

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 2023**

Construction Update: South Hillsboro Area Pipeline Project (PLW_1.0) Nearly Complete!

The Willamette Water Supply Program (WWSP) has been coordinating with the City of Hillsboro, Washington County, and private developers to install four miles of new water pipeline through South Hillsboro. All segments are either fully complete or will be complete in the next few months as the crews work diligently to finish the few remaining tasks through the end of the year.

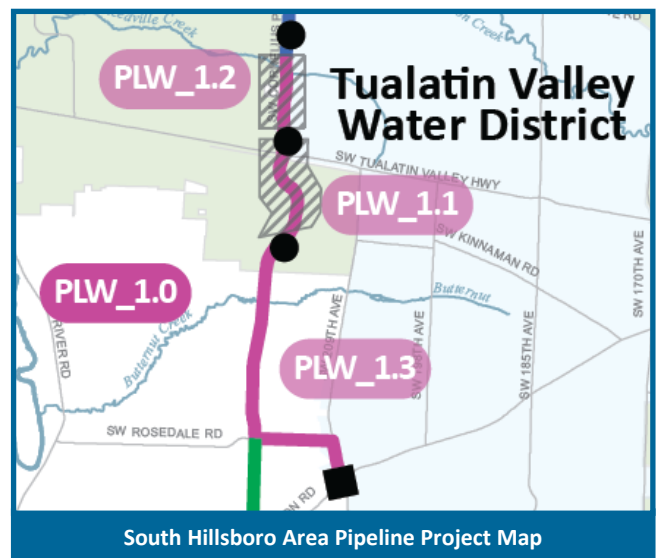
This project was divided into three phases: Phase 1 – SE Kinnaman to TV Highway, Phase 2 – TV Highway to SW Frances, and Phase 3 – SE Kinnaman to Farmington (via Rosedale Road).

Completed in 2019, Phase 1 was constructed in coordination with South Hillsboro transportation improvements, including an improved Cornelius Pass/TV Highway intersection and the extension of Cornelius Pass Road to Kinnaman Road.

Phase 2 was constructed in partnership with Washington County’s widening of Cornelius Pass Road, between TV Highway and SW Frances Street. The WWSP constructed a 48-inch drinking water pipeline in the public right-of-way, and recently completed installation of conduits for power and communications at Frances Street turnout and conducted a preliminary punch list walk, which signals the project is nearing completion. A connection to the Hillsboro water system is located in Reedville Creek Park. Phase 2 is anticipated to be complete in December 2023.



Compaction around Frances Street Turnout Vaults



Phase 3 included installation of pipeline from SE Kinnaman Road to SW Rosedale Road in the Cornelius Pass Road extension right-of-way. The pipeline continues east along SW Rosedale Road and south along SW 209th Avenue to the intersection of SW Farmington Road and SW 209th Avenue where it connects to the Tualatin Valley Water District’s water distribution system. Upcoming work for Phase 3 includes Rosedale Road repairs prior to final completion, which is planned for winter 2023.

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the Tualatin-Sherwood Area Pipeline Project (PLM_4.0). Additional information on the project is available at <https://www.ourreliablewater.org/tualatin-sherwood-area-pipeline-project/>.



