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 December 2020

Major Accomplishments in 2020

Willamette Water Supply Program (WWSP) staff are proud of sustaining momentum during this unprecedented year, driving design projects toward completion and progressing construction while championing the latest health and safety standards. Our strong partnerships and support of the communities we work in are critical to the WWSP's continued success. Due to this collective effort, the seismically resilient water supply pipeline, water treatment plant, and water storage tanks remain on schedule for completion in 2026. Below are a few of the major accomplishments from 2020 (see page 4 for project details):

- On schedule to complete two construction projects: PLM_1.1 and PLM_5.2.
- Substantial progress on two construction projects: PLM_1.2 and PLM_5.1.
- Began and progressed construction of two projects: PLW_1.3 and RWF_1.0.
- Advanced design on 11 pipeline projects, as well as WTP_1.0, RES_1.0, and DCS_1.0.
- Renegotiated Water Infrastructure Finance and Innovation Act (WIFIA) loans to take advantage of historically low interest rates.
- Obtained land use approval to construct the WTP_1.0 in the City of Sherwood.
- Continued to support regional economy with targeted efforts to involve local businesses.
- Convened Blue Ribbon Panel of industry experts to provide feedback on Program's water integration efforts.
- Continued community outreach through online events and other education efforts.

PLM_5.2 pipe installation "fly in"

PLM_5.1 beginning of trenchless bore in jacking pit

Raw Water Facility upper site activities

Procurement & Business Opportunities

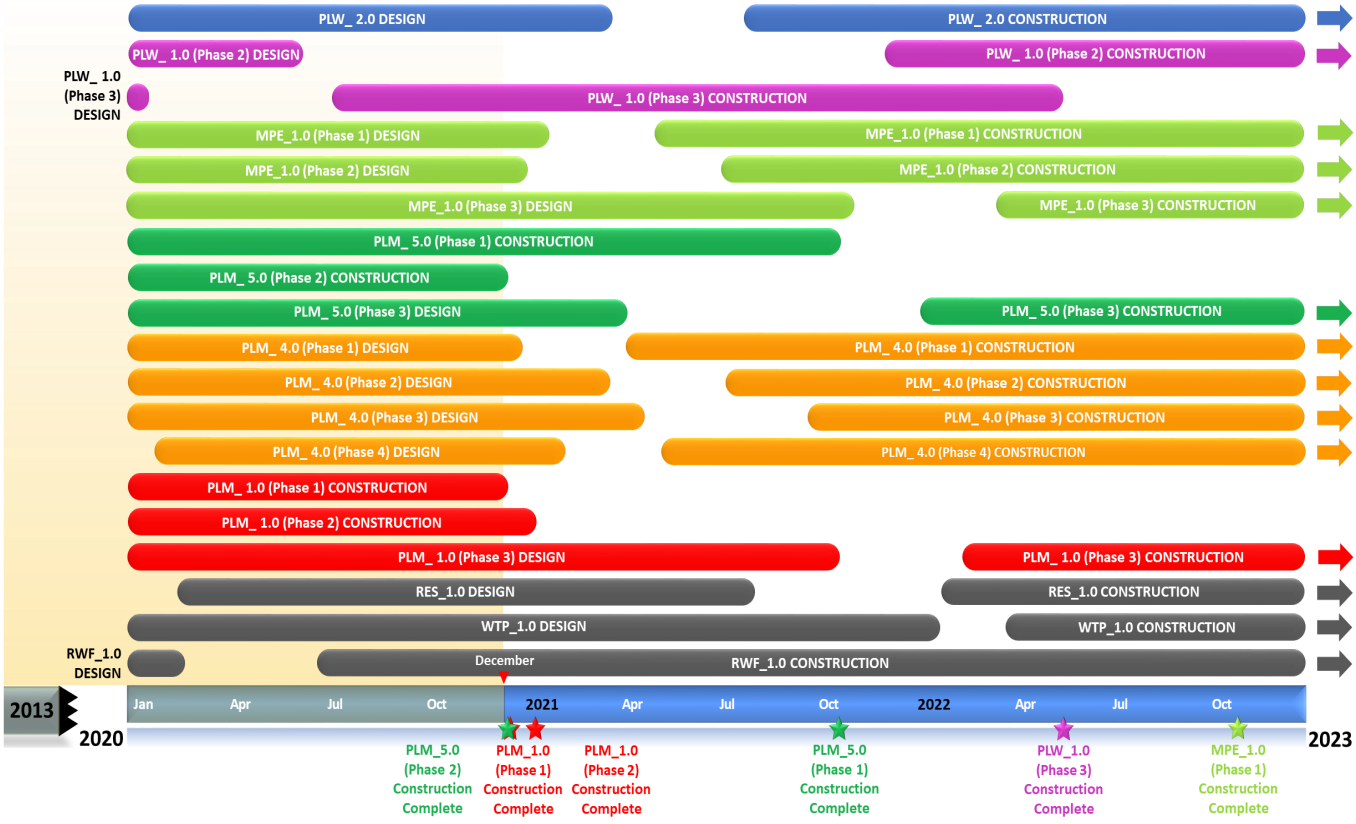
The WWSP staff are preparing for several upcoming professional services and construction contractor procurements. Listed below are active procurements and upcoming events and procurements. Procurement opportunities are also published at http://www.ourreliablewater.org/business-opportunities.

