



RESILIENCE PLANNING AND ADAPTATION WORKSHOP FOR WATER AND WASTEWATER UTILITIES

*Sponsored by U.S. EPA's
Creating Resilient Water Utilities (CRWU) Initiative*



Resilience Planning and Adaptation Workshop for Water and Wastewater Utilities

Welcome, Agenda Review & Participant Introductions

JULY 18, 2019

Mark Wettlaufer, MN Department of Public Health

Curt Baranowski, U.S. EPA Headquarters

Alfredo Lagos, GDIT

Workshop 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 Utility (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 efforts and adaptation activities; and
- Share information on available resources for financing resilience and adaptation.

Workshop Agenda

Time	Event
8:30 a.m.	Welcome, Agenda Review and Participant Introductions <i>Mark Wettlaufer, MN Department of Public Health</i>
9:00 a.m.	Presentation: Important Climate Trends and Projections for Minnesota's Water Sector <i>Kenny Blumenfeld, DNR MN State Climate Office</i>
9:30 a.m.	Presentation: Adaptation and Resilience, CRWU Tools, Concepts, and Making the Business Case <i>Curt Baranowski, U.S. Environmental Protection Agency</i>
10:15 a.m.	Break
10:30 a.m.	Introduction to CREAT <i>Marc Pritchard, Moorhead Public Service</i> <i>Alfredo Lagos and Mary Jo Kricorian, GDIT</i>
12:15 p.m.	Lunch
1:15 p.m.	Refresher Activity

Workshop Agenda

Time	Event
1:30 p.m.	Utility Resilience Planning Case Study Panel Discussion <i>Moderator, Lori Blair, MN Rural Water Association</i> <i>Panelist, Lisa Vollbrecht, City of St. Cloud</i> <i>Panelist, Travis Block, City of Faribault</i> <i>Panelist, Eric Wojchik, Metropolitan Council</i>
2:30 p.m.	Break
2:45 p.m.	Small Group and Plenary Discussion: Advancing Resiliency Planning Efforts and Effective Communication Ideas Exchange
3:45 p.m.	Presentation: Financing Resilience and Adaptation <i>Rebecca Sabie, MN Public Facilities Authority</i>
4:15 p.m.	Workshop Wrap-Up
4:30 p.m.	Adjourn



Resilience Planning and Adaptation Workshop for Water and Wastewater Utilities

Introductions and Perspectives on Extreme Events

Alfredo Lagos, GDIT

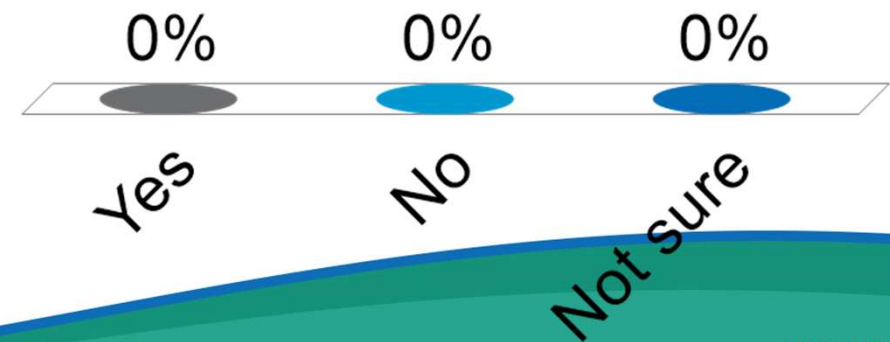
What group do you represent?

1. Drinking Water Utility
2. Wastewater Utility
3. Stormwater Utility
4. Combined Water/Wastewater Utility
5. Water Sector Association
6. State Primacy Agency
7. Local Government
8. State Government
9. Federal Government
10. Consultant



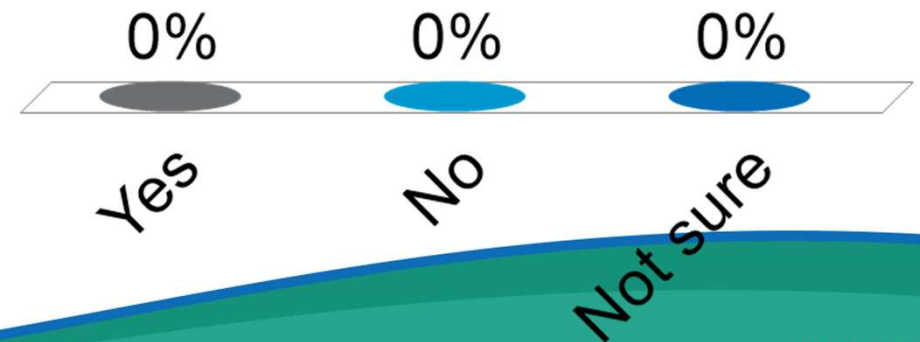
Have you conducted any extreme event or climate adaptation planning at your organization?