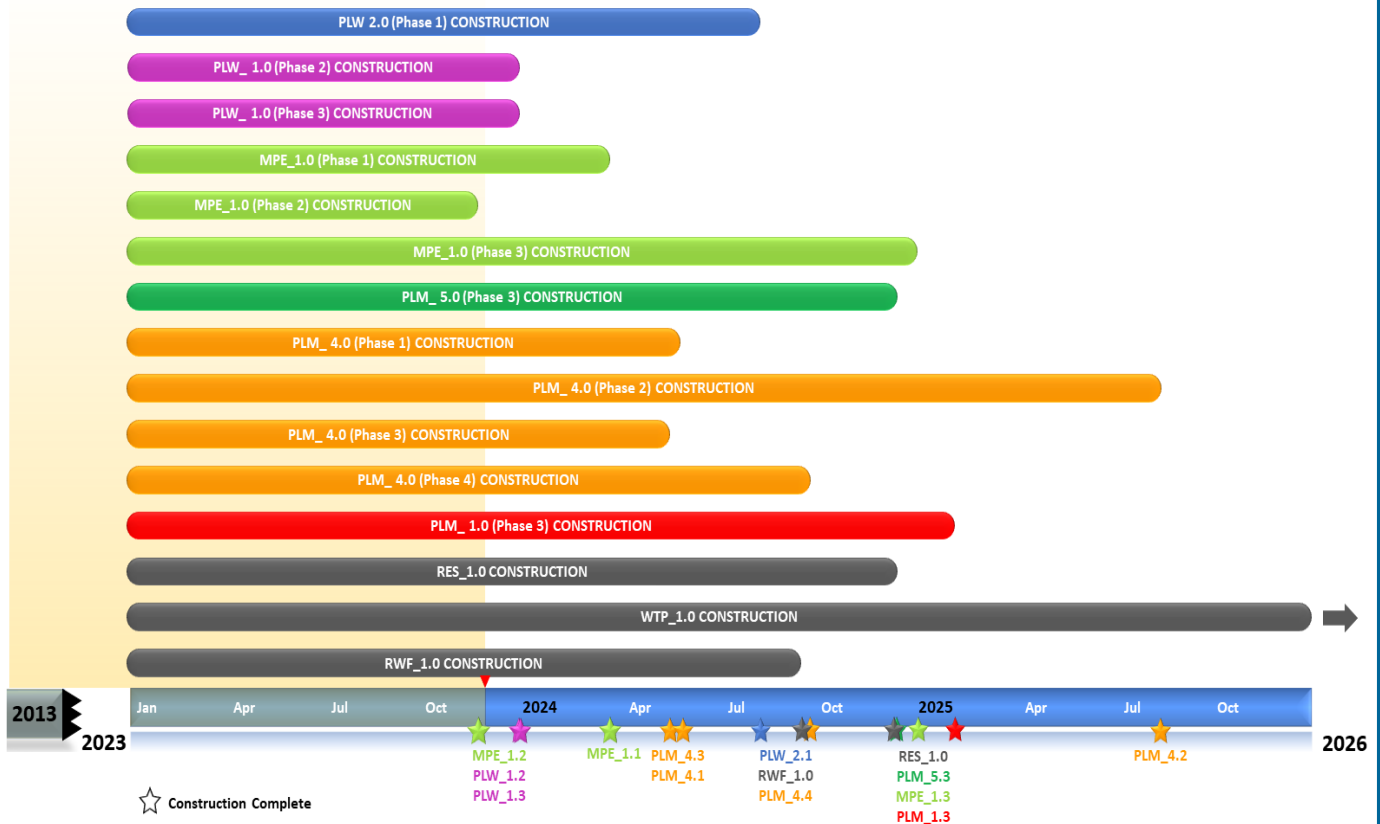
Aerial view of the trenchless pipe installation operation at 124th Avenue and Tualatin Sherwood Road.



Construction crew preparing the bore pit at 124th Avenue and Tualatin Sherwood Road.

Schedule Summary

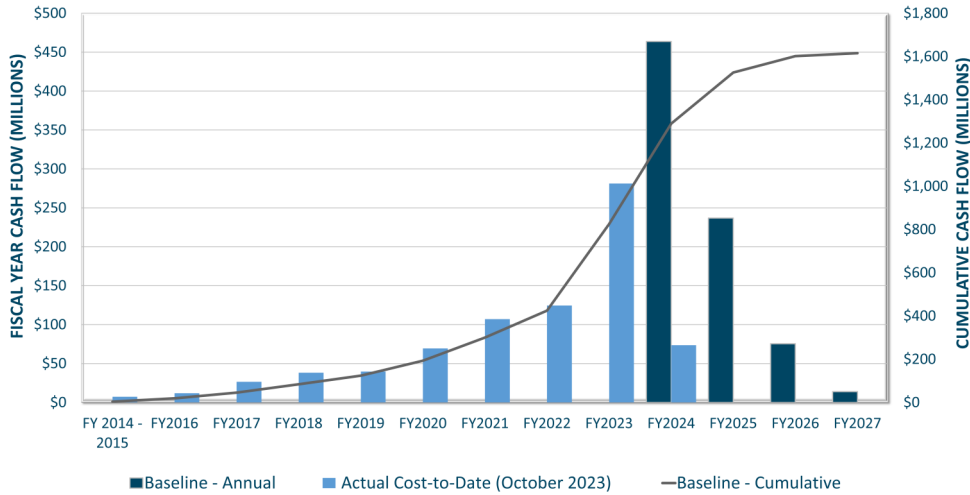
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2023 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



*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.



