

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*

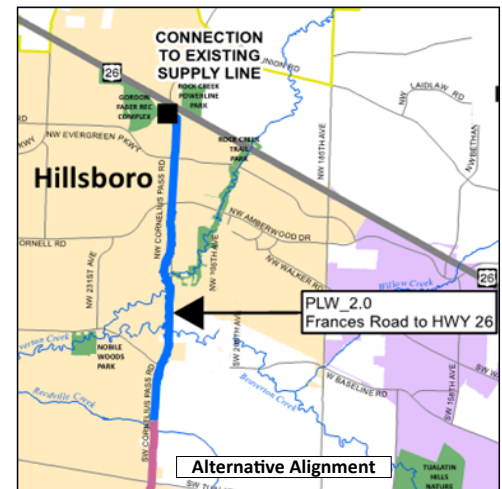
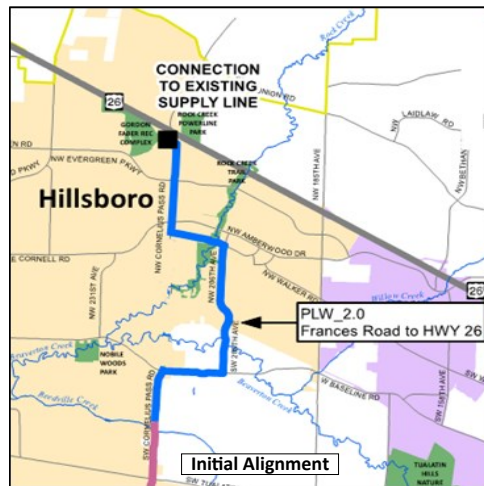
Monthly Progress Report

September 2016

## Cornelius Pass Pipeline Project Alignment Change

The Cornelius Pass Pipeline Project is a 3.4-mile pipeline that will be installed from SE Frances St. to Highway 26 along Cornelius Pass Rd. The pipeline alignment was initially planned to encompass SW 205th/206th Ave., which included an opportunity project for bridge replacement over Beaverton Creek. An alternative alignment along Cornelius Pass Rd. was also considered, but required further investigation due to constructability concerns. After additional analysis and field work in 2015, it was determined that the

alternative alignment along Cornelius Pass Rd. was constructible. The proposed change effectively moved a section of the alignment from SW 205th/206th Ave. to the west onto Cornelius Pass Rd. The alignment then continues north mostly on Cornelius Pass Rd. instead of turning east on W Baseline Rd. The realignment decreases the overall length of the alignment by approximately one mile and eliminates the need for two separate microtunnels (trenchless construction method to install pipelines).



## 124th Avenue Partnership Project

The 124th Avenue Partnership Project with Washington County is a 2.7-mile pipeline and new roadway project located in Washington County from SW Garden Acres Rd. to Tualatin-Sherwood Rd. Kerr Contractors, Inc. has been performing earthwork, installation of drainage pipe, and construction of a retaining wall since Notice to Proceed was issued March 31. In addition to these ongoing construction tasks, Kerr Contractors is preparing to begin pipeline installation

within the next two months. Pipe fabrication for the initial 1.5 miles of pipeline began in May by Northwest Pipe and is now complete with the pipe ready for installation. The pipeline will be installed as part of the SW 124th Avenue Extension Project, which will improve regional mobility and provide access to future commercial and industrial lands. Road/pipeline work is scheduled for completion by the fall of 2018.

