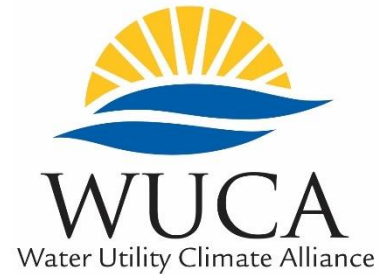


**Building Resilience to a Changing Climate:
A Technical Training in Water Sector
Utility Decision Support**



**Welcoming Remarks, Agenda Review, and Participant
Introductions**

Keely Brooks, Chair, Water Utility Climate Alliance

Lurna Kaatz, Vice Chair, Water Utility Climate Alliance

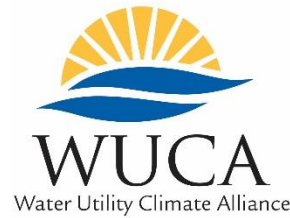
Brad Spangler, Meridian Institute

September 26, 2017

UCAR Green Center Campus

Boulder, CO

Water Utility Climate Alliance



<http://www.wucaonline.org/>

Vision: Climate-resilient water utilities, thriving communities

Mission: Collaboratively advance water utility climate change adaptation

Introduction

Climate change is here and now...
AND it's wicked and highly uncertain



Training Vision

WUCA's Vision:

- Foster smart translation and use of climate information
- Encourage action on adaptation and resilience planning under conditions of **deep uncertainty**
- Effectively communicate

This training is about:

- State of the science: climate, applied, decision, communication
- Long-term focus
- Adaptation and resilience

Acknowledgements

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Training Objectives

- Enhance understanding of the capabilities and limitations of climate science and learn best practices for using it in long-term water and wastewater utility planning;
- Learn about planning methods for addressing uncertainty when incorporating climate science into utility decision-making processes; and
- Learn communications best practices and skills to generate engagement and buy-in around utility climate adaptation and resilience building.



Training Agenda Overview – Day 1

Time	Session
8:30-9:15 a.m.	Welcome, Agenda Review, and Participant Introductions
9:15-10:30 a.m.	Group Exercise: Decisions for the Decades: Understanding Deep Uncertainty
10:30-10:45 a.m.	Break
10:45-11:15 a.m.	Decision-Making in the Face of Uncertainty at Denver Water
11:15-11:45 a.m.	Introduction to Conquering Internal Utility Climate Change Communication Challenges
11:45 a.m.-12:30 p.m.	Facilitated Discussion: Training Participant Experience and Challenges
12:30-1:15 p.m.	Lunch (Sponsored by WUCA)
1:15-1:30 p.m.	Translating Actionable Information
1:30-2:15 p.m.	Climate Science for Water Professionals
2:15-2:30 p.m.	Break
2:30-3:15 p.m.	Using Climate Change Projections to Understand Uncertainty
3:15-4:00 p.m.	Water Utility Climate Adaptation and Resilience Planning
4:00-4:30 p.m.	Key Takeaways from Day 1

Participant Overview

- Participants cover a variety of backgrounds including:
 - Consultants
 - Utility Personnel (Drinking Water, Wastewater, Stormwater, and Combined Systems)
 - Government (Local, State, Federal)
 - Academia
 - Professional Associations
 - Research Institutions
 - NGOs

Participant Introductions

- Name
- Title
- Affiliation

Logistical Items

- Restrooms
- Audio/microphones
- Please silence cell phones
- Food and beverages
- Evacuation procedures
- Feedback forms