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.

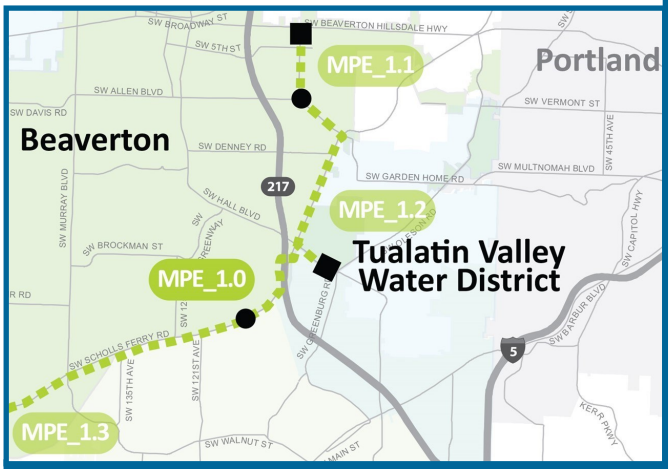
Willamette Water Supply
Our Reliable Water

Monthly Progress Report

Month End October 2023

Metzger Pipeline East (MPE) Project Progress Update

The MPE project, which is being completed in three phases, will enhance the reliability and seismic resiliency of drinking water service for City of Beaverton and Tualatin Valley Water District (TVWD) customers. The new system is designed to withstand a large earthquake, which will help our community recover quicker after such an event. Construction of the MPE project, like all of the WWSS projects, is providing economic benefits to the region.



Metzger Pipeline East Project Map

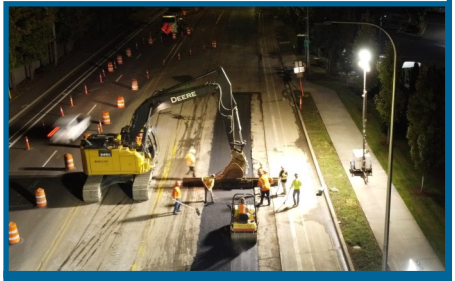
MPE 1.1: In partnership with the City of Beaverton, the WWSP has constructed 90% of this project phase. Working with local business owners to minimize construction impacts, 3,800 feet of pipeline has been installed to date. A railroad crossing at Western Avenue, as well as street and water main improvements, have been completed. The final portion of the project—Washington County supply line tie-ins in Beaverton-Hillsdale Highway—will be completed this winter.

Placing flow meter vault pre-cast wall at MPE_1.1

MPE 1.2: This phase of the MPE project is 80% complete. The WWSP has installed over 10,000 feet of 48-inch welded steel pipe and 1,950 feet of 24-inch ductile pipe to date, and completed construction of a majority of the Pressure and Flow Control Building (PFC). In addition, over 13,000 feet of 16-inch ductile pipe has been installed in partnership with the City of Beaverton. Remaining work includes two trenchless installations, connection to MPE_1.1 and MPE_1.3, and mechanical, HVAC, and electrical work at the PFC.

Removing shoring and backfilling at MPE_1.2

MPE 1.3: Pipeline work for this project phase is 30% complete. WWSP has constructed over 4,000 feet of 48-inch welded steel pipe. Upcoming work on the project includes completing installation of the 48-inch steel pipe, completing a meter vault in Roy Rogers Road, and connecting the MPE_1.0 project to the PLM_5.1 portion of the water supply pipeline.



