



EBC Ocean and Coastal Resources Program Resiliency Planning for the City of Boston

Wednesday, June 22, 2016

Greenberg Traurig
Boston, Massachusetts

AGENDA

8:00 a.m. **Welcome: Payson Whitney**, Chair, EBC Ocean and Coastal Resources Committee
Vice President, ESS Group, Inc.

Showcasing Company: Michael Green, Climate Action Business Association

Introduction: Varoujan Hagopian, P.E., F.ASCE, Program Chair and Moderator
Senior Consultant, GEI Consultants, Inc.

8:20 a.m. **The Climate Ready Boston Initiative**

- Carl Spector, Commissioner, Environment Department, City of Boston

8:40 a.m. **An Uncertain Future: Adjusting Environmental Regulations to Account for
a Changing Climate**

- Julie Wormser, Vice President for Policy and Planning, Boston Harbor Now

9:00 a.m. **Designing and Constructing a Resilient Morrissey Boulevard**

- Jerry Friedman, P.E., Municipal and Urban Engineering Manager
HDR Engineering, Inc.

9:20 a.m. **Panel Discussion**
Panel Moderator: **Varoujan Hagopian**, GEI Consultants, Inc.
Panel Members:

- Jerry Friedman, HDR Engineering, Inc.
- Carl Spector, City of Boston
- Julie Wormser, Boston Harbor Now

10:00 a.m. **Adjourn**

PROGRAM CHAIR

Varoujan Y. Hagopian, P.E., F.ASCE, Senior Consultant, Waterfront and Coastal Engineer
GEI Consultants, Inc.
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Varoujan Hagopian, P.E., F.ASCE, has joined GEI as a senior consultant. Hagopian will assume a key leadership role with GEI's growing waterfront and coastal engineering services practice. During his 38-year career, Hagopian has completed hundreds of notable projects both nationally and internationally.

Varoujan, a long standing member of the ASCE / COPRI, has served eighteen years on the national Ports and Harbors committee. He participated in the revision of ASCE Engineering Practice Manual No. 50, Planning and Design Guidelines for Small Craft Harbors. His experience further strengthens GEI's commitment to providing many public and private clients a deep portfolio of planning, engineering, and scientific services as each confronts the immediate challenges of extreme weather, while visioning together long-term sustainable solutions to sea level rise and climate change.

A former principal with Sasaki Associates, Inc. and most recently a private consultant, Hagopian has managed, designed, value engineered, and completed projects involving mixed-use waterfront developments, parks, marinas, islands, shoreline and edge stabilization, river and lake engineering, wharfs, piers, canals, sea walls, breakwaters, commuter and ferry boat facilities, cruise ship piers, and flood and harbor protection structures. He often directs all aspects of services on a project from feasibility and early planning, to detailed design, permitting, and on to final construction.

Prior to joining Sasaki Associates, he worked at Vollmer Associates and CE Maguire. His work included early FEMA mapping and flood impact assessment and the design of municipal infrastructure systems.

He authored a large variety of professional papers and made over thirty formal presentations throughout of the US and abroad. He was an invited lecturer for short courses at Harvard Graduate School of design on Planning and design of recreational marinas. His career path allowed him to travel the world where he planned, designed and oversaw the construction of complex and notable waterfront projects.

SPEAKERS

Jerry Friedman, P.E., Municipal and Urban Engineering Manager
HDR Engineering, Inc.
695 Atlantic Avenue, Boston, MA 02111
617.357.7731 | Cell: 617.894.9684 | Jerry.Friedman@hdrinc.com

Jerry Friedman, P.E., ENV SP, is an Associate and Sr. Project Manager with HDR Engineering, Inc. in Boston. He has 32 years of experience as a civil engineer, and specializes in the design of roadway and streetscape projects in urban environments. For the past 20 years, much of

his experience has involved managing the planning and design of “complete streets” projects in the cities of Boston and Cambridge, as well as infrastructure projects for the Massachusetts Port Authority and Department of Conservation and Recreation. He has BS in civil engineering from Tufts University.

Carl Spector, Commissioner, Environment Department
City of Boston
Boston City Hall, Room 714, Boston, MA 02201
617.635.3850 | carl.spector@boston.gov

Carl Spector is Commissioner of the Environment for the City of Boston. He oversees programs related to climate change, environmental protection, historic preservation, and other aspects of sustainability. Before joining Boston City Hall in 2005, Carl worked on a wide variety of environmental and energy issues for the federal government and in private industry. He holds degrees in physics and environmental science.

Julie Wormser, Vice President for Policy and Planning
Boston Harbor Now
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Julie Wormser is VP for Policy and Planning for Boston Harbor Now, a new organization formed from the merger of The Boston Harbor Association and the Boston Harbor Island Alliance. As Executive Director of TBHA, 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. Before joining TBHA in 2011, she helped secure millions of dollars for New England’s fisheries and forestlands as a senior regional strategist with Environmental Defense Fund, Appalachian Mountain Club and The Wilderness Society. She has a BA in biology from Swarthmore College and an MPA from Harvard University.

Upcoming EBC Programs

- June 24: Innovative Technology Program – Drone Use in the Industry
- June 29: Water Resources Program – Final Massachusetts MS4 Permit Program
- June 30: Solid Waste Management Committee Program Planning Luncheon
- July 12: Climate Change Program Series Part Three – Insurance Industry Perspective
- July 13: New Hampshire Chapter Update from NHDES, NHOEP, and U.S. EPA
- July 14: PCB/TSCA Program – Hazardous Building Material Investigation
- August 11: EBC Annual Summer Garden Party – Boston

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