

## 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 build the Willamette Water Supply System (WWSS) in response to planned growth in their service areas. 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 April 2021

### City of Beaverton Partnership Projects

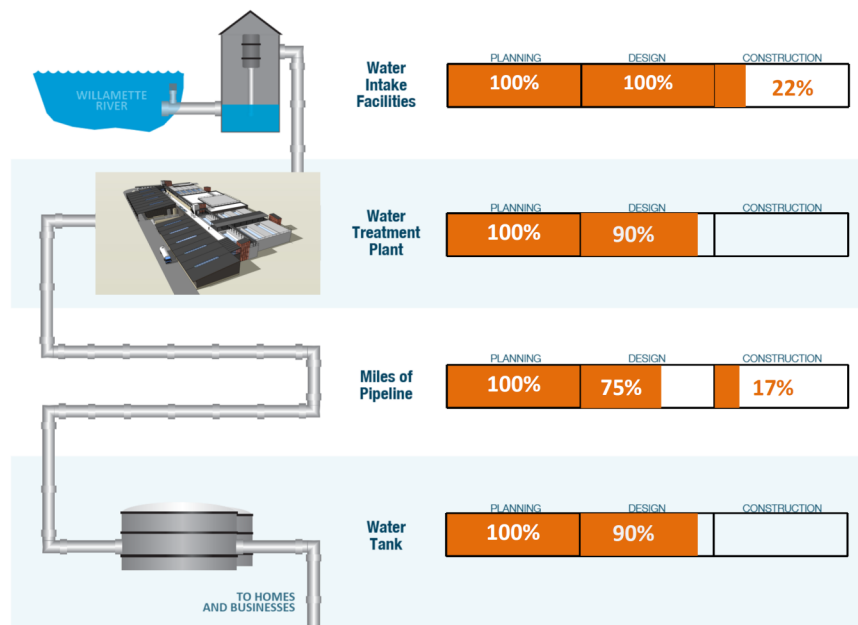
The City of Beaverton and Willamette Water Supply Program (WWSP) are partnering on joint construction of water pipeline projects and road work to decrease impacts on the public and reduce costs. The Metzger Pipeline East **Phase 1** consists of 0.7-miles each of 48-inch diameter pipeline (MPE\_1.1) and 16-inch diameter pipeline (COB\_1.1) along Allen Boulevard and Western Avenue. The project will be built during the City of Beaverton’s [Western Avenue Improvement Project](#). Construction will include crossing a railroad and a connection to the City of Beaverton pipeline at the Beaverton-Hillsdale Highway. Moore Excavation Group, Inc., a WWSP pre-qualified pipeline contractor, was awarded the construction contract. Construction is anticipated to begin in May 2021 and be complete in early 2023.

**Phase 2** consists of 3.3-miles of 48-inch to 24-inch diameter pipeline (MPE\_1.2) and 16-inch diameter pipeline (COB\_1.2) along SW Scholls Ferry Road between Allen Boulevard and Greenway Park. Construction will include crossing beneath two creeks, two sets of railroad tracks, and Highway 217—all using trenchless pipeline methods. Award of a construction contract is anticipated in early May 2021. Construction of the pipeline is anticipated to begin in June 2021 and completed mid-2023.

**Phase 3** (MPE\_1.3), while not a partnership project, is part of the overall Metzger Pipeline East Project consisting of 3.4-miles of 48-inch diameter pipeline along Scholls Ferry Road, connecting to the PLM\_5.1 Project on Roy Rogers Road and ending at Greenway Park. Construction is scheduled in 2022.

### Progress of the WWSP

The WWSP is on schedule to meet the 2026 completion date. Below is a graphical representation of progress of the major elements of the Program.



## Procurement & Business Opportunities

The WWSP staff are preparing for several upcoming professional services and construction contractor procurements. Listed below are active procurements and upcoming events and procurements. Procurement opportunities are also published at <http://www.ourreliablewater.org/business-opportunities>.

