

Commissioners

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Providing safe, reliable, affordable, and sustainable service.

May 27, 2025

Customer Name
Mailing Address
City, State Zip

Subject: Upcoming Major Tanglewilde-Thompson Place Water System Construction Projects

Dear Tanglewilde Customer:

On March 5, 2025, Thurston PUD held a Public Meeting to present information and discuss upcoming capital projects with the Tanglewilde-Thompson Place community. The presentation from that meeting can be found on our website at www.thurstonpud.org on the right side under The Latest! Thurston PUD will be completing major capital replacements and improvements at your water system over the next few years. We wanted to provide you an update on the capital projects completed from 2008 to 2024, current projects in 2025, and future capital projects to maintain and/or improve your water system.

The District's Planning and Compliance Department maintains an Asset Management Plan (AMP) for each of the 271 water systems owned and operated by the PUD. An AMP forecasts the capital improvements or replacements that will be needed for your water system, specifically the timing of the replacement/improvement, and the projected cost.

Tanglewilde Water System's AMP – Replacement Needs (2008 – 2024)

Below is a list of the capital projects that have been completed at the Tanglewilde water system since 2008.

| Project Description | Actual Cost |
|---------------------------------|------------------------|
| Emergency Preparedness | \$ 84,513.84 |
| Existing System Replacements | \$ 54,914.48 |
| Existing Treatment Replacements | \$ 20,359.17 |
| Generator | \$ 2,161.30 |
| Installation of Service Lines | \$ 75,792.38 |
| Replace/Rehabilitate Wells | \$ 994,183.53 |
| Reservoir | \$ 1,801,562.26 |
| Sample Stations | \$ 1,649.08 |
| Service/Source Meter Replace | \$ 41,746.78 |
| Valve Maintenance | \$ 1,752.00 |
| Water Rights | \$ 13,124.39 |
| Water System Plan | \$ 82,651.52 |
| Well/Booster Pump Replacement | \$ 93,699.74 |
| Water System Plan Part B | \$ 129,684.53 |
| Distribution Main | \$ 292,814.02 |
| Grand Total | \$ 3,690,609.02 |

In total, Thurston PUD has invested **\$3,690,609.02** into capital improvements and replacements at the Tanglewilde water system since 2008.

All capital projects are partially funded by the monthly capital surcharges billed to all PUD customers, based on meter size. The current surcharge for a residential home $\frac{3}{4}$ inch meter is \$15.00. In 2024, the Finance and Accounting Department determined Capital Surcharges fund approximately 45% of all capital projects. For the remaining 55% of funding needed for capital projects, District staff seeks grants, low-interest loans from state and federal funding programs, or other internal fund sources such as general facility charge collections or transfers from rate revenues when possible.

Over the next 15 years, Thurston PUD plans to invest approximately \$33 million in the Tanglewilde-Thompson Place water system. This includes replacing the water mainlines, installing PFAS treatment, installing onsite chlorine generation, and other minor capital replacements. Thurston PUD obtained a State Public Works \$10 million loan at 1.72% to fund Phase 1 of construction for this multi-year multi-phase project.

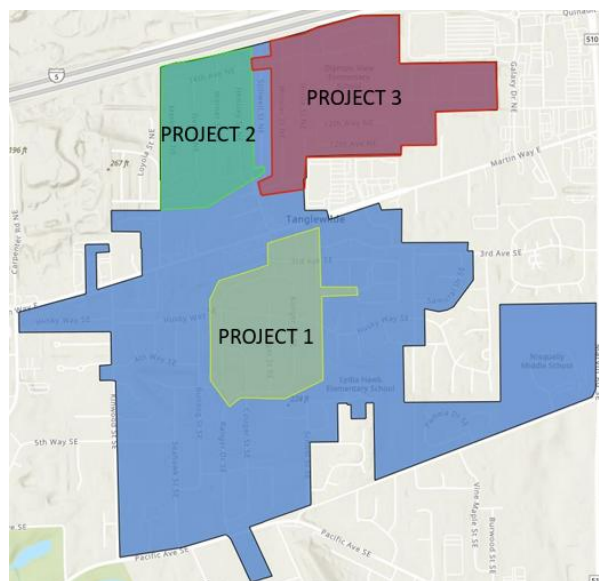
Water Main Replacement

There is approximately 80,000 lineal feet of mainline that is planned to be replaced in the next 15 years depending on funding. Thurston PUD obtained a State Public Works \$10 million loan at 1.72% to fund initial replacement activities. This funding will be used to replace approximately 30,000 lineal feet of mainline over the next five years. In the future, we will seek low interest funds to continue to complete this work.