## 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 for 2016.

### Active Procurements

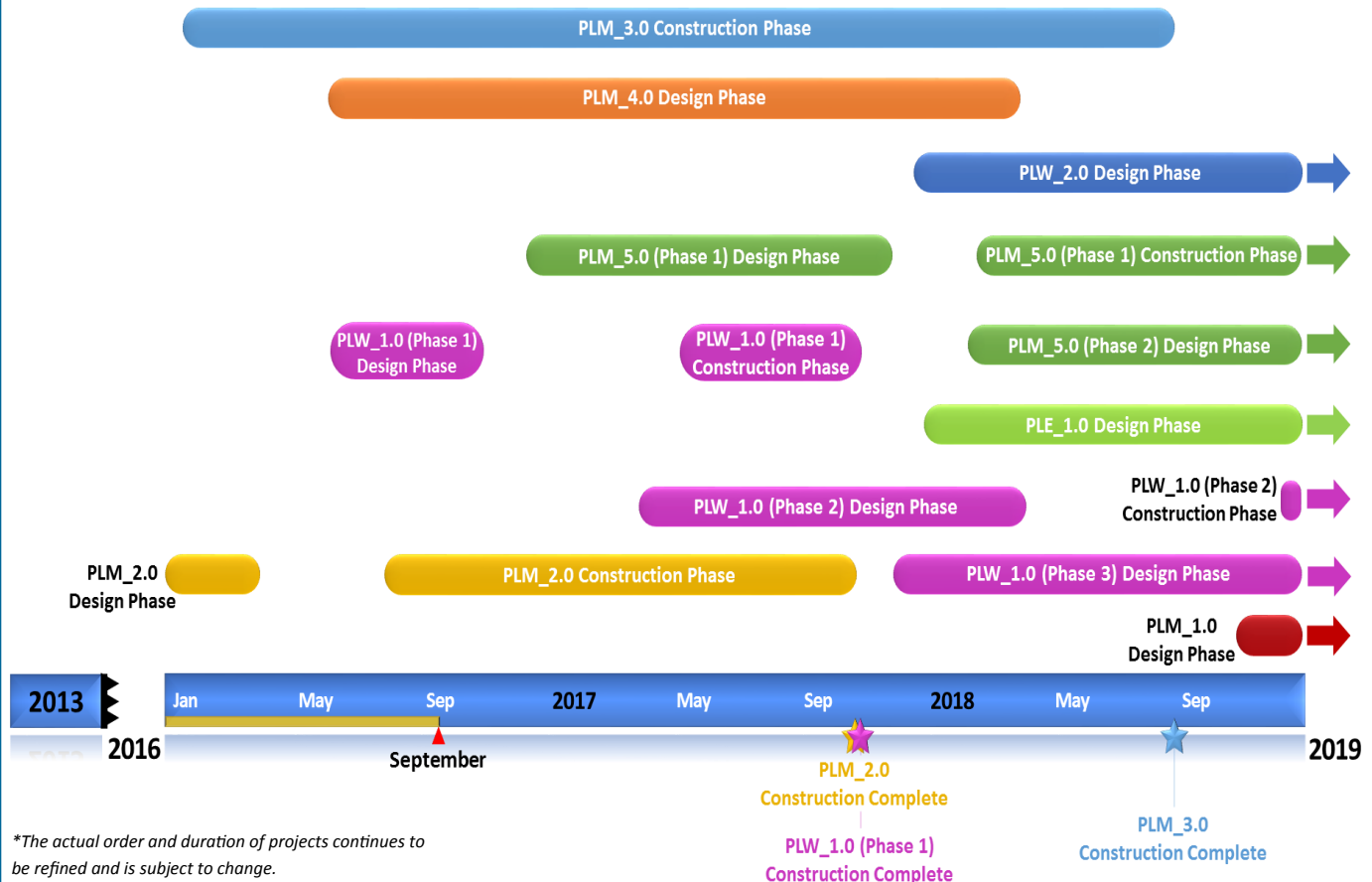
- South Hillsboro Area Pipeline Project (PLW\_1.0, Phase 1) Invitation to Bid for pipeline material
- Request for Qualifications (RFQ) for pipeline construction contractors

### Upcoming Events & Procurements

- South Hillsboro Area Pipeline Project (PLW\_1.0, Phase 1) Invitation to Bid for pipeline construction contractor (Quarter 4, 2016)
- Request for Proposal (RFP) for land surveying support services (Quarter 4, 2016)

## Schedule Summary

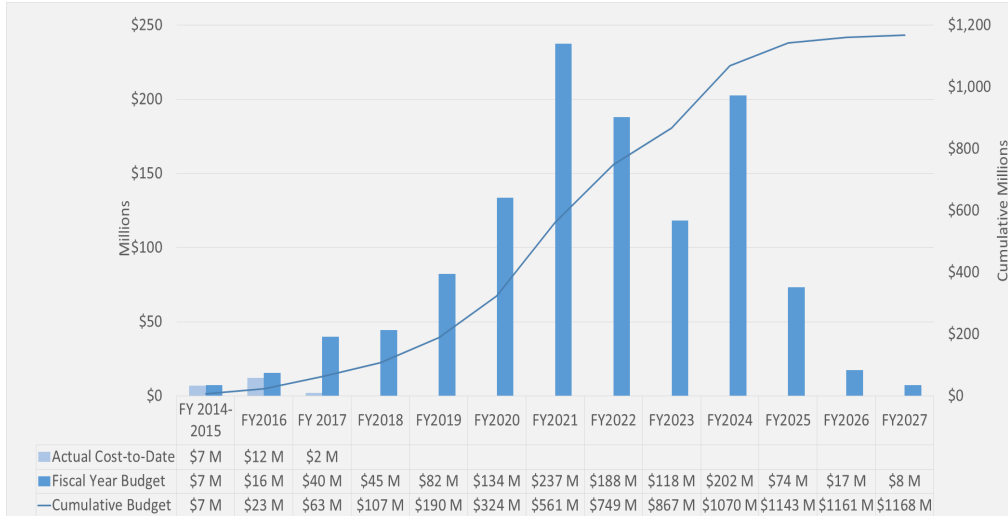
Work on the WWSP design and planning began in 2013; the WWSP is expected to be in service by July 2026. Below are the major milestones and activities completed and forecasted from 2016-2019\*. The water supply team is committed to on-time delivery. See page 4 for descriptions of the referenced projects 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 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.



