



EBC 8th Annual New England Offshore Wind Conference
2020 Decisions and Outlook for Permits, Procurements, and Ports

Wednesday, December 2, 2020

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Program Chairs

Wayne Cobleigh, Vice President, GZA GeoEnvironmental, Inc.

Eric Nestler, Senior Principal Scientist, Marine Practice Lead, Normandeau Associates, Inc.

Nathalie Schils, Director of Offshore Energy, Tetra Tech

AGENDA

8:30 a.m. **Welcome:** Daniel Moon, President, Environmental Business Council

Keynote Remarks from Platinum Sponsor

- Elisabeth Treseder, New England Market Lead, Equinor Wind US

Program Introduction and Overview

- Wayne Cobleigh, Conference Co-Chair
Vice President, GZA GeoEnvironmental, Inc.



Welcoming Remarks

The Honorable Gina Raimondo

Governor of the State of Rhode Island

8:45 a.m. Federal and State Offshore Wind Energy Year in Review and Outlook for 2021

Moderator: Eric Nestler, Conference Co-Chair
Senior Principal Scientist, Normandeau Associates, Inc.

Bureau of Ocean Energy Management, U.S. Department of the Interior

- James Bennett, Program Manager, Renewable Energy Program

Connecticut Department of Energy and Environmental Protection

- Katie Dykes, Commissioner

Massachusetts Department of Energy Resources

- Patrick Woodcock, Commissioner

Maine Governor's Energy Office

- Dan Burgess, Director

9:30 a.m. Update from Leaseholders and Developers in CT, MA, RI, and Beyond

Moderator: Nathalie Schils, Conference Co-Chair
Director of Offshore Energy, Tetra Tech

Vineyard Wind, LLC

- Nathaniel Mayo, Director, Public Affairs

Mayflower Wind Energy, LLC

- Ruth Perry, Marine Science and Regulatory Policy Specialist

Ørsted / Revolution Wind – Joint venture with Eversource

- Sophie Hartfield Lewis, Head of Permitting, Marine Affairs & Real Estate

Equinor Wind U.S.

- Scott Lundin, Head of Permitting – New England

10:30 a.m. Networking Opportunity – Zoom Breakout Rooms

10:50 a.m. U.S. Offshore Wind Standards Compliance: Energy Storage & Global Port Trends

- Walter Musial, Principal Engineer, National Renewable Energy Laboratory
- Igor Dabik, Manager, Infrastructure and Project Finance, Deloitte US

11:20 a.m. Impact Mitigation & Stakeholders: Panel and Audience Q&A

Decisions and Lessons from 2020 – Fishing, Marine-life, Environmental, Workforce, and Economic Development

Moderator: Wayne Cobleigh, Conference Co-Chair
Vice President, GZA GeoEnvironmental, Inc.

Panel Members:

- Bruce Carlisle, Managing Director of Offshore Wind
Massachusetts Clean Energy Center
- Beth Casoni, Executive Director, Massachusetts Lobstermen's Association
- Chris Hansen, Professor, University of Massachusetts Lowell
- David Michel, Connecticut State Representative
Connecticut Offshore Wind Commission for Environmental Standards
- Francis Pullaro, Executive Director, RENEW Northeast

With Offshore Wind Developer and Government Presenters

- James Bennett, BOEM
- Dan Burgess, ME Governor's Energy Office
- Igor Dabik, Deloitte US
- Katie Dykes, CT Department of Energy and Environmental Protection
- Sophie Hartfield Lewis, Ørsted
- Scott Lundin, Equinor Wind U.S.
- Walter Musial, National Renewable Energy Laboratory
- Nathaniel Mayo, Vineyard Wind LLC
- Ruth Perry, Mayflower Wind Energy, LLC
- Patrick Woodcock, MA Department of Energy Resources

12:30 p.m. **Adjourn – Closing Comments – Wayne Cobleigh, GZA**

CONFERENCE CO-CHAIRS**Wayne Cobleigh**, Vice President

GZA GeoEnvironmental, Inc.

249 Vanderbilt Avenue Norwood, MA 02062

781-278-3848 | M 860-250-6790 | wayne.cobleigh@gza.com

Wayne is GZA's corporate membership representative to the American Wind Energy Association (AWEA) and the Business Network for Offshore Wind. He is a member of the AWEA Offshore Wind Technical Advisory Panel (OWTAP) Geotechnical Subcommittee for the development of U.S. offshore wind technical practice standards. He is responsible for client relationship and business development with GZA's port development, offshore wind and power clients.

