Delivering Safe and Reliable Water
On-Schedule in Washington County

The Willamette Water Supply Program is a partnership between the Tualatin Valley Water District and the City of Hillsboro to develop the mid-Willamette River at Wilsonville as an additional reliable and seismically resilient water supply. The project is on-schedule to deliver drinking water to Washington County in 2026.

Program leadership has identified a preferred pipeline route that runs north from Wilsonville to Hillsboro and the Beaverton area. The 30-mile route will continue to be refined as more information is developed through the design process.

In addition to completing the pipeline preliminary design, several other projects will move ahead in 2016:

- Construction of the 124th Avenue Extension in partnership with Washington County
- Construction of the Kinsman Road project with the City of Wilsonville and the Oregon Department of Transportation (ODOT)
- Selecting a site for water storage in the Cooper Mountain area
- Completing the Willamette River Water Treatment Plant Master Plan
- Evaluating alternative pipeline routes near Cornelius Pass Road in Hillsboro
- Evaluating alternatives and designing the pipeline route in the Tualatin-Sherwood area
- Designing the first pipeline section for South Hillsboro area

Visit www.OurReliableWater.org for an updated map and schedule, to sign up for the monthly mailing list or view the project video.

Protect your water from cross-connections

Spring is near and now is the time to check your irrigation system to make sure it’s ready for summer watering. Scheduling the test of your backflow assembly is an important part of this process. If you would like to have your backflow assembly tested automatically each year through TVWD’s Gold Program, visit www.tvwd.org/backflow, email backflow@tvwd.org, or call (971) 327-6285.
Irrigation System Maintenance

Landscape irrigation uses 50 percent or more of the water provided by many utilities. A poorly maintained irrigation system means that much of this water never reaches its intended source and is lost to runoff, evaporation and deep watering below the root zone.

Maintaining irrigation systems is one most effective ways to reduce wasted water, reduce pollution from run-off and over-irrigation, and improve plant health by applying the correct amount of water where it can be utilized by the landscape.

At a minimum, a check of the irrigation system should be performed twice seasonally. Once at the beginning of the season when the system is first turned on and again halfway through the season. Ideally, the system should be checked on a monthly basis.

The basics of irrigation maintenance are:

1. Inspect the controller and make sure it’s plugged in and functioning
2. Update the time and date
3. Check the connection on all of the wires – make sure that rain, wind, or soil moisture sensors are connected
4. Replace the back-up battery
5. Change the schedule and zone run times to reflect the current season and irrigation needs of the landscape
6. Turn on each zone and look for system damage

What to look for

- **Leaking valves or pipes** - Replace or repair damaged valves and pipes
- **Broken or missing heads** - Damage can occur to sprinkler heads from lawn mowers, vandalism, improperly installed heads, and normal wear and tear
- **Clogged nozzles** - Clogged nozzles occur as a result of debris entering the irrigation system
- **Sunken heads** - It is not uncommon for sprinkler heads to settle over time
- **Tilted heads** - Lawn mowers and wet soil can cause newly installed sprinkler heads to tilt resulting in uneven coverage

<table>
<thead>
<tr>
<th>Problem</th>
<th>Flow Rate (gpm)</th>
<th>Run time/event (minutes)</th>
<th>Irrigation events/ week</th>
<th>Events/ Year</th>
<th>Waste/year (gal)</th>
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<td>20</td>
<td>3.5</td>
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</tbody>
</table>

*Water wasted (gallons) is calculated on a 26-week irrigation season, 3.5 events weekly (91 irrigation events) and 20 minutes per event.*
TVWD Hires New Chief Engineer, Other Key Positions

TVWD is pleased to announce appointments to four key staff positions within the organization.

