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 June 2021

WWSP Habitat Restoration Project

The Willamette Water Supply Program (WWSP) is committed to environmental stewardship and minimizing impacts to wildlife and wildlife habitats disrupted by construction activities. In addition to avoiding, minimizing, and mitigating impacts associated with constructing and operating the Willamette Water Supply System (WWSS), the WWSP is supporting the **Chicken Creek Habitat Project**. Support of this project demonstrates the WWSS Commission's commitment to environmental stewardship within our watersheds and communities, and promotes lasting partnerships with area stakeholders.

The **Chicken Creek Habitat Project** is a partnership between WWSP and the Friends of the Tualatin River National Wildlife Refuge. The purpose of this project is to assist in restoring aquatic and riparian habitat along the historic Chicken Creek channel of the Tualatin River Wildlife Refuge, which is managed by the U.S. Fish and Wildlife Service. This project will restore the lower reach of Chicken Creek to a pre-development alignment through its former floodplain, as well as restore its associated floodplain wetlands. By realigning Chicken Creek to a more natural meander through its historic floodplain and eliminating an existing levee and other water management infrastructure, more natural floodplain processes will be restored to 2 miles of stream channel and 280 acres of floodplain. These improvements will benefit native aquatic and wetland flora and fauna, as well as reduce sediment and nutrient inputs to the Tualatin River.

Cost Management Actions

During the annual budget update, several cost management measures were implemented to keep the WWSP on time and on budget:

- Deferring construction of one of two 15-million-gallon water storage tanks until 2035
- Deferring construction of some pipeline sections for PLW_2.0 Cornelius Pass Road until 2029
- Deferring minor elements of the WTP_1.0 that are not critical to initial operations of the WWSS, such as an equipment storage building and purchasing equipment for redundant backup power generation

Chicken Creek pre-restoration

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

- PLM_4.4 Invitation to Bid (ITB) for Construction* (Quarter 3, 2021)
- RES_1.0/PLM_5.3 Guaranteed Maximum Price (GMP) for Construction (Quarter 3, 2021)
- WTP_1.0 GMP for Construction (Quarter 3, 2021)

