

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

Our Reliable Water

Monthly Progress Report

Month End April 2024

Early Pipeline Use Provides Multiple Benefits

Prior to start-up of the entire Willamette Water Supply System (WWSS) in 2026, Tualatin Valley Water District (TVWD) and the City of Hillsboro are flowing water through a section of pipeline to meet operational needs for water service in the interim.

The pipeline section extends from the connection to the Joint Water Commission (JWC) transmission line at the TV Highway and Cornelius Pass Road intersection to the TVWD Fluoride Facility at the SW 209th Avenue and SW Farmington Road intersection.

Interim use of the pipeline has several advantages, including keeping the pipeline fresh with potable water, engaging the operations staff in regular maintenance and operations of the new assets, and reducing the overall miles of pipeline that need to be commissioned in late 2025.

When TVWD and Hillsboro elected to use the section of pipeline, they, together with Willamette Water Supply Program (WWSP), began preparing it for use.

After collaborating with Clean Water Services, the local water resources management utility, the WWSP team flushed old water out of the pipeline and disinfected it with highly chlorinated water, per American Water Works Association standards. Once the pipeline was disinfected, the highly chlorinated water was disposed of into the sanitary sewer and the pipeline was filled with fresh potable water.

The water quality samples taken from the pipeline passed drinking water standards, which confirm the pipeline was properly disinfected and could be placed into service.

After receiving passing water quality samples, the pipeline was turned over to TVWD to perform final commissioning. Their operators are currently operating valves and performing minor flushing at connection points to their water distribution system. Water provided by the JWC, the primary supplier of drinking water in Washington County, will flow to customers from this pipeline in the upcoming weeks.



Temporary piping setup during chlorination and flushing of the 48-inch and 66-inch water pipelines

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the Metzger Pipeline East (MPE_1.3). Additional information on the project is available at <https://www.ourreliablewater.org/mpe/>.



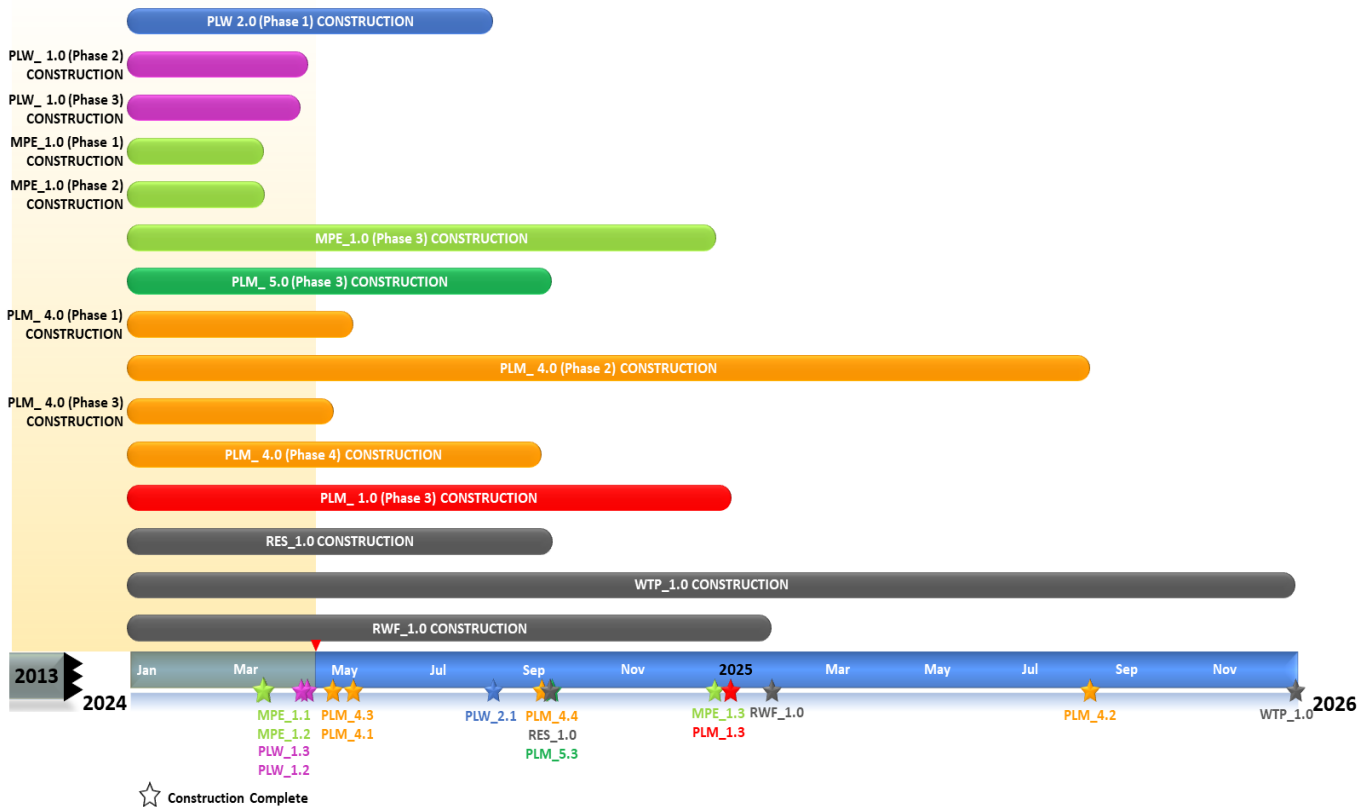
Paving 48-inch pipe trench on Scholls Ferry Rd