1. Yes
2. No
3. Not sure



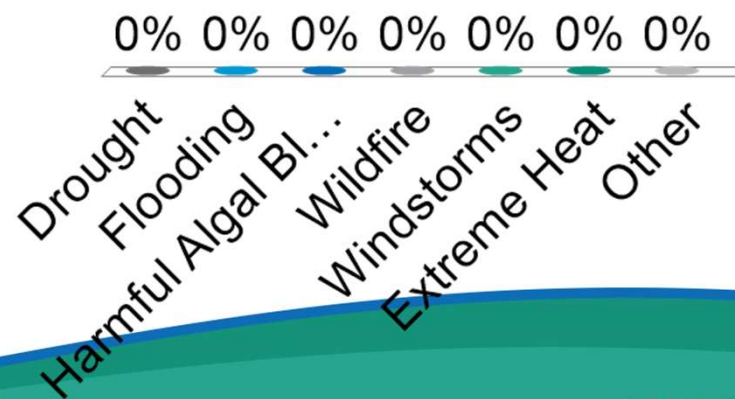
Have you ever used CREAT or any other USEPA Creating Resilient Water Utilities (CRWU) resource before?

1. Yes
2. No
3. Not sure



What potential extreme weather or future environmental condition impact are you most concerned about at your organization?

1. Drought
2. Flooding
3. Harmful Algal Blooms (HABs)
4. Wildfire
5. Windstorms
6. Extreme Heat
7. Other



Introductions

- Name
- Title
- Affiliation



**Resilience Planning and Adaptation Workshop
for Water and Wastewater Utilities**

**Important Climate Trends and
Projections for Minnesota's Water Sector**

Kenny Blumenfeld, DNR MN State Climate Office



**Resilience Planning and Adaptation Workshop
for Water and Wastewater Utilities**

**Adaptation and Resilience, CRWU Tools,
Concepts, and Making the Business Case**

Curt Baranowski, U.S. Environmental Protection Agency



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Break



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Introduction to CREAT

Marc Pritchard, Moorhead Public Service

Alfredo Lagos and Mary Jo Kricorian, GDIT



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LUNCH (on your own)



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Refresher Activity

Alfredo Lagos, GDIT



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Utility Resilience Planning Case Study Panel Discussion

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



Resilience Planning and Adaptation Workshop for Water and Wastewater Utilities

Break



**Resilience Planning and Adaptation Workshop
for Water and Wastewater Utilities**

**Small Group and Plenary Discussion:
Advancing Resiliency Planning Efforts
and Effective Communication Ideas
Exchange**

Alfredo Lagos, GDIT

Small Group Discussion: Objectives

Group Charge

- Share examples and actions your organization has implemented to adapt and build resilience to extreme events
- Exchange ideas and lessons learned about integrating resilience and adaptation activities into drinking water, wastewater, and stormwater utility operations
- Share examples and ideas of successful communication strategies to gain stakeholder support and build partnerships to advance water utility resilience planning
- Identify next steps you could take within your utility or community to advance resilience planning efforts

Small Group Discussion: Questions

1. What climate change and extreme weather threats have your organization identified and how have, or are you planning, to address the impacts?
2. What resources or types of support (financial, planning, board education, etc.) do your organization need to prepare for climate change and extreme weather impacts?
3. What communication methods or strategies have worked or not worked to gain support? Who have been successful partners in advancing efforts?
4. With what you learned today, what steps do you plan to take after this workshop to make your organization more resilience to climate change and extreme weather impacts?

Small Group Discussion: Process (30 Min.)

Self-facilitated Process

- Break into groups based on the colored dot on your name tent for placement
- Discuss all questions with your group
- Draw on workshop content and your own experience
- Record your key takeaways on worksheet
- Support staff will help facilitate
- Identify a group member to provide summary and report highlights

Enjoy your conversation!

Small Group Reports

1. What climate change and extreme weather threats have your organization identified and how have, or are you planning, to address the impacts?
2. What resources or types of support (financial, planning, board education, etc.) do your organization need to prepare for climate change and extreme weather impacts?
3. What communication methods or strategies have worked or not worked to gain support? Who have been successful partners in advancing efforts?
4. With what you learned today, what steps do you plan to take after this workshop to make your organization more resilience to climate change and extreme weather impacts?



