

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 midwestern U.S.
- 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.
- Introduce EPA's Creating Resilient Water Utility (CRWU) resources and tools.
- 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 Rachid Zoghaib, Cleveland Water Pollution Control (WPC)
9:00 a.m.	Presentation: Regional Extreme Weather Projections and Water Sector Impacts James DeGrand, State Climate Office of Ohio <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.	Presentation: Adaptation and Resilience, CRWU Tools, Concepts, and Making the Business Case Ashley Greene, 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.	Break
10:30 a.m.	Introduction to CREAT Jennifer Heard and Rachid Zoghaib, Cleveland Water Pollution Control (WPC) 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, Cleveland WPC will provide an overview of their experience using CREAT.</i>

Duration	Item
12:15 p.m.	Lunch
1:15 p.m.	Refresher Activity
1:30 p.m.	Utility Resilience Planning Case Study Panel Discussion Moderator, Pamela L. Davis, Northeast Ohio Areawide Coordinating Agency (NOACA) Panelist, Frank Greenland, Northeast Ohio Regional Sewer District Panelist, Robert Munro, Avon Lake Regional Water Panelist, Derek Schafer, West Creek Conservancy <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.	Break
2:45 p.m.	Small Group and Plenary Discussion: Advancing Resiliency Planning Efforts and Effective Communication Ideas Exchange <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.	Presentation: Financing Resilience and Adaptation Jerry Rouch, Ohio EPA <i>Overview of 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