

# MANAGING RISK AND RESILIENCY

2016  
SPECIALTY  
CONFERENCE  
& WORKSHOP  
SERIES



Tuesday, April 26, 2016 • Best Western Royal Plaza, Marlborough, MA

## AGENDA

7:45 – 8:15 AM	Registration & Continental Breakfast
8:15 – 8:30 AM	Welcome & Opening Session Jim Barsanti, NEWEA President Elect
8:30 – 8:45 AM	Why We Are Here...Words of Welcome and Inspiration Brian Armet, Chair, NEWEA Utility Management Committee
8:45 – 9:45 AM	<b>Case Study - Building Resiliency in Narragansett Bay</b> Jan Greenwood, Woodard & Curran
9:45 – 10:00 AM	Break / Visit WARN Groups
10:00 – 11:00 AM	<b>Case Study - Comparison of Risk/Vulnerability Assessment Tools for the Water Sector</b> Kate Novick, Gradient Planning
11:00 – Noon	<b>Keynote: Current and Emerging Risks</b> John Laws, Chief, Water Infrastructure, Department of Homeland Security via remote conferencing with Kevin Morley, AWWA and colleagues from DHS and FBI
Noon – 1:00 PM	Lunch
1:00 – 2:00 PM	<b>Lessons Learned from Tropical Storm Irene Specific to the Wastewater Sector</b> Ernie Kelley, VT Department of Environmental Conservation and Ben Rose, VT Division of Emergency Management and Homeland Security
2:00 – 2:15 PM	Break / Visit WARN Groups
2:15 – 3:00 PM	<b>Critical Tools and Data to Support Forecasting and Preplanning</b> Ed Capone and Glenn Field, National Weather Service
3:00 – 3:45 PM	<b>Active Shooter Training</b> Bob Marquis, Massachusetts State Police STOP Team
3:45 PM	Adjourn

### TRAINING CONTACT HOURS (TCHs)

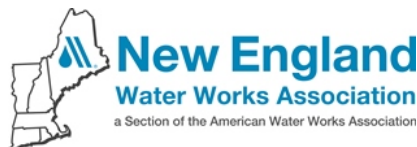
Training Contact Hours (TCHs) will be awarded for operator recertification for participating states. If you need TCHs, please sign up at the end of the day at the registration desk to receive credit. A certificate will be mailed.

### PROCEEDINGS

Presentations from this conference will be posted online at [newea.org](http://newea.org) shortly following the event. Attendees will be notified when presentations are available.

This conference was hosted by NEWEA's Utility Management Committee. We thank the attendees, speakers, exhibitors, and sponsors for making this event successful.

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## SPEAKER BIOGRAPHIES

**Edward J. Capone, National Weather Service (NWS)** - As a life-long resident of the Boston Area, Ed received a Bachelor of Science in Civil Engineering from Northeastern University. Ed spent his first 20-plus years in the design and construction of Hydraulic Structures throughout North America and West Africa. Ed spent "wet season" years in the field in West Africa developing hydrologic/hydraulic information for design and construction of several large dams for the International Committee on Large Dams (ICOLD). Ed has spent the past 20 years plus with the NWS Northeast River Forecast Center where he has held positions as Hydrometeorological Analysis and Support Forecaster, Senior Hydrologist, and currently the Service Coordination Hydrologist (SCH) in the office. As SCH, Ed has enhanced the Decision Support Services and Partner Coordination/Collaboration for the River Forecast Center. This year, Ed has completed his 40th year as an NWS COOP observer station in Norton, MA.

**Glenn Field, National Weather Service (NWS)** - Glenn Field has been the Warning Coordination Meteorologist (WCM) for the National Weather Service (NWS) Forecast Office in Taunton, MA since October 1993. As WCM, he is responsible for ensuring that customers of weather forecasts and warnings are able to receive the products and that they understand what they mean. He gives many presentations to police, fire, emergency managers, and school groups and always listens to suggestions for improvement of services. Also, he is responsible for coordinating and implementing new procedures at the NWS, for the quality assurance of products, and is in charge of the SKYWARN volunteer weather observers program. Also, Glenn works with towns to enable them to become "StormReady," another National Weather Service community preparedness program. Prior to coming to Taunton, Glenn was a Lead Forecaster at the NWS in Raleigh, NC; a Forecaster at the NWS in Milwaukee, WI; and a Satellite Meteorologist at the National Environmental Satellite, Data, and Information Service's Synoptic Analysis Branch in Washington, D.C. Glenn holds a M.S. Degree in Meteorology from the University of Wisconsin - Madison, where he also received his B.S. in both Meteorology and Economics (the 2 sciences that one can't predict, he jokes.)

