

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 own, operate, manage and maintain the WWSS. 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 July 2023

Construction Progresses on Raw Water Facility

The Raw Water Facility (RWF_1.0) expands the existing raw water pump station and intake infrastructure at the Willamette River Water Treatment Plant in Wilsonville to support the new Willamette Water Supply System. The project also includes a new electrical building at the Upper Site, the area north of Arrowhead Creek Lane, to expand pumping capacity. The expansion will result in an initial system capacity of 60 million gallons per day. Major project elements include new vertical turbine pumps with variable frequency drives, electrical facilities, water surge protection, backup power, 66-inch raw water pipeline, and seismic improvements. Construction of the final phase of RWF_1.0 began in fall 2022 and is anticipated to complete by December 2024.



Upper Site electrical building south and west wall final CMU construction

RWF Summer 2023 Progress Update

Construction activities continue to increase at the Upper Site. Recent work includes:

- Construction of walls for the new electrical building. The concrete masonry unit (CMU) block has been placed for approximately half of the building, including openings for the doors, windows, and heating, ventilation, and air conditioning HVAC.
- Coordination and detailed planning for the roof members and roof decking.
- Electrical work for the yard lighting, front gate, fiber optic cable duct banks, and conduits along a berm at the site's western edge.
- Pouring of the transformer slab after back-filling with aggregate material.
- Construction of the perimeter wall, between the Morey's Lane path and the newly constructed berm to the east. Excavation has also begun for the perimeter wall footing along a berm at the site's southern edge and east side of the property.
- Start-up and commissioning planning.



West wall of the RWF upper site electrical building with loading doors framed out



RWF concrete pads that will support the HVAC units at the Upper Site

Project of the Month

The WWSP is well underway with all projects currently in the construction phase or complete. The photos below highlight a phase of the Scholls Ferry Area Pipeline project (PLM_5.3). Additional information on the project is available at <https://www.ourreliablewater.org/scholls-area-pipeline-project/>.



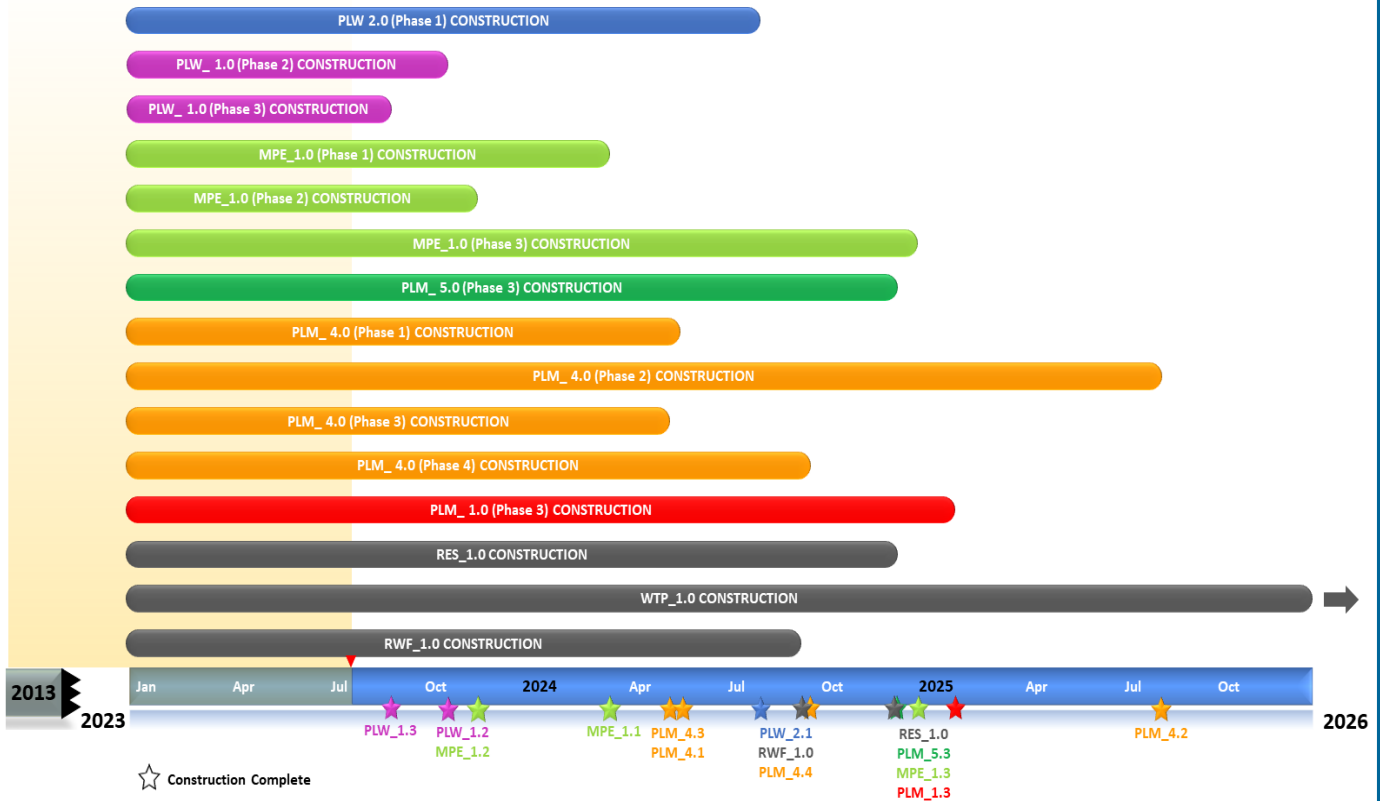
Permanent access road installation north of Greenslope Road



