



**EBC Climate Change Program Series, Part Five:**  
**Adaptation and Resiliency Programs in the Private Sector**

Thursday, September 14, 2017

GZA | Norwood, Massachusetts

**Thank you to our sponsor:**



**AGENDA**

- 8:00 a.m. Welcome: Ruth Silman, Chair, EBC Climate and Air Committee**  
Partner, Nixon Peabody LLP
- Program Introduction and Overview**
- Daniel C. Stapleton, Program Chair & Moderator; Senior Vice President, GZA
- 8:10 a.m. Changes Coming for Developers from Boston Planning & Development Agency**
- Ruth Silman, Chair, EBC Climate and Air Committee  
Partner, Nixon Peabody LLP
- Katrina, Irene, Sandy, Harvey and... Uncertainty – Climate Science & Consulting Practice Changes for Planners and Design Professionals**
- Daniel C. Stapleton, Program Chair & Moderator; Senior Vice President, GZA
- 8:30 a.m. Going Behind BARS – Small Business Awareness and Acting on Rising Seas in Coastal Massachusetts**
- Michael Green, Executive Director, Climate Action Business Association
- 8:50 a.m. Partnerships to Advance Climate Adaptation and City Resilience**
- Jason S. Hellendrung, ASLA, PLA, Vice President, Planning & Design, Tetra Tech

- 9:10 a.m. Commercial Real Estate Flood Vulnerability Assessments and Flood Emergency Response Plans**
- Patrick O'Toole, Director, Technical Services, U.S. Asset Management  
John Hancock Real Estate
  - Samuel J. Bell, Senior Hazard Mitigation Specialist, GZA
- 9:30 a.m. Clippership Wharf, A Waterfront Residential Development by Lendlease in East Boston – Planning for Future Climate Conditions**
- Jamie M. Fay, AICP, CEP, President, Fort Point Associates, Inc.
- 9:50 a.m. Montgomery County – Project Overview – Resilient Microgrid – Energy as a Service**
- David A. Reed, Director, Advanced Microgrids, Schneider Electric
- 10:10 a.m. Networking Break**
- 10:30 a.m. Speaker Panel Discussion: The Business Case for Climate Adaptation and Resiliency  
*What are the Returns on Resilience?***
- Moderator: Daniel Stapleton, GZA
- Panel Members:
- Michael Green, Climate Action Business Association
  - Jason Hellendrung, Tetra Tech
  - Patrick O'Toole, John Hancock Real Estate
  - Samuel Bell, GZA
  - Jamie Fay, Fort Point Associates, Inc.
  - David Reed, Schneider Electric
- 12:00 p.m. Closing Remarks – Wayne Cobleigh, Vice President- Client Services, GZA**

### **PROGRAM CO-CHAIRS**

**Daniel C. Stapleton, P.E.**, Senior Vice-President/Senior Principal

GZA

249 Vanderbilt Avenue, Norwood, MA 02062

781.278.5743 | Cell: 781.789.6728 | [daniel.stapleton@gza.com](mailto:daniel.stapleton@gza.com)

Dan is a Senior Principal and Senior Vice-President of GZA and a leader of GZA's Water Services group. He is currently directing GZA project teams in assessing the vulnerability of public and corporate owners of critical infrastructure to climate change and flooding throughout the United States. Dan is also the Principal-in-Charge for developing the Community Coastal Resilience Plan for the Towns of Stratford, CT and Old Saybrook, CT and Long Wharf Flood Protection Study in New Haven, CT, working in collaboration with these coastal municipalities, South Central Regional Council of Governments (SCRCOG) and the Greater Bridgeport Regional Council (GBRC). Dan is a recognized expert in flood and geo-hazard characterization, hazard vulnerability assessment, adaptation planning and design and coastal resiliency. Dan has over 30 years of experience and advanced degrees in geology, geotechnical and civil engineering, and ocean engineering, and

Environmental Business Council of New England, Inc.  
375 Harvard Street, Suite 2 | Brookline, MA 02446  
(617) 505-1818 | [ebc@ebcne.org](mailto:ebc@ebcne.org) | [@ebcne](https://www.ebcne.org) | [www.ebcne.org](http://www.ebcne.org)

is a Registered Professional Engineer. Dan is a prolific speaker on climate change, its effects on critical infrastructure and the application of "Risk-Informed Decision Making", and has addressed municipalities, industry groups and the Army Corps of Engineers around the United States on this issue. Dan is a member of key American Society of Civil Engineers (ASCE) subcommittees that form the ASCE Infrastructure Resilience Division-Civil Infrastructure and Lifeline Systems Committee. He is a member the Geo-Institute of ASCE and is currently a subject matter expert advising the Nuclear Energy Institute's (NEI's) Post-Fukushima response advisory group.

