

Climate & Weather Information for Water Utilities & Stormwater Managers New England

Session 3: Flooding (July 28 1-3pm)

12:30pm Tech Check

Please join early to make sure you can connect properly.

1:00pm NOAA Intro

1:05pm Climate Info

Overview of historical floods in the region.

- Types of systems that typically flood us and the importance of the antecedent conditions.

1:15pm EPA Intro

Environmental Protection Agency (EPA)'s introduction to flood resiliency and related requirements for the drinking water sector from the 2018 America's Water Infrastructure Act (AWIA), and other EPA tools to help water utilities.

1:30pm Boston Water & Sewer Commission

Larger storms and higher tides are expected to impact Boston in the future due to climate change. The Boston Water and Sewer Commission has various projects underway to address the Commission's ability to discharge stormwater to receiving waters during major wet weather events and to analyze the impact major events may have in the City of Boston.

2:00pm NWS Northeast River Forecast Center (NERFC)

Participants receive a demonstration and explanation of tools.

- The NERFC produces timely and accurate water forecasts and information to support the NWS, customers, and partners, using the best scientific principles to integrate and model water, weather, and climate information.

2:30pm EPA Stormwater Calculator (SWC) & Storm Water Management Model (SWMM)

Participants receive a demonstration and explanation of tools.

- The SWC is a simple to use tool for computing small site hydrology for any location within the US. It estimates the amount of stormwater runoff generated from a site under different development and control scenarios over a long-term period of historical rainfall.