



CITY of
TUALATIN

Seismic Valving at Six Water Reservoirs

BACKGROUND

The City of Tualatin's population is nearly 28,000. Approximately 45% of households rent in Tualatin, and over 50% of those households are deemed cost burdened or severely cost burdened. Approximately 9% of the population is in poverty, according to the U.S. Census Bureau. The City purchases treated water from the City of Portland and distributes it through 111 miles of water lines and over 7,050 residential, commercial, industrial, and municipal service connections.

CHALLENGES

- In addition to the water purchased from the City of Portland, Tualatin has limited supplementary water from its Aquifer Storage and Recovery Well and several emergency interties with neighboring cities, but none of these sources are adequate to meet the community's needs.
- In the event of an earthquake or other supply disruption, water from the reservoirs can leak into the water distribution system.

SOLUTION

- Retrofit all six of Tualatin's existing reservoirs to include seismic valving. In the event of a disruption, seismic valves capture the stored water and prevent it from leaking into the distribution system ensuring the City has water in the event of an emergency. Each retrofit is estimated to cost \$291,666. The total ask is \$1.75 million.

The City of Tualatin's Water Master Plan (adopted in July 2023) calls for an annual 12% rate increase through 2030. The City also created a Utility Bill Assistance Program in September 2023 to help eligible residential customers facing extreme hardship.



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