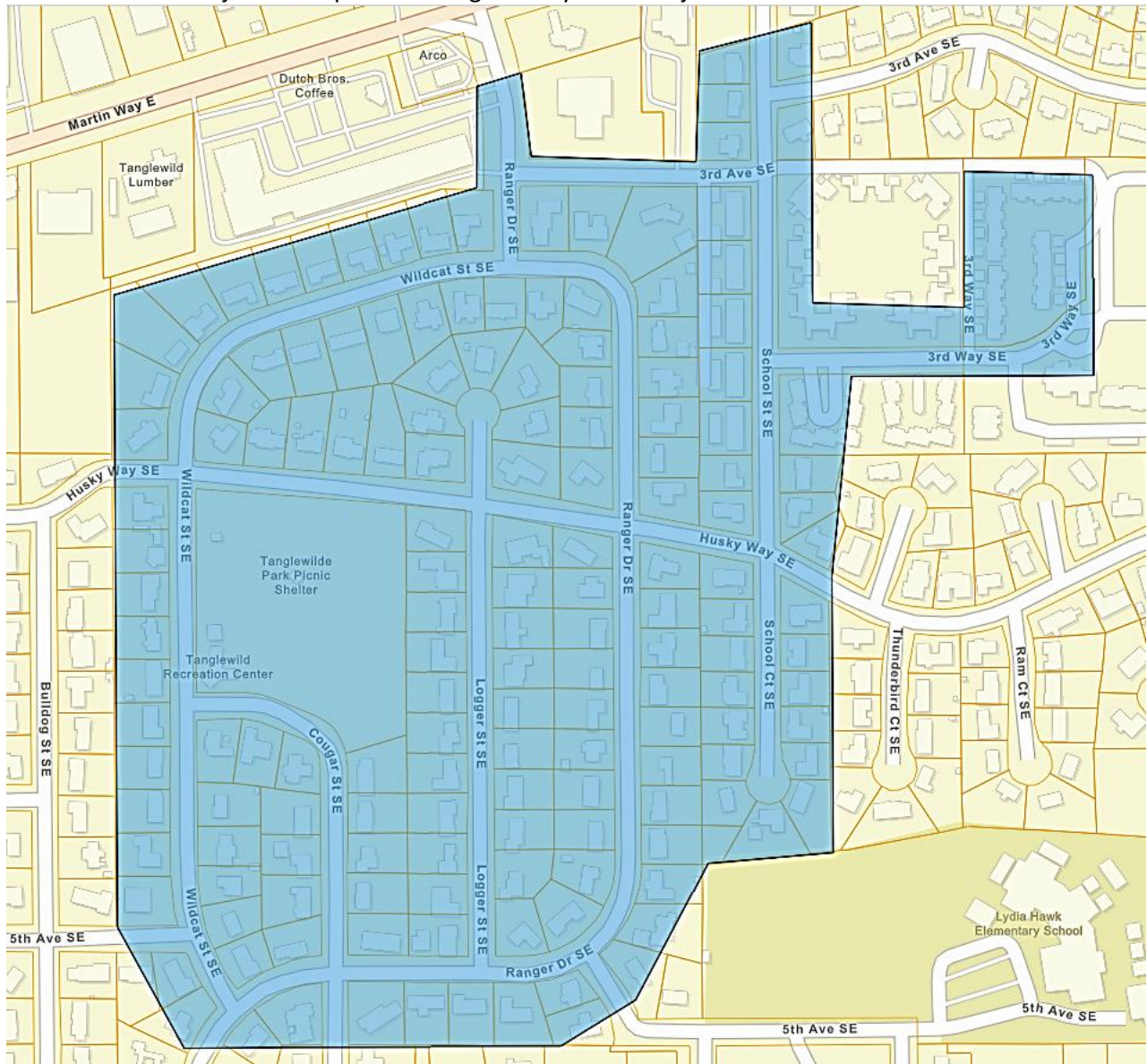
This major project has been split into three construction phases. In Phase 1 of construction the PUD will complete three projects, or targeted replacement areas. Thurston PUD is using the current funding for replacement in areas that will most benefit the public. Our key areas include areas where there are insufficient operable valves, insufficient fire flow or fire hydrants, and areas with the most frequent occurrence of mainline breaks and highest water leakage.

