

PORTLAND WATER BUREAU



BULL RUN FILTRATION PROJECT QUARTERLY REPORT

APRIL 20, 2018

PROJECT BACKGROUND

On December 18, 2017 the Oregon Health Authority-Drinking Water Services (OHA) and the 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. It will take approximately 10 years until the treatment facility is operational. The total project budget is anticipated to be between \$350-500 million.

CURRENT PHASE

The Planning phase is anticipated to take three years (2017-2020) and consists of the following tasks:

- Pre-planning: Identify project variables, risks, and challenges. Conduct studies and analysis to inform decisions.
- Planning: Work with the consultant program manager to confirm primary project components and evaluate ways to mitigate project risk.
- Pre-Design: Conduct work to narrow project scope and parameters.

The project is currently in the Pre-planning task. During this task, work on the evaluation of four key decisions for the treatment system will be conducted. These decisions are:

- Filtration technology/methodology
- Capacity of the treatment plant
- Location of the facility
- Contracting delivery method

QUARTER 1 ACTIVITIES

- The Water Bureau continued work on the request for proposals (RFP) for Program Management and Support Services. This is a 5-year (with option to extend 5-years) contract to support the Bureau's management of the technical development of the program. Tasks include, but are not limited to, geotechnical evaluations, pilot testing of treatment systems, planning, assistance during design, and assistance during construction.

- The RFP was advertised on February 16, 2018 and three proposals were received on March 12, 2018. After evaluation of the proposals, the Water Bureau is moving forward with interviews of all three project teams. The goal is to have the program management team on board in the third quarter of 2018.
- Barney & Worth conducted stakeholder interviews and integrated results into the decision-making framework. A public on-line survey was launched in late March 2018 and has received over 1300 responses to date. The Water Bureau published a Bull Run Treatment website.
- HDR and their sub-contractors conducted a geotechnical assessment of a PWB-owned site in rural Multnomah County.
- Jacobs Engineers worked with PWB to develop a decision-making framework. The Water Bureau evaluated alternative procurement methods for the project and selected the Construction Manager General Contractor (CM/GC) procurement method. This is the first key decision as part of the pre-planning phase. The goal is to have the CM/GC on board in the first quarter of 2020.
- The Water Bureau began development of a RFP for treatment plant design services with a goal of having the design team on board in the second quarter of 2019.

NEXT QUARTER PLANNED ACTIVITIES

Public Engagement: Prepare, implement and analyze results of public survey; continually update website; respond to questions from public and stakeholders; respond to requests for interviews and presentations.

Project Management: Complete interviews of the qualified teams and select the most qualified team. PWB will enter contract negotiations with the selected team.

Pre-Planning Task: PWB will continue work and during the next three months to decide on answers to the three remaining key decisions. These decisions will form the basis for the alternative(s) that will be further vetted during the planning task.

Treatment Plant Capacity: The Project Team is evaluating future operations of Portland's drinking water supplies and projected demands to determine the treatment capacity appropriate for the City's needs. A Decision Workshop is scheduled for April 2018 to select a preferred treatment plant capacity.

Facility Location: The Project Team and Consultants have been evaluating potential sites for the treatment plant. A Decision Workshop is scheduled for May 2018 to select a preferred site for the treatment plant.

Filtration Technology: The Project Team is educating itself on the various filtration technologies, reaching out to similar utilities to learn from their experiences, and attended training events to prepare for making a filtration technology decision. A Decision Workshop is scheduled for June 2018 to select a preferred filtration technology.

Design: PWB will continue work on the RFP for treatment plant design services. PWB will begin development of documents for Construction Contractor solicitation for Council approval.

BUDGET

The total budget for the project is \$350-500 million.

| | <i>Total Budget</i> | <i>YTD Spending</i> |
|--------------------|----------------------------|----------------------------|
| Pre-planning phase | \$910,000 | \$384,000 |