

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 Name TBD, Organization TBD (Brewer) Name TBD, Organization TBD (Gardiner)
9:00 a.m.	Presentation: CRWU Overview <i>Introduction to the CRWU resources and tools.</i>
9:20 a.m.	Presentation: CREAT Overview <i>Introduction to the CREAT process and outputs to understand how to approach a CREAT assessment and apply the results.</i>
9:30 a.m.	Presentation: Regional Extreme Weather Projections and Water Sector Impacts Dr. Bob Marvinney, Maine Geological Survey <i>Presentation on observed and projected regional climate variability and the potential impacts on water, wastewater and stormwater utilities, as well as relevant climate data resources.</i>
9:50 a.m.	Presentation: Adaptation Utility Case Study Name TBD, Portland Water District (Brewer) Name TBD, Portland Water District (Gardiner) <i>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.</i>
10:10 a.m.	CREAT Module 1: Climate Awareness <i>Learn about basic functionality of CREAT, start entering basic information about utility location and current concerns, and review the module summary report.</i>

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