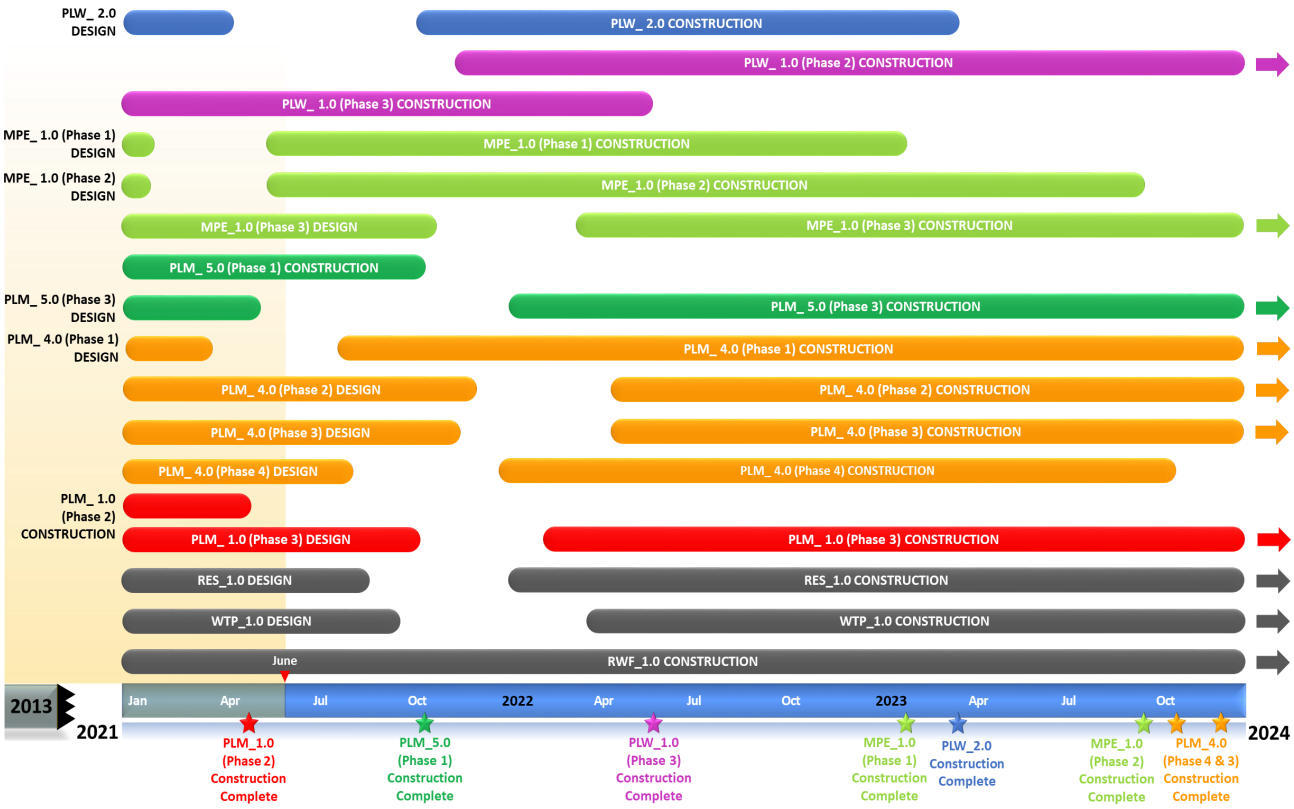
Upcoming Procurements

- MPE_1.3 Request for Proposal (RFP) for Construction (Quarter 4, 2021)
- PLM_1.3 RFP for Construction (Quarter 4, 2021)
- PLW_1.2 ITB for Construction* (Quarter 4, 2021)
- PLM_4.3 RFP for Construction (Quarter 4, 2021)

*by Washington County

Schedule Summary

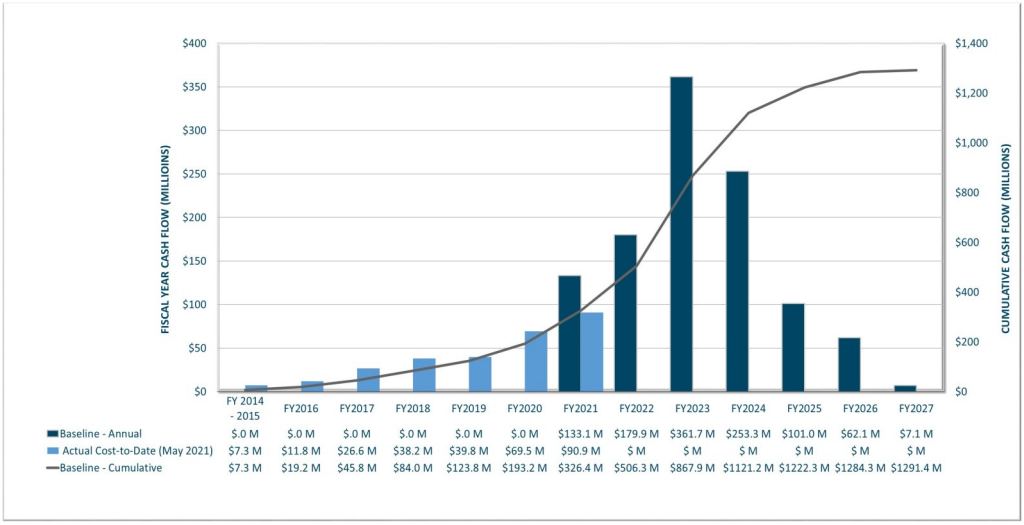
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2021 to 2024*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



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.



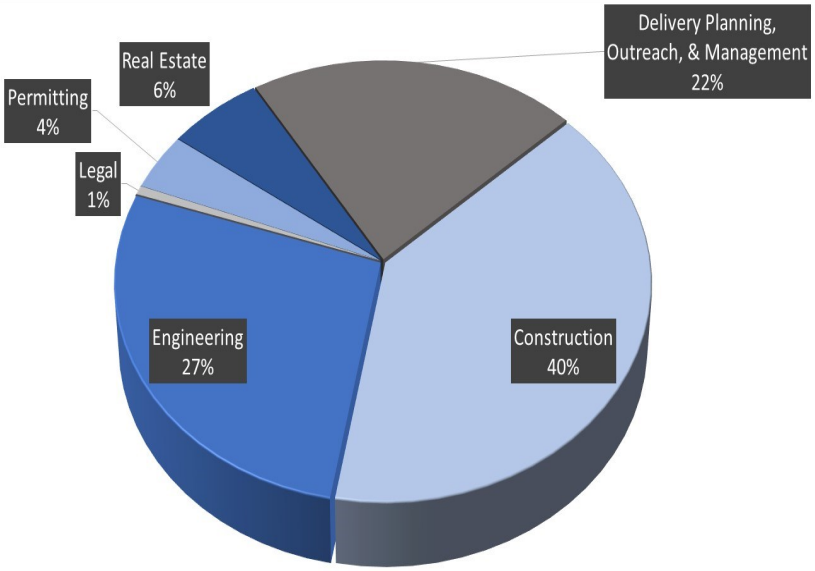
Costs to date for FY 2021 are $91 million. Cumulative costs are projected to be $326 million through the end of FY 2021.

