



EBC Climate Change Program The Challenge of Designing Systems for an Uncertain Climate Future

Tuesday, February 26, 2019

Pierce Atwood LLP | Boston, Massachusetts

AGENDA

- 8:00 a.m. **Welcome:** Ruth Silman, Chair, EBC Climate Change and Air Committee
 Partner, Nixon Peabody LLP
- Welcome to Pierce Atwood LLP:** Michelle O'Brien, Partner
- Program Overview and What You Will Learn**
- Scott Turner, Program Chair and Moderator
 Director of Planning, Nitsch Engineering
- 8:15 a.m. **Legal Liability for Failing to Adapt**
- Deanna Moran, Director of Environmental Planning
 Conservation Law Foundation Massachusetts
- 8:40 a.m. **Responding to Potential Climate Change Liability**
- Barbara Landau, Counsel, Noble, Wickersham & Heart LLP
- 9:05 a.m. **Designing Stormwater Systems for Higher Intensity Rainfall Events**
- Sandy Brock, Chief Engineer, Nitsch Engineering
- 9:30 a.m. **Networking Break**
- 10:00 a.m. **Designing for Sustainability and Resiliency on the Mystic River –
Encore Boston Harbor**
- Chad W. Cox, P.E., Civil Engineer / Senior Principal, GZA
- 10:25 a.m. **Climate Design Challenges & Opportunities: An Architectural Perspective**
- Ellen Watts, FAIA, LEED AP, President and Co-Founder, Architerra

10:50 a.m. Panel Discussion

Panel Moderator: Scott Turner, Nitsch Engineering

Panelists:

- Sandy Brock, Nitsch Engineering
- Chad Cox, GZA
- Barbara Landau, Noble, Wickersham & Heart, LLP
- Deanna Moran, Conservation Law Foundation
- Ellen Watts, Architerra

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

PROGRAM CHAIR

Scott Turner, P.E., AICP, LEED AP ND, Director of Planning
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Scott Turner is a certified planner and registered professional civil engineer with over 25 years of experience. He is responsible for the management and growth of Nitsch Engineering's sustainable site consulting, stormwater master planning, campus planning, and resilience practice areas. In addition, Scott provides planning and site design services for commercial and private sector development.

In addition to the Environmental Business Council, Scott is active in a number of professional organizations including the American Planning Association (where he is past - Chair of the Sustainable Communities Division and a member of the Water and Planning Steering Committee), the Urban Land Institute, and the Environmental Business Council. He earned his B.S. in Civil Engineering and Environmental Studies from Tufts University and his M.S. in City Planning from the Georgia Institute of Technology.

SPEAKERS

Sandy Brock, Chief Engineer
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Sandy Brock has over 28 years of experience in the civil engineering field. A registered Professional Engineer in Massachusetts, a LEED Accredited Professional, and a Certified Floodplain Manager, Sandy has developed an expertise in sustainable site design. Her efforts for various private owners and state agencies in preparing site plans and reports have given her a strong background in land use planning to meet local zoning and planning regulations.

Sandy graduated from the University of Massachusetts Lowell with a B.S. in Civil Engineering. She spent two years designing and constructing rural water supplies in Malawi, Africa for the Peace Corps. She is a member of the Board of Directors for the USGBC MA Chapter, and is co-chair of the Grafton Conservation Commission. Sandy has presented at various industry events on topics such as site development permitting and stormwater management best management practices.

Chad W. Cox, P.E., Civil Engineer / Senior Principal

GZA

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Chad W. Cox, P.E. is a civil engineer and senior principal with GZA. Chad holds civil engineering degrees from Princeton University and the Massachusetts Institute of Technology and focuses on water resources issues. Chad's work in the field of resiliency has included managing multiple flood vulnerability re-assessment studies at nuclear power plants around the nation and, closer to home, assisting commercial property owners in the Boston area with developing flood emergency response plans for facilities vulnerable to riverine and coastal flooding. Chad is the district office manager for GZA's Metro-Boston operations. Prior to joining GZA, Chad did water supply work in Nepal while serving as a volunteer with the Peace Corps.

