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 March 2024

SOUTH BEAVERTON AREA WATER STORAGE TANKS (RES_1.0) Project

Two 15-million-gallon water storage tanks will be built near the SW Grabhorn Road and SW Stonecreek Drive intersection. Construction of the easternmost water storage tank is being completed in coordination with the Scholls Ferry Area Pipeline (PLM_5.3) project. The westerly water tank construction has been deferred to approximately 2035.

Construction Update

Beginning earlier this month, WWSP vendor DN Tanks began the prestress wrapping of the tank. High-strength steel wires encircling the tank walls will apply compression to the tank to counteract the forces within the tank when full of water and to provide additional stability.

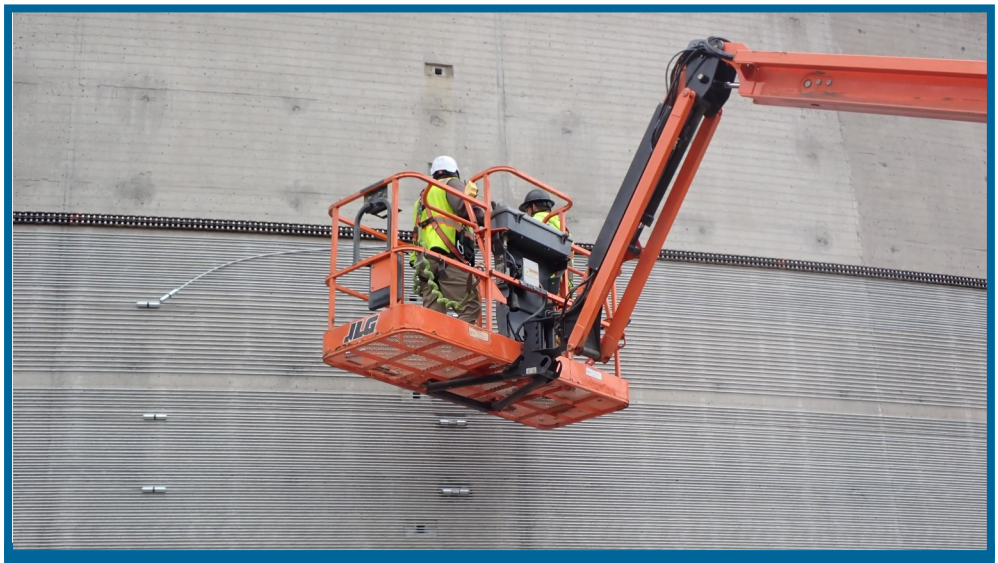
The first step in the process is to hydro blast the concrete surface to provide the profile needed for wrapping.

Next, a prestressing machine starts to wrap the wire. The force applied by the machine is approximately 15,000 pounds. A safety zone, including physical barriers, around the wrapping machine will be in place.

There are three layers of wire, each followed by a layer of shotcrete. The entire process will take four months.

This method reinforces the structure while enhancing its watertightness and durability.

