



EBC Climate Change Webinar
The Option of a Boston Harbor Regional "Layered Defense" Coastal Resilience System
Eliminating an Existential Threat of Devastation

Thursday, December 10, 2020

AGENDA

9:00 a.m. **Welcome:** Daniel Moon, President and Executive Director
Environmental Business Council

Expectations and Goals – What You Will Learn

- Bill Golden, Program Chair & Moderator
Project Coordinator, Boston Harbor Storm Surge Working Group

9:15 a.m. **Planning for Climate Change in Boston**

- Sanjay Seth, Climate Resilience Program Manager, City of Boston

9:35 a.m. **The Case for An In-Depth Cost Benefit Analysis of the Option of a Boston Harbor Regional "Layered Defense" Coastal Resiliency System**



William B. Golden
Project Coordinator
Boston Harbor Storm Surge Working Group

10:00 a.m. **How United States and International Coastal Cities Seek the Protection of a Regional "Layered Defense" Sea Gate System**

New York

- Robert Yaro, Professor of Practice
University of Pennsylvania School of Design
Former President, The Regional Plan Association

European Seagate Systems

- Charles Schelpe, CEng MICE
Global Technology Leader, Flood Infrastructure Engineering, Jacobs

10:40 a.m. **Networking Opportunity**

10:55 a.m. **Break**

- 11:00 a.m. Galveston Houston**
- William Merrell, PHD, President Emeritus
Regents Professor, Department of Marine & Coastal Environmental Science
George P. Mitchell Chair, Marine Sciences
Texas A&M University Galveston Campus
- 11:20 a.m. Elimination of Mandatory FEMA and Other Federal Flood Insurance Premiums**
- Joe Rossi, Chair and Executive Director, Massachusetts Coastal Coalition
- 11:40 a.m. Panel Discussion**
- Moderator:** Bill Golden, Boston Harbor Storm Surge Working Group
- 12:30 p.m. Adjourn – Closing Remarks**

PROGRAM CHAIR

Bill Golden, Project Coordinator
Boston Harbor Storm Surge Working Group
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William B. Golden has over forty (40) years of experience in law, business and government.

As an attorney who co-founded the law firm of Baker, Braverman and Barbadoro P.C. and currently serves as Of Counsel to the firm, Mr. Golden has represented businesses, municipalities and individuals in litigation, administrative proceedings, contracting, regulatory compliance, government relations, alternative dispute resolution and general business matters. In addition, Mr. Golden has been responsible for all legal matters as managing member in two limited liability companies. Mr. Golden has also served as city solicitor, special assistant district attorney, special town counsel and as special assistant city solicitor.

As a businessman, Mr. Golden has founded and co-managed a law firm and founded and managed an international consulting company that represented such clients as Chase Manhattan's Global Power Division, Westinghouse, General Dynamics and other US based companies in Asia, the Mideast and Europe. Mr. Golden has also co-owned and co-managed two renewable energy companies, including a geothermal management services company based in Nevada and a renewable energy development company in Oregon.

As a government official, Mr. Golden has served at every level of government from the White House to city hall and has significant experience in organizing and structuring government institutions. While working for the White House, Mr. Golden served as staff on the President's Advisory Council on Executive Organization and assisted in the passage of Reorganization Plans 3 and 4 that created respectively the United States Environmental Protection Agency (US EPA) and the National Oceanic and Atmospheric Administration (NOAA). Mr. Golden later worked in the Office of the Administrator of EPA and created and co-managed an employment program that hired 500 EPA interns. Mr. Golden currently manages the Boston Harbor Regional Storm Surge Working Group.

As City Solicitor for the City of Quincy, Mr. Golden filed the lawsuit that secured the first court mandated clean up schedule for Boston Harbor and the creation of the Massachusetts Water Resources Authority.

As a three term Massachusetts State Senator, Senator Golden co-authored and led the passage of legislation that provided referendum based reform of County government, mandated the reporting of hate crime statistics, provided fire fighters with cancer presumption rights, established an elderly homestead exemption, created the Special Senate Committee on Long Range Policy Planning, established two Areas of Critical Environmental Concern and created the UMass Boston Urban Harbors Institute.

Mr. Golden has served on United States federal advisory councils, including the Stellwagen Bank National Marine Sanctuary Advisory Council and a small business foreign trade council..

