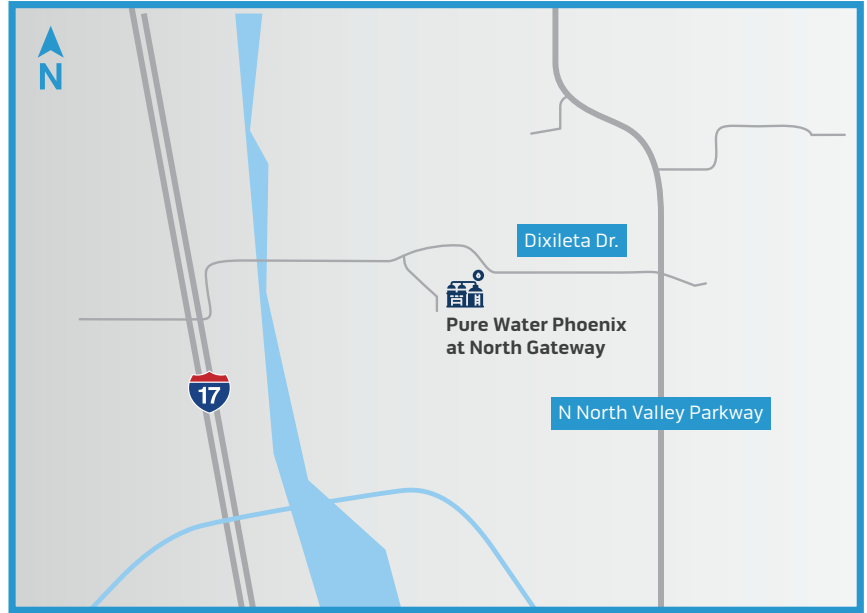




PURE WATER PHOENIX

Pure Water Phoenix at North Gateway

Located in northern Phoenix, Pure Water Phoenix at North Gateway is a planned advanced water purification facility. A \$179 million investment from the U.S. Bureau of Reclamation will support the City's new water purification infrastructure at North Gateway. Once online, the facility will clean recycled water to produce nearly 7 million gallons of purified drinking water each day — enough to serve approximately 25,000 households.

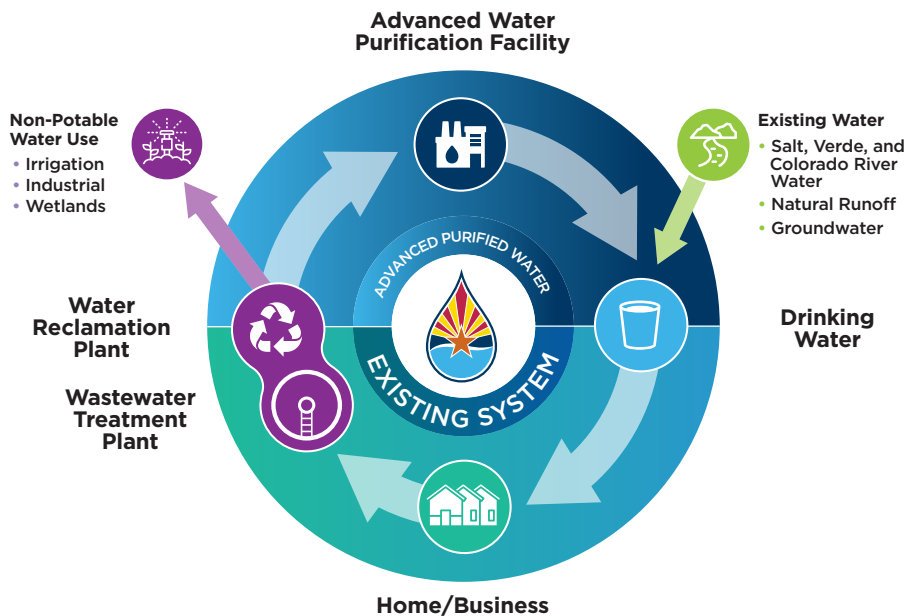


Approximate location - location may be subject to change

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.

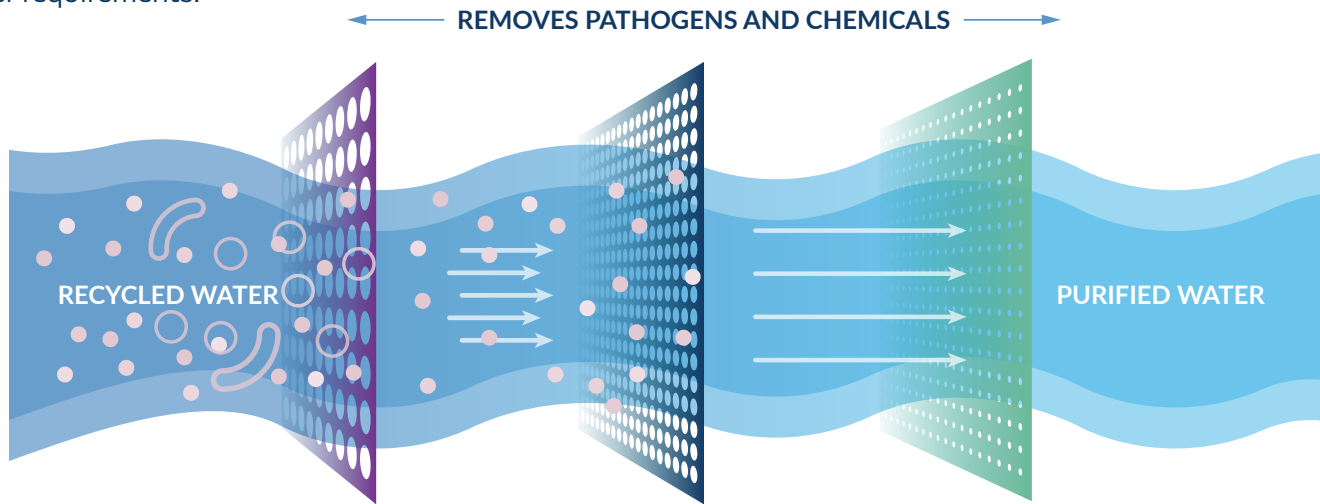
Project Components

The project will use several advanced water purification steps to produce clean and safe drinking water from recycled water. These steps are planned to include membrane bioreactors (which use beneficial microbes and fine filters to clean the water), reverse osmosis (a process that pushes water through an extremely fine filter to remove salts and other impurities) and ultraviolet advanced oxidation (which uses ultraviolet light and a small amount of chlorine to break down any remaining contaminants). By combining these proven technologies, the system will produce high-quality drinking water.



What is Advanced Water Purification?

Advanced water purification includes a combination of proven technologies that safely and efficiently purifies recycled water 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 North Gateway is a critical component of the City's Pure Water Phoenix program. This program represents the City's plans to bring additional advanced water purification facilities online while providing education 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

