

## Training Objectives

- Share information about how environmental conditions and extreme weather events (such as drought and flooding) could impact drinking water, wastewater, and stormwater utilities in Minnesota.
- Introduce EPA's Creating Resilient Water Utilities (CRWU) resources and tools.
- Identify and share information on adaptation strategies to build utility long-term resilience and discuss strategies for making the business case to invest in resilience.
- Share utility stories of successful resilience planning effort and adaptation activities.
- Provide information on available resources for financing resilience and adaptation.

## Agenda

Duration	Item
8:00 a.m.	<b>Registration</b>
8:30 a.m.	<b>Welcome, Agenda Review and Participant Introductions</b> Mark Wettlaufer, MN Department of Public Health
9:00 a.m.	<b>Presentation: Important Climate Trends and Projections for Minnesota's Water Sector</b> Kenny Blumenfeld, DNR MN State Climate Office <i>Presentation on observed and projected regional extreme weather and climate variability and the potential impacts on water, wastewater and stormwater utilities.</i>
9:30 a.m.	<b>Presentation: Adaptation and Resilience, CRWU Tools, Concepts, and Making the Business Case</b> Curt Baranowski, U.S. Environmental Protection Agency <i>Presentation on the concepts of adaptation and resilience in the water utility context. The presentation is based on content from Creating Resilient Water Utilities (CRWU) resources with a focus on risk management and return on investment.</i>
10:15 a.m.	<b>Break</b>
10:30 a.m.	<b>Introduction to CREAT</b> Marc Pritchard, Moorhead Public Service Mary Jo Kricorian and Alfredo Lagos, GDIT <i>Overview of EPA's CREAT 3.0 risk assessment and decision support process for water utilities. The presentation will provide an overview of the five modules of CREAT highlighting how utilities can use the tool to explore adaptation options, as well as how the tool's risk assessment results may be used to inform utility resilience planning. Additionally, the utility will provide an overview of its experience using CREAT.</i>

# Resilience Planning and Adaptation Training for Water and Wastewater Utilities

Duration	Item
12:15 p.m.	<b>Lunch</b>
1:15 p.m.	<b>Refresher Activity</b>
1:30 p.m.	<b>Utility Resilience Planning Case Study Panel Discussion</b> Moderator, Lori Blair, MN Rural Water Association Panelist, Lisa Vollbrecht, City of St. Cloud Panelist, Travis Block, City of Faribault Panelist, Eric Wojchik, Metropolitan Council <i>Selected utilities and organizations will describe the activities they have undertaken to reduce vulnerabilities and enhance resilience to extreme weather events, share how they have integrated adaptation and resilience activities into operational utility planning, and share relevant lessons learned.</i>
2:30 p.m.	<b>Break</b>
2:45 p.m.	<b>Small Group and Plenary Discussion: Advancing Resiliency Planning Efforts and Effective Communication Ideas Exchange</b> <i>Small group discussions focused on exchanging lessons learned and ideas about integrating resilience and adaptation activities into utility operations. Discussions will also focus on how to communicate effectively to gain stakeholder support and build partnerships to advance action on water utility resilience planning. Highlights of small group discussions will be reported out in plenary session.</i>
3:45 p.m.	<b>Presentation: Financing Resilience and Adaptation</b> Rebecca Sabie, MN Public Facilities Authority <i>Overview of financial resources utilities can apply for to fund adaptation measures.</i>
4:15 p.m.	<b>Workshop Wrap-Up</b> <i>Review workshop themes and identify next steps.</i>
4:30 p.m.	<b>Adjourn</b>