The first of three wraps complete



An inspector confirming the number of wraps is correct

Project of the Month

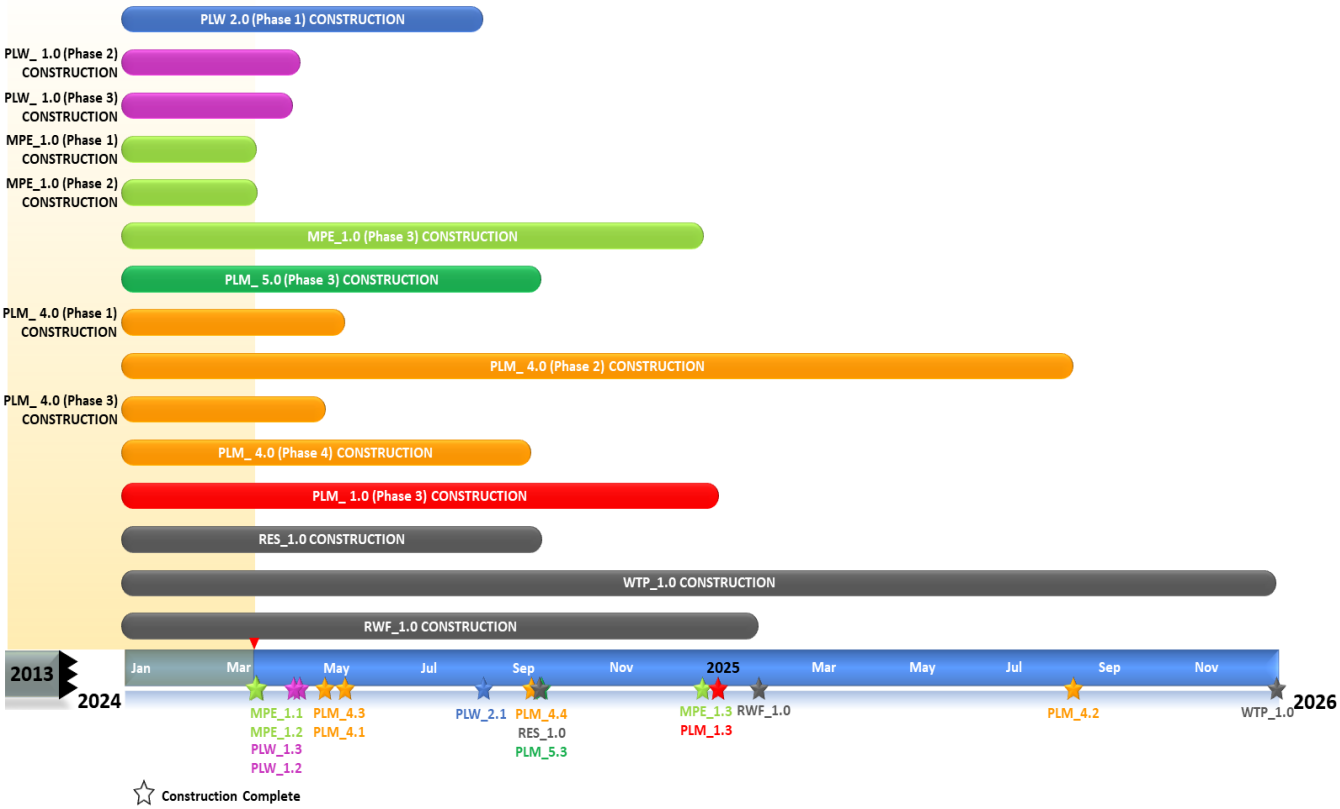
The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the Raw Water Facility (RWF_1.0). Additional information on the project is available at https://www.ourreliablewater.org/rawwater/.

Castle Masonry installing stone veneer on the southern section of the Raw Water Facility's perimeter fence

Freshly poured concrete for the Raw Water Facility pump bases

Schedule Summary

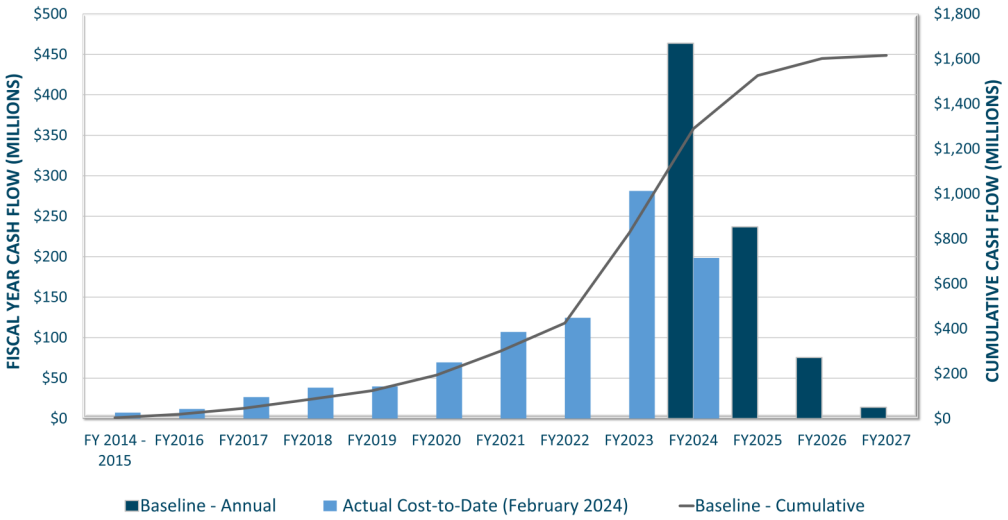
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2024 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



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.



