



**PURE
WATER
PHOENIX**

Cave Creek Road

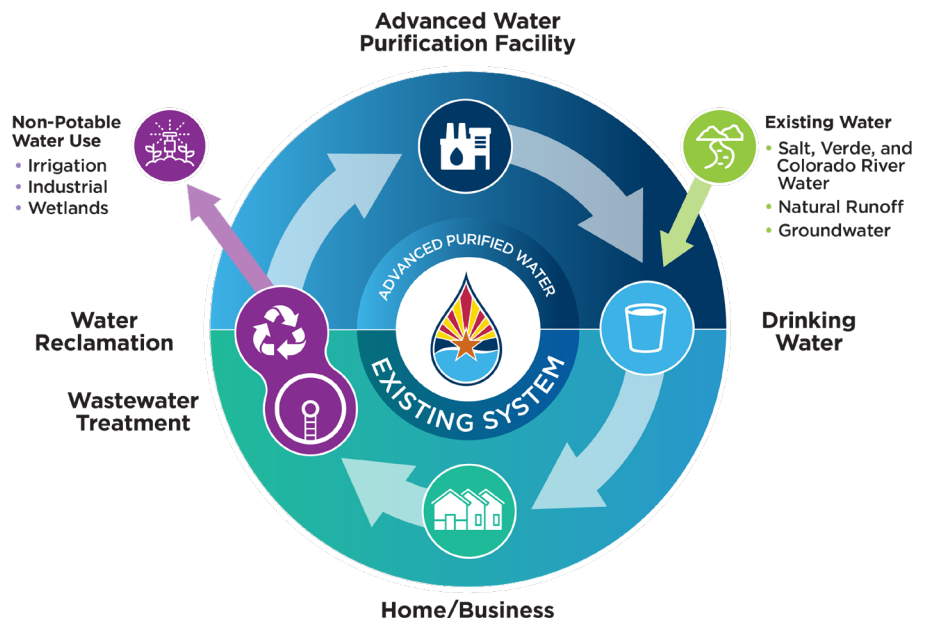
Located in northeast Phoenix, Pure Water Phoenix at Cave Creek Road will bring a new and renewable source of purified drinking water to Phoenix water customers. Between 2000 and 2008, the plant delivered recycled water to parks and golf courses before being closed due to reduction in local business and housing development and accompanying wastewater flows. By 2029, the facility's drinking water production capacity is expected to be 6.75 million gallons per day, or enough water for approximately 25,000 homes.



Did You Know? Phoenix currently recycles 97% of the 70 billion gallons of wastewater generated annually, delivering it for use in agriculture, energy production, urban irrigation, aquifer recharge, and riparian wetland maintenance.

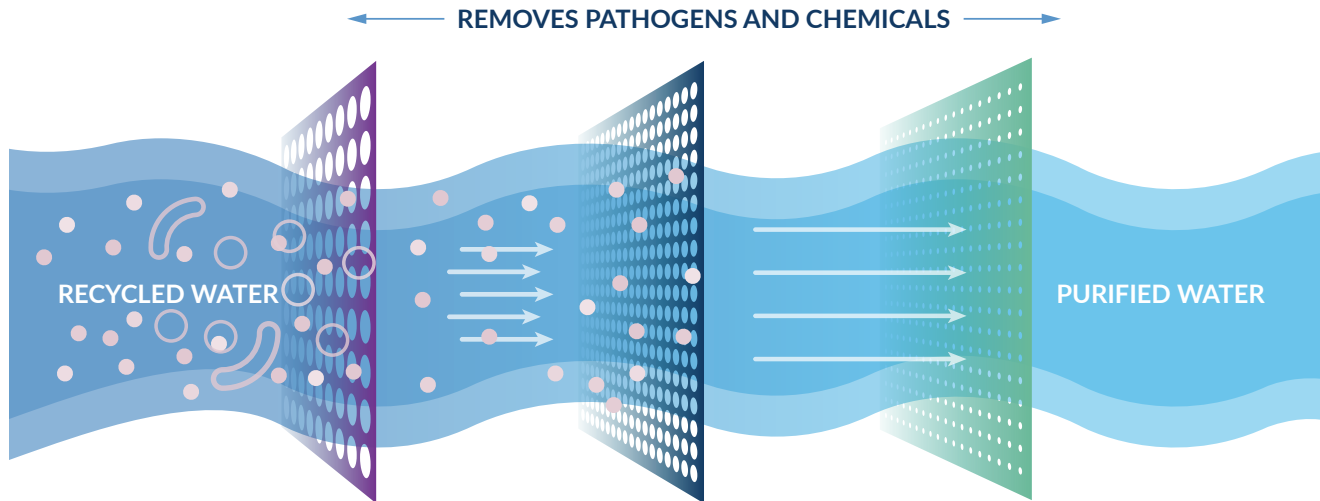
Project Components

Much of the existing infrastructure at the former water reclamation plant will be used in the new treatment process, and it will be upgraded to include advanced water purification. During the first-year demonstration period, the renewable water will be used to serve recycled water customers and to recharge groundwater supplies. Once fully operational, the purified water will be incorporated into the drinking water system.



What is Advanced Water Purification?

Advanced water purification includes a combination of proven technologies that safely and efficiently purifies recycled wastewater into drinking water. The water produced is so clean it meets or exceeds federal and state drinking water requirements.



Reverse Osmosis and Ultraviolet Advanced Oxidation will be added to the water recycling processes to destroy pathogens, remove chemicals, and disinfect the water to bring it to drinking water standards.

A Critical Component for Phoenix's Water Future

The current project at Cave Creek Road is a critical component of the City's program called Pure Water Phoenix. This program represents the City's plans to bring additional advanced water purification facilities online to improve water supply reliability. Additionally, the program includes a robust public engagement effort about the proven technology, and the benefits it can provide to residents and businesses in the Desert Southwest.



Project Benefits

-  Creates a new and renewable source of safe drinking water
-  Reduces Phoenix's reliance on imported surface water
-  Meets or exceeds purity standards
-  Preserves and recharges groundwater
-  Sustains quality of life and economic vitality

PHOENIX ADVANCED WATER PURIFICATION FACILITIES TIMELINE



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WATER SERVICES DEPARTMENT**
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