

Climate Change and Resilience: A Regional Approach to Issues and Challenges

May 28, 2019

Agenda

- 2:30 p.m. Registration and Networking
- 2:50 p.m. Opening Remarks **Lisa Brothers, PE, ENV SP, LEED AP BD+C**
Chairman & CEO, Nitsch Engineering
- Brian Creamer, AICP, SITES AP**
Senior Planner, Nitsch Engineering
- 3:00 p.m. Keynote Address **Julie Wormser**, Deputy Director, Mystic River Watershed Association
- 3:20 p.m. Program/Exercise **Carri Hulet**, Senior Mediator, Consensus Building Institute
- 4:40 p.m. Report Out
- 5:00 p.m. Conclusion **Lisa Brothers, PE, ENV SP, LEED AP BD+C**
Chairman & CEO, Nitsch Engineering

Learning Objectives

In today's program, an interactive seminar on the climate change and resilience challenges we face, we will share information on regional climate initiatives and discuss how we can collaboratively find stormwater quantity and quality management solutions, decrease risks to critical infrastructure, and increase the resilience of vulnerable residents during extreme weather events.

As an attendee, you will be able to:

1. Identify the types of challenges facing the 22 communities within the Mystic River Watershed, including Boston, Cambridge, and Somerville;
2. Understand how a regional approach to climate change and resilient solutions brings shared knowledge, greater public awareness, substantive projects, and influence on state policies;
3. Assess how collaboration, through a regional framework and addressing issues impacting all Mystic River Watershed communities, connects them through shared goals; and
4. Develop a hands-on understanding of how the collaborative management of stormwater and other challenges is needed to reach solutions to climate change issues through an interactive session.

This program has been approved to provide 2 AIA LUs/HSW.

Speaker Bios



Julie Wormser is the deputy director of the Mystic River Watershed Association and founder of the Resilient Mystic Collaborative. Prior to joining MyRWA, she was the Vice President for Policy and Planning at Boston Harbor Now. As Executive Director of The Boston Harbor Association, Wormser was instrumental in drawing attention to Boston's need to prepare for coastal flooding from extreme storms and sea level rise. She coauthored *Preparing for the Rising Tide* and *Designing with Water* and co-led the Boston Living with Water international design competition with the City of Boston and Boston Society of Architects. She has a BA in biology from Swarthmore College and an MPA from Harvard University's Kennedy School of Government.



Carri Hulet is a Senior Mediator at the Consensus Building Institute where she facilitates diverse groups working on public issues including climate change, water quality, energy, transportation, and smart growth. Some recent examples of her work on climate include the co-facilitation of the Resilient Mystic Collaborative, an engagement effort using role play simulations in South Carolina to help community members weigh trade-offs between different climate adaptation measures, and an assessment of community perspectives on coastal risks in Scituate. Carri has led CBI's efforts for nearly four years to build the Climigration Network (climigration.org). Carri is also adjunct faculty at the Harvard Program on Negotiation where she co-teaches the foundational course on negotiation and dispute resolution. She is a co-author of the book *Managing Climate Risks in Coastal Communities* (Anthem, 2015).

Other Presentations Offered

Nitsch Engineering is an AIA and ASLA provider offering continuous education units for various educational presentations. To help our clients learn more about site services and how they contribute to overall project success, we offer each of the presentations below to our clients as lunch and learns.

- **Innovative Water Management: Rainwater Harvesting and Alternate Water Reuse – 1 AIA LU/HSW; 1 LA CES PDH HSW**
Provides an overview of considerations for capturing and reusing rainwater to supplement non-potable water demands for buildings and sites. Discusses key considerations for evaluating and designing efficient systems, along with current regulatory and technological barriers, and shows how to evaluate the viability of rainwater harvesting systems to support sustainability and regulatory stormwater goals.
- **Sustainable Sites: Three Case Studies – 1 AIA LU; 1 LA CES PDH**
Provides terminology primer, site-related LEED review, and sustainable site strategies.
- **Green Infrastructure/Low Impact Development for Sustainable Sites – 1 AIA LU/HSW SD; 1 LA CES PDH**
Reinforces site sustainability principles by using LID to preserve sensitive resources, minimize adverse environmental impacts, and incorporate decentralized BMPs that mimic natural systems and control the peak rate of stormwater runoff, promote groundwater recharge, and provide water quality treatment.
- **Stormwater Master Planning – 1 AIA LU/HSW SD; 1 LA CES PDH**
Addresses stormwater as part of a master plan to identify opportunities to integrate stormwater within the landscape and site stormwater facilities in terms of phasing, environmental impact, capital costs, maintenance and operations costs, and aesthetics. Includes case studies of Princeton and UVA.
- **Sustainable Stormwater Solutions – 1 AIA LU/HSW SD; 1 LA CES PDH**
Reinforces the principles of sustainable site design and stormwater management and demonstrates how stormwater measures can be applied in a large-scale city-wide program, to a campus-wide application, at a large urban park, on a single building site, in a city intersection and an alley, and for small infill projects.
- **Complete Streets – 1 AIA LU/HSW; 1 LA CES PDH**
Discusses the components of a “complete street,” and through case studies shows how streetscape design strategies, leading edge technologies, and green infrastructure/low impact development techniques provide viable sustainable urban infrastructure.
- **Traffic and Parking Impacts of Development Projects – 1 AIA LU**
Outlines the factors that determine the parking demand and traffic impact of any land development project.
- **Demystifying the Permitting Process: Getting Projects Built in Boston – 1 AIA LU; 1 LA CES PDH**
Outlines the site-related permitting hurdles for building projects in Boston, including an overview of the BRA, BWSC, BCC, and PIC site-related permitting processes, including site and building design, permitting, and project schedule issues.
- **Land Surveying and GIS – 1 AIA LU; 1 LA CES PDH**
Educates non-surveyors about the various types of surveys and how to acquire those services, and what GIS is and how it works with survey and CAD-based applications to benefit clients.
- **Creating a Business Development Culture in your Firm – 1 AIA LU; 1 LA CES PDH**
Describes what a business development culture is, explains why having one is important to a firm’s success, and evaluates how to take steps towards creating one.

For more information or to schedule a presentation, please contact Laurie Strickland, Director of Marketing, lstrickland@nitscheng.com.