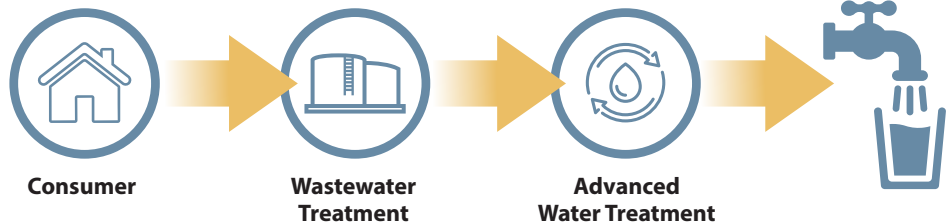


What Is Advanced Water Purification?

Advanced Water Purification (AWP) is an innovative set of water treatment processes that purifies treated wastewater into safe drinking water without the need for an environmental buffer, such as a river or lake. The purified water is then blended with other sources of water, such as groundwater or surface water, and distributed as drinking water to consumers. AWP can help increase the availability of water in areas with water scarcity and reduce the dependence on limited sources of water.

Key Facts About AWP

- AWP involves using proven technologies such as UltraViolet (UV) light, Reverse Osmosis (RO), ozone and biofiltration to purify water to meet or exceed state and federal drinking water standards.
- The treatment process effectively targets pathogens and harmful chemical contaminants.
- AWP is safe and effective in providing high-quality drinking water. Studies have shown that the purified water is of comparable or better quality than conventional drinking water sources.



What Is ADEQ Doing And Why?

Just like water conservation, water recycling and other sustainable water management practices, AWP is a part of Arizona's long-term strategy to ensure a safe and adequate drinking water supply sufficient to support Arizona's existing and future population.

ADEQ is working on a rule to establish a permitting process for collecting and treating wastewater to meet protective standards so that it may be used as a drinking water source.

What Are The Benefits Of AWP?

AWP is a valuable strategy for managing water resources, offering numerous benefits:

- Increased Water Quality
- Drought Resilience & Water Security
- Improved Public Health
- Reduced Environmental Impact
- Energy Efficiency
- Sustainability

Learn more about what ADEQ is doing to help utilities provide AWP as a viable drinking water source for Arizona communities and how you can get involved:



azdeq.gov/AWP