### Active Procurements

- MPE\_1.2/COB\_1.2 Request for Proposal (RFP) for Construction

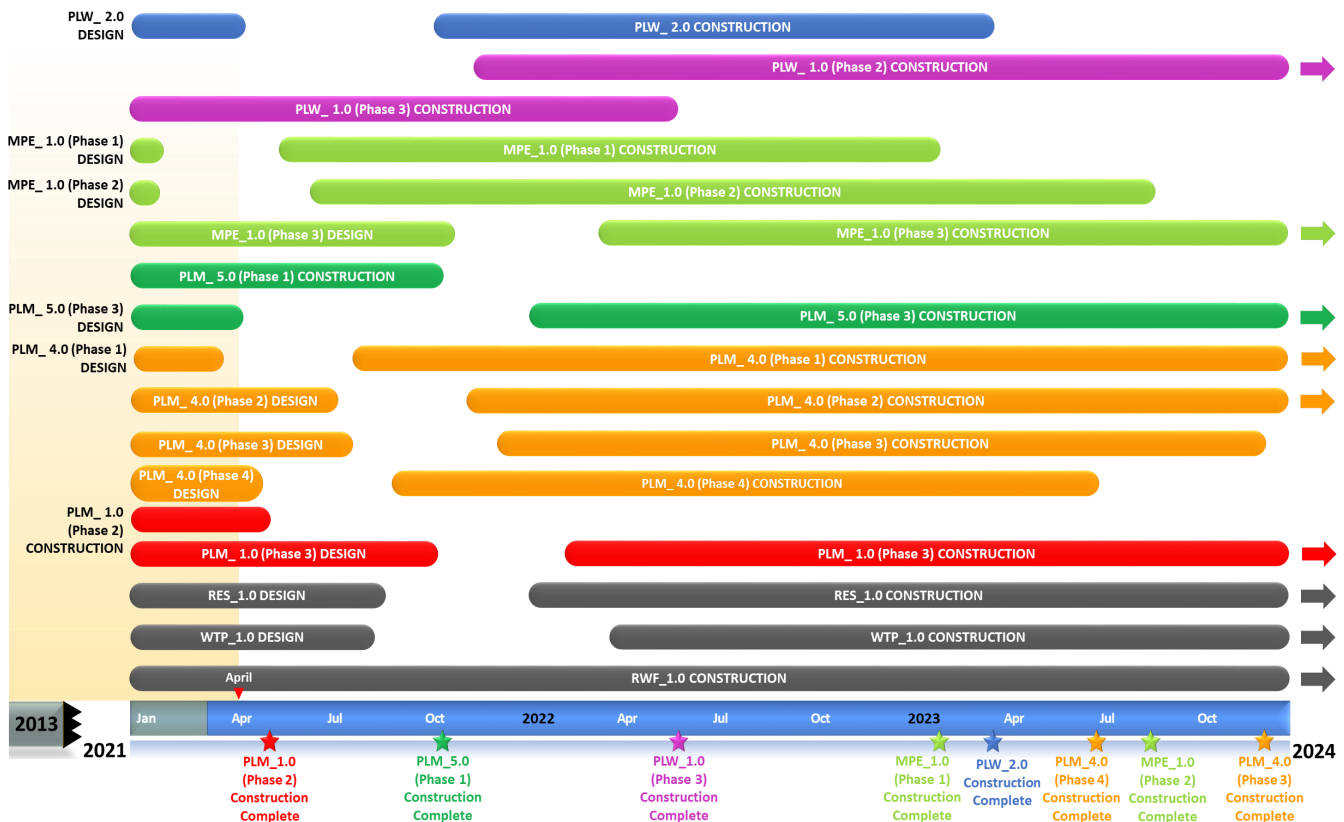
### Upcoming Procurements

- PLM\_4.1 ITB for Construction\* (Quarter 2, 2021)
- PLM\_4.4 ITB for Construction\* (Quarter 2, 2021)
- PLW\_2.0 RFP for Construction (Quarter 2, 2021)
- PLM\_4.2 ITB for Construction\* (Quarter 3, 2021)
- PLM\_4.3 RFP for Construction (Quarter 3, 2021)
- PLM\_5.3 RFP for Construction (Quarter 3, 2021)
- PLW\_1.2 ITB for Construction\* (Quarter 3, 2021)