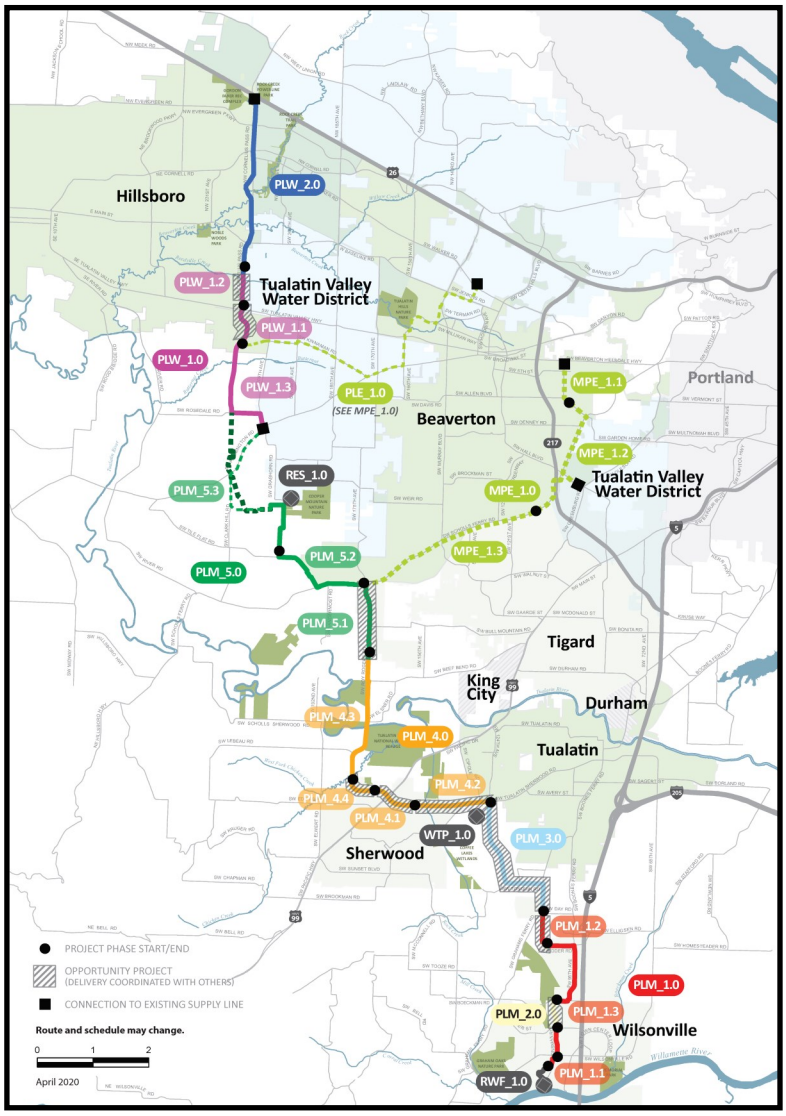
Current program forecast at completion may vary from baseline cumulative budget due to interim approved changes.

Cumulative Cost Summary

WWSP cumulative costs are tracked and updated monthly. The chart below summarizes the distribution of cumulative costs through May 2021.

Cumulative Water Supply Program costs to date are approximately $284 million, with the majority spent on planning, engineering, and construction.





WTP_1.0 **FPS_1.0** **DCS_1.0**

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 in Sherwood.

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 (a portion deferred until 2029)

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 Complete; 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: Construction; Phase 2: Construction; Phase 3: Design

RES_1.0

South Beaverton Area Water Storage Tanks (Storage Tanks)

Description: One 15-million gallon storage tank 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: Construction; 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.