



**EBC New Hampshire Chapter Climate Change Program
Sea Level Rise and Implications for New England Coastal Communities**

Friday, March 4, 2016

Great Bay Discovery Center
Greenland, New Hampshire

AGENDA

- 8:00 a.m. **Welcome: Robert Hasevlat, EBC NH Chapter Chair**
 Business Development Manager, Normandeau Associates, Inc.
- 8:10 a.m. **Introduction and Overview**
- Duncan Mellor, P.E., Program Chair & Moderator
Principal Coastal Engineer, Tighe & Bond
- 8:15 a.m. **Sea Level Change Projections and Uncertainty**
- Kevin Knuuti, P.E., D.CE., Technical Director
Cold Regions Research and Engineering Laboratory
U.S. Army Corps of Engineers
- 8:50 a.m. **No Management is Active Management: Planning for Changing Sea Levels
in New Hampshire, an Ecological Perspective**
- Rachel Stevens, Stewardship Coordinator and Wildlife Ecologist
Great Bay National Estuarine Research Reserve
- 9:25 a.m. **Multi-Source Flood Risk and Mitigation Planning for Climate Change,
Manchester By the Sea, MA**
- Gabrielle Belfit, Senior Environmental Scientist, Tighe & Bond
 - Jennie Moonan, P.E., Project Engineer, Tighe & Bond
- 10:00 a.m. **Panel Discussion**
 Panel Moderator: **Duncan Mellor, Tighe & Bond**
 Panel Members:
- **Gabrielle Belfit, Tighe & Bond**
 - **Kevin Knuuti, U.S. Army Corps of Engineers**
 - **Jennie Moonan, Tighe & Bond**
 - **Rachel Stevens, Great Bay National Estuarine Research Reserve**
- 10:30 a.m. **Adjourn**

PROGRAM CHAIR

Duncan Mellor, P.E., Principal Coastal Engineer

Tighe & Bond

177 Corporate Drive, Portsmouth, NH 03801

603.433.8818 | dcmellor@tighebond.com

Principal Coastal Engineer Duncan Mellor, P.E. has more than 30 years of experience in engineering services focused on coastal and waterfront projects. His exclusive waterfront experience includes a solid technical background in civil and ocean engineering. He has provided a range of specialized engineering for the assessment (above and under water), design, and construction of structures built along shorelines, waterways, ports and harbors.

SPEAKERS

Gabrielle Belfit, Senior Environmental Scientist

Tighe & Bond

4 Barlows Landing Road, Unit #15 Pocasset, MA 02559

508.304.6362 | GCBelfit@tighebond.com

Gabrielle Belfit has a strong background in regional and community water resource planning through her work at the Cape Cod Commission. She offers more than 30 years of expertise in project management, environmental policy, regulatory compliance, resiliency planning, public outreach and education.

Kevin Knuuti, P.E., D.CE., Technical Director

Cold Regions Research and Engineering Laboratory

U.S. Army Corps of Engineers

15 Kansas St, Natick, MA 01760

603.646.4609 | Kevin.Knuuti@usace.army.mil

Kevin Knuuti is the Technical Director at the Army Corps of Engineers Cold Regions Research and Engineering Laboratory in Hanover, NH. He is a licensed civil engineer with a broad range of experience in the public and private sectors, including 23 years of experience on sea-level change issues. Kevin was the lead author for the Army Corps of Engineers sea-level change policy (2009 and 2011), was a co-author of the sea-level change portion of the recent United States National Climate Assessment, was a reviewer for the Intergovernmental Panel on Climate Change's most recent sea-level rise projections, and has assisted multiple states with their own sea-level rise policy development, including New Hampshire and Massachusetts.

Jennie Moonan, P.E., Project Engineer

Tighe & Bond

One University Avenue, Suite 104, Westwood, MA 02090

781.708.9820 | JSMoonan@tighebond.com

Janet (“Jennie”) Moonan, P.E. is a water resources engineer at Tighe & Bond. She has over ten years of experience providing engineering design and planning services related to water resources, including watershed management, water quality, stormwater, and wastewater. She is passionate about helping communities develop creative solutions to meet regulatory obligations and water quality goals with consideration for unique fiscal and organization challenges in the municipality. Her experience also includes two years of working at EPA Boston, supporting EPA’s stormwater program and writing NPDES permits.

Rachel Stevens, Stewardship Coordinator and Wildlife Ecologist

Great Bay National Estuarine Research Reserve

New Hampshire Fish and Game Department

89 Depot Road, Greenland, NH 03840

603.778.0015 x303 | Rachel.Stevens@wildlife.nh.gov

Rachel Stevens is a Wildlife Ecologist for NH Fish and Game and Stewardship Coordinator for Great Bay National Estuarine Research Reserve. She has been working with NOAA’s Center for Operational Oceanographic Products and Services (CO-OPS) and the National Geodetic Service since 2010 to build out a sentinel site array for New Hampshire. She also worked with USFWS to create the new NWI layer published for coastal NH in 2014. This was used as the foundation for running the Sea Level Affecting Marshes Model (SLAMM) with a focus on ecological implications, particularly targeting strategic coastal land acquisition opportunities.

Upcoming EBC Programs

- March 15: Rhode Island Program – Changing Role of the EHS Manager
- March 16: Evening Program with MassDEP Commissioner Suuberg
- March 18: Energy Resources Program – Regional Energy Infrastructure
- March 23: Connecticut Program – Critical Impact of Stormwater Management
- March 29: Energy Resources Program – Expanding Renewables, Grid Reliability
- April 7: Energy Resources Program – Zero Net Energy Buildings
- April 14: “Talking Trash” Solid Waste Management in Northern New England
- April 15: Connecticut Program – Update from CT DEEP and U.S. EPA
- May 18: Evening Program with U.S. Army Corps of Engineers Colonel Barron
- **June 16: EBC 23rd Annual EBEE Awards and 26th Annual Meeting**