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 construct 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, 72feet tall, concrete tank with a dome roof 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 was the reservoir height selected?
At 72 feet, the reservoir is able to achieve adequate pressure and meet design requirements

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 is funded through monthly water rates citywide and developer-paid system development charges.

When will construction start? When will construction end?
Construction anticipated to begin in early 2026 and is anticipated to wrap up at the end of the year.

What are the allowable work hours?
Construction will generally be allowed Monday through Friday between 7am and 6pm. Exceptions to work hour restrictions may be made due to weather conditions and other circumstances that may affect project schedule.

Is weekend work going to be allowed?
Construction will not be allowed on weekends or holidays unless permitted by the City under special circumstances.

Where will construction vehicles park?
Generally, the site will accommodate all construction vehicle parking. On days that require more space, for example when pouring new concrete, vehicles may use the public parking along SW 108th Avenue.

Will the project require any road closures?
SW 108th Avenue will primarily stay open but may require occasional short-term closures lasting no longer than a day.

Will construction be noisy?
Construction of a concrete reservoir is much quieter than that of a steel tank. Noise levels will be comparable to those of typical residential construction. Neighbors will hear construction vehicles and equipment, and voices of workers. Vibrations may occasionally be felt as well. Concrete trucks and dump trucks will likely be the source of the most noise and traffic.

What will happen to the property when construction is complete?
The site will remain closed to the public and will continue to be operated and maintained by the City.

How can I get more information?
For more details, please visit https://www.tualatinoregon.gov/engineering/108th-water-reservoir-and-pump-station

For Further questions contact:

Abby McFetridge
Project Manager
City of Tualatin
(503) 691-3020
amcfetridge@tualatin.gov