

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

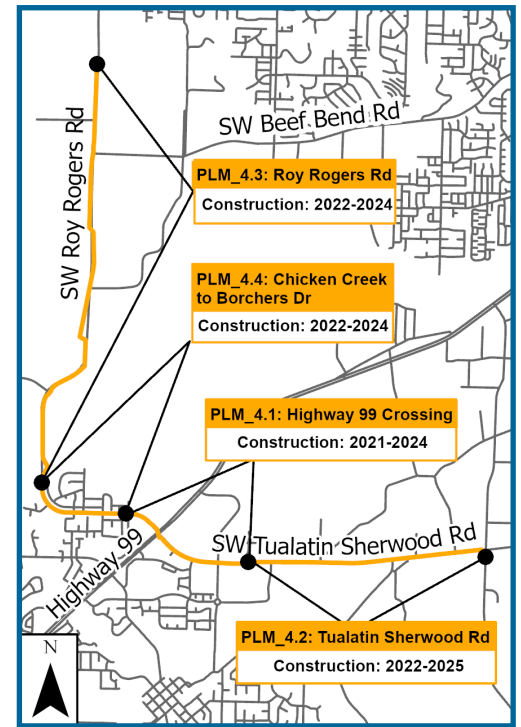
Our Reliable Water

Monthly Progress Report

Month End June 2023

Tualatin-Sherwood Area Pipeline Project Reaches Significant Milestone

The Tualatin-Sherwood Area Pipeline Project is a 5.3-mile-long section of the 30-mile-long Willamette Water Supply System. The project is split into four phases, three of which are opportunity projects where the Willamette Water Supply Program (WWSP) is coordinating construction with Washington County. Partnering with Washington County to install portions of the new water pipeline during the widening of Tualatin-Sherwood and Roy Rogers roads lessens impacts on the public by reducing the number of construction projects and enables cost savings for both organizations. Construction on the Tualatin-Sherwood Area Pipeline Project began in September 2021 and is planned to be complete by August 2025.



August 2022: Delivery of 66-inch carrier pipe for the 99W trenchless crossing along Tualatin-Sherwood Road.



January 2023: Installation of 66-inch pipe along Tualatin-Sherwood Road near Langer Farms Parkway.

PLM_4.1 Progress Update: Highway 99W Crossing

The first phase of the Tualatin-Sherwood Area Pipeline Project (PLM_4.1) includes pipeline installation during Washington County’s widening both east and west of the Highway 99W and Tualatin-Sherwood Road intersection. County road improvements include widening to five travel lanes and adding or improving bike lanes, sidewalks, storm drains, and street lighting.

The construction contractor for PLM_4.1 recently reached a significant milestone related to the WWSS’s portion of the work, with completion of 4,200 feet of 66-inch-diameter pipeline. This work included a trenchless crossing beneath Highway 99W. Other major intersections were crossed at night to reduce impacts to local businesses. Remaining tasks for the WWSS scope include installation of waterline-related piping followed by pressure testing and disinfection of the pipeline. In addition, partnership work with Washington County continues with road widening along the south side of Tualatin-Sherwood Road.

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight a phase of the Tualatin-Sherwood Area Pipeline Project (PLM_4.3). Additional information on the project is available at <https://www.ourreliablewater.org/tualatin-sherwood-area-pipeline-project/>.



