

## Water Production

### Overview of Water Production

Ground water is the sole source of potable water in the City of Prescott. The City produces water from seven production wells from the Prescott AMA (Active Management Area) and Airport area. The water is disinfected through a chlorine water treatment and then pumped into a five million gallon reservoir at the Chino Production Facility.



From that location, booster pumps convey the water to Prescott via high-pressure water mains. The City's water quality is excellent, requires very little treatment, and is monitored daily to ensure the highest quality. As the City of Prescott is fortunate to draw from high quality aquifers, the water requires minimal treatment. Water Operations selects a combination of two treatment processes appropriate to reduce the contaminants found in our groundwater. These two processes are disinfection with the use of Chlorine, Water Blending and Arsenic Removal. The City's Water Production system includes 7 wells, 25 Water Storage Tanks, 37 Booster Stations and 81 Pressure Regulating sites. These processes and infrastructure ensure the delivery of potable water not only at safe levels, but water quality that surpasses state and federal regulations.



These pumps and stations supply water to more than 90 different pressure zones throughout the City's 500 miles of water main pipes. Tank elevations, pumping and controls are managed by our production staff and supplemented by our Supervisory Control and Data Acquisition software (SCADA).



### Wells / Water Tanks

Water Production Staff is responsible for well repairs, water tank site inspections, mechanical repairs on pump station assets and booster pump station inspections. The City currently draws and treats ground water from seven production wells. Staff also performs preventative maintenance on system pressure reducing valves as well as provides water infrastructure consultation and support to City engineering departments and capital improvement projects.

