

Our Future Water Supply

Tualatin Valley Water District (TVWD) and the City of Hillsboro, collectively referred to as the Partners, have identified the Willamette Water Supply system as the best option for future delivery of drinking water to their service areas in Washington County. Development of the Willamette Water Supply system is being led by the Partners.

Other water providers in the region are also looking at their options for future participation. The mid-Willamette River at Wilsonville will be the new water supply source for the Willamette Water Supply system. Although current demands are met through other sources, the addition of a new source will provide improved water supply reliability and system resiliency. Developing an additional water supply through a partnership supports the region's plans for responsible growth within urban growth boundaries.

Willamette Water Supply

Our Reliable Water

Monthly Progress Report

July 2016

PROJECT UPDATES

Tualatin-Sherwood Area Pipeline

The Tualatin-Sherwood Area Pipeline Project is a 4.8-mile pipeline that will be installed from SW 124th Ave. to SW Beef Bend Rd. in Washington County. The project is separated into several design and construction phases to take advantage of a partnering opportunity with Washington County. Pipe installation across three roadways (Highway 99, Tualatin-Sherwood Rd., and Roy Rogers Rd.) will occur in cooperation with Washington County roadway improvements. Brown and Caldwell

was awarded the design contract and issued Notice to Proceed June 16. The project kick-off meeting was held July 6 and preliminary design and geotechnical investigations are currently underway. Over the next few months, the design contractor will perform geotechnical work and utility and topographic surveys, as well as develop the basis of design, alignment selection, and update the recommended preferred route.

Kinsman Road Partnership

The Kinsman Road Partnership Project, a 0.5-mile pipeline that will be installed while extending Kinsman Rd. from Barber St. to Boeckman Rd. in Wilsonville, was recently bid and awarded by the Oregon Department of Transportation (ODOT). This project will be constructed in partnership with ODOT, with costs shared among Willamette Water Supply Program (WWSP), the City of Wilsonville, and ODOT. Emery & Sons Construction Group, based out of Salem, Oregon, was awarded the construction contract and

issued Notice to Proceed July 1. The contractor is mobilizing to the construction site this month. A steel casing under Coffee Lake Creek (for future insertion of the pipeline) will be completed in July. Installation of pipe is scheduled to begin in October and will continue through early 2017.

124th Avenue Partnership

Construction continues on the 124th Avenue Partnership Project, a 2.7-mile pipeline and new roadway located in Washington County from the intersection of SW Grahams Ferry Rd. and SW Day Rd. to Tualatin-Sherwood Rd. Kerr Contractors, Inc. has been performing earthwork, drainage pipe installation, and retaining wall construction. Pipe fabrication for the initial 1.5 miles of pipeline began in May and continued through July. Installation of the first section of pipeline is planned to begin in August and installation will continue through the end of the year. The pipeline will

be installed as part of Washington County's SW 124th Avenue Extension Project, which will improve regional mobility and access to future commercial and industrial lands. The road/pipeline construction is scheduled for completion by the fall of 2018.



Pipe fabrication at the Northwest Pipe manufacturing facility

Procurement / Business Opportunities

WWSP staff are preparing for several professional services and construction contractor procurements in the upcoming year. For this effort, the team is maintaining a procurement forecast schedule that is featured in this section of the monthly report. In addition, business outreach events will be scheduled and hosted by the WWSP to communicate opportunities for businesses to support delivery of the WWSP. Monitor these monthly progress reports or periodically visit our website www.ourreliablewater.org for future events and procurements and discover how the WWSP is benefiting the local economy. Listed below are active procurements and upcoming events and procurements for 2016.

