

Our Future Water Supply

The Willamette Water Supply System Commission (WWSS Commission) is an Oregon intergovernmental entity formed by Tualatin Valley Water District (TVWD), the City of Hillsboro, and the City of Beaverton. The WWSS Commission was formed to own, operate, manage and maintain the WWSS. TVWD has been designated the Managing Agency for the WWSS Commission, and TVWD operates the Willamette Water Supply Program (WWSP) to plan, design, and construct the WWSS. The WWSS will provide an additional resilient water supply for Washington County. When complete, the WWSS will be one of Oregon’s most seismically-resilient water systems—built to better withstand natural disasters, protect public health, and speed regional economic recovery through restoring critical services more quickly. The new system will be completed by 2026.

Willamette Water Supply *Monthly Progress Report*

Our Reliable Water

Month End **November 2024**

Construction is Nearly Complete for the Water Storage Tank and Scholls Ferry Road Area Pipeline!

Final construction activities are underway on the South Beaverton Area Water Storage Tank (RES_1.0) and Phase 3 of the Scholls Ferry Road Area Pipeline Project (PLM_5.3). The construction team is coordinating the final work on both projects. Construction on the projects is anticipated to be complete in early 2025.

Water Storage Tank

Recent work has included:

- Tank cleaning, filling, and leak testing
- Installation of exterior stairs
- Completion of fencing, entrance gates, and guard rails
- Paving on SW Grabhorn Road
- Finishing electrical work
- Irrigation system installation and landscaping
- Start-up activities for water quality building equipment

Upcoming work will include:

- Continuing electrical work at the water quality building
- Continued commissioning and start-up activities



Site grading on the south and southeast side of the reservoir



Reservoir roof lightning protection ground wires installed on the exterior walls

Scholls Ferry Road Area Pipeline

Recent work has included:

- Connection to the South Hillsboro Area Pipeline (PLW_1.3)
- Removal of temporary access roads
- Restoration work along the pipeline alignment

Upcoming work will include:

- Placing and continuing work on pipeline equipment
- Installing driveway aprons (the part of a driveway closest to the road) along SW Grabhorn Road
- Finishing restoration work along the pipeline alignment
- Finalizing grading of the access road along the pipeline

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the WWSS Water Treatment Plant (WTP_1.0). Additional information on the project is available at <https://www.ourreliablewater.org/water-treatment-plant/>.



