



EBC Climate Change Program Series
Part One: Adaptation and Resiliency Programs at the State Level

Friday, February 10, 2017

Nixon Peabody LLP
100 Summer Street
Boston

AGENDA

- 8:00 a.m. **Welcome: Ruth Silman, Chair, EBC Climate and Air Committee**
Partner, Nixon Peabody LLP
- Introduction: Steve Barrett, Program Chair & Moderator**
Principal, Barrett Energy Resources Group
- 8:15 a.m. **Executive Order 569, Statewide Climate Adaptation Plan**
- **Katie Theoharides**, Director of Climate and Global Warming Solutions
Executive Office of Energy and Environmental Affairs
Commonwealth of Massachusetts
- 8:40 a.m. **Building Resilience: Resilience Planning at DCAMM**
- **Jeremy Caron**, Sr. Energy and Sustainability Project Manager
Energy and Sustainability Program
Division of Capital Asset Management and Maintenance
Commonwealth of Massachusetts
- 9:00 a.m. **Transportation: Reducing Vulnerability and Adapting Infrastructure**
- **Steven J. Miller**, Supervisor, Environmental Management and Sustainability
Massachusetts Department of Transportation
- 9:20 a.m. **StormSmart Coasts – Working with Coastal Communities**
- **Bruce Carlisle**, Director, Massachusetts Office of Coastal Zone Management
- 9:40 a.m. **Benefits of Ecological Restoration to Climate Resiliency**
- **Tim Purinton**, Director, Division of Ecological Restoration
Department of Fish and Game
Commonwealth of Massachusetts

10:00 a.m. **Networking Break**

10:30 a.m. **DOER Community Clean Energy Resiliency Initiative: Round 3**

- **Will Lauwers**, Director of Emerging Technology
Department of Energy Resources
Commonwealth of Massachusetts

11:00 a.m. **Panel Discussion**

Moderator: Steve Barrett, Barrett Energy Resources Group

Panelists:

- Katie Theoharides, Executive Office of Energy and Environmental Affairs
- Jeremy Caron, Division of Capital Asset Management and Maintenance
- Steven J. Miller, Massachusetts Department of Transportation
- Bruce Carlisle, Massachusetts Office of Coastal Zone Management
- Tim Purinton, Department of Fish and Game
- Will Lauwers, Department of Energy Resources

12:00 p.m. **Closing Remarks – Ruth Silman – Adjourn**

PROGRAM CHAIR

Steve Barrett, Principal

Barrett Energy Resources Group

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Steve is Principal of Barrett Energy Resource Group and a LEED Accredited Professional. He is also Vice President of Minuteman Wind LLC which is developing a 12.5 MW wind project in Savoy Massachusetts. Steve has over 20 years of experience in environmental policy and regulation. His professional career includes work for international, federal and state agencies, municipalities, and private consulting firms. For the past 10 years, he has focused on renewable energy and sustainable development.

Steve is presently developing guidance and serving as a technical advisor to the United Nation's International Civil Aviation Organization (ICAO) for its renewable energy and emission reduction programs. He is the lead author of the Federal Aviation Administration's Solar Policy (November 2010) and the Principal Investigator for three separate studies of the economic and technical feasibility of renewable energy at airports funded by the National Academy of Sciences. Steve also has a strong interest in marine renewable energy, is working on tidal and wave energy projects proposed in Massachusetts and New Hampshire, and serves as Chairman of the Board of Directors for the Marine Renewable Energy Collaborative (MRECo) of New England. He holds a BA in International Policy from Union College in Schenectady New York and an MA in Environmental Policy and Science from the University of Virginia in Charlottesville.