66-inch waterline installation north of Farmington Road

Schedule Summary

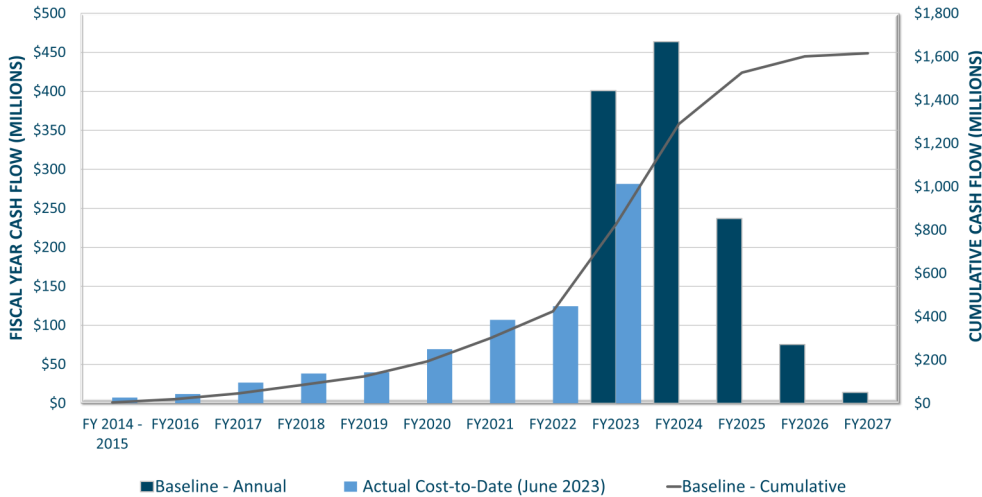
WWSP design and planning began in 2013; the Willamette Water Supply System is expected to be in service by July 2026. Below are the major milestones and activities forecasted from 2023 to 2026*. The WWSP team is committed to on-time delivery. See page 4 for descriptions of the projects referenced below.



*The actual 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 \$1.6 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 2023 are \$281 million. Cumulative costs are projected to be \$706 million through the end of FY 2023.

*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 June 2023.

Cumulative Water Supply Program costs to date are approximately \$705.9 million, with the majority spent on planning, engineering, and construction.