**Ruth Silman**, Managing Partner

Nixon Peabody LLP  
100 Summer Street, Boston, MA 02110  
617.345.6062 | [rsilman@nixonpeabody.com](mailto:rsilman@nixonpeabody.com)

Ruth Silman concentrates her practice on complex environmental and land use matters. She leads Nixon Peabody's Climate Change Team, a group of lawyers and environmental scientists/engineers who are assisting the firm's clients to meet the challenges and seize the opportunities emerging from legislative, regulatory, and judicial responses to the issues of climate change and sea level rise. Ruth assists clients with zoning, environmental impact, permitting, and compliance matters. Her extensive environmental experience includes addressing air quality, hazardous waste assessment and remediation, brownfields redevelopment, wetlands protection, and water quality issues. Ruth also serves as the Boston Office Managing Partner.

## **SPEAKERS**

**Samuel J. Bell**, Senior Hazard Mitigation Specialist

GZA  
249 Vanderbilt Avenue, Norwood, MA 02062  
781.278.3847 | [samuel.bell@gza.com](mailto:samuel.bell@gza.com)

Sam Bell is a Senior Hazard Mitigation Specialist and a Professional Planner with over 16 years of experience. Sam served as the Project Manager for the successful development of the Stratford Coastal Community Resilience Plan, and is currently the Project Manager assisting the Towns of Old Saybrook and Westport, CT in developing coastal resilience plans. Mr. Bell also served as the Project Manager providing HR&A coastal regulatory and permitting guidance as a part of the December 2016 Climate Ready Boston Final Report, and is assisting the Towns of Somerset and Milford, Massachusetts in developing local FEMA multi-hazard mitigation plans.

Prior to joining GZA, Mr. Bell worked for FEMA and was responsible for FEMA natural hazard mitigation and disaster resiliency technical assistance to coastal communities throughout New England, including Connecticut. Mr. Bell administered grants designed to protect critical facilities, public and private infrastructure, natural resources and historic districts in coastal and riverine environments. In Connecticut Sam has worked with many communities, the Connecticut Department of Emergency Services and Public Protection (DESPP) and the Department Energy and Environmental Protection (DEEP) to identify strategies and flood mitigation solutions to protect residences and critical facilities from incurring future damages from riverine and coastal flooding.

Mr. Bell's experience also includes administrative and technical supervision, training and technical assistance on Federal and State mitigation and resiliency grant programs to stakeholders throughout Connecticut to

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ensure compliance. Mr. Bell is currently assisting several communities in Connecticut on mitigation planning & resiliency funding. Sam has a Bachelor Environmental Design in Planning from the University of Colorado-Boulder and a Master of Arts in Urban and Environmental Policy and Planning from Tufts University.

**Jamie M. Fay, AICP, CEP**, Found and President

Fort Point Associates, Inc.

31 State Street, 3rd Floor, Boston, MA 02109

617.357.7044 x204 | [jfay@fpa-inc.com](mailto:jfay@fpa-inc.com)

Mr. Fay is the founder and president of Fort Point Associates, Inc., a multi-disciplinary planning and environmental consulting firm. Mr. Fay has been the principal-in-charge and lead consultant for the past 31 years for a variety of master planning, real estate development and public infrastructure projects. Notable public-sector projects include the \$2 billion Wynn Boston Harbor Resort, \$850 million Boston Convention and Exhibition Center, and the \$14 billion Central Artery/Tunnel project. Private sector projects include over \$4 billion in real estate development for retail, commercial, industrial, residential, and institutional uses. Mr. Fay is a member of the American Institute of Certified Planners and a Certified Environmental Planner, the former Chairman and member for 26 years of the Ipswich Finance Committee, Vice President and Trustee of The Boston Harbor Association in Boston for 25 years, Trustee of Boston Harbor Now, and a member of the Public Affairs committee of the National Association of Office and Industrial Properties (NAIOP).

