

# Status of Water Reuse in the Nation

**Abstract:** This presentation will discuss Water Reuse in the Western United States to show that it is strong and growing from direct, indirect and de facto reuse to potable water reuse. The presentation will discuss drivers and current status of reuse projects and that there is a growing demand for reuse and recycled water. This presentation will provide information on water reuse projects globally, in the western U.S., and specifically to Idaho. Climate change impacts in the PNW are varied across OR, WA and ID and will affect temperature, precipitation, snow pack, soil moisture and many other parts of our environment. Recycled water can be used as a tool to help us adapt to these changes and increase our resiliency as a society.

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Larry has his Master of Engineering in Civil Engineering (emphasis in water resource and environmental engineering) and over 12 years of experience in wastewater design and permit writing. Functioned as the committee chairman in the development of the current State of Idaho Wastewater Land Application Operators licensure exam and associated study manual. He participated as one of the DEQ instructors in the first two wastewater land application operator exam review courses.

**Presenter:**                **Guy Carpenter, P. E.**  
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Guy Carpenter is a senior water executive, whose 25-year career includes utility operations, water resources planning and management, public policy development, engineering consulting, elected public service, and bringing intellectual property to commercialization. Guy has a bachelor's degree in Chemistry from Northern Arizona University and is a registered Professional Engineer (Civil) in Arizona. Mr. Carpenter currently serves as board member for the Central Arizona Project, which delivers Colorado River water to the three county area in Arizona where 85% of the state's population lives. He is also the President of the WateReuse Association, and has served on the Association board for 6 years. Guy also serves on the advisory boards for the University of Arizona Water Resources Research Center, and the Arizona State University Kyl Center for Water Policy at the Morrison Institute. Guy recently resigned from Carollo Engineers as their national Water Reuse Technical Practice Director to become the Senior Vice President of Strategic Operations for AquaTecture, which is developing

public private partnerships for water and wastewater projects, bringing transformative intellectual property to market, and providing staffing and consulting services for water and wastewater systems.

**Presenter:**                **Chris Stoll**  
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Chris is a professional engineer in WA and OR and has worked on the planning, design and construction of drinking water, wastewater and storm water projects ranging from conveyance to treatment facilities. Chris is the current President of the PNW Section of WateReuse.