

Portland, Oregon

# FINANCIAL IMPACT and PUBLIC INVOLVEMENT STATEMENT For Council Action Items

(Deliver original to Financial Planning Division. Retain copy.)

|   |  |   |  |
|---|--|---|--|
| 1. Name of Initiator<br>Gail M. Luthy   |  | 2. Telephone No.<br>(503) 823-7381  | 3. Bureau/Office/Dept.<br>BES /Wastewater Group/<br>Maintenance Engineering                |
| 4a. To be filed (hearing date):<br>April 18, 2012   | 4b. Calendar (Check One)<br><br>Regular <input type="checkbox"/> Consent <input checked="" type="checkbox"/> 4/5ths <input type="checkbox"/> |   | 5. Date Submitted to<br>Commissioner's office and<br>FPD Budget Analyst:<br>March 27, 2012 |
| 6a. Financial Impact Section:<br><input checked="" type="checkbox"/> Financial impact section completed |  | 6b. Public Involvement Section:<br><input checked="" type="checkbox"/> Public involvement section completed |  |

**1) Legislation Title:**

Authorize contract with Brown and Caldwell for the Condition Assessment of Large Diameter Sewers and provide for payment. (Ordinance)

**2) Purpose of the Proposed Legislation:**

Provide services to complete the condition assessment of large diameter sewers.

**3) Which area(s) of the city are affected by this Council item? (Check all that apply—areas are based on formal neighborhood coalition boundaries)?**

- |  |                                    |                                    |                                |
|--|------------------------------------|------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> City-wide/Regional | <input type="checkbox"/> Northeast | <input type="checkbox"/> Northwest | <input type="checkbox"/> North |
| <input type="checkbox"/> Central Northeast             | <input type="checkbox"/> Southeast | <input type="checkbox"/> Southwest | <input type="checkbox"/> East  |
| <input type="checkbox"/> Central City                  |                                    |                                    |                                |

## FINANCIAL IMPACT

**4) Revenue:** Will this legislation generate or reduce current or future revenue coming to the City? If so, by how much? If so, please identify the source.

This action will neither generate nor reduce current or future revenue.

**5) Expense:** What are the costs to the City as a result of this legislation? What is the source of funding for the expense? (Please include costs in the current fiscal year as well as costs in future years. If the action is related to a grant or contract please include the local contribution or match required. If there is a project estimate, please identify the *level of confidence*.)

The maximum cost of each contract for the current and future fiscal years is \$600,000, for a total cost of \$1,800,000.

**6) Staffing Requirements:**

- Will any positions be created, eliminated or re-classified in the current year as a result of this legislation? (If new positions are created please include whether they will be part-time, full-time, limited term, or permanent positions. If the position is limited term please indicate the end of the term.)

No.

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- Will positions be created or eliminated in future years as a result of this legislation?

No.

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(Complete the following section only if an amendment to the budget is proposed.)

**7) Change in Appropriations** (If the accompanying ordinance amends the budget please reflect the dollar amount to be appropriated by this legislation. Include the appropriate cost elements that are to be loaded by accounting. Indicate "new" in Fund Center column if new center needs to be created. Use additional space if needed.)

| Fund | Fund Center | Commitment Item | Functional Area | Funded Program | Grant | Sponsored Program | Amount |
|------|-------------|-----------------|-----------------|----------------|-------|-------------------|--------|
|      |             |                 |                 |                |       |                   |        |
|      |             |                 |                 |                |       |                   |        |
|      |             |                 |                 |                |       |                   |        |
|      |             |                 |                 |                |       |                   |        |

[Proceed to Public Involvement Section — REQUIRED as of July 1, 2011]

**PUBLIC INVOLVEMENT**

**8) Was public involvement included in the development of this Council item (e.g. ordinance, resolution, or report)? Please check the appropriate box below:**

☐ **YES:** Please proceed to Question #9.

☒ **NO:** Please, explain why below; and proceed to Question #10.

Limited impacts anticipated in the community.