Mr. Golden co-founded Save the Bay, the Massachusetts Public Interest Research Group (MassPIRG) and is currently an adjunct full professor at the School of Marine and Atmospheric Sciences SUNY Stony Brook.

In addition, Mr. Golden has served as a member of the Board of Trustees for Hebron Academy, The Lewis School of Princeton and Winchendon Academy as well as serving as a Member on the Board of Directors of the Courageous Sailing Center.

Mr. Golden has received numerous awards, including The United States EPA Silver Medal for proposing and co-managing EPA's first employee recruitment program; The New England Aquarium David B. Stone Award for the Boston Harbor Clean Up; The Coalition for Lesbian and Gay Civil Rights Award for "Chief Sponsor of the Hate Crimes Statistics Act and for Outstanding Leadership in the Field of Civil Rights and Legislative Reform"; and the National Lighthouse Museum Modern Light Keeper Award for the preservation of two United States Coast Guard Lightships.

For twenty years, Mr. Golden and his wife Kristen have preserved the historic Nantucket Lightship WLV 613 and have operated the lightship as a commercial charter vessel.

Mr. Golden has been awarded degrees from Yale University (BA), Harvard University (MPA) and Boston University School of Law (JD).

Mr. Golden currently resides in Boston and is married with three children and three grandchildren.

SPEAKERS

William Merrell, PHD

Regents Professor, Department of Marine and Coastal Environmental Science

George P. Mitchell Chair, Marine Sciences

Sr. Faculty Associate, Center for Texas Beaches and Shores

Sr. Faculty Associate, Institute for a Disaster Resilient Texas

President Emeritus - Texas A&M University Galveston Campus

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William J. Merrell holds a B.S. in physics and a M.A. in mathematics from Sam Houston State University and a Ph.D. in oceanography from Texas A&M University. He is the George P. Mitchell chair of marine sciences at Texas A&M University at Galveston, Regents Professor and President Emeritus, TAMUG. He

has been chair of the H. John Heinz III Center for Science, Economics and the Environment, vice chancellor for Strategic Programs of The Texas A&M University System, vice president for Research Policy of Texas A&M University, chair of the Ocean Studies Board, served on the Space Studies Board and the Board on Sustainability of the National Research Council and has held presidential appointments with the National Science Foundation. Among his awards are the Distinguished Achievement Medal from the Geosciences and Earth Resources Council and he is the only person to receive the Distinguished Service Award of the National Science Foundation twice. Following the devastation of Hurricane Ike, Dr. Merrell began the Ike Dike project to provide hurricane surge protection for the Upper Texas Coast including all of Houston and Galveston.

Joe Rossi, Chair and Executive Director
Massachusetts Coastal Coalition
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Mr. Rossi is Chair and Executive Director of the Massachusetts Coastal Coalition. Founded by Mr. Rossi in 2012, the Coalition is a regional and national nonprofit which educates, advocates, and informs stakeholders on all flood hazards. Mr. Rossi is also Co-Chair of the National Flood Association's Legislative Committee, a Board Member on the Independent Insurance Agent and Brokers Association's Flood Insurance Task Force and a member of the Flood Insurance Producers National Committee. He Chairs the Town of Marshfield, Massachusetts's Community Rating System (CRS) committee and is on the Massachusetts Association of Floodplain Management's Board of Directors.

Mr. Rossi graduated from Wentworth Institute of Technology with a bachelor's degree in architecture. Joe began in the field by Chairing the Town of Marshfield Seawall Committee in 2010.

Joe Rossi is also the Flood Specialist for RogersGray Insurance, one of the nation's largest insurance agencies, where he oversees all flood operations.

Charles Schelpe, CEng MICE, Global Technology Leader, Flood Infrastructure Engineering
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Charles is Jacobs Global Technology Leader for Flood Infrastructure Engineering and has over 30 years broad experience in the delivery of flood risk management, river engineering, and other infrastructure projects in the UK, US and elsewhere across the world. He has 15 years experience in the delivery of storm surge barrier systems from concept through design and construction to operation and maintenance. He is currently Jacobs technical lead on the Boston, Bridgwater, and Lowestoft Barrier schemes in the UK, and is the Jacobs Senior Technical Consultant for the Thames Estuary Asset Management 2100 programme, which includes the Thames Barrier as well as the other associated tidal barriers/sea gates within the Thames Estuary. Charles is an active participant in the international storm surge barrier network I-STORM and has been involved in workshops considering the storm surge barrier concepts for both New York and Galveston.