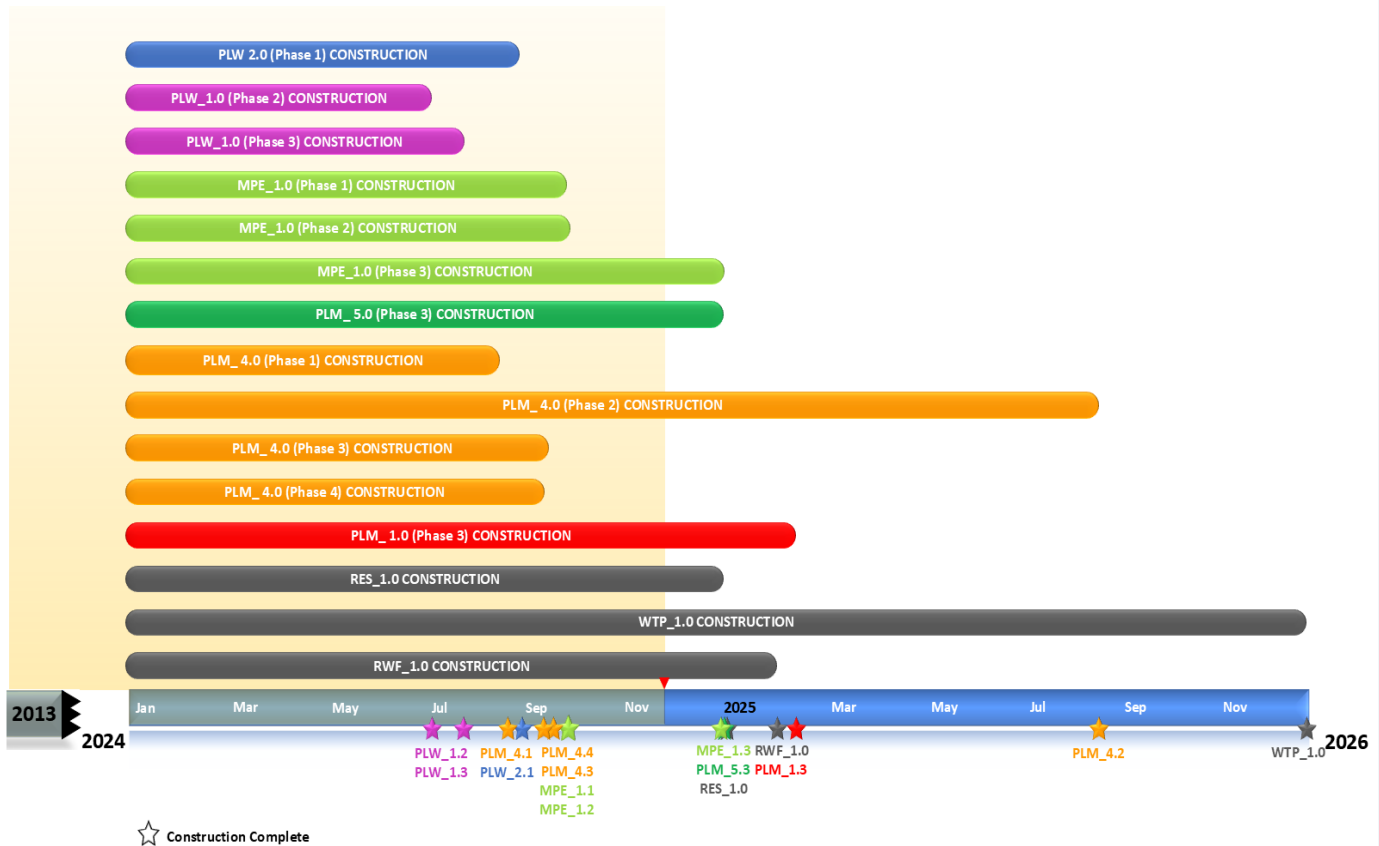
48-inch pipeline that conveys water from the ballasted flocculation process to the ozone contactors



Dewatering area, which includes (from left to right) a thickener, formwork for a storage tank, and the dewatering building with structural steel and mechanical devices on the second floor

Schedule Summary

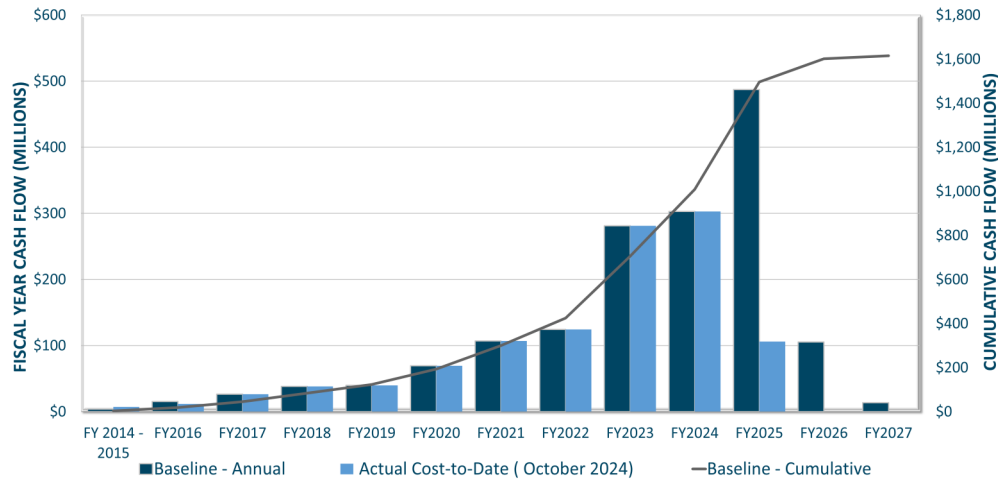
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2024 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



*The actual duration of projects continues to be refined and is subject to change.

Forecast Cost Summary

The graph below illustrates the projected WWSP cash flow by fiscal year (FY July 1 to June 30)*. The cumulative cash flow establishes the budgeted \$1.6 billion, which accounts for actual and current projected costs, including projected escalation in the cost of labor, materials, and equipment required to build WWSP projects.



