TVWD Merging Metzger Pipeline East Project with Willamette Water Supply Program

The Willamette Water Supply Program (WWSP) team designs and builds projects that make up the future Willamette Water Supply System (WWSS) to come online in 2026. Tualatin Valley Water District (TVWD), the WWSP managing agency, is planning to utilize the WWSP staff and expertise to accelerate work on its already-planned Metzger Pipeline East (MPE_1.0) project by merging the project with the ongoing work by the WWSP team.

Early design efforts to confirm the MPE_1.0 route are underway. These efforts will support additional regulatory approvals needed for this route. Advancing design and construction of the MPE_1.0 project at this time replaces the need for the Pipeline East (PLE_1.0) project and provides a number of benefits:

- Eliminates two future construction projects by TVWD (pipeline and associated fluoride station)
- Reduces public inconvenience and environmental impacts of construction
- Accelerates improved water supply reliability to TVWD’s entire system
- Provides substantial savings (millions when compared to separate projects)

Additionally, delivering this project through the WWSP more efficiently leverages the WWSP team to manage engineering, permitting, and community outreach efforts.

TVWD incorporated this revised project approach into its Water Master Plan Update in late 2018 – and staff recently incorporated the project into WWSP’s planning and cost forecast. This change increases the estimated cost of projects currently managed by the WWSP from $1.2 to $1.3 billion while maintaining the WWSP schedule.

TVWD will pay this additional cost. The City of Hillsboro’s WWSP costs will remain unchanged. This approach delivers value to WWSP partners and TVWD customers. Other projects may merge into the WWSP as partner agencies take advantage of the benefits of WWSP’s efficiency and expertise.

Where is MPE_1.0? The Metzger Pipeline East project will begin near the intersection of Roy Rogers Road and Scholls Ferry Road and continue to the east mostly following Scholls Ferry Road — the route previously identified in TVWD’s capital plan for a future pipeline to supply the Metzger service area. The MPE_1.0 will also connect to TVWD’s system near Western Avenue at Beaverton Hillsdale Highway.
Procurement & Business Opportunities

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

- Cornelius Pass Pipeline Project (PLW_2.0) Design Request for Proposal (RFP) (Quarter 1, 2019)

Upcoming Procurements

- Wilsonville Area Pipeline Project (PLM_1.1) Construction Invitation to Bid (ITB) (Quarter 2, 2019)
- Wilsonville Area Pipeline Project (PLM_1.2) Construction ITB (Quarter 2, 2019)

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 2019 to 2022*. 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 for FY 2019 are $20 million. Cumulative costs are projected to be $129 million through the end of FY 2019.

Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through February 2019.

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

Cumulative Water Supply Program costs to date are approximately $103 million, with the majority spent on planning, engineering, construction, and real estate activities.
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 near Sherwood.
Status: Design Phase (FPS/DCS Construction Start: 03/2022)
Design Phase (DCS Construction Start: 03/2022)

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: Design Phase (Construction Start: 06/2020)

For more information about the WWSP, visit www.ourreliablewater.org or call 503.941.4570.