Eric Nestler, Senior Principal Scientist, Marine Practice Lead

Normandeau Associates, Inc.

25 Nashua Road, Bedford, NH 03110

603-637-1146 | enestler@normandeau.com

Eric Nestler oversees the Marine Services practice at the Normandeau Bedford, NH corporate offices. As a project manager, he is responsible for complex projects that support licensing and compliance requirements in marine and estuarine environments. His experience includes permitting support and NEPA analysis for marine and coastal construction projects and long-term ocean monitoring for NPDES compliance. Eric has project experience with offshore wind, power transmission, wastewater discharges, power plant thermal

effluents, dredging, LNG facilities, and other ocean and coastal development projects. During the past decade he has overseen and contributed to numerous projects involving ecological resource characterization and impact assessment for offshore wind.

Nathalie Schils, Director of Offshore Energy

Tetra Tech

10 Post Office Square, 11th Floor, Boston MA 02109

617-443-7579 | nathalie.schils@tetratech.com

Nathalie Schils is Tetra Tech's Director of Offshore Energy and has been with Tetra Tech since 2012. As a Project Manager, Nathalie has supported offshore wind and energy developers along the East Coast from Massachusetts to North Carolina with development of Site Assessment Plans (SAPs), Construction and Operations Plans (COPs), and other federal and state filings to support siting and development of offshore wind projects. Previously, Nathalie provided permitting and regulatory support including work related to transmission lines, natural gas pipelines and terrestrial wind and solar projects. Nathalie was a recipient of EBC's Ascending Leader Award in 2020.

SPEAKERS

James Bennett, Chief, Office of Renewable Energy Programs

Bureau of Ocean Energy Management (BOEM)

U.S. Department of the Interior

45600 Woodland Road, Sterling, VA 20166

703-787-1660 | James.Bennett@BOEM.gov

Jim Bennett is the Program Manager for the Bureau of Ocean Energy Management's (BOEM) Renewable Energy Program. With nearly 40 years of experience in the environmental and energy sectors, Jim oversees the responsible development of renewable energy resources on the Outer Continental Shelf through conscientious planning, stakeholder engagement, comprehensive environmental analysis, and sound technical review. Offshore wind is a vital national asset and has the potential to help contribute to the nation's energy diversity for decades to come. BOEM's renewable energy program now manages 16 active leases of 1,742,252 million acres on the Outer Continental Shelf (OCS) from Massachusetts to North Carolina. Previously, Jim led BOEM's Division of Environmental Assessment, overseeing the Bureau's compliance with the National Environmental Policy Act (NEPA) and other environmental laws focusing on Federal OCS programs, including oil and gas, sand and gravel, and renewable energy. His experience encompasses events such as the Exxon Valdez and the Deepwater Horizon oil spills, the Cape Wind energy project, and offshore renewable energy activities particularly in the promising waters of the Atlantic. He is a graduate of the Department's Manager Development Program and has earned two Master's degrees -- one in Environmental Planning and the other in Computer Systems Management.

Dan Burgess, Director

Governor's Energy Office, State of Maine

62 State House Station, Augusta, ME 04333-0062

207-624-7449 | Dan.Burgess@maine.gov

Dan Burgess, was appointed as the Director of the Maine Governor's Energy Office by Governor Janet Mills in March of 2019. Prior to his return to his home state of Maine, Burgess spent eight years working in leadership roles at the Massachusetts at the Department of Energy Resources and the Executive Office of Energy and Environmental Affairs. Burgess has a business degree from the University of Maine Orono and a masters in Public Administration from Northeastern University.

Bruce Carlisle, Managing Director, Offshore Wind
Massachusetts Clean Energy Center
63 Franklin Street, Boston, MA 02110
617-315-9330 | bcarlisle@masscec.com

Bruce K. Carlisle is the Managing 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 of the Bureau of Ocean Energy Management's Intergovernmental Task Forces for Offshore Renewable Energy. Bruce also oversees the operations of the New Bedford Marine Commerce Terminal, the nation's first purpose-built facility designed to support the staging, assembly, deployment, and construction of offshore wind projects. Mr. Carlisle holds a Masters in Environmental Policy degree from Tufts University.