Magnetic particle inspection weld testing of 48-inch pipeline

Schedule Summary

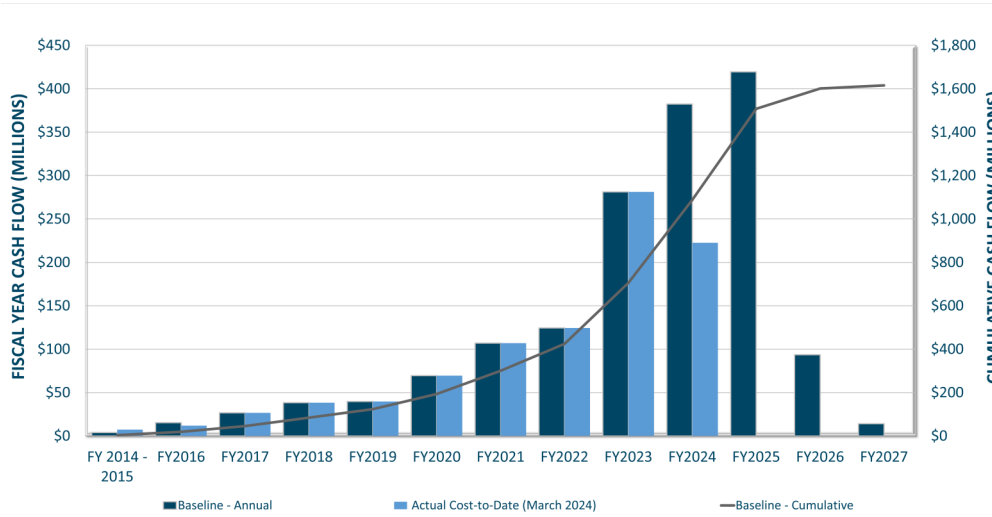
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2024 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



*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.



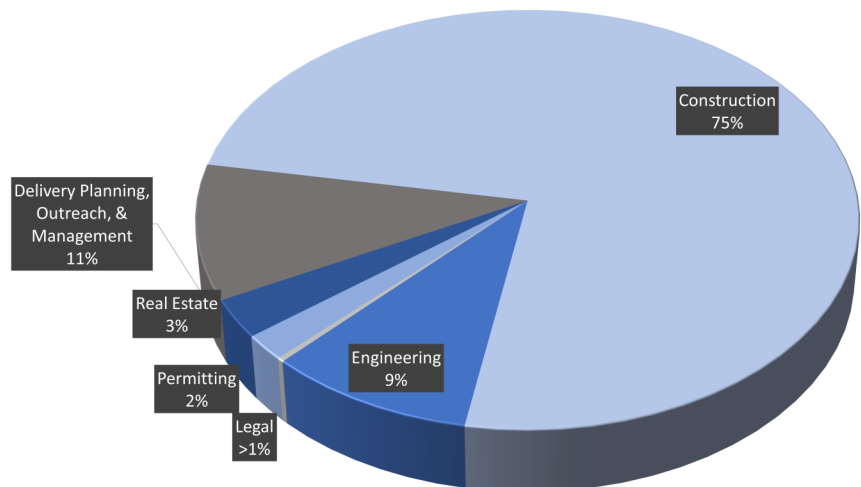
Costs to date for FY 2024 are \$223 million. Cumulative costs are projected to be \$1.1 billion through the end of FY 2024.

