focused on building support for advocacy to protect New England's natural resources and promote solutions to the region's energy and environmental problems. Catherine serves on the Board of Directors for RENEW Northeast and the New York Offshore Wind Alliance Steering Committee. She also sits on the Commonwealth of Massachusetts' Offshore Wind Habitat Working Group on Offshore Wind Energy and New York State Research and Development Authority's Environmental Technical Working Group. Catherine holds a Bachelor's degree in Political Science from Washington University in St. Louis and a Master's Degree in Environmental Policy from Bard College.

Bruce Carlisle, Senior Director, Offshore Wind
Massachusetts Clean Energy Center
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Bruce K. Carlisle is the Senior Director of Offshore Wind for the Massachusetts Clean Energy Center (MassCEC). At MassCEC, Mr. Carlisle leads efforts to advance the successful and responsible development of the offshore wind sector in the Commonwealth. Bruce directs programs and initiatives for MassCEC including planning and siting, stakeholder engagement, supply chain support and growth, workforce development and training, ports and infrastructure assessment and utilization, marine studies and characterization, transmission, and research and innovation in offshore wind development, technology and operations. He coordinates Massachusetts efforts and interests with federal offshore wind energy leasing and development and serves on several Bureau of Ocean Energy Management's Intergovernmental Task Force for Offshore

Renewable Energy. Bruce oversees the operations of the New Bedford Marine Commerce Terminal, the nation's first multi-purpose facility designed to support the construction, assembly, and deployment of offshore wind projects. Mr. Carlisle holds a Masters in Environmental Policy degree from Tufts University.

Jack Clarke, Director of Public Policy and Government Relations

Mass Audubon
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Jack Clarke is Director of Public Policy & Government Relations for Mass Audubon. Mass Audubon is among the oldest and largest state conservation NGO's in Northeast United States. He worked for the US Department of the Interior/National Park Service at Cape Cod National Seashore for almost a decade seasonally and received their Outstanding Achievement Award. He later worked as a liaison between the Massachusetts Secretary of State's Office and what is now the Cape Cod Commission where he established and managed Barnstable County's Historic Preservation Program.

Following that, he served thirteen years and three governors, both Republican and Democratic, in the Massachusetts Executive Office of Environmental Affairs, the last five of which he was the Bay State's Assistant Director for Coastal Zone Management. In that capacity, he served as acting Assistant Secretary, held a gubernatorial appointment as the Commonwealth's representative to the Interior Department's oil and gas Outer Continental Shelf Advisory Committee, helped draft and pass legislation to establish Cape Cod's regional regulatory planning agency, oversaw the state's National Estuary Programs for Massachusetts and Buzzards Bays, supervised the Massachusetts Harbor Management Program, held a gubernatorial appointment as the state's voting representative on the Martha's Vineyard Commission, and was on the staff of the Massachusetts Emergency Management Agency. He also negotiated and wrote the state and nation's first comprehensive Guidelines for Barrier Beach Management.

Mr. Clarke helped draft and pass the Massachusetts' Rivers Protection Act; Community Preservation Act; first-in-the-nation comprehensive ocean management law; and four environmental bonds, the last of which was \$2.2 billion. He has also worked internationally on a variety of environmental matters including in Northern Ireland and Israel. For his work on behalf of the environment, Mr. Clarke has received commendations from: the US Department of the Interior, and US Environmental Protection Agency; the American Planning Association; Massachusetts' Land Trust Collaborative; Environmental League of Massachusetts; Massachusetts Association of Conservation Commissions; Association to Preserve Cape Cod; Clean Power Now; Massachusetts State Senate and House of Representatives; Massachusetts Environmental Police; and the City of Boston.

With an office on Boston's Beacon Hill, Mr. Clarke has held and continues to hold a variety of appointments to state committees, commissions, and boards including on the Environmental Crimes Task Force; Environmental Law Enforcement Review Panel; and Affordable Housing Task Force. Most recently, he was re-appointed by the Governor to chair the Massachusetts Ocean Advisory Commission. He is also a gubernatorial appointee to the Special Commission on Coastal Erosion. Mr. Clarke earned his Bachelor and Masters Degrees with honors from Boston College in American History and American Studies respectively.

Matthew A. Morrissey, Head of New England Markets

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Matthew A. Morrissey is Head of New England Markets for Ørsted U.S. Offshore Wind. Mr. Morrissey has been involved in executive leadership positions in the offshore wind industry since 2007.

As the founding Managing Director of Offshore Wind: Massachusetts, Mr. Morrissey spearheaded the industry's successful efforts to include offshore wind in the Commonwealth's energy portfolio, resulting in the historic 1600MW bill signed into law in August 2016.

Under Mr. Morrissey's leadership as Executive Director of the New Bedford Economic Development Council for many years, New Bedford led all similar size cities from around New England in new growth and private capital investment. Mr. Morrissey founded the New Bedford Wind Energy Center where he worked with key local leaders and state officials to attract public investment in the development of the state owned New Bedford Marine Commerce Terminal, the first offshore wind terminal in the nation.

