

IMPACT STATEMENT

Legislation title: Authorize a contract with Brown and Caldwell, Inc. for professional engineering services for the Asset Management Program for Continuous Collections System Planning Project under BES cost center ESEN000019 for a total not-to-exceed amount of \$1,249,498 (Ordinance)

Contact name: Shannon Reynolds, PhD, PE

Contact phone: (503) 823-5749

Presenter name: Shannon Reynolds, PhD, PE

Purpose of proposed legislation and background information:

The purpose of this legislation is to authorize a Professional, Technical, and Expert (PTE) contract with Brown and Caldwell, Inc. for the update of the Asset Management Program for Continuous Collections System Planning Project (System Plan).

The Bureau of Environmental Services (BES) will address risks to its man-made assets by assessing structural and capacity deficiencies within its combined and sanitary sewer systems. The City operates and maintains approximately 900 miles of combined sewer and tunnels in our service area. The estimated replacement value of BES combined sewer assets is over \$5.1 Billion. Failure of our combined sewer assets due to age and condition can create significant problems in the operation of the sewer system, including increased risk of sanitary sewer overflows and regulatory fines. BES will continue to invest in updating the characterization, and the tools used to perform the characterization, of the combined sewer system assets to appropriately plan and scope capital projects to repair aging combined sewer system components.

The work performed by Brown and Caldwell, Inc. will support the development of short-term and long-term strategies for improving, developing and implementing methods and tools for system characterization, facilitation of stakeholder engagement to inform strategies and provide technical support for system analysis of combine sewer system assets. Brown and Caldwell Inc. and their subconsultants each possess the required expertise necessary to complete the Project.

Financial and budgetary impacts:

The not to exceed amount for the PTE contract is \$1,249,498. The cost estimate level of confidence rating is high. Funding for the services required under the contract are available in the Sewer System Operating Fund, FY 2018-19 through FY 2021-22 Budgets.

The primary objective of the System Plan is to develop a short-term and long-term Implementation Plan for improvements to the City's asset management of the combined sewer assets. The System Plan will not have any financial or budgetary impacts; however, it will include Capital Improvement Program (CIP) recommendations that will assist the City in responsibly managing its risk.

Community impacts and community involvement:

The System Plan does not contain any construction or other activities that will impact neighborhoods or ratepayers in the City of Portland service area.

100% Renewable Goal:

This action does not increase or decrease the City's total or renewable energy use.

Budgetary Impact Worksheet

189072

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