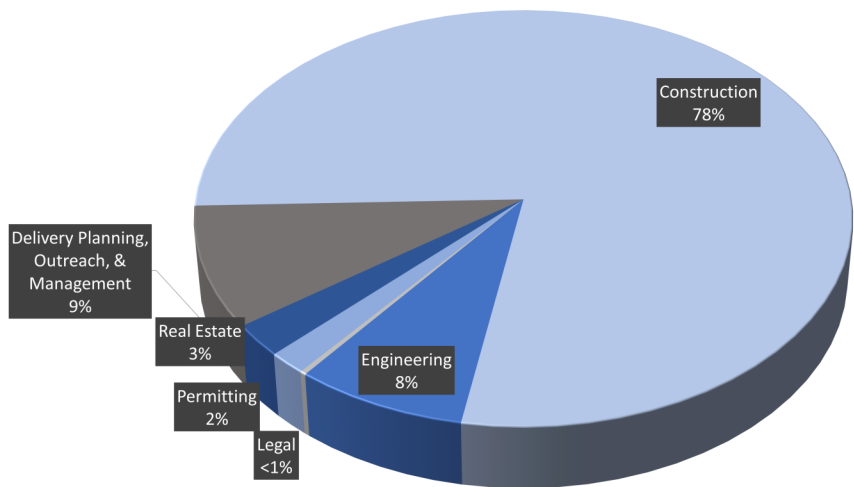
Costs to date for FY 2025 are \$106.2 million. Cumulative costs are projected to be \$1.4 billion through the end of FY 2025.

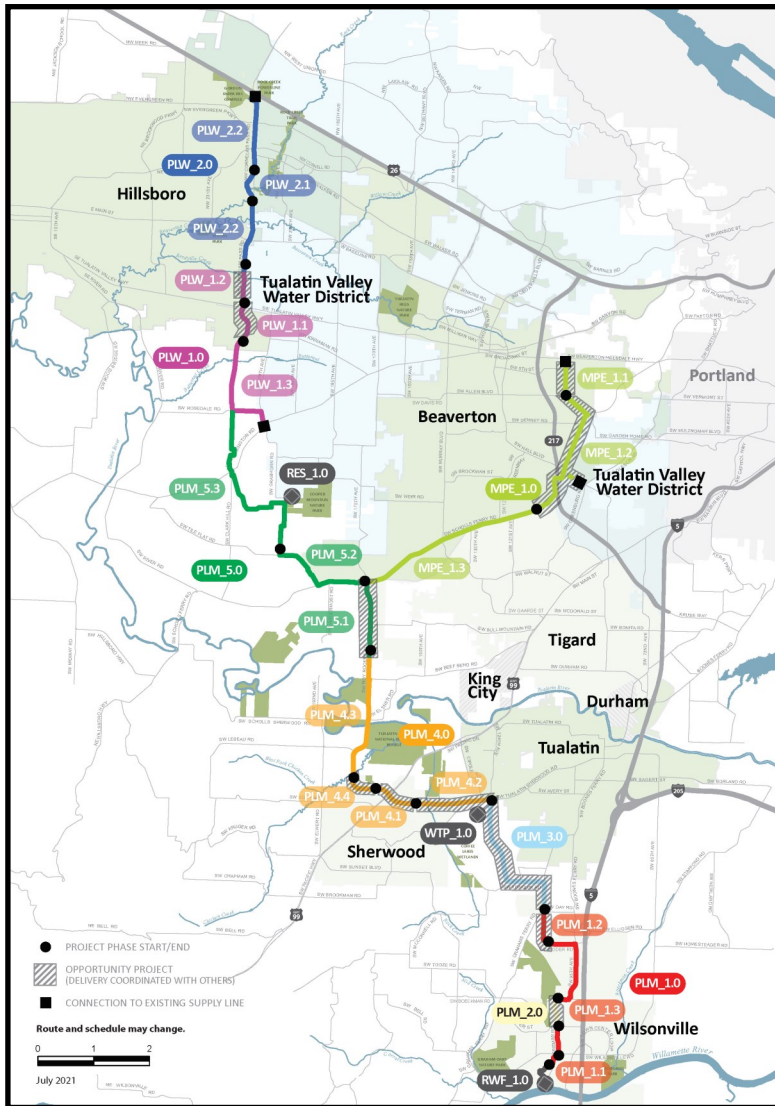
*Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through October 2024.

