

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 the urban growth boundary.

Willamette Water Supply

Our Reliable Water

Monthly Progress Report

Month End December 2016

South Hillsboro Area Pipeline Project

The first phase of the South Hillsboro Area Pipeline Project, a 3.9-mile pipeline that will be installed from SW Farmington Rd. to Frances Rd., will begin construction in Feb. 2017. This first phase will include installation of 2,500 feet of 48-inch diameter pipeline under the Cornelius Pass/Tualatin Valley Hwy. intersection and continue south through a portion of Reed's Crossing—a new development in South Hillsboro owned by Newland Communities. In December, bids to construct Phase 1 were received from pre-qualified firms. Construction is expected to occur in coordination with the City of Hillsboro and Newland Communities' expansion of Cornelius Pass Rd. and the Cornelius Pass/Tualatin Valley Hwy. project. Phase 1

construction involves installation of two vaults that will connect to the existing City of Hillsboro water distribution system. These connections will be used for future water supply from the Willamette Water Supply Program to the City of Hillsboro's system. Construction of Phase 1 is expected to be completed by November 2017.



Rendering of the new Cornelius Pass Rd. extension south of Tualatin Valley Hwy.

Kinsman Road Partnership Project

The Kinsman Road Partnership Project is a 0.5-mile pipeline that is being installed while extending Kinsman Rd. from Barber St. to Boeckman Rd. in Wilsonville. Project construction is through a partnership with the City of Wilsonville, with partial federal aid from the Federal Highway Administration for the roadway work. On October 11, 2016, Emery & Sons Construction Group installed the first piece of Willamette Water Supply pipe near the intersection of SW Kinsman Rd. and SW Barber St. Through the end of December, about 1,500 feet of the 2,640 feet of 66-inch diameter pipe has been installed. Installation will continue through early 2017,

with construction of the waterline components occurring throughout 2017.



Installing 66-inch diameter pipe on Kinsman Rd.

Procurement / Business Opportunities

WWSP staff are preparing for several upcoming professional services and construction contractor procurements. For this effort, the team is maintaining a procurement forecast schedule that is featured in this section of the monthly report. Listed below are active procurements and upcoming events and procurements. Procurement opportunities are also published at <http://www.ourreliablewater.org/business-opportunities>.

Active Procurements

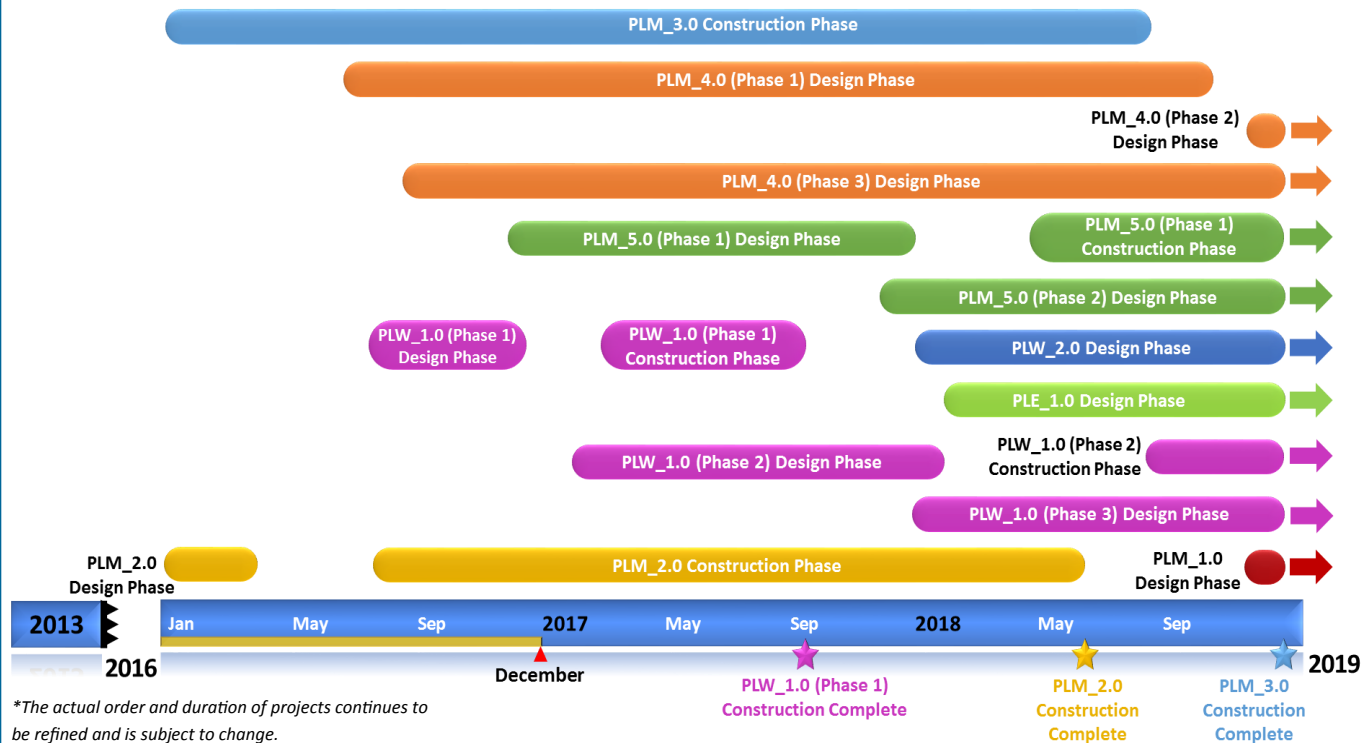
- Invitation to Bid for South Hillsboro Area Pipeline Project (PLW_1.0, Phase 1) pipeline construction contractor (bids received December 22)
- Request for Proposal (RFP) for raw water facility physical modeling study (advertised December 5, proposals due January 17)