Barbara K. Landau, Counsel

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Barbara Landau is attorney at Noble, Wickersham & Heart LLP. Barbara specializes in environmental, land use, and construction law. In her environmental practice, she assists municipalities, property owners, and non-profit organizations with environmental planning and compliance, zoning, coastal resilience, wetlands compliance and brownfields cleanup and redevelopment. Most recently, Barbara developed zoning recommendations to implement the Cambridge Climate Change Preparedness & Resilience Plan and led the regulatory and policy implementation strategy development for the Climate Ready Boston report, Coastal Resilience Solutions for South Boston. Prior to joining Noble, Wickersham & Heart LLP Barbara held positions as General Counsel of a brownfields developer, Brownfields Coordinator at MassDEP where she developed and implemented the Massachusetts Brownfields Act, and as Assistant General Counsel at the Massachusetts Executive Office of Economic Affairs. She also practiced environmental law at BCK Law and Foley Hoag. Barbara received her J.D. from Northeastern University School of Law, a Masters in City and Regional Planning from Harvard University and her B.A. from Oberlin College.

Deanna Moran, Director of Environmental Planning

Conservation Law Foundation Massachusetts

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Deanna Moran is the Director of Environmental Planning at the Conservation Law Foundation where she focuses on climate change in the built environment through planning, development, and regulation. Deanna oversees climate adaptation activities for Southern New England and manages CLF's Boston Harbor Public Access Initiative. She is the co-author of a CLF report on Climate Adaptation and Liability. Prior to joining CLF, Deanna spent three years at New Jersey Community Capital, a community development financial institution, where she worked with local governments and other stakeholders to devise and implement neighborhood revitalization strategies including the reclamation of vacant and abandoned properties. She has consulted on a number of planning and policy-based projects for organizations including the Southern Coalition for Social Justice and the New Jersey Climate Adaptation Alliance. Deanna is active in a number of professional organizations including the American Planning Association and the American Society of Adaptation Professionals. She received a Masters of City and Regional Planning and a Masters of Public Policy from Rutgers University and a B.A. in Environmental Design from the University at Buffalo.

Ellen Watts, FAIA, LEED, President & Co-Founder
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Ellen is the driving force behind Boston-based Architerra, a mission-driven architecture and planning firm dedicated to climate action through design excellence. Since 2004, this studio-sized practice has won 30+ regional, national and international design awards for its specialized portfolio of zero energy buildings, sustainable master plans and resilient urban designs – including two American Institute of Architects Top Ten Green Buildings and top honors in the Boston Living with Water competition. Locally, Architerra is best known for the design of the Boston Public Market, Massachusetts Clean Energy Center's Wind Technology Testing Center, and Division of Fisheries & Wildlife Field Headquarters.

An architect and planner, Ellen co-chaired the Massachusetts Governor's Zero Net Energy Building Task Force, served as president of Commercial Real Estate Women (CREW) Boston, and published "The State of Sustainability in Higher Education." A regular presenter on high performance design, Ellen currently serves on the Massachusetts Department of Energy Resources (DOER) Zero Energy Advisory Council and Boston Harbor Now Climate Task Force. She holds degrees in architecture, real estate development and government from Harvard, MIT and Smith respectively. In recognition of her work, Ellen was elected a 2018 Fellow of the American Institute of Architects.

Ellen is a champion of **rexBoston** – **resiliency exemplified** – a bold vision plan that embraces climate adaptation as an opportunity for growth and innovation in support of the City's recent planning initiatives. This proposal to catalyze 130 resilient projects and brand them as city-wide resiliency exposition was inspired by professional learning exchanges to Hamburg and Copenhagen, for which Ellen was a delegate and co-leader.

UPCOMING EBC PROGRAMS

MARCH 2019

March 1 – Climate Adaptation Forum: The 'R' Word – Retreat, Relocation and Climate Resilience
March 5 – Rhode Island & RISEP Program: Legislative Briefing
March 6 – Ascending Professionals Program: Health and Safety on Remediation Sites
March 12 – New Hampshire Energy Program: Non Wire Alternatives
March 15 – Climate Change Program: The Municipal Vulnerability Preparedness Program
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 – Rhode Island Program: Briefing from State Agency Leadership
April 9 – Energy Resources Program: States Procurement of Renewables
April 10 – Site Remediation & Redevelopment Briefing from the MassDEP Bureau of Waste Site Cleanup
April 11 – Ocean and Coastal Resources Program: 3rd Annual Coastal Construction Conference
April 12 – Dam Management Program: Dam Removal & Sediment Management
April 25 – Ocean & Coastal Resources Program: Implementation of Municipal Vulnerability Assessments
April 26 – Climate Change Program: Business and Facility Planning and Preparedness
April 29 – Solid Waste Management Program: "Talking Trash" Southern New England

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