Upcoming Procurements

- MPE_1.1 Invitation to Bid (ITB) for Construction by City of Beaverton (Quarter 1, 2021)
- PLM_4.1 ITB for Construction by Washington County (Quarter 1, 2021)
- MPE_1.2 Request for Proposal (RFP) for Construction (Quarter 1, 2021)
- PLW_2.0 RFP for Construction (Quarter 2, 2021)
- PLM_4.4 ITB for Construction by Washington County (Quarter 2, 2021)
- PLM_4.2 ITB for Construction by Washington County (Quarter 2, 2021)
- PLM_4.3 RFP for Construction (Quarter 2, 2021)

Schedule Summary

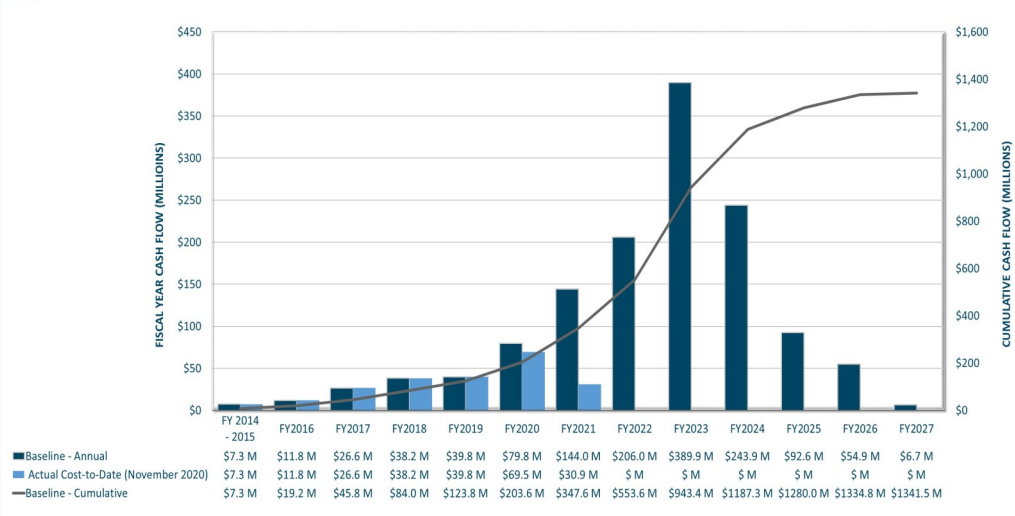
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2020 to 2023*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



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.



