

PORTLAND WATER BUREAU

BULL RUN TREATMENT PROJECTS



QUARTERLY REPORT

April 9, 2019

BACKGROUND

Over the next 9 years, the Portland Water Bureau will be making two major treatment changes to the Bull Run supply:

1. **Improved Corrosion Control Treatment (ICCT):** On May 5, 2017, the Oregon Health Authority-Drinking Water Services (OHA) approved the Portland Water Bureau's (PWB) modified schedule to implement improved corrosion control treatment. The approved schedule includes multiple phases and milestones over a period of five (5) years. The improved corrosion control treatment facility must be on-line by April 30, 2022. The total project budget is estimated at \$20 million.
2. **Bull Run Filtration:** In August 2017, the Portland City Council voted to build a water filtration treatment facility to meet the treatment requirements for *Cryptosporidium*. On December 18, 2017, Oregon Health Authority (OHA) and Portland Water Bureau (PWB) signed a bilateral compliance agreement that laid out a schedule for construction of a new filtration treatment system on the Bull Run Supply by September 30, 2027. The approved filtration schedule includes three primary phases – Planning, Design, and Construction. The project budget in the Capital Improvement Program (CIP) is \$500 million.

These two treatment projects are inextricably linked and are considered part of the larger Bull Run Treatment Projects. PWB is committed to reducing lead at customer taps and meeting OHA's schedule for providing improved corrosion control treatment by April 30, 2022. The commitment to reducing lead at customer taps will continue as PWB implements a new filtration treatment system on the Bull Run Supply by September 30, 2027. Improved corrosion control will also be part of the filtration treatment system and will require construction of new corrosion control facilities. PWB will work with the contractors for the Bull Run Filtration Project to evaluate the best value alternatives for ensuring improved corrosion control into the future.

PROJECT ACTIVITIES: JANUARY – MARCH 2019

Improved Corrosion Control Treatment:

- Reviewed Stantec Consulting Services' 30% design package.
- Advertised the Request for Proposals (RFP) for a Construction Manager/ General Contractor (CM/GC) and issued a Notice of Intent to Award the contract to MWH Constructors.
- Finalized the Land Use Review application which is scheduled to be submitted to Multnomah County on April 1, 2019.

- Identified easement revisions and property acquisition needed for the project.
- Held an informational meeting for neighbors around the project site.
- Completed a geotechnical evaluation of the project site.

Bull Run Filtration:

- Continued Project Definition work. This includes preliminary project characterization such as, but not limited to, initial site plan, treatment processes, and performing a geotechnical baseline study.
- Continued planning for the pilot study and developing the pilot study plan. The study will be used to determine an optimized treatment process for the Bull Run.
- Submitted permit applications for the pilot plant installation, began preparing for delivery of the pilot plant, which is scheduled for early May, and began pilot plant training activities.
- Continued to set up project controls and standards for project management. This included setting up and training staff to use a Project Management Information System (PMIS).
- Held several focus groups in February and March 2019, including a low-income focus group.
- Held an informational meeting for neighbors that may be impacted by raw water piping to the filtration plant site.
- Advertised the Design Services RFP in late January and received proposals on February 28, 2019.
- Began reviewing the Design Services proposals and preparing ordinance documents for City Council consideration of the associated contract.
- Began drafting the CM/GC RFP for the water treatment facility.
- Began drafting the initial Project Definition Report.
- Began drafting the Project Management Plan.

PLANNED ACTIVITIES: APRIL – JUNE 2019

Improved Corrosion Control Treatment:

- Finalize CM/GC contract for design phase services and hold a CM/GC kick-off meeting.
- Begin work on the 60% design package.
- Submit Land Use Review application to Multnomah County.
- Continue work on easement revisions and property acquisition needed for the project.

Bull Run Filtration:

- Finalize the pilot study plan and begin the pilot study.
- Obtain permits for installation of the pilot plant.
- Continue Project Definition work.
- Continue to set up project controls and standards.
- Award the Design Services contract and continue to prepare ordinance documents for City Council’s consideration of the associated contract.
- Continue drafting and finalize the CM/GC RFP for the water treatment facility.
- Continue drafting the initial Project Definition Report.
- Continue drafting the Project Management Plan.
- Continue neighbor outreach.

BUDGET

Improved Corrosion Control Treatment: The total budget for the project is \$20 million. The budget and year to date (YTD) spending for fiscal year 2018-19 and the total project are shown below. The project is under budget for this fiscal year.

	Budget	YTD Spending
FY 2018-19	\$1,702,000 (\$1,820,000 with contingency)	\$781,000
Total Project Budget	\$16,239,000 (\$20,000,000 with contingency)	\$1,103,000

Bull Run Filtration: The project budget in the Capital Improvement Program (CIP) is \$500 million. The budget and YTD spending for fiscal year 2018-19 and the total project are shown below. The project is on budget.

	Budget	YTD Spending
FY 2018-19	\$6,400,000 (\$7,342,000 with contingency)	\$4,269,000
Total Project Budget	\$460,000,000 (\$500,000,000 with contingency)	\$5,202,000

SCHEDULE

Improved Corrosion Control Treatment: PWB is on schedule to meet project milestones in the next quarter.

Bull Run Filtration: PWB is on schedule to meet project milestones in the next quarter.

