

Strong and Safe Water Tanks

The Willamette Water Supply Program's top priority is providing safe, reliable drinking water. Water storage tanks are a critical piece of the water distribution system. Stored drinking water provides important benefits:

- Supply the extra water needed during peak water use (for example, in the morning when many of us take showers).
- Maintain uniform water pressure at the tap.
- Provide emergency water that can be used when pipes break or pumps stop working and repairs must be made.
- Deliver water for fighting fires, even during power outages and other emergencies.

Two 15-million-gallon water storage tanks are needed for the Willamette Water Supply System. The water tanks will store water pumped from a water filtration facility located east of Sherwood. From the tanks, water will be delivered – by gravity – to homes and businesses within Tualatin Valley Water District (TVWD) and Hillsboro and Beaverton service areas.

Because water tanks play such an important role, they will be designed to current seismic standards with extra safety features. Some features include:

- ✓ Seismic cables will be used to connect tank walls and foundations.
- ✓ Pre-stressed concrete will be used to make sure tank walls do not crack during an earthquake.
- ✓ Sensor valves will be installed on inlet and outlet pipes that can be closed to prevent water loss through broken pipes/leaks in the system that could drain the tank.
- ✓ Pipe connections that are flexible, making them less likely to break.

Our Future Water Supply

The Willamette Water Supply Program (WWSP) is a partnership between TVWD, the City of Hillsboro and the City of Beaverton to develop the mid-Willamette River at Wilsonville as an additional water supply source. This new system, when operational in 2026, will provide a reliable water supply for the region while also helping water system operators balance supply during times of drought or other supply interruptions, and recover more quickly after a large natural disaster.

Learn More

OurReliableWater.org 503-941-4570 | info@ourreliablewater.org

2020 DESIGN UPDATE

The Willamette Water Supply Program Reservoir Design Team will soon begin final design for the future water storage tanks and construction staging site (west across Grabhorn from reservoir site) at the corner of Stonecreek Drive and Grabhorn Road.

Beginning in late February, additional work will take place at the site. This work includes:

- survey work and geotechnical drilling to better understand the depth of rock at the reservoir and staging site
- training exercises by emergency responders; and
- demolition of structures (in coordination with Habitat for Humanity for re-purposing/reuse of house parts).

We will update the neighbors as reservoir and pipeline design progresses through 2020. Construction is anticipated to begin in late 2021.



Water storage tanks, like the Crandall Reservoir, hold water that can be used for regular or emergency water delivery.