Paving work at MPE_1.3

Project of the Month

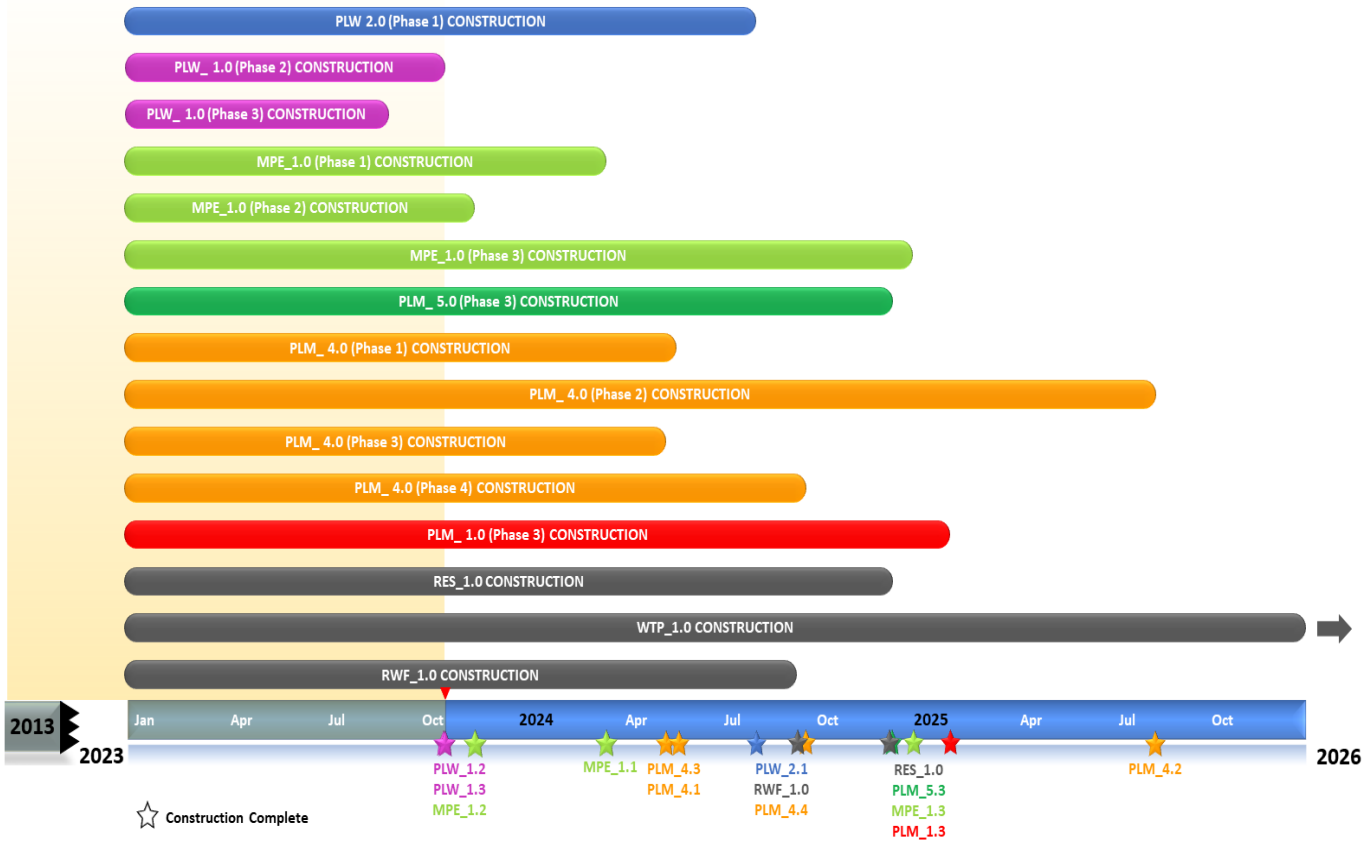
The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight the Water Treatment Plant project (WTP_1.0). Additional information on the project is available at https://www.ourreliablewater.org/water-treatment-plant/.

Formwork for prestressed concrete tank wall at the clearwell

Completed foundation slab at the clearwell (with finished water pump station wet well in background)

Schedule Summary

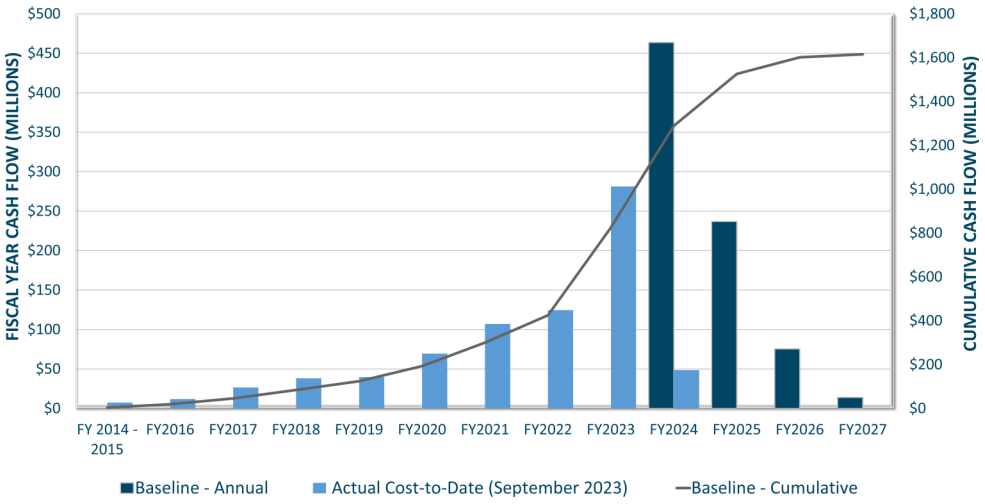
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2023 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



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.



