

IMPACT STATEMENT

Date: December 9, 2016

Council Date: January 18, 2017

Legislation Title: Authorize a contract with Pure Technologies U.S. Inc. not to exceed \$3,610,710 for the Bull Run Supply Conduits (Ordinance)

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Presenter Name: David Peters, P.E.

Purpose of proposed legislation and background information:

The purpose of this legislation is to authorize a Professional, Technical and Expert (PTE) contract with Pure Technologies U.S. Inc. to gain a better understanding of the existing condition of Portland Water Bureau's three large diameter steel water mains (conduits) that transport water from the Bull Run Watershed to in-town reservoirs by using the latest methods of internal (worker entry) visual inspection and by applying non-destructive examination technologies. This Project will not only gather condition assessment information on the conduits but will also provide remaining service life analyses and options for corrective actions.

Conduits 2 and 3, installed in 1911 and 1925 respectively, are reaching the end of their useful service lives. The Water Bureau requires a comprehensive assessment of the conduits so future rehabilitation and replacement options can be identified. In 2015, the Water Bureau completed the Conduits Rehabilitation Plan. This plan outlined a series of steps for assessing the condition of the conduits. The contract will provide for the condition assessments outlined in the rehabilitation plan. The Water Bureau does not have the trained personnel necessary to complete the assessments in a comprehensive way.

A formal Request for Proposal was conducted (RFP 00000363) in accordance with Chapter 5.68 of the Code of the City of Portland and five responsive proposals were received. An evaluation committee selected Pure Technologies U.S. Inc. as the most qualified and responsive proposer. A notice of intent to negotiate and award a contract was posted to the City of Portland BuySpeed on October 14, 2016.

The work performed by Pure Technologies U.S. Inc. will involve a series of condition surveys of sections of each conduit, followed by data analysis and reporting on the findings. A majority of the work will be self-performed or performed by the consultant's subcontractors. Pure

Technologies U.S. Inc. and their subconsultants each possess the required expertise and equipment necessary to do a comprehensive condition assessment of the conduit supply system.

Financial and budgetary impacts:

The contract term is approximately four years. The not-to-exceed amount of the contract is \$3,610,710 with a moderate confidence level. Funding for services required under the contract have been approved in the FY 2016-17 Budget and will be requested in the FY 2017-18 through 2019-20 Budgets.

Over \$1,100,000 has been requested for Conduit and Transmission Mains program for FY 2016-17.

Community impacts and community involvement:

The proposed legislation maintains the community interest by keeping the conduits that transport water from the Bull Run Watershed to in-town reservoirs in the highest quality condition. This legislation is a continuation of the Water Bureau's efforts that are necessary to support the Conduit Rehabilitation Plan.

No public involvement has been undertaken that explicitly addresses the conduit condition assessment.

The three conduits will be inspected one at a time, with two being operational throughout the condition assessment process. Therefore, community impacts are considered to be low.

Budgetary Impact Worksheet

Does this action change appropriations?

☐ YES: Please complete the information below.

☒ NO: Skip this section

| Fund | Fund Center | Commitment Item | Functional Area | Funded Program | Grant | Sponsored Program | Amount |
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Michael Stuhr, P.E., Administrator

12/21/16
Date