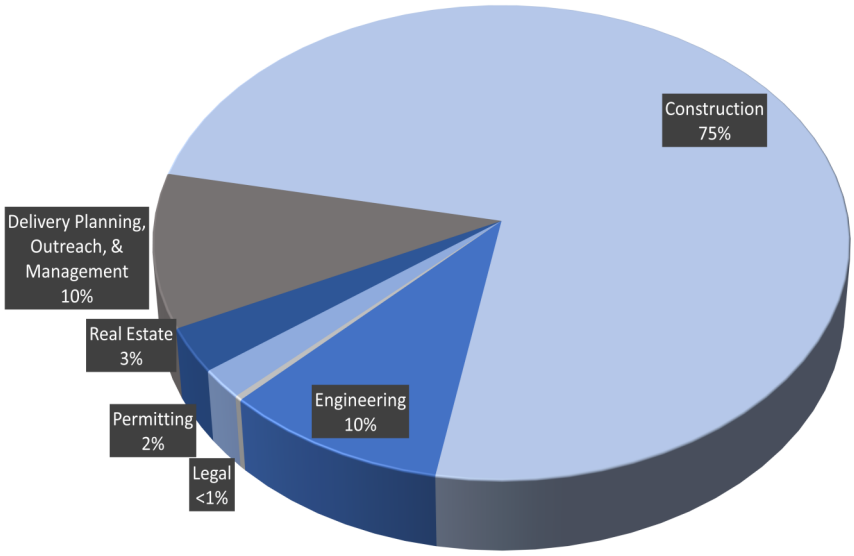
Costs to date for FY 2024 are $198 million. Cumulative costs are projected to be $1.2 billion through the end of FY 2024.

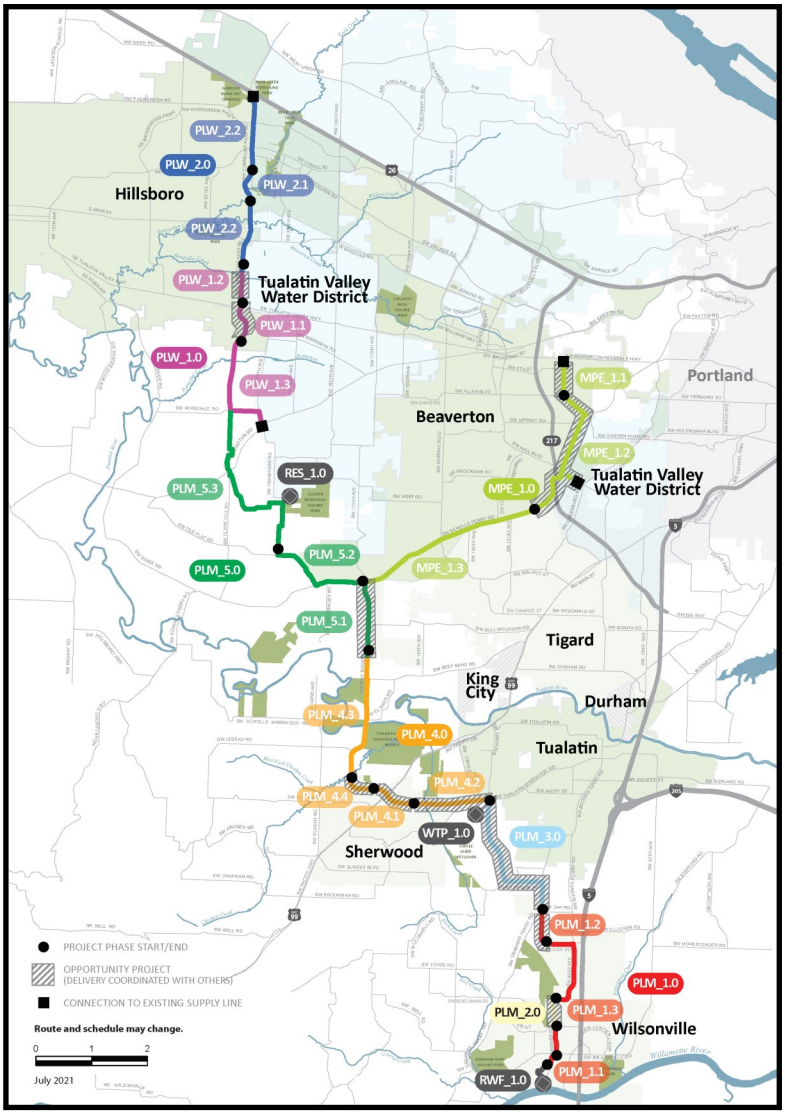
Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

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

Cumulative Water Supply Program costs to date are approximately $904.4 million, with the majority spent on planning, engineering, and construction.





WTP_1.0 **FPS_1.0** **DCS_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.

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