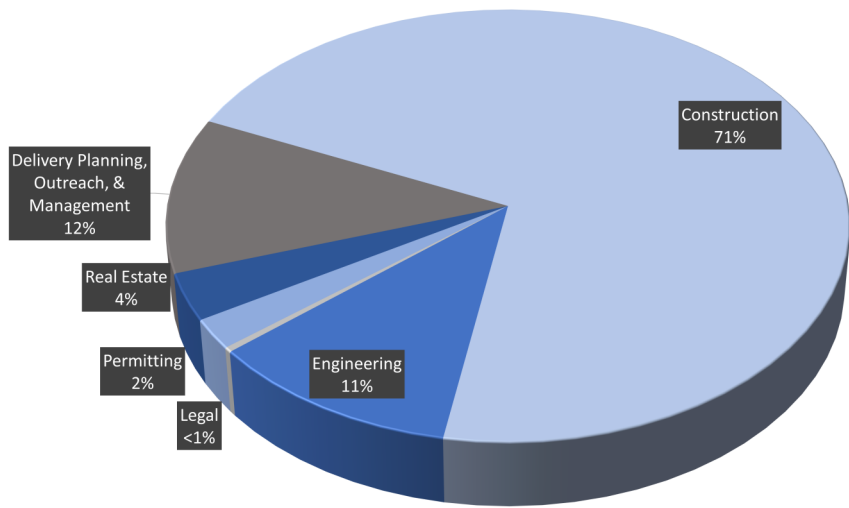
Costs to date for FY 2024 are \$73.6 million. Cumulative costs are projected to be \$1.12 billion through the end of FY 2024.

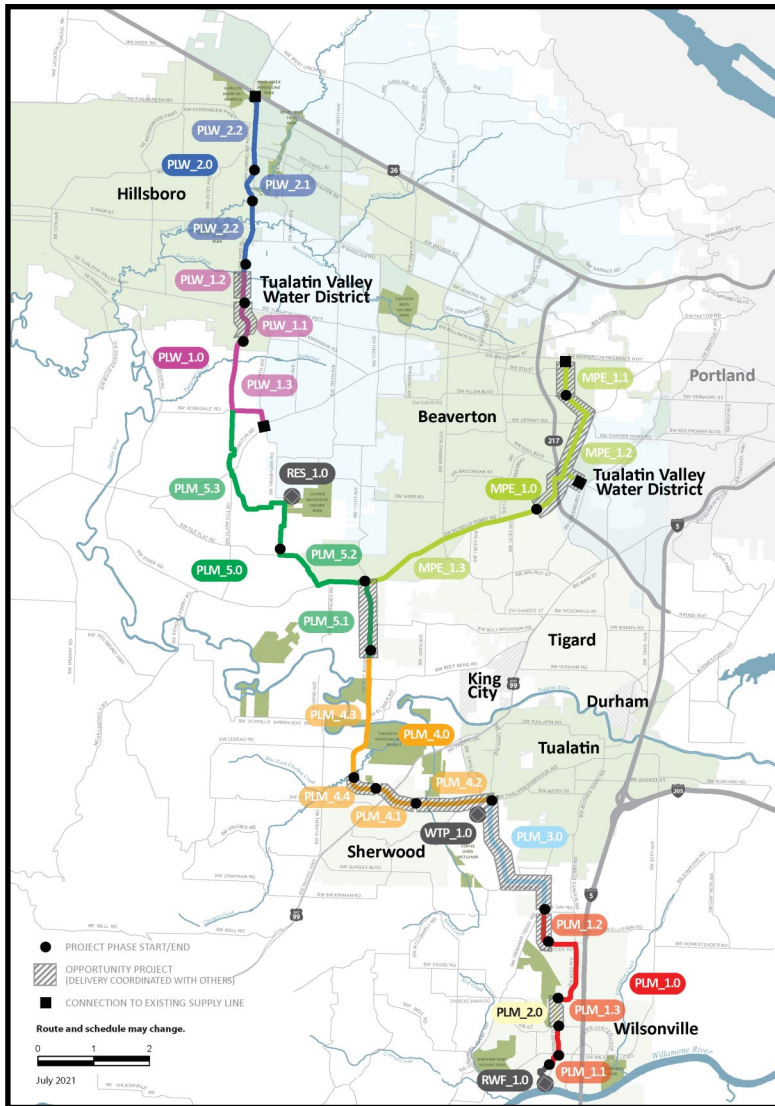
*Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through October 2023.

Cumulative Water Supply Program costs to date are approximately \$779.5 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 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
(Farmington Road to Frances Street)

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

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

MPE_1.0 Metzger Pipeline East Project
(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 Beef Bend Road to 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 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.