North shaft sheet pile install at Chicken Creek



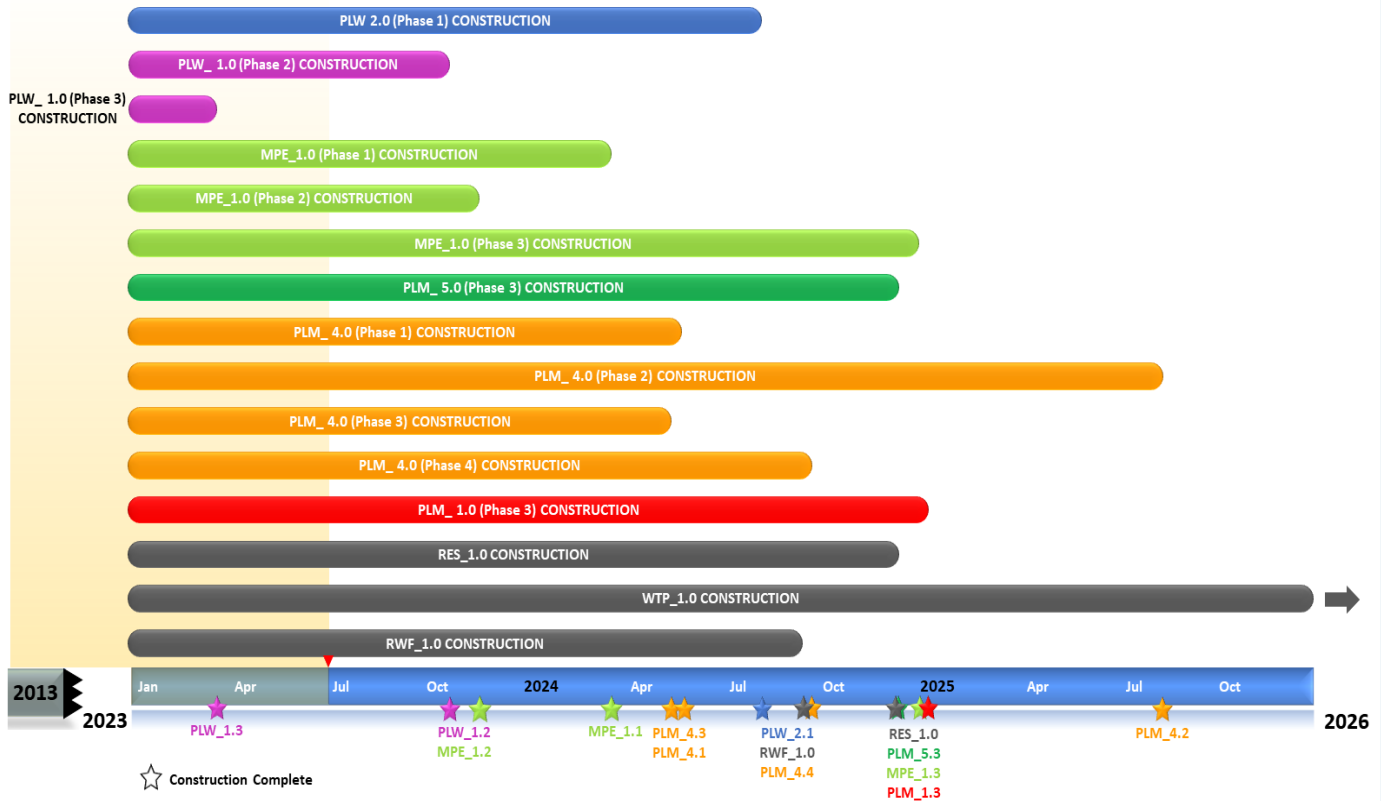
Receiving shaft at Tualatin River crossing



Overhead view of receiving shaft at Tualatin River crossing

Schedule Summary

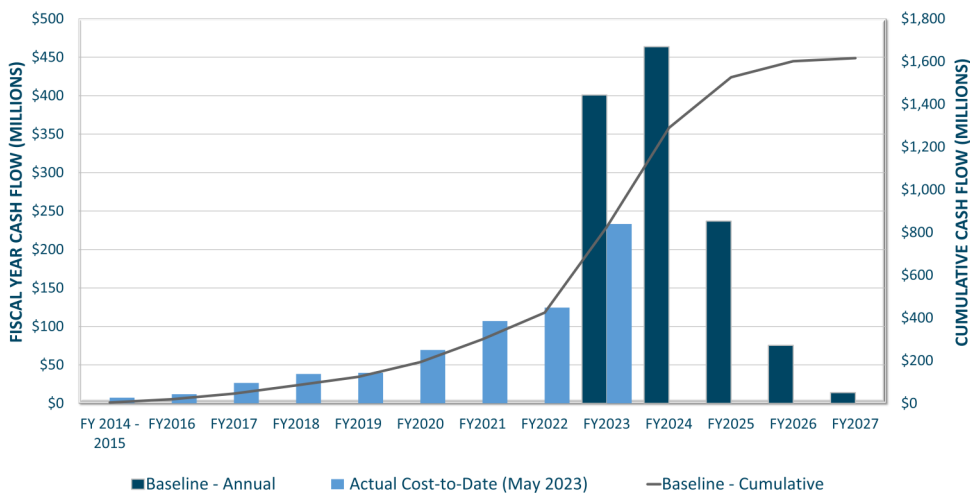
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2023 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



*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.