Beth Casoni, Executive Director
Massachusetts Lobstermen's Association
8 Otis Place, Scituate, MA 02066
781-545-6984 x1 | M 508-738-1245 | beth.casoni@lobstermen.com

Beth Casoni is a pro-active participant in many areas involving the commercial fishing industry with her primary focus on the commercial lobster industry. As the Executive Director for the Massachusetts Lobstermen's Association Beth is the boots on the ground representative for the commercial fishermen and will always give them the shore side support needed to ensure their continued success on the water. Beth currently sits on the MA Fishermen's Working Group for Offshore Wind, MA Ocean Planning Committee, MA Ocean Acidification Commission, MA Seafood Marketing Commission, Atlantic Large Whale Take Reduction Team, and the New England Fisheries Management Commission Herring and Habitat Advisory Panel. Beth's past professional experiences range from law enforcement, sales, and customer service and she utilizes all of these experiences to better serve the commercial fishermen. Beth grew up in a large fishing area within her town and has commercial fishermen in her family so; her personal experiences give her the heart and drive to keep moving forward with purpose and determination to better represent the commercial fisherman.

Igor Dabik, Manager, Deloitte Infrastructure & Project Finance
Deloitte Transactions and Business Analytics, LLP
1919 N. Lynn Street, Arlington VA 22209
571-212-5750 | idabik@deloitte.com

Igor is a Manager in Deloitte's Infrastructure and Project Finance practice based in Washington DC. He advises public sector clients on evaluating, procuring, structuring, financing and commercializing infrastructure projects. He has experience as financial advisor and principal investor across the real assets sector, including ports and terminals (dry bulk, container, passenger, ferry, LNG, other specialty ports), energy, transportation, water, power and social infrastructure. Part of Igor's work includes serving as a Global Strategic Ports Advisor to the U.S. Government. Prior to Deloitte, Igor worked as a renewable energy and port investment analyst covering assets on the U.S. East and Gulf Coasts and the Amsterdam-Rotterdam-Antwerp (ARA) region in Europe.

Katie S. Dykes, Commissioner

Connecticut Department of Energy & Environmental Protection (DEEP)
79 Elm Street, Hartford, CT 06106

Contact: Carmen Colón, Assistant to Commissioner Dykes
860-424-3571 | Carmen.Colon@ct.gov

Katie Scharf Dykes is the Commissioner of Connecticut's Department of Energy & Environmental Protection (DEEP). She was nominated by Governor Ned Lamont to serve as the Commissioner of DEEP and was confirmed on February 20, 2019. Katie previously served as Chair of the Connecticut Public Utilities Regulatory Authority (PURA) from 2015-2018, and as Deputy Commissioner for Energy at Connecticut DEEP from 2012-2015. Katie also served as the Chair of the Board of Directors of the Regional Greenhouse Gas Initiative, Inc. (RGGI) from 2014 to 2017. RGGI is a multi-state effort focused on reducing carbon emissions from electric generating facilities. Katie joined CT DEEP in March 2012 after prior service as Deputy General Counsel for the White House Council on Environmental Quality and as a Legal Advisor to the General Counsel for the U.S. Department of Energy. She is a graduate of Yale College and the Yale Law School.

Christopher Hansen, Associate Professor, Department of Mechanical Engineering

University of Massachusetts Lowell

North Campus, Dandeneau Hall 214, One University Ave, Lowell, MA 01854

978-934-2932 | Christopher_hansen@uml.edu

Christopher Hansen is an Associate Professor of Mechanical Engineering at the University of Massachusetts Lowell. Recently, Dr. Hansen is leading a MassCEC-funded effort in offshore wind workforce development for B.S., M.S. and Ph.D. levels in multiple disciplinary areas. He received a B.S. in Materials Engineering from Iowa State University (2005) and a Ph.D. in Materials Science & Engineering from the University of Illinois at Urbana-Champaign (2011). He has four primary topics of active research: fiber-reinforced composites manufacturing, additive manufacturing (i.e., 3D printing), toxics use reduction, and engineering education. Dr. Hansen was involved in the formation of the NSF I/UCRC (Industry-University Cooperative Research Center) WindSTAR and has been active in its operation and research topics. The Center is devoted to industry-relevant wind energy research, and he has worked on projects of self-healing of wind turbine composites, optimized repair of damaged composites, characterization for improved process modeling, and adhesive bondline properties. He has co-advised two teams in the NREL Collegiate Wind Competition at AWEA, placing 3rd and 2nd nationally.