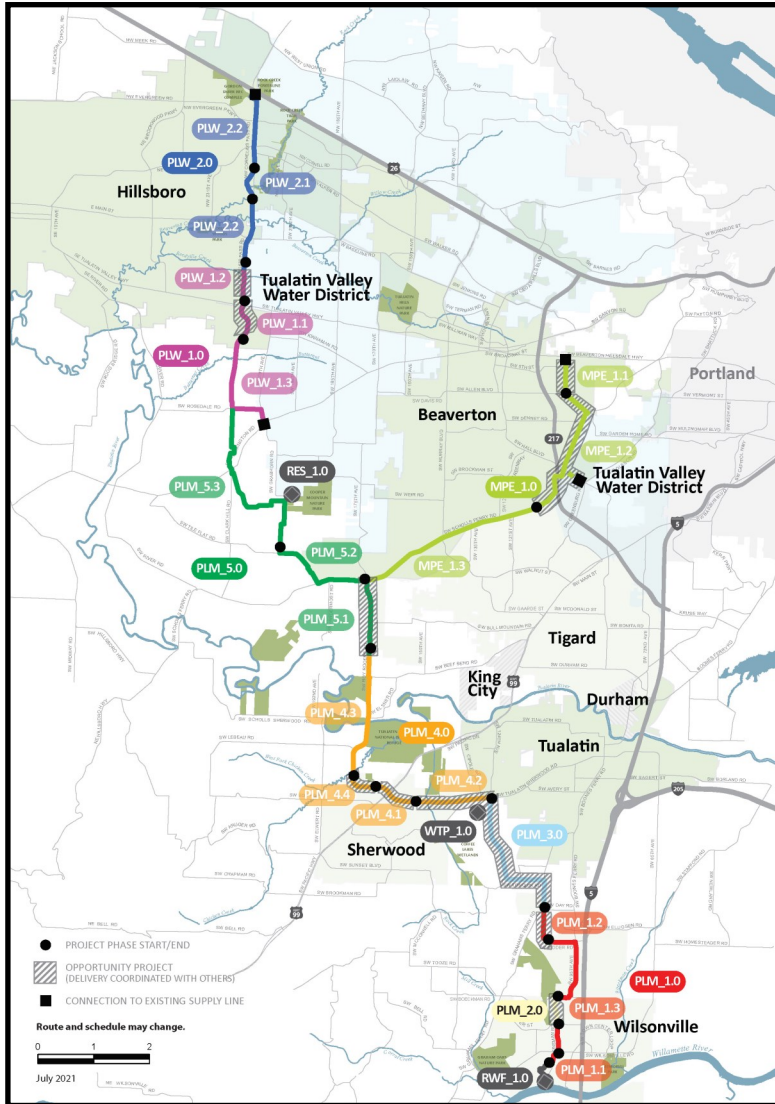
*Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

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

Cumulative Water Supply Program costs to date are approximately \$928.5 million, with the majority spent on planning, engineering, and construction.





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

Description: 3.3-mile water pipeline along NE Cornelius Pass Rd. from 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: Construction; 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 Frances St.

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

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 Allen Blvd.; connects to Metzger service area at SW Oleson Rd. and TVWD's system.

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

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

Description: 2.7-mile water pipeline from Grahams Ferry Rd. at Day Rd. to 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 Kinsman Rd. between Barber St. and Boeckman Rd.

Status: Complete

PLM_1.0 Wilsonville Area Pipeline Project
(WRWTP to Day Road)

Description: 3.3-mile water pipeline from WRWTP to intersection of SW Garden Acres Rd. at 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 the Willamette River WTP (WRWTP) 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.