Upcoming Procurements

- RFP for Program hydraulic modeling services (Quarter 1, 2017)

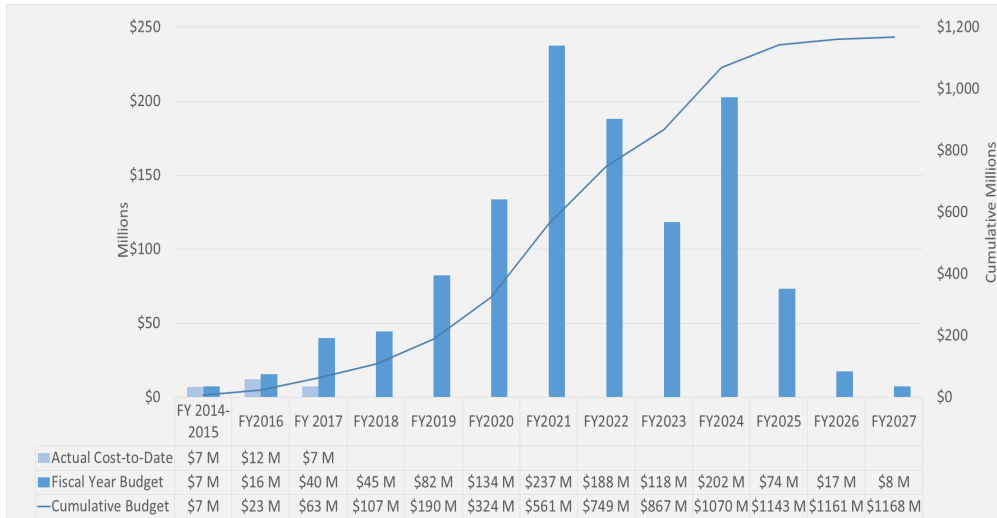
Schedule Summary

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 from 2016-2019*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the referenced projects below.



Forecast Cost Summary

The graph below illustrates the projected WWSP cash flow by fiscal year (FY July 1 - June 30)*. 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.



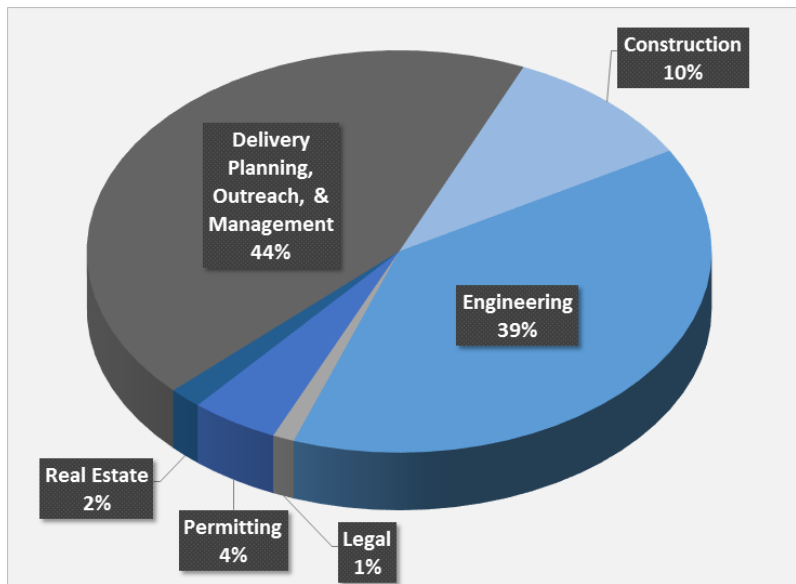
Forecasted costs for FY 2017 are \$40 million. Cumulative costs are projected to be \$63 million through the end of FY 2017.