The estimated start and completion dates for these projects are as follows:

- **Project 1:** June 2025 through January 2026
- **Project 2:** Spring 2026 through end of 2026
- **Project 3:** Spring 2027 through end of 2027



Construction for Project 1 is expected to begin in July 2025. Project 1 includes the blue area below:



Listed below are answers to anticipated questions you may have regarding Project 1:

Why is the water main being replaced? The Tanglewilde-Thompson Place water system was primarily constructed in the 1950's and 1960's. Most of the existing water mains are aging and in need of replacement over the next 15 years.

How is it being paid for? Thurston PUD obtained a State Public Works \$10 million loan at 1.72% to fund Phase 1 of construction.

What is being replaced? The funding obtained will be used to replace approximately 30,000 lineal feet of water mains over the next five years. The new mains will be heavy duty water pipe, 6-inch to 10-inch nominal. New water meters and valves will also be installed.

Thurston PUD intends to require the contractor to provide a cost/option to replace your own private water line (from the water meter to your home) at your cost if you choose to do so.

Who is doing the work? Thurston PUD contracted with Northwest Water Systems, Inc. for the design and engineering services for Project 1. Thurston PUD will go out to bid in May 2025 to hire a contractor for the construction work. A follow up letter will be sent once a contractor is awarded the project and we have the contractor's timeline.

When will the work begin and end? Project 1 is estimated to start construction in July 2025 and estimated to complete construction in January 2026.

Will there be any disruptions? There may be some disruptions, but Thurston PUD will try to keep them to a minimum.

- Water service will be maintained throughout the project, with periodic, limited, service interruptions.
- There will be partial or full street closures of up to 1 block, however local access will be maintained except for up to 8 hours when excavation is directly in front of private accesses, which will be minimized as much as practical.
- Whenever possible, Thurston PUD will provide a 72-hour advance notice on service interruption and will have an 8-hour interruption limit.
- Call-Em-All voice and text messaging services will be used for outages. [Please ensure your contact information is current with Customer Service by calling them at 360-357-8783 or emailing them at \[PUDCustomerService@thurstonpud.org\]\(mailto:PUDCustomerService@thurstonpud.org\).](#)

Thurston PUD will not start replacement of the mainlines on Wildcat ST SE fronting the Tanglewilde Recreation center until after September 8, 2025, to minimize pool access impact.

Who do I call if I have questions or concerns? Our website at www.thurstonpud.org will have a project update page you will be able to access for up-to-date information. You can contact our Customer Service Department at 360-357-8783 or PUDCustomerService@thurstonpud.org if you have further questions.

PFAS Treatment

Thurston PUD found Per- and polyfluoroalkyl substances (PFAS) in the Tanglewilde sources of drinking water. Previous communication regarding this was mailed in June 2024. PFAS are a large family of human-made chemicals used to make stain resistant, water resistant, and nonstick consumer products. A major source of PFAS in our area is from firefighting foam used by the military, local fire departments, and airports. PFAS in drinking water is a nationwide problem.

Tanglewilde PFAS is below the state action level (SAL) but does slightly exceed the federal EPA maximum contaminant level (MCL) that goes into effect in 2028. Thurston PUD was an early implementor of PFAS testing and identified the somewhat elevated levels of PFAS at the Tanglewilde-Thompson Place water system before testing was done by most other municipalities. Largely because of this proactive approach to identifying the presence of PFAS, Thurston PUD has secured a grant of \$3.5 million to install treatment for the Tanglewilde water system.

In August 2024, Thurston PUD retained the services of the engineering firm Stantec for design of a PFAS treatment system for Tanglewilde-Thompson Place. A pilot (test program) was recently completed. The

engineering firm, Stantec, has recommended Granular Activated Carbon (GAC) be used as the treatment media. Based on results of testing and piloting, Stantec is developing a full-scale water treatment design. Construction is expected to start in late 2025 and be completed in Autumn 2026.



*PFAS Treatment Building Addition Preliminary Site Plan
(Located at Tanglewilde Recreation Center site, proposed 1,650 sf building)*

For more information on the effects of PFAS and individual home filter options, visit the Washington State Department of Health website: www.doh.wa.gov/community-andenvironment/contaminants/pfas.

We are looking forward to completing these projects which should significantly reduce leaks in the water system and help reduce costs in the future. Please contact Customer Service at 360-357-8783 or PUDCustomerService@thurstonpud.org for questions or concerns.

Regards,



John Weidenfeller
General Manager
Thurston PUD