



STAFF REPORT

Meeting Type: City Council
Meeting Date: December 4, 2023
From: Jenny Coker, Public Works Director
AJ Thorne, Assistant Public Works Director
Subject: Contract Approval: Design for Portland to Sandy Water Filtration Plant Transmission System

DECISION TO BE MADE:

Whether to authorize the City Manager to execute a contract with Consor Engineers for engineering design services for the Portland to Sandy Water Filtration Plant Transmission System.

BACKGROUND / CONTEXT:

The City of Sandy Water Master Plan was adopted by Council into the City Comprehensive Plan on April 3, 2023. Key next steps for delivering the Drinking Water Reinvestment Program include meeting the Bilateral Compliance Agreement for treatment of cryptosporidium by September 30, 2027, hiring a program manager, securing debt financing, and selecting a design engineering for the Pump Station and Pipeline Design. The City hired Stantec as the program manager at the February 6, 2023 Council Meeting. The City was awarded \$7M from the Business Oregon Special Public Works Fund in April of 2023, and the City executed this loan at the June 20, 2023 Council Meeting.

The purpose of this contract is to provide engineering design services to construct a new pump station and transmission pipeline to convey filtered, treated water from the Bull Run watershed/Portland Filtration Plant to the City of Sandy. Sandy has used the Bull Run water source from the Portland Water Bureau to provide key supplemental water to the City since 2013. The City is unable to meet our water demands with only the Alder Creek and Brownell Springs sources. In addition, this pipeline connection will provide access to the Columbia Wellfield groundwater source, which will be used in times of drought or other emergencies such as wildfire.

Additional work to be completed includes securing construction financing, completing Intergovernmental Agreements with Portland Water Bureau, and executing the new 30-year wholesale water agreement.

KEY CONSIDERATIONS / ANALYSIS:

The City is working to make up time on the schedule established by the Environmental Protection Agency and Oregon Health Authority for the Bilateral Compliance Agreement for the treatment of cryptosporidium. Per the schedule, the City is to start construction by July 31, 2024 and the construction must be completed by September 30, 2027. The completion date is the most important.

City staff and the program team have been working to gain time by authorizing contracts to perform surveying, environmental, and geotechnical investigations of the pipeline route this summer for the design consulting team.

Negotiations are in process with Portland Water Bureau for some collaboration of infrastructure assets. The current understanding is that Portland will lease Sandy land at the filtration plant for the pump station. Portland will install, own and maintain all on site piping. This will include the connection from Portland's filtered water supply to our pump station, and the connection from Sandy's pump station to Bluff Road, where our transmission main will connect. The City will own and operate a pump station and then a shorter transmission main. Due to complexities of construction and land use, it is most likely that the project will be bid in two phases – phase 1 will be the pipeline, and phase 2 will be the pump station.

Due to the schedule driver to begin design, staff plans to return to Council for a future amendment to add services during construction, once the construction timing has been further developed for the pump station with Portland Water Bureau.

PROPOSALS RECEIVED:

Because of the nature of the project, the City was required to use a qualification based selection process rather than a RFP process. Three engineering firms responded to the City's request for qualifications. Submissions were evaluated and ranked by City staff and by the program management team, Stantec. After conducting follow-up interviews, it was determined that Consor was the best fit for the project due to their knowledge of the City of Sandy system, superb references for similar projects, and their working relationships with the Portland Water Bureau and other water systems in Multnomah and Clackamas County. Consor completed the City's Water Master Plan, assisted with applying for Drinking Water State Revolving Fund financing, and has been retained as an advisor for the new 30-year Wholesale Water Agreement negotiations with Portland Water Bureau.

BUDGET IMPACT:

This project was identified in the water utility capital appropriations for the BN 23-25 budget and is financed from a Business Oregon Special Public Works Fund loan at a below market interest rate of 1.54%. Repayment will be made from water rate revenues and is included in the water rate model.

Staff will seek a design amendment at a future date, once the consultant services during construction fees are determined.

RECOMMENDATION:

Authorize the City Manager to execute a contract with Consor for the design of the Portland to Sandy Water Filtration Plant Transmission System in the amount of \$3,602,169.

SUGGESTED MOTION LANGUAGE:

"I move to authorize the City Manager to execute a contract with Consor Engineers for engineering design services for the Portland to Sandy Water Filtration Plant Transmission System, in an amount not to exceed \$3,602,169."

LIST OF ATTACHMENTS / EXHIBITS:

- Scope of work
- Fee Schedule
- Example Contract
- Pipeline Map