**Jan Greenwood, Woodard & Curran** - Jan Greenwood has more than 30 years of civil engineering experience for public and private clients throughout New England. She specializes in developing environmentally sensitive sustainable projects on coastal sites. Ms. Greenwood has managed over a dozen projects that successfully redeveloped and/or remediated brownfield properties within coastal and riverine floodplains.

**Ernie Kelly, VT DEC** - Ernie Kelley has worked for the Vermont Department of Environmental Conservation for 25 years. Ernie started as a Compliance Specialist in the Residuals Management Section, eventually becoming the Section Chief in that program. In 2012, he became the Program Manager of the Wastewater Management Program, which has regulatory oversight of Vermont's federally delegated NPDES authority over the direct discharge, industrial pretreatment, and residuals management sections. Ernie has been involved with the National Biosolids Partnership since its early days and currently serves as the representative for state regulatory authorities on the NBP's Steering Committee. He has his undergraduate degree in Chemistry from Ripon College and a master's degree in Environmental Science from the Indiana University School of Public and Environmental Affairs.

**John Laws, Department of Homeland Security** - John is a native of Fauquier County, Virginia and a graduate of the University of Maryland, College Park, Maryland. John began his water resource management career in 1982 working as an agronomist for Bio Gro Systems of Annapolis MD. Specializing in land application of sludge and wastewater solids dewatering nationwide. John then joined the Virginia Department of Health (VDH) as a soil scientist conducting soils work for drainfield, low pressure distribution systems and landfill suitability. John moved to the Virginia State Water Control Board (SWCB) as a pollution control supervisor managing no-discharge permitting system for animal waste and land applications of waste materials as well as issuing NPDES permits and compliance inspections for the Northern Regional Office. John became the General Manager of a medium-sized Water and Sewer Authority with groundwater based systems including two wastewater treatment plants. He then moved to the City of Manassas as the superintendent for water and sewer managing a reservoir, dam and a water treatment plant producing 20 MGD. In 2004 John joined the U.S. Department of Homeland Security supporting the U.S. Department of Homeland Security Assistant Secretary for Infrastructure Protection. He currently supports the Infrastructure Partnership Division. John is a principal advisor to the Department of Homeland Security on water related issues nationwide.

**Robert Marquis, Massachusetts State Police STOP Team** - Robert Marquis has been a Massachusetts State Trooper for 17 years, a member of the Massachusetts State Police Special Tactical Operations Team for 14 years, former Military Policeman (MARNG) for 8 years, and served in Iraq in 1991. He has also provided Active Shooter instruction for sworn members of the State Police, local Massachusetts Law Enforcement Officers and various College Campus Police Departments. Marquis has provided a civilian sector with Active Shooter response and training programs for the last two years.

**Kate Novick, Gradient Planning** - Kate Novick is the founder and Managing Director of Gradient Planning, a woman-owned business uniting engineering excellence with adaptive management. She is a professional engineer, and a board-certified safety professional specializing in protecting organizations through emergency preparedness and risk resiliency. She serves on the Emergency Planning Standards Committee for AWWA and participated in the development of the G440 Standard for Emergency Management Practices. Kate Novick served as the Co-principle Investigator for the 2011/2012 Water Research Foundation project to develop business continuity tools for water and wastewater systems. Gradient Planning partners with clients to manage change successfully and protect life safety, property, reputation, and business resiliency.

**Ben Rose, Vermont Division of Emergency Management and Homeland Security** - Ben Rose joined the State of Vermont's Irene Recovery Effort in February 2012, and served as Vermont's direct liaison with FEMA in the role of Public Assistance Officer. His previous experience includes twelve years as Executive Director of The Green Mountain Club, four years as a Vermont State Representative and clerk of the House Natural Resources and Energy Committee, and six years as Executive Director of the Central Vermont Solid Waste Management District. He holds a B.A. from Yale University and a M.S. in Natural Resource Planning from the University of Vermont. Rose co-founded the Catamount Trail Association in 1984, and is a former Chair of the Vermont Trails and Greenways Council. He lives in Williston, Vermont, where he has served as a Justice of the Peace since 1998.



New England Water Environment Association (NEWEA)  
10 Tower Office Park, Suite 601, Woburn, MA 01801  
781-939-0908, mail@newea.org, www.newea.org