Sophie Hartfield Lewis, Head of Permitting, Marine Affairs & Real Estate

Ørsted Offshore North America

56 Exchange Terrance, Providence, RI 02903

857-408-6104 | SOPHA@orsted.com

Sophie Hartfield Lewis is an energy industry professional with over 13 years of experience in energy project permitting, strategic planning, stakeholder management in various markets and for various technologies. Sophie's professional background includes experience of working in various energy sectors from energy trading to conventional power station permitting through to onshore and offshore wind. Sophie led and managed the team that achieved the permission to build the world's largest offshore windfarm at the time, Hornsea Project Two, following this Sophie managed the UK strategic and permitting team from an environmental perspective to maintain the Orsted UK Portfolio of Projects, which generates over 2.5 GW for the UK. Sophie now leads the North America Permitting, Marine Affairs and Real Estate department who support Orsted's variety of Projects in various stages throughout the development cycle and provide strategic and project specific advice on mitigating environmental risks, securing real estate, stakeholder management, maritime advice and ensures the successful progression and operation of the North America portfolio.

Scott Lundin, Head of Permitting – New England

Equinor Wind US

One Lincoln Street, Boston, MA 02111

617-655-3077 | SCLU@equinor.com

Scott Lundin has been involved with the US offshore wind industry since 2006. He specializes in siting, permitting, and environmental assessment for offshore wind facilities and transmission systems. Scott began his career as a geological oceanographer and spent two years at sea, conducting marine geophysical surveys. In 2008, Scott began focusing on environmental assessments and permitting for complex offshore infrastructure projects on the US East Coast including offshore wind and submarine transmission systems. In his role at Equinor, Scott is responsible for the permitting and environmental assessment program for the Beacon Wind Project. He is native of southern New England and earned an MBA from Bryant University, a Masters in geological oceanography from the University of Rhode Island, and Bachelors of Science in geology from Northeastern University.

Nathaniel Mayo, Director, Public Affairs

Vineyard Wind

700 Pleasant Street, Suite 510, New Bedford MA 02740

508-717-8964 | nmayo@vineyardwind.com

Nathaniel Mayo is Vineyard Wind's Director of Public Affairs. He oversees local policy issues for Vineyard Wind, heading outreach and coordination efforts with various stakeholders and works on permitting efforts at the state, regional and local level.

Nate is a 12th-generation Cape Cod native with over a decade in public policy and community engagement on Cape Cod, having worked on environmental, energy and fisheries issues. He worked for U.S. Congressman William Delahunt and served as legislative director to former Cape and Islands State Sen. Robert O'Leary. He holds a MA in Environmental Policy from Tufts University, and serves as vice-chair of the Conservation Commission in Provincetown.

State of Connecticut Representative David Michel

Legislative Office Building, Room 4000, Hartford, CT 06106-1591

800-842-8267 | M 860-240-8585 | David.Michel@cga.ct.gov

Rep. David Michel is proud to serve as State Representative for the 146th House District, which is wholly in Stamford, and spans much of the South End neighborhood, Shippan, and downtown. He is determined to advocate on behalf of his constituents to protect the environment and improve Connecticut's economy. He is a member of Connecticut's Offshore Wind Commission for Environmental Standards. Rep. Michel moved to the U.S. from France when he was 14 years old and has lived on Long Island Sound ever since. Rep. Michel looks to bring his experience as a devoted environmental activist and entrepreneur to Hartford to work hard on social and environmental justice. He has been appointed by Speaker of the House Joe Aresimowicz (D-Berlin/Southington) as Assistant Majority Leader and serves on the Environment Committee, Planning and Development Committee, and Public Health Committee.

Walt Musial, Principal Engineer, Offshore Wind Lead

National Renewable Energy Laboratory

15013 Denver West Parkway. MS3811, Golden, CO 80401-3305

303-384-6956 | M 303-349-9819 | walter.musial@nrel.gov

Walt Musial is a principal engineer and leads the offshore wind research platform at the National Renewable Energy Laboratory (NREL) where he has worked for 32 years. In 2003 he initiated the offshore wind energy research program at NREL which focuses on a wide range of industry needs and critical technology

challenges. Walt also developed and ran NREL's full scale blade and drivetrain testing facilities for 15 years. Earlier, Walt worked as a test engineer for five years in the commercial wind energy industry in California. He studied Mechanical Engineering at the University of Massachusetts - Amherst, where he earned his bachelor's and master's degrees, specializing in energy conversion with a focus on wind energy engineering. He has over 150 publications and two patents.

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

Mayflower Wind Energy, LLC
Shell Exploration and Production Company
150 North Dairy Ashford, E-890C, Houston, TX 77079
823-337-8038 | ruth.perry@shell.com

Dr. Ruth Perry joined Shell as a Marine Scientist and Regulatory Policy Specialist in 2014. She supports Shell's US offshore energy projects by advising on environmental permitting and in working with stakeholders to develop science and data solutions to understanding potential impacts to the environment. 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 energy, fisheries, 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, such as real-time monitoring programs with deep-sea ROVs, ocean buoys and autonomous technology, 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, notably including the National Academy of Sciences Ocean Studies Board and the National Oceanic Atmospheric Administration (NOAA) Science Advisory Board and Flower Garden Banks National Marine Sanctuary Advisory Council. She earned a doctorate in Oceanography from Texas A&M University in 2013 and worked for NOAA for joining Shell.