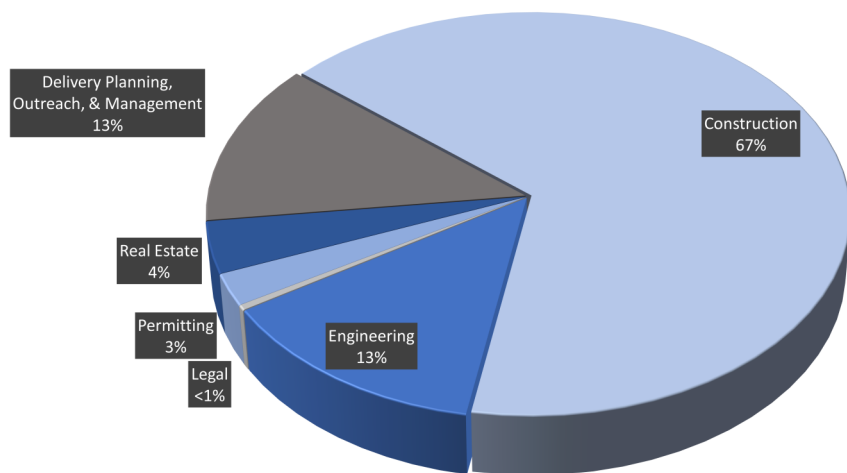
Costs to date for FY 2023 are \$233 million. Cumulative costs are projected to be \$704 million through the end of FY 2023.

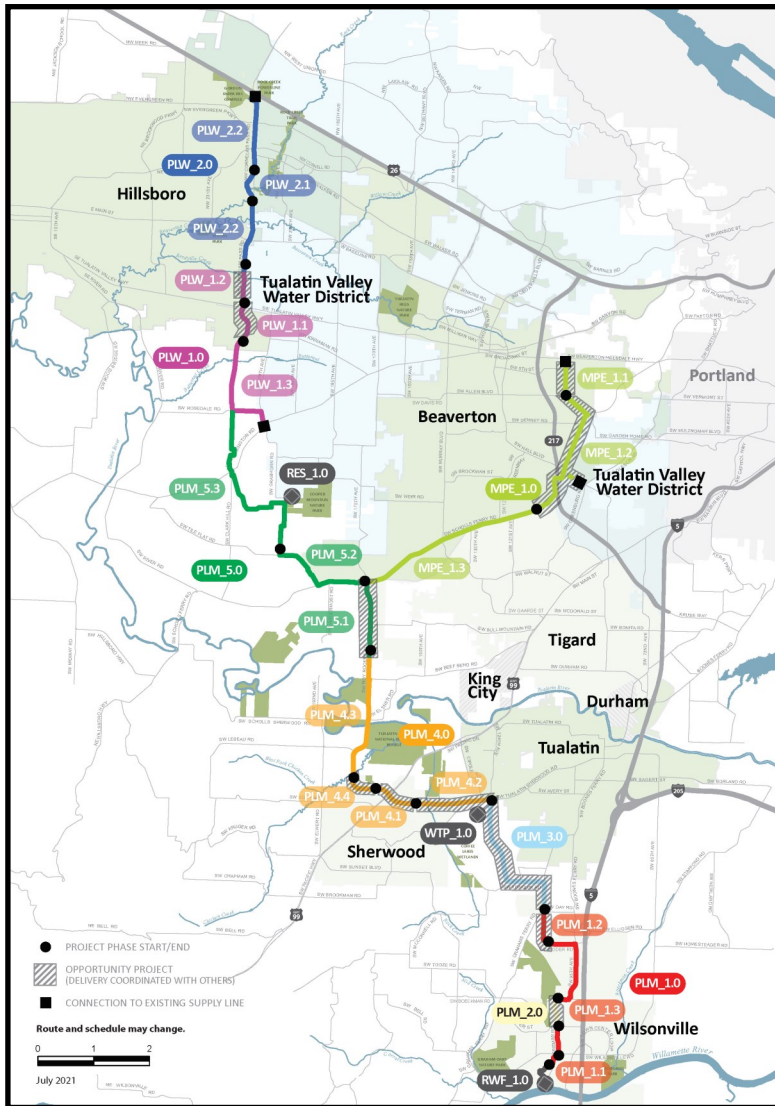
*Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

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

Cumulative Water Supply Program costs to date are approximately \$658 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 gallon 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.