

PORTLAND WATER BUREAU

BULL RUN TREATMENT PROJECTS



QUARTERLY REPORT

October 11, 2018

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 \$20,000,000.
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 total project budget is anticipated to be between \$350-500 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: JULY – SEPTEMBER 2018

Improved Corrosion Control Treatment:

- Confluence Engineering Group finalized work on the Corrosion Control Treatment Pilot.
- PWB submitted the pilot study report and treatment recommendation to OHA on July 30, 2018.
- Stantec Consulting Services and PWB continued finalizing the Basis of Design Report (BDR) and began work on the 30% design.

- PWB continued work on the Request for Proposals (RFP) for a Construction Manager General Contractor (CM/GC).

Bull Run Filtration:

- PWB participated in a City Council work session August 14, 2018 to present on the four key decisions: delivery method, capacity, site selection and technology choice.
- On August 29, 2018 City Council approved two ordinances; 1) Ordinance authorizing a PTE contract for Program Management and Support Services; 2) Ordinance authorizing exemption from the competitive bid requirements to use an alternative contracting method.
- PWB began contract negotiations with Brown and Caldwell (B&C) for the Program Management and Support Services.
- The Project Team and B&C began preliminary planning for the pilot study.
- PWB continued work on the design services RFP.
- PWB began planning for a community outreach event from 6-7:30 pm on November 8, 2018 at the Immigrant and Refugee Community Organization (IRCO) 10301 NE Glisan St. in East Portland.

PLANNED ACTIVITIES: OCTOBER – DECEMBER 2018

Improved Corrosion Control Treatment:

- Stantec Consulting Services and PWB will continue work on the 30% design
- PWB plans to advertise the CM/GC RFP in November and receive proposals in December.

Bull Run Filtration:

- PWB to finalize and execute a contract with B&C for the Program Management and Support Services.
- PWB to host community outreach event on November 8, 2018.
- PWB to submit a Report to Council to document the four key decisions in December 2018.
- PWB will finalize and advertise the design services RFP.
- PWB will begin negotiations of the design services contract and prepare ordinance documents for City Council consideration of the associated contract.
- PWB and consultants will purchase pilot equipment and develop the pilot study plan. This work will expand on the treatment technology selected in the filtration technology decision workshop. The pilot study will evaluate specific treatment processes and technologies, including pre-treatment and post-treatment, using Bull Run water. The study will be used to determine an optimized treatment process for the Bull Run.
- Project Definition will begin. This includes preliminary project characterization such as, but not limited to, initial site plan, treatment processes, and performing a geotechnical baseline study.
- PWB will set up project controls and initiate standards to be used throughout the life of the project. This includes identifying CAD, communications, specifications, and QA/QC standards.

BUDGET

Improved Corrosion Control Treatment: The total budget for the project is \$20,000,000. The budget and year to date (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	\$1,820,000	\$145,270
Total Project Budget	\$20,000,000	\$467,402

Bull Run Filtration: The total budget for the project is \$350-500 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	\$5,590,000	\$217,904
Total Project Budget	\$500,000,000	\$1,151,146

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.