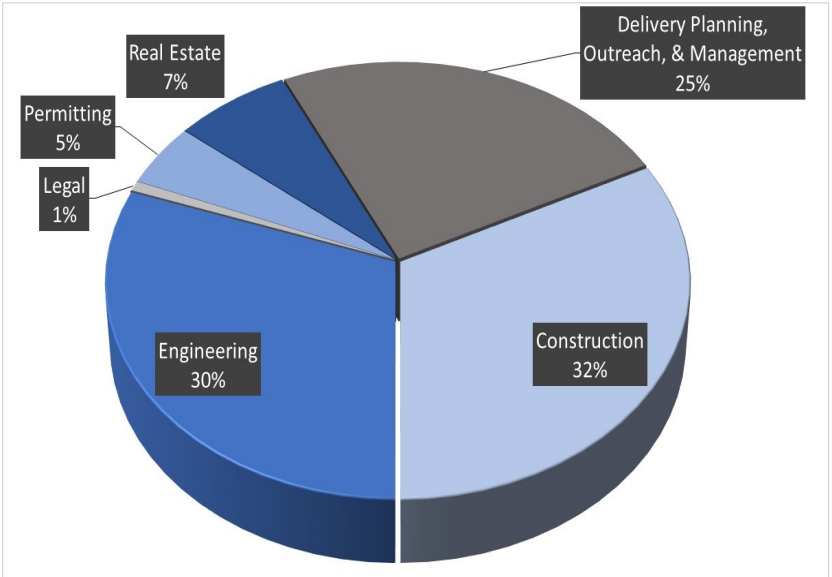
Costs to date for FY 2021 are $31 million. Cumulative costs are projected to be $337 million through the end of FY 2021.

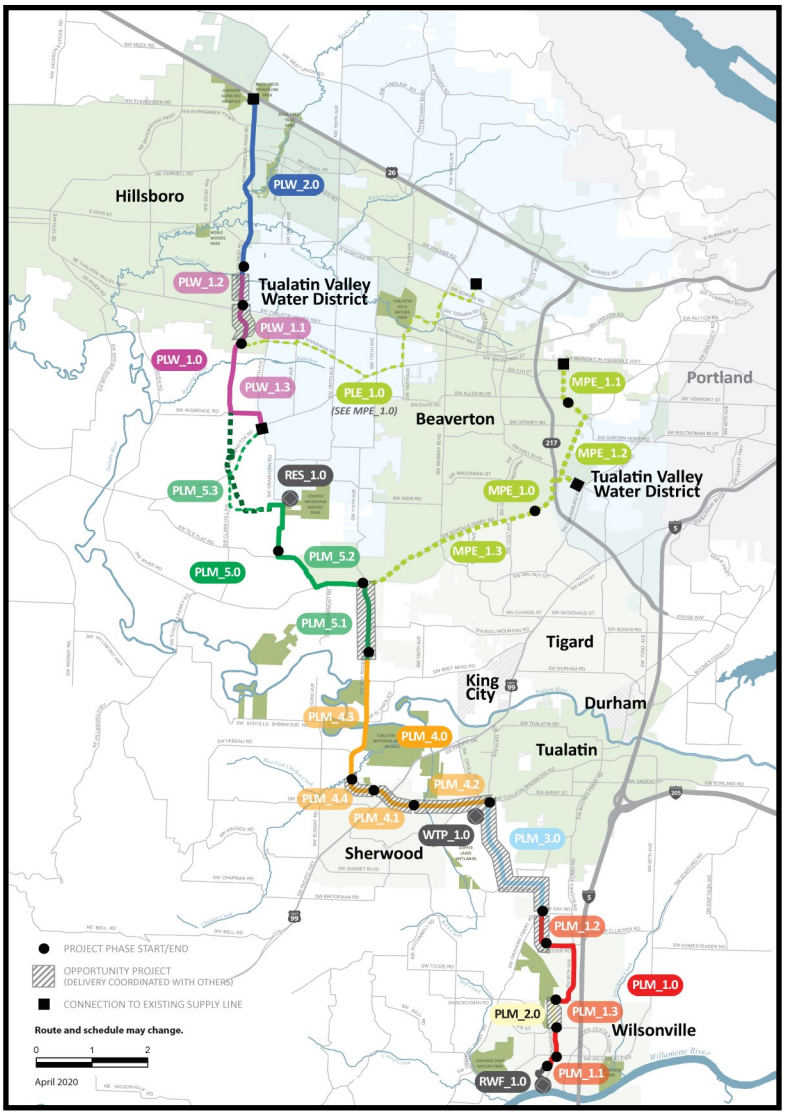
Data continues to be refined and is subject to change.

Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through November 2020.

Cumulative Water Supply Program costs to date are approximately $224 million, with the majority spent on planning, engineering, construction, and real estate activities.





WTP_1.0 **Willamette Water Supply System Water Treatment Plant**
(Water Treatment Plant (WTP))

FPS_1.0

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.

DCS_1.0

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 or call 503.941.4570.

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; 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; Phase 2: Design; 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; 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

For additional schedule information, go to page 3 of this report, or www.ourreliablewater.org.