Francis Pullaro, Executive Director

RENEW Northeast (RENEW)
P.O. Box 383, Madison, CT 06443
646-734-8768 | fpullaro@renew-ne.org

In leading RENEW, an association of the renewable energy industry and environmental public interest groups in New England, Francis promotes clean renewable technologies for the region that will increase energy diversity, spur economic development, and improve environmental quality. Francis received his J.D. from the University of Connecticut and his B.A. from Colby College. He is a member of the Energy Bar Association and has been admitted to practice law in Massachusetts and Connecticut. An aviation enthusiast, Francis is a certified airplane private pilot and holds an instrument rating. In his home community of Madison, Connecticut, he serves as the secretary of the Town's Energy & Efficiency Committee and as a member of the Scranton Library Board of Trustees.

Elisabeth Treseder, New England Market Lead

Equinor Wind US
One Lincoln Street, Boston, MA 02111
857-300-7767 | evog@equinor.com

Ms. Treseder is the New England Market Lead for Equinor's US Wind business. Ms. Treseder manages commercial, policy and stakeholder outreach for Beacon Wind. Prior to joining Equinor, Ms. Treseder was a lead advisor at Ørsted where she managed federal and state regulatory affairs. Previously, Ms. Treseder led infrastructure policy at the American Petroleum Institute in Washington DC and worked in energy mergers

and acquisitions at the US Department of Justice. She holds a master's degree in International Energy and Business from the Fletcher School at Tufts University and a Bachelor's Degree from Duke University.

Patrick Woodcock, Commissioner
Massachusetts Department of Energy Resources
100 Cambridge Street, Boston, MA 02108
patrick.c.woodcock@mass.gov

Contact: Jane B. Strong, Executive Assistant to Commissioner Patrick Woodcock
617.626.7332 | jane.b.strong@state.ma.us

Patrick Woodcock was named DOER Commissioner in February 2020. Formerly, the Executive Office of Energy and Environmental Affairs' Undersecretary of Energy, Commissioner Woodcock was named Acting Commissioner in December 2019 and served in this role until his current appointment.

Woodcock joined the Baker-Polito Administration in 2017 and served as the Undersecretary of Energy in the Executive Office of Energy and Environmental Affairs for over two years. In that position, Woodcock oversaw the Department of Energy Resources and the Department of Public Utilities. Woodcock serves on the Massachusetts Clean Energy Center Board and Investment Committee, represents Massachusetts on the Boards of the Regional Greenhouse Gas Initiative Inc. and National Association of State Energy Officials, and is a member of the Energy Facilities Siting Board.

Prior to his time in the administration, Woodcock was Director of the Maine State Energy Office, a position he held from 2013 through 2016. Previously, Woodcock worked for United States Senator Olympia Snowe in her Washington, D.C. office. Woodcock graduated from Bowdoin College and holds a Bachelor of Arts degree in Government.

UPCOMING EBC PROGRAMS

DECEMBER 2020

December 2: Climate Adaptation Forum Networking Event – Climate Cocktails
December 7: Energy Resources Committee Virtual Program Planning Meeting
December 7: Dam Management Committee Virtual Program Planning Meeting
December 8: Water Resources Webinar – The Clean Water Act at (Almost) 50
December 8: New Hampshire Chapter Virtual Program Planning Meeting
December 9: Rhode Island Chapter Virtual Program Planning Meeting
December 10: Climate Change Webinar – Boston Harbor Regional “Layered Defense” System
December 15: Leadership Webinar – NAIOP Massachusetts CEO Tamara Small

JANUARY 2021

January 7: Briefing from MassDEP Headquarters Leadership Team with Keynote Speaker Suuberg
January 11: Infrastructure Committee Virtual Program Planning Meeting
January 11: Ocean and Coastal Resources Virtual Program Planning Meeting
January 12: Site Remediation and Redevelopment Webinar – Risk Communication “Best Practices”
January 13: New Hampshire Webinar – Changing Precipitation Patterns
January 14: 3rd Annual Briefing by the New England State Dam Safety Directors
January 20: Leadership Webinar – Massachusetts Environmental and Energy Agenda for 2021