Active Procurements

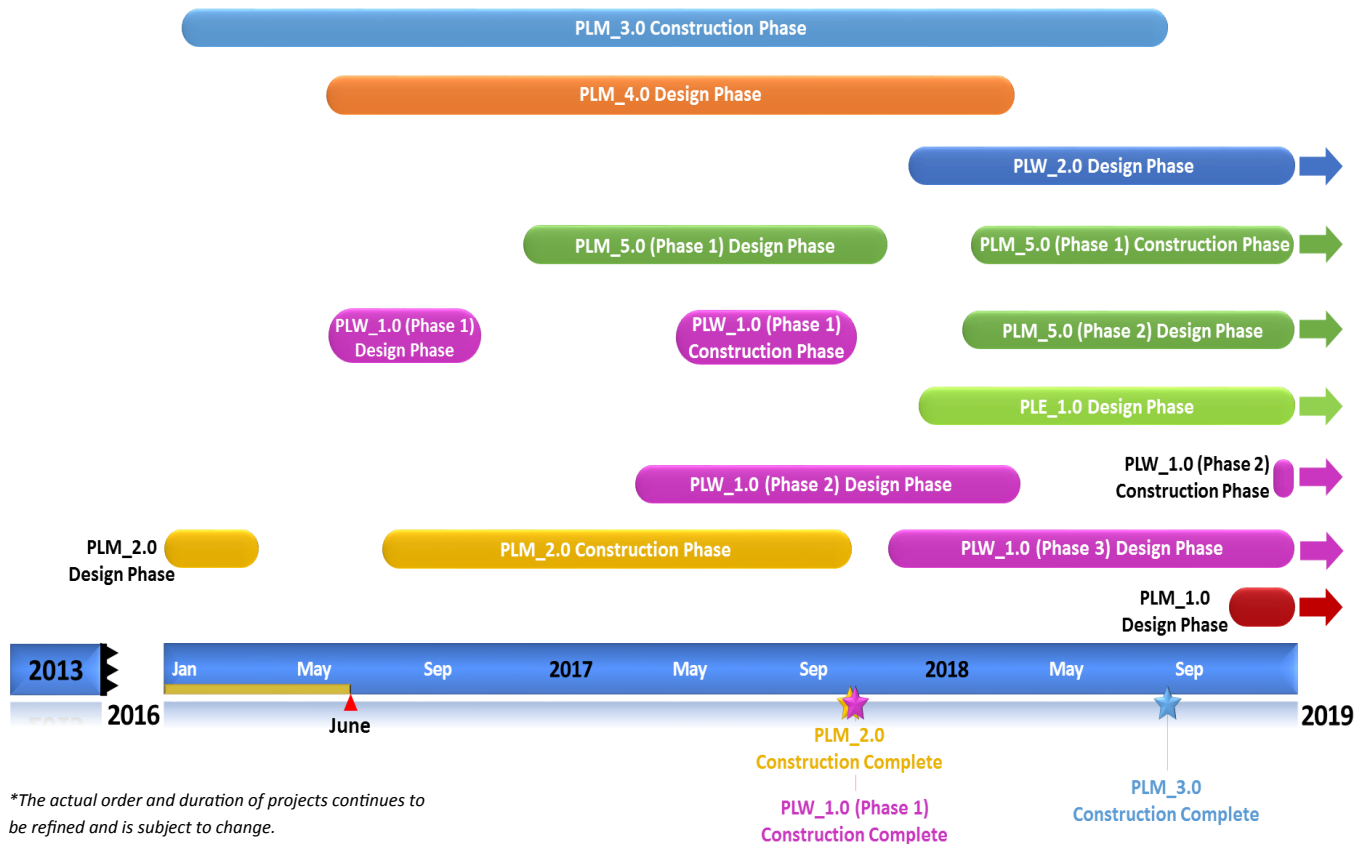
- Scholls Area Pipeline Project (PLM_5.0) design consultant services
- Real estate support services

Upcoming Events & Procurements

- Request for Qualifications (RFQ) for pipeline construction contractors (Quarter 3 2016)
- Request for Proposal (RFP) for land surveying support services (Quarter 3 2016)

Schedule Summary

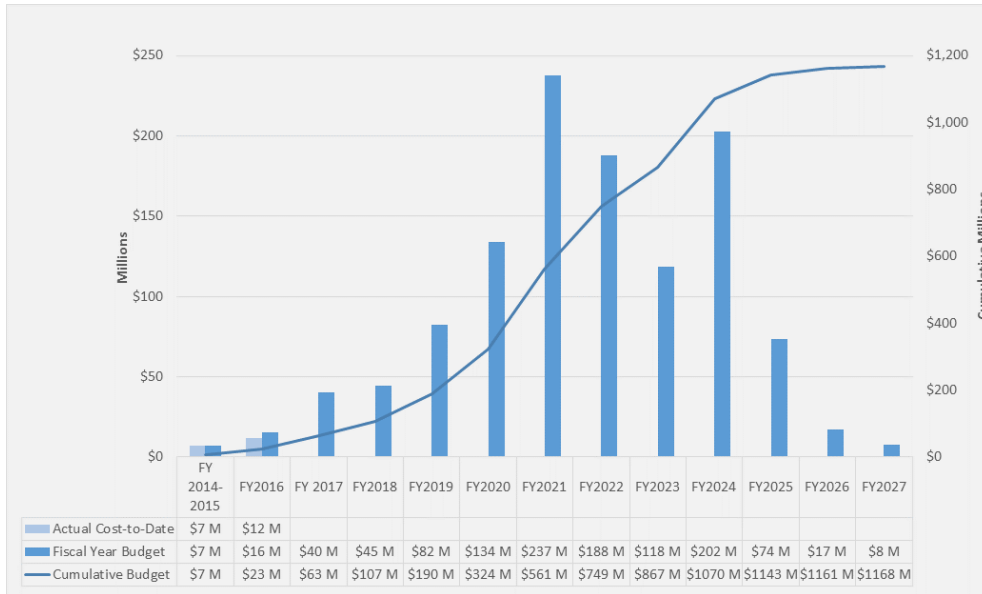
Work on the WWSP design and planning began in 2013; the WWSP is expected to be in service by July 2026. Below are the major milestones and activities completed and forecasted on the WWSP from 2016-2019*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the referenced projects 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 cash flow by fiscal year (FY 2017 July 1 - June 30) for WWSP*. The cumulative cash flow establishes the budgeted \$1.2 billion, which accounts for actual and current projected costs, including projected escalation in the cost of labor, materials, and equipment required to build the projects that comprise the WWSP.



