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 August 2023

Operations Planning Sets WWSS Up for Success

The Willamette Water Supply Program (WWSP) has considered long-term operations of the Willamette Water Supply System (WWSS) since the beginning of the design phase. Doing so helped guide the design and now construction of the WWSS toward creating facilities, pipelines, and related appurtenances that can be operated reliably, efficiently, and safely.

For years now, the WWSP team has been developing an Operations Plan (Plan) that will serve a the guiding document for WWSS operations. There are five working groups composed of staff from the partnering agencies and the WWSP currently preparing the Plan in advance of system commissioning.

When the WWSS is commissioned and brought online, the Plan will cover all aspects of operating the new water system, including:

- Administration and decision making
- Staffing and equipment
- Safety and security
- Water quality management
- Systems operations
- Asset maintenance and management
- Permitting obligations and regulatory compliance
- Easement management
- Emergency preparedness
- Information technology (IT) infrastructure and data management standards

Current focus areas for Plan development include overall system operational philosophies, software procurement for long-term water quality data management, financial procedures, implementation of asset management software, and development of standard operating procedures (SOPs). SOPs are documents that inform operators how to run components of the system to maintain consistency and a high level of service.

In mid-2025, the operations planning team anticipates bringing the draft Plan to the WWSS Board of Commissioners for approval prior to commissioning and startup of the new system. Operations planning efforts will continue beyond 2026 for continued improvement in operations reliability and efficiency.



Operations Plan Progress To-Date

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the Raw Water Facilities Expansion project (RWF_1.0). Additional information on the project is available at https://www.ourreliablewater.org/rawwater/.

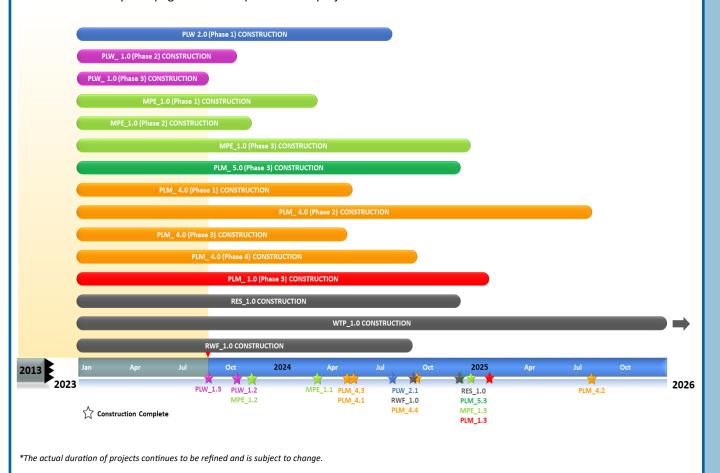




Upper site electrical building roof joist system

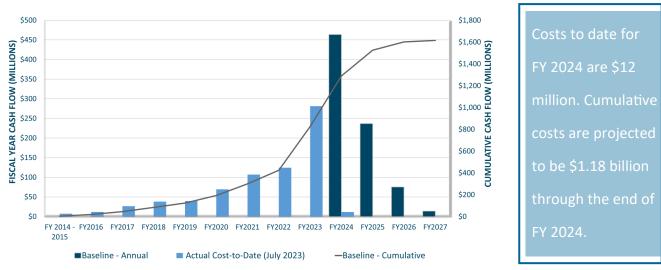
Schedule Summary

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.



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.

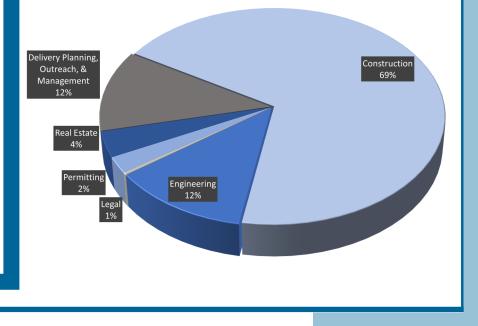


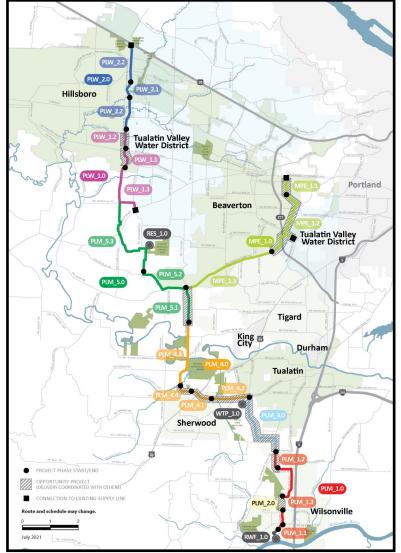
*Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

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

Cumulative Water Supply Program costs to date are approximately \$717.6 million, with the majority spent on planning, engineering, and 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)

FPS_1.0

DCS_1.0

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.

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

South Hillsboro Area Pipeline Project PLW 1.0

(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

Metzger Pipeline East Project MPE_1.0

(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

Tualatin-Sherwood Area Pipeline Project PLM_4.0 (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

Wilsonville Area Pipeline Project PLM_1.0 (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