

Building Resilience to a Changing Climate

June 4 & 5, 2024

Welcome to Day 2!

- 11:00am
- Network: U of Washington
- UW Net ID: event0386
- Password: x2C6-y2Q7-q6P4 (include dashes)



Day 1 Key Takeaways

1. Decisions for the Decades Game
 - Highlighted the need to make collaborative and individual investments with imperfect information.
 - Illustrated challenges with the “predict-then-act” approach.
2. PNW climate impacts: Less water in summer, warmer water in summer, larger floods in winter, and all life stages of salmon affected.
3. Greenhouse gas scenarios drive projections, not predictions.
4. There will always be a range of projections and they will evolve over time as the science improves.

Day 1 Key Takeaways

5. Downscaling and hydrologic modeling provide local-scale insights of global-scale information.
6. Models can be useful tools, if used appropriately.
 - **Be a savvy consumer.**
7. Consider your decisions before selecting data and tools.
 - Need help in doing this? Consult local experts and national resources.
8. Traditional/static/deterministic planning is too limiting for the challenges water utilities encounter, especially in an era of climate change.
9. The scenario and adaptive planning process enabled Portland to draw on capacity, knowledge, and expertise of staff to have the direct involvement and ability to shape planning processes, building institutional capacity for the future.

Agenda Preview

DAY TWO (June 5)

- Reflections
- EPA CRWU Stories
- Group exercise
- Santa Cruz case study
 - Lunch --
- Panel and discussion:
Confronting barriers to
implementation

Activity: WUCA Leading Practices



Day 2 Key Takeaways

1. EPA CRWU's scenario planning...

- introduces communities to SBP (or making decisions under uncertain conditions) while incorporating climate science and adaptation concepts.
- provides shared language and concepts to foster connections and help systems exchange knowledge and experience.
- supports visibility (and capabilities) of communities in need of financial support to those that can provide further assistance and access to that support for eligible projects.

2. Scenario Planning in general...

- is quick and efficient.
- can be used to address supply risks and uncertainties while still incorporating quantitative metrics important to your utility's supply situation.
- can help foster stakeholder dialogue to plan and prepare for a range of future outcomes.
- can set you up to identify possible alternative or adaptive supply actions depending on how future conditions unfold.

Day 2 Key Takeaways

3. Many climate projections indicate an increase in the water supply deficit, which is significantly affected by climate change.
4. Increases in variability greatly increase the water supply deficit even with no reduction in precipitation.
5. Important to engage a variety of stakeholders
6. You don't have to confront and overcome barriers alone.