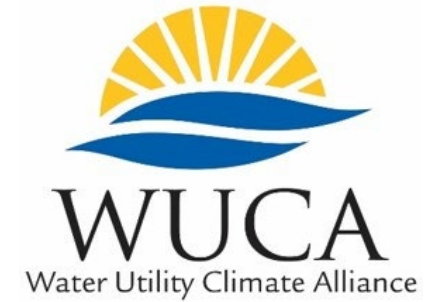


**Building Resilience to a Changing Climate:
A Technical Training in Water Sector
Utility Decision Support**



Day 2 – WUCA Climate Training

July 20, 2022



Looking down onto the Colorado River from Gooseneck Trail in Utah near Canyonlands National Park. *Source: Dave Bassett*

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



Workshop logistics

Alyssa Hall, Cadmus

Logistics and housekeeping before we get started



↑
Mute/
Unmute

↑
Turn video
on or off

↑
Open
chat

↑
Raise
hand

Workshop Logistics

Audio

- Please mute yourself during presentations except when called on to ask a question

Video

- Please keep your video off during presentations.
- Please turn your video on during interactive portions.

Recordings

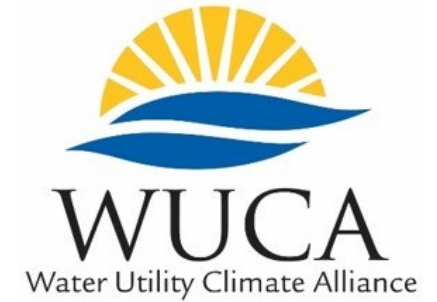
- All presentations will be recorded but breakout group discussions will not be recorded.

Renaming

- Please make sure to rename yourself by what you'd like to be called.

This workshop is a collaborative environment. Please be respectful of others and their thoughts/ideas.

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



Welcome, Reflections & Agenda Review

Keely Brooks, WUCA, Southern Nevada Water Authority

Day 1 Reflections

- Decisions for the Decades Game – Need to make investments with imperfect information.
- Can't be prepared for everything. Use the Guiding Principles/Do's and Don'ts to help make decisions despite imperfect information.
- GCMs are the best source of information on future climate, but they are PROJECTIONS not PREDICTIONS.
- GCMs rely on assumptions about future emissions which are uncertain.
- GCMs are low resolution and don't adequately represent mountainous terrain like the Colorado River Rockies.
- GCM ensembles have better skill but does not show range of projections
- GCMs are improving in skill, but newer doesn't necessarily mean better.

Day 2 Agenda Brief Preview

Day 1 (July 19)

- Group exercise: Decision for the decades.
- Focus will be on understanding the capabilities and limitation of climate science.

Day 2 (July 20)

- Expand on capabilities and limitation of climate models, downscaling, and hydrology models.
- Hear from a panel of experts about confronting challenges (especially communication challenges) from decision makers in the water sector.

Day 3 (July 21)

- Understand the different planning frameworks that address deep uncertainty associated with climate change; and
- Learn different communication tools to be able to explain the value and limitations of different planning frameworks to various audiences.