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Financing Resilience and Adaptation

Rebecca Sabie, MN Public Facilities Authority

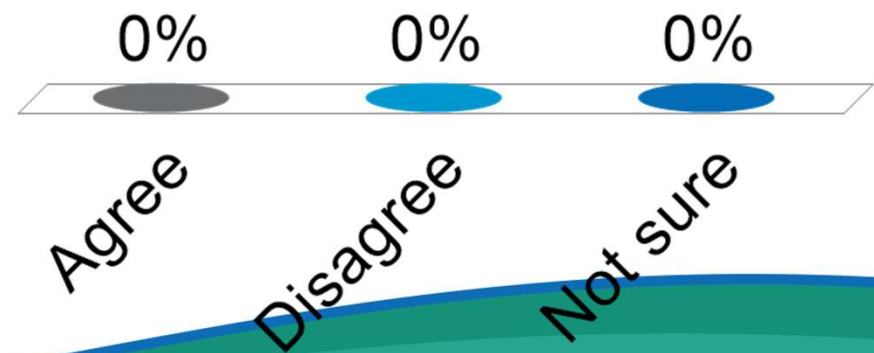


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Workshop Wrap-Up

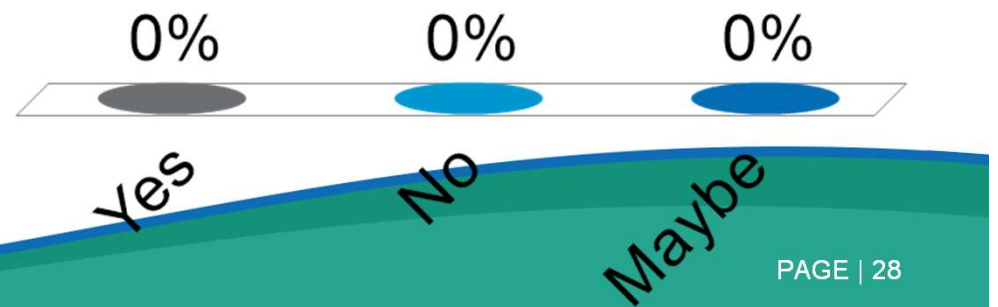
I will share the information I learned at this workshop with my colleagues and management.

1. Agree
2. Disagree
3. Not sure



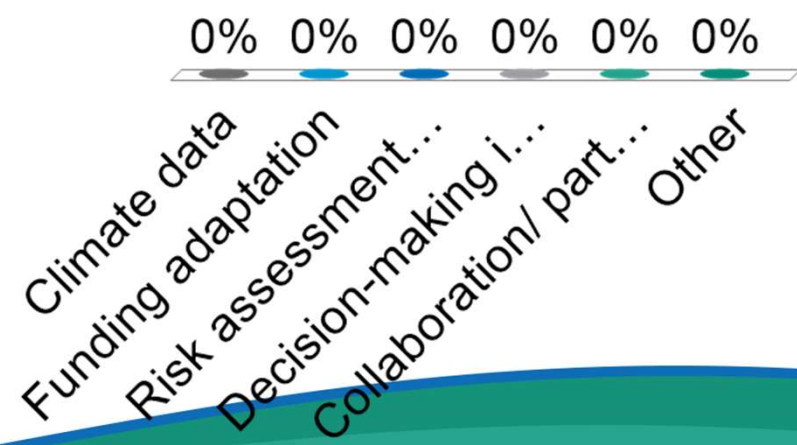
Would you like to participate in future webinars to learn more about CRWU resources or get additional help with your CREAT assessment?

1. Yes
2. No
3. Maybe



What topic would you like more information on in the future?

1. Climate data
2. Funding adaptation
3. Risk assessment processes
4. Decision-making in face of uncertainty
5. Collaboration/ partnerships
6. Other



Contact Us

crwuhelp@epa.gov

CURT BARANOWSKI

Baranowski.Curt@epa.gov

STEVE FRIES

Fries.Steve@epa.gov

ALFREDO LAGOS

Alfredo.Lagos@gdit.com

MARY JO KRICORIAN

MaryJo.Kricorian@gdit.com

Visit us on the web at:

www.epa.gov/crwu

Join our mailing list:

crwu_contacts@lists.epa.gov

*****Drop off your completed feedback form*****