SPEAKERS

Bruce Carlisle, Director
Massachusetts Office of Coastal Zone Management (CZM)
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Bruce K. Carlisle is the Director of the Massachusetts Office of Coastal Zone Management (CZM), providing oversight and administration for the agency. Mr. Carlisle directs policy development, planning efforts, and technical approaches for CZM program areas including ocean planning, offshore renewable energy, shoreline and floodplain management, climate change adaptation and coastal resilience planning, habitat protection and restoration, port and harbor planning, water quality, seafloor and tidal habitat mapping, and GIS/data management. Bruce also supervises CZM's regulatory review of coastal and ocean projects, ranging from municipal waterfront development and dredging to offshore wind turbines and LNG facilities. He formerly served as both Acting and Assistant Director for CZM, as well as the manager for the Commonwealth's Wetlands Restoration Program, where he led collaborative efforts to restore former and degraded wetlands. Prior to that, Bruce served as a project manager and principal investigator for coastal wetland assessment projects and as a specialist in water resources policy, monitoring, and planning. He holds a Masters in Environmental Policy degree from Tufts University.

Jeremy Caron, BOC Level 1, LEED AP O+M, Sr. Energy and Sustainability Project Manager
Division of Capital Asset Management and Maintenance, Energy and Sustainability Program
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Jeremy Caron is a Sr. Energy and Sustainability Project Manager with the Massachusetts Division of Capital Asset Management and Maintenance. As a co-chair of the Resilience Working Group at DCAMM, Jeremy has lead the development of policies and strategies to transform resilience planning across his organization and coordinates the agency's statewide resilience planning efforts with other agencies and municipalities throughout the Commonwealth. Jeremy received a Masters of Sustainable Design from Boston Architectural College and a Bachelors of Political Science from the University of New England.

Will Lauwers, Director, Emerging Technology
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Will Lauwers is Director of Emerging Technologies for the MA Department of Energy Resources. The Emerging Technologies Division is primarily responsible for the Energy Storage Initiative, the Community Clean Energy Resiliency Initiative, and alternative transportation technologies initiatives. Will's past experience includes federal, military, and commercial contract program management with a concentration on research, development, and demonstrations of advanced power technologies. He co-founded the Energy Experience Center at the University of Dayton Research Institute, a testbed and demonstration site for emerging energy technologies to be operated and improved in conjunction with best-in-class components and equipment. Will holds an M.S. in Materials Engineering from the University of Dayton and a B.S. in Mechanical Engineering from Worcester Polytechnic Institute.

Steven J. Miller, Supervisor, Environmental Management and Sustainability
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Steven Miller has worked for MassDOT for 22 years. Steve is the Project Manager for the MassDOT-FHWA Pilot Project: assessing climate change and extreme weather impacts and vulnerabilities for the Central Artery in Boston. He is also the Project Manager for assessing impacts to transportation assets on the Massachusetts coast. He assists with climate change related projects including: 1) the MassDOT pilot project in the Deerfield Watershed, exploring how transportation assets react to increase precipitation and changes in fluvial geomorphology, and 2) the MassDOT statewide climate change vulnerability project being led by the MassDOT Office of Transportation Planning. Steve received his B.S. in Geology from Northeastern University.

Tim Purinton, Director, Division of Ecological Restoration
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Tim Purinton is Director of the Massachusetts Department of Fish and Game's, Division of Ecological Restoration (DER). Tim oversees a nationally award-winning Division that coordinates over sixty river, wetland, and stream flow restoration projects across the state. DER received 15 million dollars in Super Storm Sandy Resiliency grants to help the Commonwealth prepare for climate change. To date DER and partners have restored nearly 2,000 acres of coastal wetlands and reestablished continuity to approximately 150 miles of river and stream. Tim was awarded a Governor Bradford Fellowship for Excellence in Public Administration, which allowed him to receive a M.P.A. from Harvard University's Kennedy School of Government.

Kathleen Theoharides, Director, Climate and Global Warming Solutions
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Katie Theoharides is the director of climate and global warming solutions at the Executive Office of Energy and Environmental Affairs, where a focus of her work is implementing Executive Order 569. Prior to joining the state Theoharides spent the last six years running an environmental consulting business that provided services in policy development and analysis, stakeholder engagement and group facilitation, climate change adaptation, and conservation planning. She also worked as the Executive Director of a Massachusetts land trust and spent time in Washington, D.C. working on climate adaptation and environmental policy at Defenders of Wildlife. Theoharides has a B.A. in ecology from Dartmouth College and a Masters of Science from UMass-Boston.