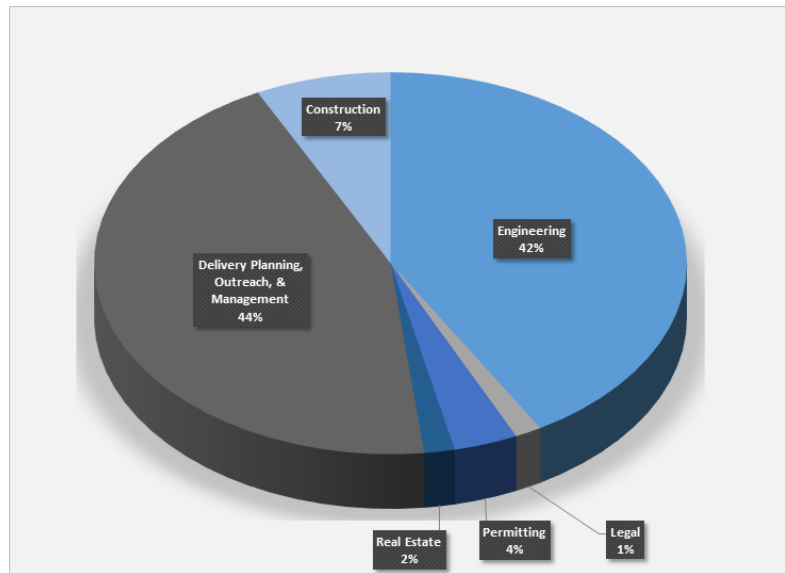
Forecasted costs for FY 2017 are \$40 million. Cumulative Program costs are projected to be \$59 million through the end of FY 2017.

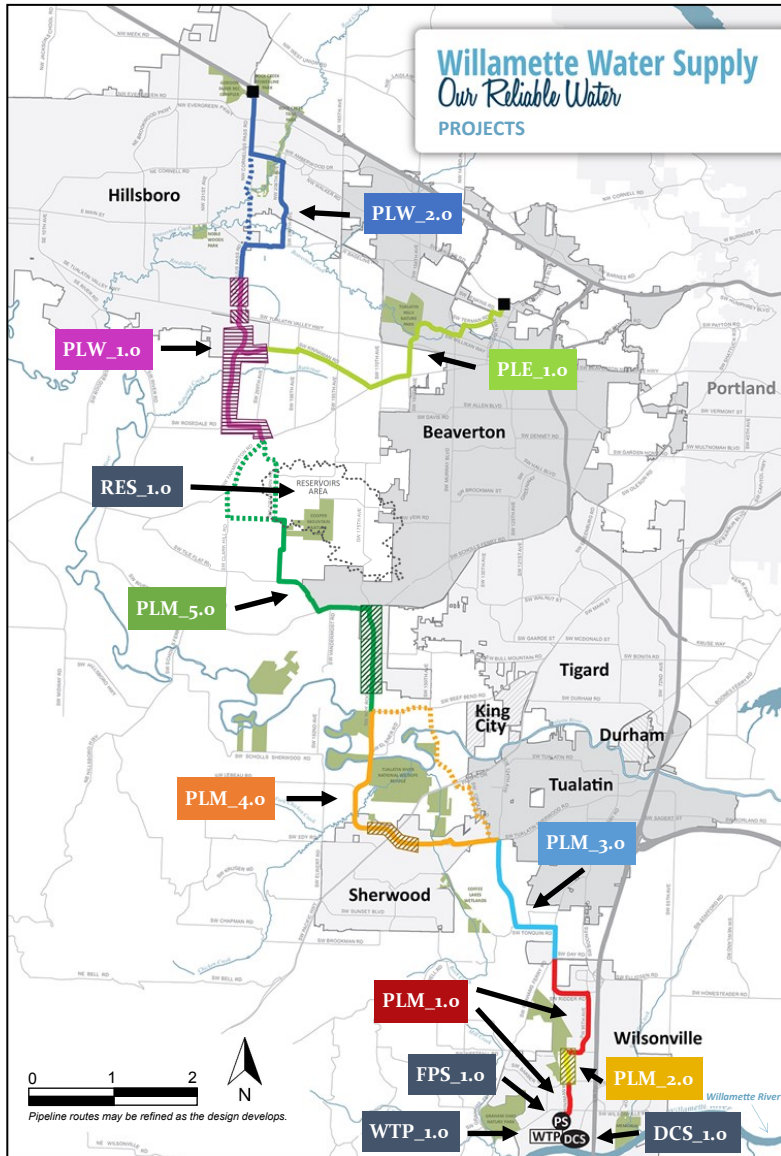
*Data continues to be refined and is subject to change.

