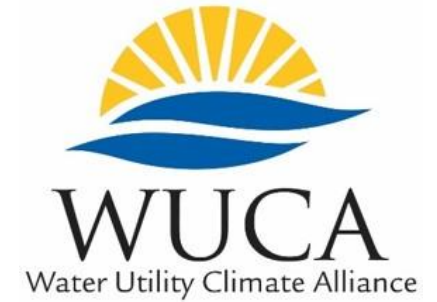
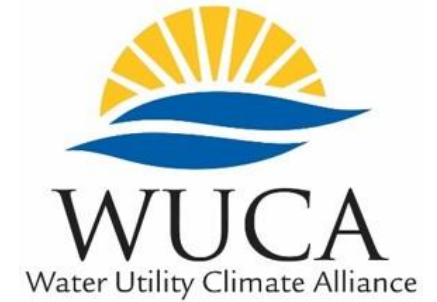


**Building Resilience to a Changing Climate:
A Technical Workshop in Water Utility
Decision Support and Adaptation**



Workshop Day 3: Working together to Navigate an Uncertain Future

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Reflections on Day 2, Preview Day 3

Alan Cohn, WUCA, NYC DEP

Day 2 Reflections

- Decisions for the Decades Game
 - Highlighted the need to make investments with imperfect information
 - Risk tolerances/appetites vary (individually, within organizations, cities, regions). Need to openly discuss this as part of the planning process
- Understanding what information you really need to inform adaptation decisions may be different than what you expect (and important to carefully consider).
- Decision Making under Deep Uncertainty (DMDU) methods can help address challenges of planning amid a changing climate.
 - Consider multiple future
 - Seek robust and adaptive plans
 - Analyze data to identify conditions which cause policy or systems to be vulnerable across range of metrics
- DMDU methods in practice: Metropolitan Water District of Southern California and South Florida Water Mgmt District

Day 3 Agenda Brief Preview

Day 1 (Oct 17)

- Provide participants a better understanding of the latest climate change projections for the Northeast Region of the US and the Delaware River Basin, specifically.
- Create a shared understanding of the context in which climate change science and adaptation leading practices are being applied at water/wastewater/stormwater utilities.

Day 2 (Oct 18)

- Enhance understanding of the capabilities and limitations associated with using climate science in long-term water agency planning.
- Understand different planning frameworks that address deep uncertainty associated with climate change.
- Highlight case studies related to adaptation leading practices and discuss opportunities, challenges and barriers related to successful adaptation.

Day 3 (Oct 19)

- Highlight case studies related to adaptation leading practices and discuss opportunities, challenges and barriers related to successful adaptation.
- Provide a forum to explore opportunities to enhance the co-creation of actionable climate change science for drinking water, wastewater and stormwater utilities in the Northeast Region.