



SW 108th Avenue Water Reservoir & Pump Station

Frequently Asked Questions

The City of Tualatin is planning improvements to its water system, including the construction of a new drinking water reservoir and pump station. These will be developed on a 4.75-acre site at SW 108th Avenue and SW Dogwood Street. Over the next few years, the City will design and build a new 2.5 million-gallon above-ground water tank and pump station to ensure a steady water supply for drinking, public health, and fire protection.

Why are the new reservoir and pump station being constructed?

The new reservoir and pump station are essential for enhancing Tualatin's water distribution system. They will increase system capacity, improve seismic resilience, and ensure greater reliability.

How was this site chosen?

The City acquired this site more than 30 years ago, in 1991. Its location and size are ideal for a water reservoir. An operational aquifer storage and recovery (ASR) well is already on site.

What is aquifer storage and recovery (ASR)?

Aquifer storage and recovery involves storing treated drinking water underground in porous rock formations. This water is later "recovered" for use. Tualatin's ASR well, located on this site, helps manage costs by reducing reliance on purchased water during summer.

What are the project benefits for neighbors and water customers citywide?

The improvements will benefit both local residents and customers citywide. The additional storage will ensure adequate water supply during peak summer demand and throughout the year. The new pump station will provide more consistent water pressure, which is crucial for firefighting and overall system reliability. Currently, water for this area comes from distant tanks across I-5.

Can you tell us more about the reservoir?

The new reservoir will supplement Tualatin's existing water system. It will be an above-ground tank, 72.5 feet tall, located on the eastern portion of the site near the existing access road. The 2.5 million-gallon reservoir and its pump station will operate year-round and serve customers citywide.

How would an earthquake affect the reservoir?

The reservoir, isolation valves, and pipes will be designed to meet current seismic standards with additional safety features to ensure functionality after a major earthquake.

What about the pump station?

The pump station will be connected to the storage tank and have the capacity to deliver up to 1.5 million gallons per day to the water distribution system, particularly around the new reservoir. It will maintain water pressure, provide a consistent flow for fire suppression, and improve overall reliability. The pumps will be housed in a small concrete masonry building with a brick facade, designed to resemble the ASR well structure.

How much will the project cost? Who will pay for it?

The project will be funded through monthly water rates citywide.

Will there be opportunities to comment on the proposed design?

Work has just begun, including site surveying and soil assessment for earthquake resilience. The public will be informed and invited to provide input at various stages of the project. Community members can learn more, ask questions, and get involved during the design phase, which is scheduled for completion in September 2025.

When will construction start?

Contractor selection is expected in late 2025, with construction anticipated to begin in early 2026.

How can I get more information?

For more details, please visit <https://www.tualatinoregon.gov/engineering/108th-water-reservoir-and-pump-station>