Training Objectives

- Share information about how environmental conditions and extreme weather events (e.g., drought and flooding) could impact drinking water, wastewater, and stormwater utilities in the northeastern U.S.
- Introduce EPA's Creating Resilient Water Utility (CRWU) resources and tools.
- Begin the process of conducting a risk assessment using the Climate Resilience Evaluation and Awareness Tool (CREAT).
- Identify and share information on adaptation strategies to build utility long-term resilience.
- Share information on available resources for financing resilience and adaptation.

Agenda

Duration	Item
8:00 a.m.	**Registration**
8:30 a.m.	**Welcome, Agenda Review and Participant Introductions** Scott Firmin, Portland Water District (Brewer) Bruce Berger, Maine Water Utility Association (Gardiner)
9:00 a.m.	**Presentation: CRWU Overview** *Introduction to the CRWU resources and tools.*
9:20 a.m.	**Presentation: CREAT Overview** *Introduction to the CREAT process and outputs to understand how to approach a CREAT assessment and apply the results.*
9:30 a.m.	**Presentation: Regional Extreme Weather Projections and Water Sector Impacts** Dr. Bob Marvinney, Maine Geological Survey *Presentation on observed and projected regional extreme weather variability and the potential impacts on water, wastewater and stormwater utilities, as well as relevant data resources.*
9:50 a.m.	**Presentation: Adaptation Utility Case Study** Scott Firmin, Portland Water District (Brewer) Mike Koza, Portland Water District (Gardiner) *Presentation on how Portland Water District (PWD) has implemented several physical adaptation measures as part of a routine Capital Improvements Process following flooding events that damaged their facilities. PWD has also implemented a process to plan for service disruptions caused by storms or other events.*
10:10 a.m.	**CREAT Module 1: Climate Awareness** *Learn about basic functionally of CREAT, start entering basic information about utility location and current concerns, and review the module summary report.*

Duration	Item
10:30 a.m.	**Break**
10:45 a.m.	**CREAT Module 2: Scenario Development** *Learn how to design scenarios of future climate conditions using climate data projections and review the module summary report.*
11:30 a.m.	**CREAT Module 3: Consequences & Assets** *Think critically about potential consequences from extreme weather and other environmental threats, characterize assets that are vulnerable to those threats and review the module summary report.*
12:00 p.m.	**Lunch (will be provided on-site for purchase)**
1:00 p.m.	**CREAT Module 4: Adaptation Planning, Part 1** *Learn how to identify existing adaptation measures that address extreme weather and other environmental threats.*
1:20 p.m.	**Small Groups: Identifying Potential *Adaptation* Measures** *Discuss the strengths and weaknesses of potential adaptation measures that can reduce consequences from extreme weather and other environmental threats, and identify priority measures for implementation.*
1:50 p.m.	**Discussion: Prioritization of Potential *Adaptation* Measures** *Report on the outcomes of the small group discussions. Discuss how individual utility experiences informed the prioritization of the measures selected by the group.*
2:20 p.m.	**Break**
2:30 p.m.	**CREAT Module 4: Adaptation Planning, Part 2** *Enter priority potential adaptation measures identified in the small groups into CREAT, build adaptation plans and review the module summary report.*
3:00 p.m.	**CREAT Module 5: Risk Assessment** *Assess the risks of extreme weather and other environmental threats to priority assets and review the assessment results and summary report.*
3:45 p.m.	**Presentation: Financing Resilience and Adaptation** Jack Kartez, NE Environmental Finance Center (Brewer) Martha Sheils, NE Environmental Finance Center (Gardiner) *Review financial resources utilities can apply for to fund adaptation measures.*
4:15 p.m.	**Workshop Wrap-Up** *Review workshop themes and identify next steps.*
4:30 p.m.	**Adjourn**