\*by Washington County

## Schedule Summary

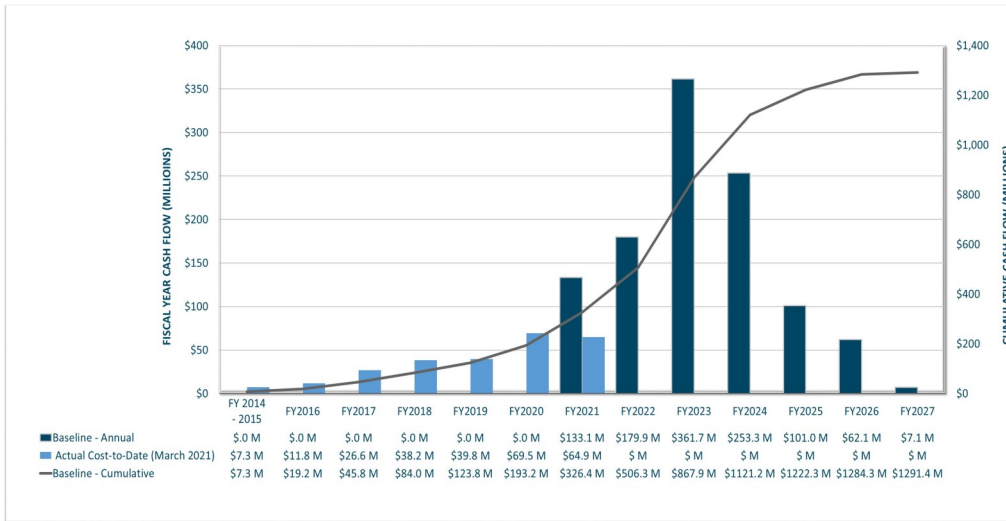
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2021 to 2024\*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



\*The actual order and 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 \$1.3 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.



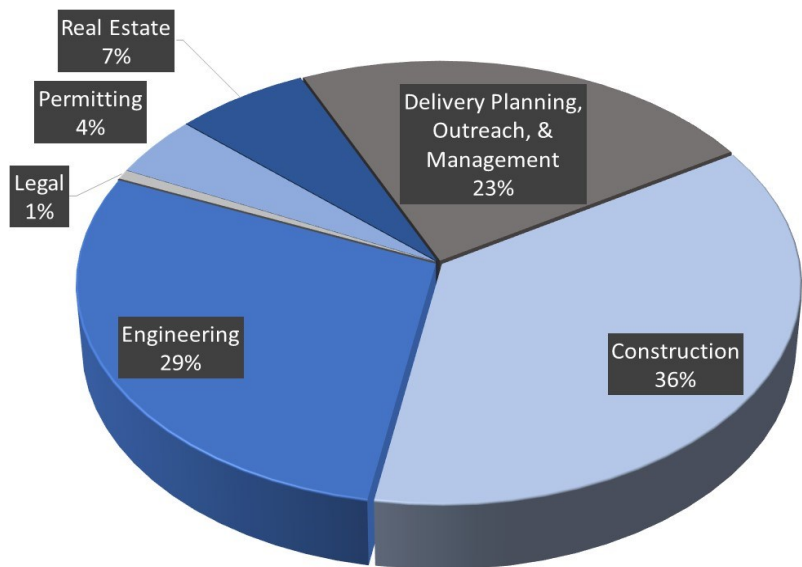
Costs to date for FY 2021 are \$65 million. Cumulative costs are projected to be \$326 million through the end of FY 2021.