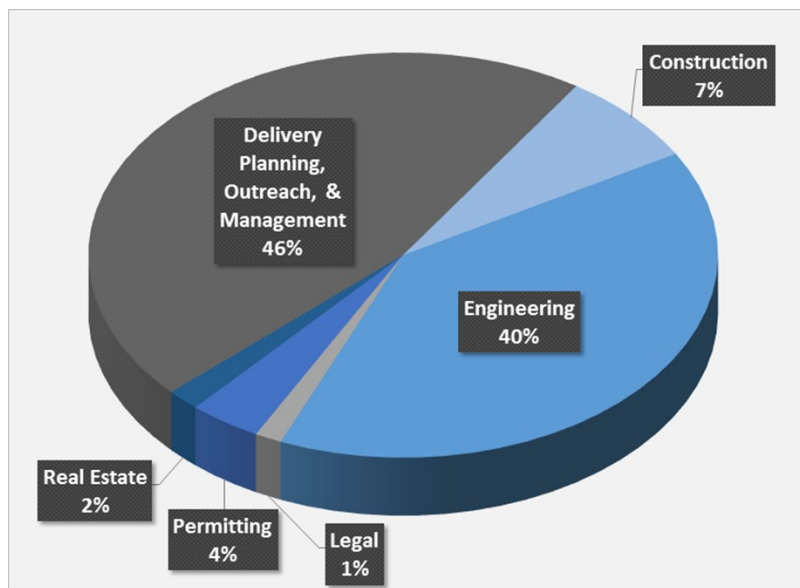
Forecasted costs for FY 2017 are \$40 million. Cumulative costs are projected to be \$63 million through the end of FY 2017.

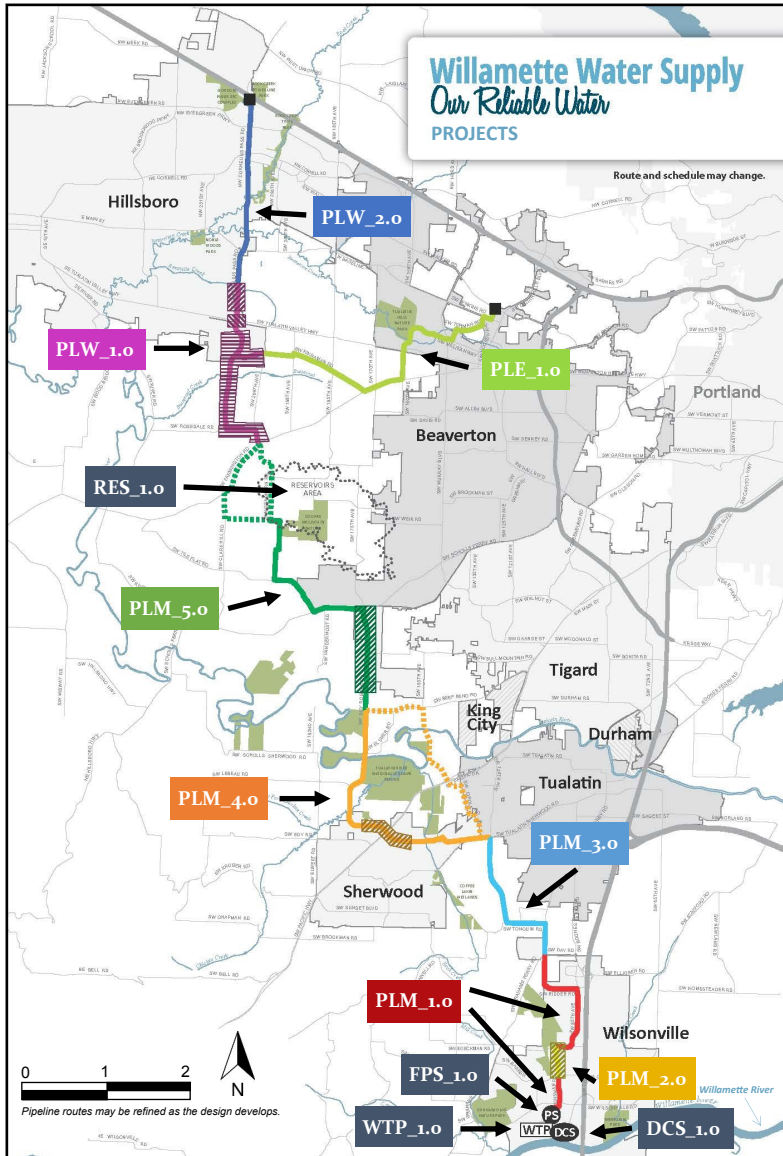
\*Data continues to be refined and is subject to change.

## Cumulative Cost Summary

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

**Cumulative cost to date is approximately \$21 million, with the majority spent on planning, engineering, and construction activities.**





**Willamette Water Supply**  
*Our Reliable Water*  
**PROJECTS**

**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:* 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)

**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: 10/2017)

**PLM\_1.0 Wilsonville Area Pipeline Project**  
(WTP to Day Road)

*Description:* 3.0-mile water pipeline from Willamette River Water Treatment Plant 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](http://www.ourreliablewater.org) or call 503.941.4570. This is a monthly progress report. Previous reports can be found at the WWSP website.