

## Resilience Planning for Small Water Systems in Washington State

Date: March 1, 2022

Time: 9:00am - 12:00pm

Venue: *Virtual* Zoom Registration

Time	Session	Presenter
9:00 am – 9:10 am	<b>Login</b>	
9:10 am – 9:30 am	<b>Changes in Natural Hazards and Surface Water Supply</b> Water systems must plan and prepare for changes in supply and demand, as well as a range of climate-related hazards that can interrupt system reliability. This session will provide an overview of expected long-term changes in temperature, snowpack, streamflow, sea level rise, and natural hazards such as floods and fires. This presentation will describe potential implications for water system operations and infrastructure, and why planning for only system reliability under current conditions may be insufficient to ensure longer term resilience.	Crystal Raymond, University of Washington Climate Impacts Group
9:30 am – 9:45 am	<b>Drinking Water Climate Resilience Planning</b> This session provides an introduction to the role of resilience planning in building water system reliability, specifically as this relates to drought and other climate-related hazards. We will also review planning requirements for small water systems, and relevant opportunities to integrate resilience planning within existing regulatory frameworks.	Brian Sayrs, Washington State Department of Health
9:45 am – 10:10 am	<b>Climate Resilience Planning 101: Identifying Climate Risks</b> Water system operators are invited to reflect on their recent experiences with drought, flooding, wildfire, turbidity and other climate-related natural hazards or changes, as well as share their successes and lessons learned from responding to these risks in breakout room discussions.	Moderators
10:10 am – 10:30 am	<b>Overview of drought in Washington State</b> This session will cover different types of drought using recent WA examples as well as the linkage between drought and climate change. We will also discuss the funding that's available during drought and provide a brief update on existing and emerging state policies aimed at addressing drought.	Karin Bumbaco, Office of the Washington State Climatologist
10:30 am – 10:50 am	<b>Changes in Groundwater and Water Quality</b> Because many water systems in Washington depend on groundwater, this session will build upon information presented in the previous session, focusing specifically on expected changes in groundwater availability and quality given climate change. The presentation will highlight how groundwater is connected to surface water sources and influenced by regional and local land and water management decisions.	Rebecca Neumann, University of Washington Civil and Environmental Engineering

10:50 am – 11:00 am	<b>Break</b>	
11:00 am – 11:15 am	<b>Lessons Learned on Resilience Planning from Washington State Water Systems</b> Case studies of Washington State water systems that are already using drought and climate information in their planning processes can provide us with valuable lessons in resilience planning. We will also highlight examples of adaptation responses that would be most applicable to small water systems, given limited resources and capacity.	Erica Asinas, University of Washington Climate Impacts Group
11:15 am – 11:40 am	<b>Climate Resilience Planning 101: Building Resilience to Climate Impacts</b> This activity will guide water system operators and planners through a simple framework for considering drought and climate information into planning, identifying key impacts of concern and related water system vulnerabilities, and designing an adaptation response.	Moderators
11:40 am – 11:55 am	<b>Resources and Tools</b> This session will connect participants with resources, tools, and other training opportunities that are currently available to assist water systems with their resilience planning, with a focus on US EPA's Climate Resilience Evaluation and Awareness Tool (CREAT) 2.0.	Wesley Wiggins. EPA
11:55 am – 12:00 pm 5 minutes	<b>Closing</b>	