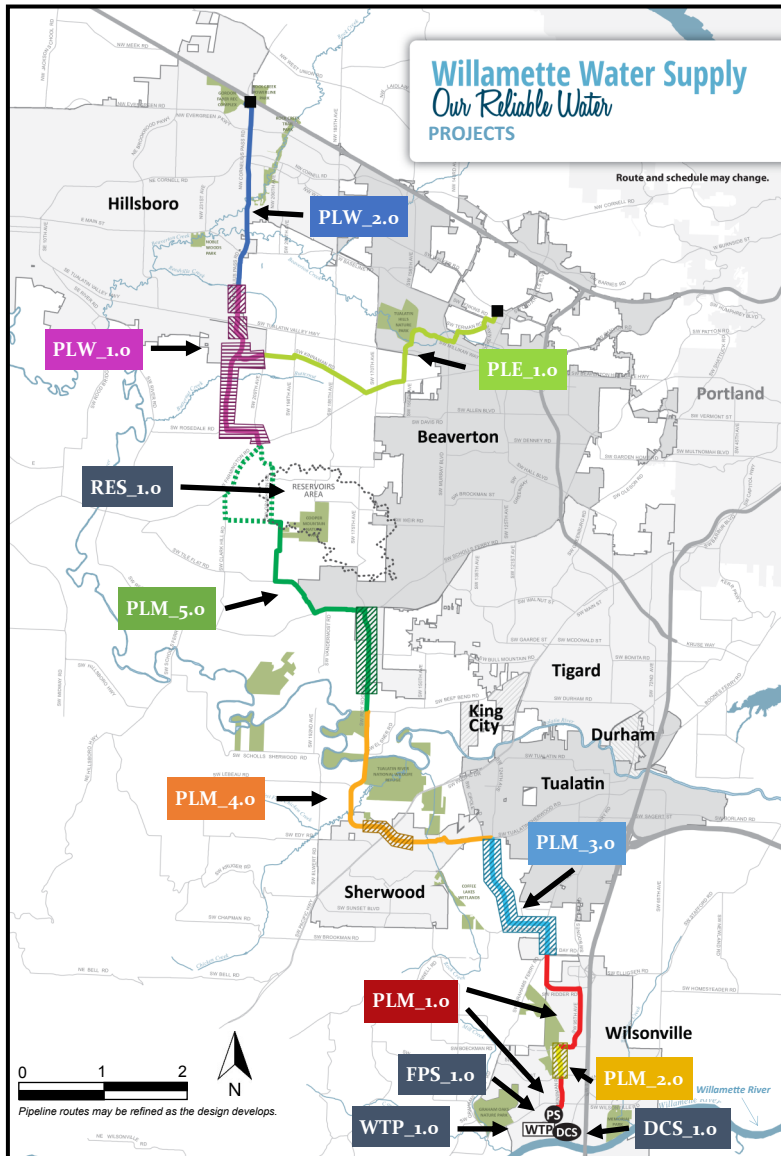
*Data continues to be refined and is subject to change.

Cumulative Cost Summary

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

Cumulative water supply costs to date are approximately \$26 million, with the majority spent on planning, engineering, and construction activities.





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

Description: 3.4-mile water pipeline along Cornelius Pass Rd. from Frances Rd. to Hwy 26; connects to existing supply lines for City of Hillsboro and TVWD.

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: Design Phase (Construction Start: 03/2018)

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)

PLM_2.0 Kinsman Road Partnership Project
(Kinsman Road Extension)

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

Status: Construction Phase (Complete: 06/2018)

PLM_1.0 Wilsonville Area Pipeline Project
(WTP to Day Road)

Description: 3.0-mile water pipeline from Willamette River Water Treatment Plant to the intersection of SW Garden Acres Rd. at Day Rd.

Status: Planning Phase (Design Start: 11/2018)

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.