Sanjay Seth, Climate Resilience Program Manager
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Sanjay is currently the Climate Resilience Program Manager for the City of Boston. In this role, he leads neighborhood climate resilience planning, manages the Climate Ready Boston program, and leads other plans and projects that address the impacts of climate change and improve the lives of Boston's residents and visitors. He recently served as Project Manager for Planning and Policy, working with an interdisciplinary team on behalf of the City of New York to develop a plan for a multi-billion dollar investment to protect the city from the impacts of climate change.

Sanjay is a dual-degree graduate in the Master in Public Administration program at the Harvard Kennedy School of Government and the Master in Urban Planning program at the Harvard Graduate School of Design. At Harvard, he founded and managed the Climate Leaders Program, a year-long formal program for students with a professional interest in climate action. Currently, he is the founding Co-President of Harvard Alumni for Climate and the Environment, a part of the Harvard Alumni Association, and a Fellow of New Urban Progress, a program focused on fostering transatlantic dialogue among metropolitan regions.

During graduate school, Sanjay served on the teaching team at the Harvard Kennedy School of Government for a hands-on course focused on building effective, values-driven organizing campaigns. He also served as a Fellow of the Bloomberg Harvard City Leadership Initiative, developing tailored management, leadership, and decision-making programs for mayors and their senior staff. Prior to graduate school, he was Research Analyst at Regional Plan Association, focusing on climate change adaptation and mitigation, habitat conservation and restoration, energy generation and efficiency, parks and open space, regional cap-and-trade systems, and international forums for sharing best practices among global cities and regions.

Originally from Bismarck, North Dakota, Sanjay has a background in community and political organizing. His writing has appeared in Arctic Today, the Boston Globe, and other publications. And he holds a Bachelor's in Economics, Politics, and Public Policy from Goldsmiths, University of London.

Robert Yaro, Professor of Practice
University of Pennsylvania Stuart Weitzman School of Design
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Bob Yaro is Professor Emeritus in City & Regional Planning at the University of Pennsylvania, and former President of Regional Plan Association. He has had a half-century long career in regional, environmental and infrastructure planning in New York and New England. He has also consulted and lectured on these issues in cities around the world.

He has also taught at the graduate level at UMass Amherst, Harvard and Penn for 35 years until retiring from Penn in 2020. He is currently leading North Atlantic Rail, a proposed high-speed rail initiative for New York and New England and participating in the New York - New Jersey - Long Island Metropolitan Storm Surge Working group, which is advocating for creation of a system of layered defense to protect America's largest urban region from future storm surges and sea level rise.

UPCOMING EBC PROGRAMS

DECEMBER 2020

December 15: Leadership Webinar – NAIOP Massachusetts CEO Tamara Small

JANUARY 2021

January 7: Briefing from MassDEP Headquarters Leadership Team with Keynote Speaker Suuberg

January 11: Infrastructure Committee Virtual Program Planning Meeting

January 11: Ocean and Coastal Resources Virtual Program Planning Meeting

January 12: Site Remediation and Redevelopment Webinar – Risk Communication “Best Practices”

January 13: New Hampshire Webinar – Changing Precipitation Patterns

January 14: 3rd Annual Briefing by the New England State Dam Safety Directors

January 15: Water Resources Webinar – Lead and Copper

January 20: Leadership Webinar – Massachusetts Environmental and Energy Agenda for 2021

January 21: Ascending Professionals Webinar – Conflict Resolution

January 25: Climate Change and Air Committee Virtual Program Planning Meeting

January 25: Site Remediation and Redevelopment Committee Virtual Program Planning Meeting

January 26: Emerging Contaminants Webinar – 1,4-dioxane update

January 26: Ascending Professionals Committee Virtual Program Planning Meeting

January 27: Ocean and Coastal Resources Webinar – Protecting Coastal Structures, Part One

January 29: 15th Annual Construction and Demolition Materials Management Regional Summit