Carrie Pak, P.E., is the District’s new Chief Engineer. Pak’s 25-year career has focused on engineering for public water utilities, including water resources, storm water and wastewater infrastructure. A registered professional Civil Engineer in Oregon, she has managed water-related projects and work teams for public agencies and consulting firms throughout the Portland metro area, including serving as the Engineering Division Manager for Clean Water Services in Washington County for the past ten years. Pak, the first female Chief Engineer in TVWD’s history, will manage the Engineering Department that consists of 25 people. She also will be responsible for overseeing key components of the District’s capital improvement program.

Alex Cousins has been hired as the Communications and Public Affairs Supervisor. Cousins will lead a team of three professionals responsible for TVWD’s public, customer, government and media relations. He has 22 years of consulting experience as a strategic communications, marketing and stakeholder engagement specialist. Most recently he was the Regional Communications Manager for HDR Engineering in Portland. Cousins has designed and managed communications and outreach plans for a variety of infrastructure projects for public agencies throughout the Northwest.

Joe Healy is the new Senior Management Analyst, providing strategic planning and various financial analyses to support data-driven decision making for the District. Healy was previously a Senior Financial Analyst at HDR Engineering. He has over 15 years of experience conducting strategic and financial analysis for water and wastewater utilities throughout the United States, including previous experience at Malcom Pirnie’s Red Oak Consulting Division and Integrated Utilities Group in Portland.

Debbie Werner is the new District Recorder for TVWD. She was formerly the Deputy City Recorder for the City of Hillsboro for over eight years. Werner is responsible for updating and implementing the records management program for TVWD as well as responding to public records requests and coordinating meetings for the Board of Commissioners.

TVWD Receives the GFOA Distinguished Budget Presentation Award

TVWD was recently awarded the Government Finance Officers Association (GFOA) Distinguished Budget Presentation Award. The prestigious national award was given for TVWD’s outstanding presentation of its 2015-2017 biennial budget. The award reflects TVWD’s commitment to meeting the highest standards of governmental budgeting, and the desire to make the budget understandable to its customers, citizens, and other interested parties. It is based on how well the budget document serves as:

- A policy document: TVWD’s budget not only provides a financial analysis, it also gives a detailed overview about the District’s policies.
- A financial plan: The budget provides current and future financial forecasts, and details how TVWD will budget for upcoming projects. Many budget documents only give current budget year information.
- An operations guide: The budget includes general information about TVWD’s operations.
- A communications device: The budget uses many charts, graphs and pictures to make the information more understandable.

This is TVWD’s seventh consecutive budget to receive the prestigious award. For more information about TVWD’s budget, visit www.tvwd.org/budget. For more information about the Government Finance Officers Association, visit www.gfoa.org.
The Tualatin Valley Water District serves more than 217,000 customers in parts of Washington County, Oregon, west of Portland. Our service area covers more than 45 square miles and includes portions of Beaverton, Hillsboro and Tigard.

**Water Quality Is Our Top Priority**

Safe, reliable drinking water is a basic necessity of life. TVWD is proud to deliver water to more than 217,000 people every day. It is important that you know where your water comes from, how safe it is, and how TVWD helps protect water quality from source to tap. You can have confidence in the quality of your drinking water. TVWD consistently delivers water that meets or is better than all federal and state standards.

TVWD’s annual Water Quality Report includes information about more than 200 contaminants the District regularly tests for. The report can be found at [www.tvwd.org/wqreport](http://www.tvwd.org/wqreport) or by calling (503) 848-3000.

**Lead And TVWD’s Water**

Flint, Michigan has been in the news lately due to elevated lead levels in their drinking water. Flint’s situation is different from TVWD’s, where lead is rarely found above detectable levels in our source water. In addition, TVWD is part of a regional joint lead monitoring program conducted every six months in homes known to contain lead solder. These test results consistently meet federal regulations and reflect the District’s commitment to using high quality water sources, appropriate forms of treatment processes and continued maintenance of the water system.

For more information about lead in regional water supplies, visit [www.regionalh2o.org](http://www.regionalh2o.org). For more information about lead and TVWD’s Drinking Water Quality, visit [www.tvwd.org/waterquality](http://www.tvwd.org/waterquality).