Cumulative Water Supply Program costs to date are approximately \$1.12 billion, with the majority spent on planning, engineering, and construction.





PLW_2.0 Cornelius Pass Road Pipeline Project
(SE Frances St. to Highway 26)

Description: 3.3-mile water pipeline along NE Cornelius Pass Rd. from SE Frances St. to Hwy 26 with Phase 1 consisting of 0.7 miles of pipeline beginning at Orenco Woods Nature Park; connects to existing supply lines for City of Hillsboro and TVWD.

Status: Phase 1: Complete; Phase 2: Deferred

PLW_1.0 South Hillsboro Area Pipeline Project
(SW Farmington Road to Frances Street)

Description: 4-mile water pipeline from SW Farmington Rd. at SW 209th Ave. to NE Cornelius Pass Rd. at SE Frances St.

Status: Phase 1: Complete; Phase 2: Complete; Phase 3: Complete

MPE_1.0 Metzger Pipeline East Project
(SW Roy Rogers Road to Beaverton Hillsdale Hwy)

Description: 7.3-mile water pipeline to be built along SW Scholls Ferry Rd. between SW Roy Rogers Rd. and SW Allen Blvd.; connects to Metzger service area at SW Oleson Rd. and TVWD's system.

Status: Phase 1: Complete; Phase 2: Construction Complete; Phase 3: Construction

RES_1.0 South Beaverton Area Water Storage Tanks (Storage Tanks)

Description: One 15-million gallon storage tank located on Cooper Mountain.

Status: Construction

PLM_5.0 Scholls Ferry Road Area Pipeline Project
(North of SW Beef Bend Road to SW Rosedale Road)

Description: 7-mile water pipeline from SW Roy Rogers Rd. 0.5-mile north of SW Beef Bend Rd. to SW Rosedale Rd.

Status: Phase 1: Complete; Phase 2: Complete; Phase 3: Construction

PLM_4.0 Tualatin-Sherwood Area Pipeline Project
(SW 124th Avenue to north of SW Beef Bend Road)

Description: 5.3-mile water pipeline from SW 124th Ave. at SW Tualatin-Sherwood Rd. along SW Roy Rogers Rd. to 0.5 miles north of SW Beef Bend Rd.

Status: Phase 1: Complete; Phase 2: Construction; Phase 3: Construction Complete; Phase 4: Complete

PLM_3.0 124th Avenue Partnership Project
(SW 124th Avenue Extension)

Description: 2.7-mile water pipeline from SW Grahams Ferry Rd. at SW Day Rd. to SW 124th Ave. at SW Tualatin-Sherwood Rd.

Status: Complete

PLM_2.0 Kinsman Road Partnership Project
(Kinsman Road Extension)

Description: 0.6-mile water pipeline along SW Kinsman Rd. between SW Barber St. and Boeckman Rd.

Status: Complete

PLM_1.0 Wilsonville Area Pipeline Project
(Arrowhead Creek Park to SW Day Road)

Description: 3.3-mile water pipeline from Arrowhead Creek Park to intersection of SW Garden Acres Rd. at SW Day Rd.

Status: Phase 1: Complete; Phase 2: Complete; Phase 3: Construction

WTP_1.0 Willamette Water Supply System Water Treatment Plant
(Water Treatment Plant (WTP))

Description: 60-million gallons per day water treatment plant (WTP_1.0), including a finished water pump station (FPS_1.0) and a control system (DCS_1.0) located in Sherwood.

Status: Construction (WTP, FPS, DCS)

RWF_1.0 Raw Water Facilities Expansion
(Raw Water Facilities (RWF) Expansion)

Description: Expansion of the existing raw water pump station and intake at Arrowhead Creek Park in Wilsonville to 60 million gallons per day of initial capacity for the Willamette Water Supply System.

Status: Phase 1: Complete; Phase 1.5: Complete; Phase 2: Construction

The mid-Willamette River at Wilsonville is the supply source for the WWSS. The system consists of modifying the existing river intake and expanding pumping capacity, building more than 30 miles of drinking water pipeline, reservoir storage facilities on Cooper Mountain, and a new WTP in Sherwood.

For more information about the WWSP, visit www.ourreliablewater.org or call 503.941.4570.