**9) If "YES," please answer the following questions:**

a) What impacts are anticipated in the community from this proposed Council item?

b) Which community and business groups, under-represented groups, organizations, external government entities, and other interested parties were involved in this effort, and when and how were they involved?

c) How did public involvement shape the outcome of this Council item?

d) Who designed and implemented the public involvement related to this Council item?

e) Primary contact for more information on this public involvement process (name, title, phone, email):

**10) Is any future public involvement anticipated or necessary for this Council item? Please describe why or why not.** It is anticipated that public outreach activities will occur throughout the course of the project. The project contains fieldwork which may cause localized traffic impacts. In areas where traffic impacts are anticipated public outreach will be performed.

gm  
WFR  
Dean Marriott, Director, Bureau of Environmental Services

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APPROPRIATION UNIT HEAD (Typed name and signature)



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204 ■ Dan Saltzman, Commissioner ■ Dean Marriott, Director

City Council  
Agenda Item  
Staff Supplemental Report

TO: Commissioner Dan Saltzman

THROUGH: Matt Grumm or Amy Trieu

FROM: Gail M. Luthy

*Handwritten signatures: Dan Saltzman and Gail M. Luthy*

DATE: March 10, 2012

RE: Authorize contract with Brown and Caldwell for the Condition Assessment of Large Diameter Sewers and provide for payment. (Ordinance).

Requested Council Hearing Date: April 18, 2012

## I. RECOMMENDATION

Authorize contract with Brown and Caldwell for the Condition Assessment of Large Diameter Sewers Project.

## II. BACKGROUND

BES is implementing a capacity management operations and maintenance program (CMOM) as part of the latest National Pollutant Discharge Elimination System (NPDES) permit for the Columbia Boulevard Wastewater Treatment Plant. An element of this program is the inspection and condition assessment of the collection system. Accurate, current information on the condition of the larger sewers in the City's collection system will be critical as these are vital elements of the collection system and, due to their size, locations and flow characteristics may pose significant challenges to maintain and rehabilitate if necessary.

In addition to preventative maintenance, this project will support ongoing capital improvement projects within BES. BES has identified specific large diameter sewers that are known to require rehabilitation and others (due to their proximity to defective sewers) that are likely to require rehabilitation. The condition assessment information and engineering recommendations completed as part of this project will be used as a basis to develop the final design scope and select an appropriate rehabilitation methodology for these projects.

BES has approximately 600,000 lineal feet of sewer larger than 36 inches. Materials vary with approximately 85 percent concrete, 10 percent brick or brick with stone invert and 5 percent with various other materials. Construction methods include tunneling, open excavation monolithic formed sewers, open excavation pre-cast materials and various lining methods. The large diameter sewers are also of varying shapes including circular, egg-shaped, horseshoe, catenary. In some instances, the shape of the sewer negatively impacts the ability to perform condition assessment.

Most of the City's large diameter sewers were inspected in the 1990's using CCTV (closed-circuit television) inspection, sonar or a combination of these two methodologies. There has been some additional CCTV inspection performed more recently. These critical sewers continue to age and information available from CCTV inspection alone is somewhat limited.

BES does not have the in-house resources to perform specialty inspections that will be needed in some of the sewers, including but not limited to sonar imaging and laser profiling in conjunction with CCTV inspection. For some of the sewers, external conditions may also need to be assessed for potential void detection. In addition, BES does not have adequate resources to perform evaluation of the results of the inspections that would include the estimate of remaining useful life and rehabilitation recommendations.

### III. FINANCIAL IMPACT

The maximum cost of this contract is \$1,800,000. These funds are available in the Sewer System Operating Fund, FY 2011-2012 budget, Bureau of Environmental Services, Cost Center ESWW000003

### IV. LEGAL ISSUES

None.

### V. CONTROVERSIAL ISSUES

None.

### VI. LINK TO CURRENT CITY POLICIES

This contract will allow BES to design projects to continue to operate and maintain the sewer system.

### VII. CITIZEN PARTICIPATION

### VIII. OTHER GOVERNMENT PARTICIPATION

None anticipated at this time.

### IX. FINANCIAL IMPACT ON LOCAL ECONOMY

IF APPLICABLE, PROVIDE INFORMATION ON ESTIMATED NUMBER OF JOBS CREATED BY THIS ACTION

N/A

IF THIS ACTION IS CONTRACT-RELATED, PROVIDE INFORMATION ON M/W/ESB PARTICIPATION (NUMBER AND PERCENTAGE)

Brown and Caldwell plans to allocate a minimum of 55 percent of the contract amount to M/W/ESB certified firms. To meet this goal, Brown and Caldwell has

identified 8 M/W/ESB firms that they plan to allocate work to as part of this contract.

- X. IF THIS IS A CONTRACT, DOES CONTRACTOR HAVE A CURRENT BUSINESS LICENSE? Yes WHAT IS THEIR BUSINESS LICENSE NUMBER? 373682  
IS THEIR ACCOUNT WITH THE CITY CURRENT? N/A IF NOT, HOW MUCH IS OWING? \_\_\_\_\_