Cumulative Cost Summary

Cumulative costs for the WWSP are tracked and updated monthly. The pie chart below summarizes the distribution of cumulative costs through June 2016.

Cumulative cost to date is approximately \$19 million, with the majority spent on planning and engineering activities.





PLW_2.0 Cornelius Pass Pipeline Project
(Frances Road to Highway 26)

Description: 4.4-mile water pipeline along Cornelius Pass Rd. from Frances Rd. to Hwy 26; connects to existing supply lines for City of Hillsboro and TVWD. A partial alternate route is under consideration.

Status: Planning Phase (Design Start: 12/2017)

PLW_1.0 South Hillsboro Area Pipeline Project
(Farmington Road to Frances Road)

Description: 3.9-mile water pipeline from SW Farmington Rd. at SW 209th Ave. to Cornelius Pass Rd. at Frances Rd.; also east on Kinnaman Rd. between Cornelius Pass Rd. and 209th Ave.

Status: Design Phase (Construction Start: 02/2017)

PLE_1.0 Beaverton Area Pipeline Project
(SW 209th Avenue to Walker Road)

Description: 5.5-mile water pipeline from SW 209th Ave. at Kinnaman Rd. to SW Cedar Hills Blvd.; connects to existing TVWD system.

Status: Planning Phase (Design Start: 01/2018)

RES_1.0 South Beaverton Area Water Storage Tanks
(Storage Tanks)

Description: Two 15-million gallon storage tanks located in the Cooper Mountain area.

Status: Planning Phase (Design Start: 06/2020)

PLM_5.0 Scholls Area Pipeline Project
(Beef Bend Road to Farmington)

Description: 7.2-mile water pipeline from SW Roy Rogers Rd. at SW Beef Bend Rd. to SW Farmington Rd. at SW 209th Ave. A partial alternate route is under consideration.

Status: Planning Phase (Design Start: 12/2016)

PLM_4.0 Tualatin-Sherwood Area Pipeline Project
(SW 124th Avenue to Beef Bend Road)

Description: 4.8-mile water pipeline from 124th Ave. at SW Tualatin Sherwood Rd. to SW Roy Rogers Rd. at SW Beef Bend Rd.

Status: Design Phase (Construction Start: 03/2019)

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: Construction Phase (Complete: 08/2018)

Kinsman Road Partnership Project

PLM_2.0 (Kinsman Road Extension)

Description: 0.5-mile water pipeline along Kinsman Rd. between Barber Rd. and Boeckman Rd.

Status: Construction Phase (Complete: 10/2017)

Wilsonville Area Pipeline Project

PLM_1.0 (WTP to Day Road)

Description: 3.0-mile water pipeline from WWSP WTP to intersection of SW Garden Acres Rd. at Day Rd.

Status: Planning Phase (Design Start: 10/2018)

Willamette River Water Treatment Plant Expansion

WTP_1.0 (Water Treatment Plant (WTP) Expansion)

FPS_1.0 *Description:* 60 million gallon per day expansion of existing Willamette River Water Treatment Plant (WTP_1.0), including a finished water pump station (FPS_1.0) and control system (DCS_1.0) located on Arrowhead Creek Ln.

DCS_1.0

Status: Planning Phase (Design Start: 02/2020)

For more information about the WWSP, visit www.ourreliablewater.org or call 503.941.4570. This is a monthly progress report. Previous reports can be found at the WWSP website.