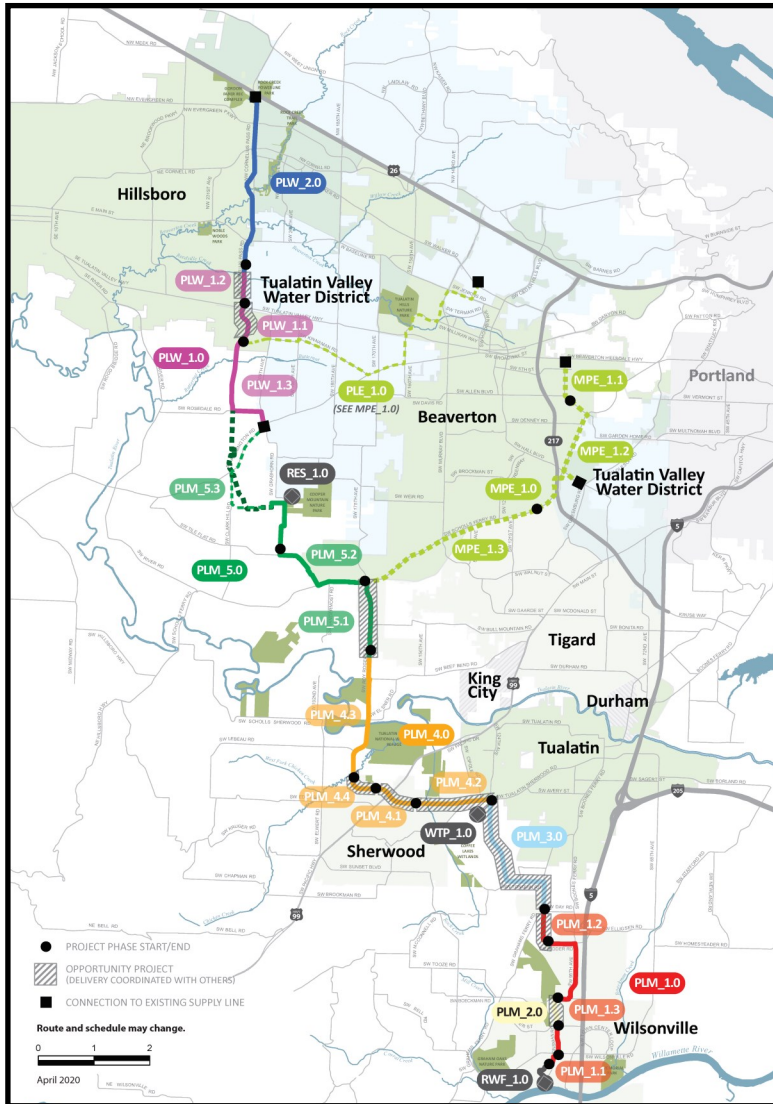
\*Data continues to be refined and is subject to change.

## Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through March 2021.

**Cumulative Water Supply Program costs to date are approximately \$258 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; connects to existing supply lines for City of Hillsboro and TVWD.  
*Status:* Design

**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: Design Complete; 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 in lieu of PLE\_1.0 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: Design Complete; Phase 2: Design Complete; Phase 3: Design

**RES\_1.0 South Beaverton Area Water Storage Tanks**  
(Storage Tanks)

*Description:* Two 15-million gallon storage tanks located on Cooper Mountain.  
*Status:* Design

**PLM\_5.0 Scholls Area Pipeline Project**  
(North of Beef Bend Road to Farmington Road)

*Description:* 7-mile water pipeline from SW Roy Rogers Rd. 0.5-mile north of SW Beef Bend Rd. to SW Farmington Rd. at SW 209th Ave.  
*Status:* Phase 1: Construction; Phase 2: Complete; Phase 3: Design

**PLM\_4.0 Tualatin-Sherwood Area Pipeline Project**  
(SW 124th Avenue to north of Beef Bend Road)

*Description:* 5.2-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: Design Complete; Phase 2: Design; Phase 3: Design; Phase 4: Design

**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: Construction; Phase 3: Design

**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:* Design (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: Construction; Phase 2: Design Complete

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](http://www.ourreliablewater.org) or call 503.941.4570.

For additional schedule information, go to page 3 of this report, or [www.ourreliablewater.org](http://www.ourreliablewater.org).