**Michael Green**, Executive Director

Climate Action Business Association (CABA)

131 Cambridge Street, Boston MA 02114

617.624.0919 | [michael.green@cabaus.org](mailto:michael.green@cabaus.org)

Michael Green comes to CABA as a seasoned advocate for climate policy and environmental action. Since 2012, he has served as a representative to the United Nations focusing on international climate science and policy. As an activist, he has played strategic roles in several of the largest national, as well as international campaigns dedicated to fighting climate change. In his role at CABA, Michael manages staff and oversees the development of all program areas. He sits on the Board of Boston area non-profits as well as a policy advisor to national business associations on topics ranging from energy policy to climate adaptation. Michael is a Northeastern University graduate with degrees in international affairs and environmental studies, course work at the University of Edinburgh's MSc Program in Environmental Protection and Management and Harvard Business School's CORE Program.

**Jason Hellendrung, ASLA, PLA**, Vice President, Planning & Design

Tetra Tech Water, Environment & Infrastructure

101 Federal Street, Suite 600, Boston, MA 02110

508.786.2220 | [jason.hellendrung@tetratech.com](mailto:jason.hellendrung@tetratech.com)

Jason Hellendrung, ASLA is a Vice President and Director of Planning at Tetra Tech. In this role he directs landscape architecture, planning, and urban design work on a wide range of urban, public infrastructure projects. Mr. Hellendrung maintains a special interest and practice in the evolution and transformation of cities through infrastructure improvements, including the redevelopment of urban waterfronts and the integration of transit. His past projects include the HUD Rebuild by Design project for the Jersey Shore, developing 8 community reconstruction plans for NY Rising, redevelopment of the Allegheny Riverfront in

Pittsburgh, development of Shelby County's application to HUD's National Disaster Resilience Competition, and Climate Ready Boston. Mr. Hellendrung served as Managing Principal of the Cedar Rapids River Corridor Redevelopment Plan and implementation of several design projects developed to guide the city's recovery from their historic flood in June 2008. He was also the project manager of the urban design and landscape architecture for the Healthline BRT and transformation of Euclid Avenue in Cleveland.

**Patrick O'Toole**, Director, Technical Services, U.S. Asset Management  
John Hancock Real Estate  
197 Clarendon Street, Boston, MA 02117  
617.572.1333 Ext. 72-1333 | POTOole@jhancock.com

Mr. O'Toole is responsible for coordinating with Architects and Engineers to insure the standards for long term preservations of all assets are preserved. He has a Master's of Science Degree in Emergency Management from the Massachusetts Maritime Academy and B.S, degree in Construction Management from the Wentworth Institute of Technology. He retains a number of licenses: electrical, Construction Supervisors unrestricted, Hoisting Engineers license and Oil Burner Technician License and is ICS 400 certified.

As part of the real estate asset management team for John Hancock, he works with regional managers to support capital expenditure on investment properties and Real Estate Properties.

**David A. Reed**, Solutions Development Leader, Strategic Customers and Solutions  
Schneider Electric, Advanced Microgrids & Distributed Energy  
North America Operations  
857.600.1120 | David.reed@schneider-electric.com

Having joined Schneider Electric in 2008, David brings over 25 years' experience in the development of Energy Services for his clients. David leads one of the North American - Advanced Microgrid Business Development teams at Schneider Electric. In this role, David's responsibility is to assist his clients with the development of a Microgrid strategy that maximizes energy, utility, and capital efficiency; while maintaining infrastructure resiliency, and ensuring persistence of mission/production capabilities for the host client. The Microgrid Competency Center then delivers as prime and/or partner; a complete and comprehensive Microgrid/DER solution throughout the various phases of development including conceptual screening, feasibility studies, preliminary engineering, definitive agreements, financing, engineering/procurement/ construction and asset optimization management services. Prior to his career at Schneider Electric, David held sales leadership positions at two New England based utility services companies.

#### Upcoming EBC Programs and Meetings

- Sep 22: EBC Energy Program Developments at Massachusetts State & Regional Agencies
- Sep 28: EBC Fifth Annual Offshore Wind Conference
- Oct 3: EBC Program Series with MassDEP: Commissioner Suuberg & Southeast Region Team
- Oct 12: EBC Energy Resources Program: Grid Modernization
- Oct 26: EBC Water Resources Program: Impact of Climate on Stormwater Management – in planning
- Nov 9: EBC Rhode Island Climate Change Program: Municipal Adaptation Programs – in planning
- Nov 17: EBC-UMass Climate Adaptation Forum: Three of the World's Most Extensive Climate Adaptation Plans
- Nov 29: EBC New Hampshire Program: New Hampshire Clean Energy Overview

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