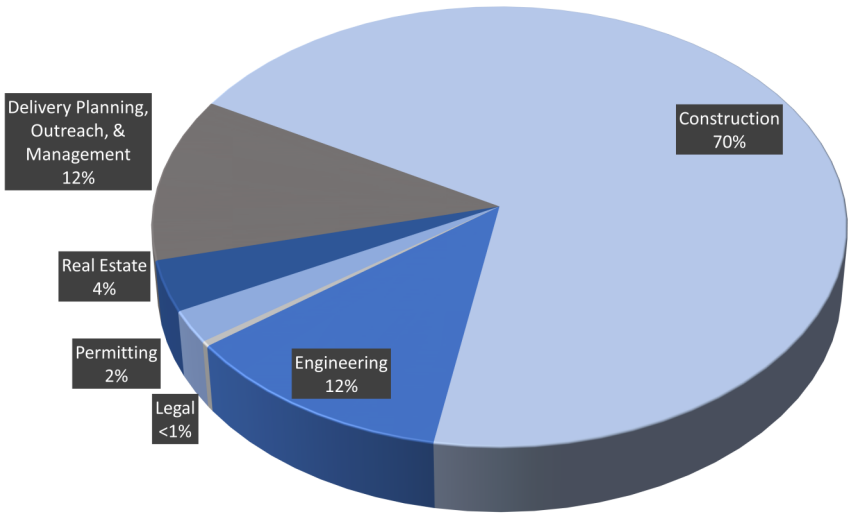
Costs to date for FY 2024 are $49 million. Cumulative costs are projected to be $1.18 billion through the end of FY 2024.

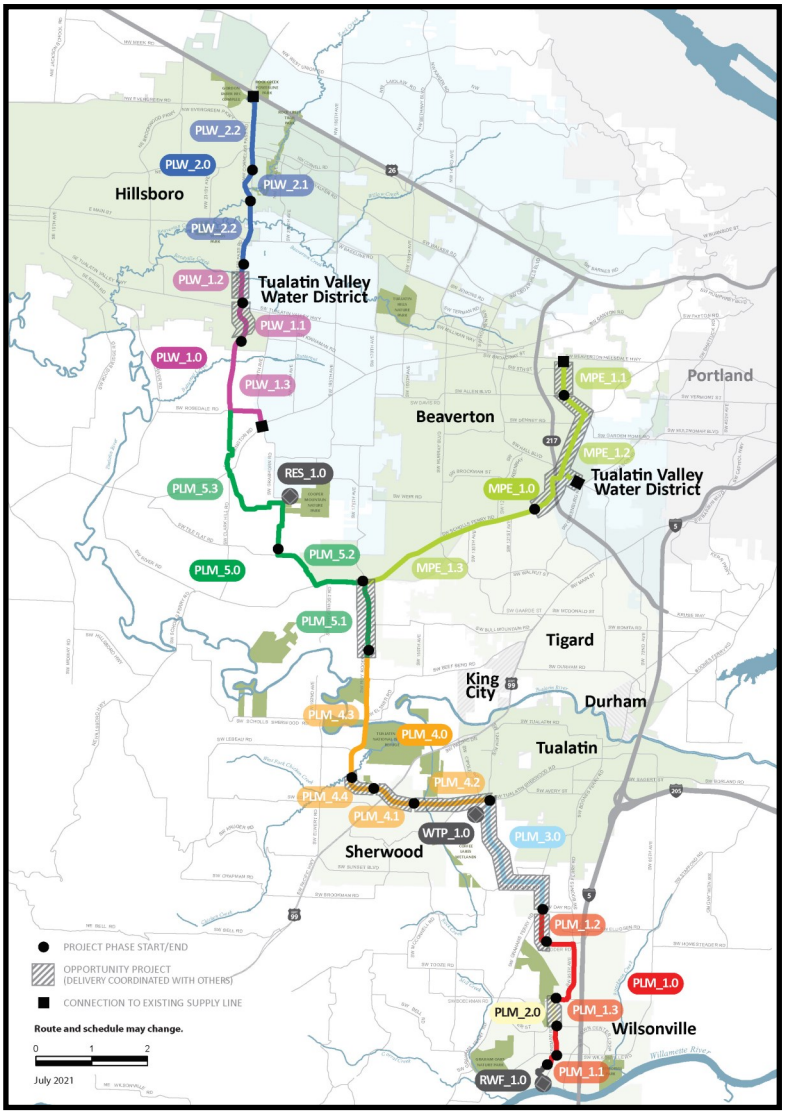
Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

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

Cumulative Water Supply Program costs to date are approximately $754.4 million, with the majority spent on planning, engineering, and construction.





WTP_1.0 **Willamette Water Supply System Water Treatment Plant**
(Water Treatment Plant (WTP))

FPS_1.0

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.

DCS_1.0

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 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: Complete

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