Mr. Morrissey has a degree in English literature from University of Massachusetts Dartmouth, and is a graduate of Harvard's highly competitive non-degree granting Advanced Management Development Program in Real Estate. Mr. Morrissey is the fifth generation of his family hailing from the Port City of New Bedford, Massachusetts.

Rachel Pachter, Vice President of Permitting Affairs

Vineyard Wind

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Rachel Pachter has over fifteen years of experience in US offshore wind development. She directed and finalized the permitting for the first and only fully permitted offshore wind farm in federal waters of the United States. Rachel has successfully navigated the complex and evolving regulatory processes, represented environmental and regulatory concerns in all aspects of project development including contracting and financing, and lead numerous stakeholder outreach and coordination efforts. Rachel is overseeing the permitting of the Vineyard Wind BOEM Lease areas.

Ruth Perry, Ph.D., Marine Science and Regulatory Policy Specialist

Shell Exploration and Production Company; Mayflower Wind Energy, LLC

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Dr. Ruth Perry joined Shell Oil Company as a Marine Scientist and Regulatory Policy Specialist in 2014. She advises on environmental permitting strategy and is supporting Shell's US offshore wind projects in this capacity and in working with stakeholders on environmental concerns and possible science and data solutions. Ruth integrates marine science and ocean technology into regulatory policy advocacy and decision-making in the areas of marine sound, marine spatial planning, renewable offshore energies, ocean observing, and marine mammal and life science in the Americas. Ruth is also responsible for helping Shell to develop public-private science and data collaborations to improve energy industry and the communities' knowledge of the offshore marine environment. She has a number of peer-reviewed and media publications on these collaborations, including Popular Mechanics. Ruth has nearly 15 years of ocean technology research and system implementation, environmental permitting advising, and ocean policy and regulatory analysis and advocacy. She also serves as a member of many offshore national scientific steering committees and Boards, a few including the National Academy of Sciences Ocean Studies Board and the National Oceanic Atmospheric Administration (NOAA) Science and Ocean Observing Science Advisory Committees. She earned a doctorate in Oceanography from Texas A&M University in 2013 and worked for NOAA for joining Shell.

UPCOMING EBC PROGRAMS, MEETINGS, AND EVENTS

JANUARY 2019

- January 24 – Connecticut Stormwater Program: MS4 Compliance Resources for Year Two and Beyond
- January 29 – Ascending Professionals Program: The Art of Working Together
- January 30 – Ascending Professionals Committee Program Planning Meeting
- January 30 - Ocean and Coastal Resources Program: Numerical Modeling in Coastal Planning and Design
- January 31 – 13th Annual Construction and Demolition Materials Management Summit

FEBRUARY 2019

- February 6 – 2nd Annual Ascending Professionals Charity Networking Night
- February 13 – Rhode Island Briefing from the RI Coastal Resources Management Council Leadership
- February 14 – Water Resources Program: Financing Alternatives for Stormwater MS4 Utilities
- February 15 – New Hampshire Briefing from the NH Department of Environmental Services Leadership
- February 20 – Connecticut Ascending Professionals Program: Career Panel
- February 26 – Climate Change Program: Design Criteria
- February 27 – Ocean and Coastal Resources Program: 3rd Annual Coastal Construction Conference
- February 27 – Professional Development: Project Management for the Ascending Professional

MARCH 2019

- March 1 – Climate Adaptation Forum: The ‘R’ Word – Retreat, Relocation and Climate Resilience
- March 5 – Rhode Island & RISEP Program: Legislative Briefing
- March 12 – New Hampshire Energy Program: Non Wire Alternatives
- March 13 – New Hampshire Ascending Professionals: Data Management Program
- March 14 – Professional Development: Dam Management 101
- March 19 – Connecticut Program: Annual Legislative Briefing
- March 22 – Ocean & Coastal Resources Program: The Northeast Ocean Data Portal
- March 27 – Evening Program: Annual Review from MassDEP Commissioner Marty Suuberg
- March 29 – Solid Waste Management Program: “Talking Trash” Northern New England

APRIL 2019

- April 4 – Site Remediation & Redevelopment Briefing from the MassDEP Bureau of Waste Site Cleanup
- April 9 – Energy Resources Program: States Procurement of Renewables
- April 10 – Rhode Island Program: Briefing from State Agency Leadership
- April 11 – Infrastructure Program: Legislative Briefing – Federal Activities
- April 12 – Dam Management Program: Dam Removal & Sediment Management
- April 24 – Ocean & Coastal Resources Program: Implementation of Municipal Vulnerability Assessments
- April 25 – Connecticut Update from the U.S. EPA Region 1 Regional Administrator and CT DEEP
- April 26 – Climate Change Program: Business and Facility Planning and Preparedness
- April 29 – Solid Waste Management Program: “Talking Trash” Southern New England
- April 30 – Energy Resources Site Visit to ISO New England