

Portland, Oregon

FINANCIAL IMPACT and PUBLIC INVOLVEMENT STATEMENT For Council Action Items

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

1. Name of Initiator Scott Gibson		2. Telephone No. 503-823-7615	3. Bureau/Office/Dept. Environmental Services
4a. To be filed (hearing date): September 19, 2012 26	4b. Calendar (Check One) Regular <input type="checkbox"/> Consent <input checked="" type="checkbox"/> 4/5ths <input type="checkbox"/>		5. Date Submitted to Commissioner's office and FPD Budget Analyst:
6a. Financial Impact Section: <input checked="" type="checkbox"/> Financial impact section completed		6b. Public Involvement Section: <input checked="" type="checkbox"/> Public involvement section completed	

1) Legislation Title:

Authorize a contract with Brown and Caldwell, Inc. for professional services for the Alder Wastewater Pump Station Upgrade, Project No. E10359 (Ordinance)

2) Purpose of the Proposed Legislation:

To authorize the Commissioner of Public Works to execute a contract with Brown and Caldwell, Inc. in the amount of \$357,693 for professional engineering services for the Alder Wastewater Pump Station Upgrade, Project No. E10359.

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

No

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 estimated cost for the recommended contract is \$357,693. M/W/ESB participation is \$147,645 or 41.3% of the total contract amount. Funds are available in the Sewer System Operating Fund, FY 2013 Budget, Bureau of Environmental Services WBS Element E10359.

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

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

No

(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

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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.

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

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

There are no anticipated impacts with regard to the proposed Council item to authorize the execution of a contract with B&C. Community impacts are anticipated during the construction and startup/closeout phases of the project, which is scheduled to occur from February 2014 through May 2015.

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?

A representative from the Minority Evaluator Program (MEP), Mr. Hussain Mirza participated as a member of the consultant selection committee.

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

A representative from the Minority Evaluator Program (MEP), Mr. Hussain Mirza participated as a member of the consultant selection committee.

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

The implementation of the MEP process in the selection committee was conducted in accordance with current City policy.

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

Until such time as a BES public involvement staff person is assigned to support the project the primary contact is the BES overall project manager, Daniel J. Hebert, P.E., Senior Engineer, 503-823-2689, daniel.hebert@portlandoregon.gov

10) Is any future public involvement anticipated or necessary for this Council item? Please describe why or why not.

Due to this projects anticipated public impacts, a BES public involvement staff person will be assigned and will be responsible for developing and implementing a public involvement plan for the design, construction, and startup/closeout phases of the project.

 Dean Marriott, Director Bureau of Environmental Services

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

185681

City Council
Agenda Item
Staff Supplemental Report

TO: Commissioner Dan Saltzman
THROUGH: Matt Grumm or Amy Trieu

FROM: Scott Gibson

DATE: August 23, 2012

RE: Proposed Ordinance to authorize a contract with Brown and Caldwell, Inc. to provide professional services for the Alder Wastewater Pump Station Upgrade, BES Project No. E10359 (Ordinance)

Requested Council Hearing Date: September ¹⁹₂₆, 2012

I. RECOMMENDATION

Authorize a contract with Brown and Caldwell, Inc. to provide professional services for the Alder wastewater pump station upgrade project E10359.

POTENTIAL FUTURE CONTRACT AMENDMENTS: The negotiated scope and fee for the recommended contract does not anticipate the need for future contract amendments. However, it is possible that an unanticipated change in the required scope of work could occur for the following types of events that have occurred in the past on other wastewater pump station remodel/upgrade projects:

- Physical conditions can be discovered during the detailed field investigations of the pump station facility that may require more extensive upgrade or replacement of the structure to meet current code.
- A change in the required pumping capacity of future operational goals for the facility based on revisions or modifications to the overall sewer conveyance system due to ongoing analysis and system modeling by the BES Asset Systems Management.
- Resolution of constructability issues and coordination with the BES Construction Services Division during design development may require more effort than originally anticipated.
- Property or easement acquisition efforts may require unanticipated design revisions.
- The City may adopt a new policy, or modify the scope or application of any existing policy that could impact the scope of design required for the pump station facility.
- Project priorities for the overall sewer conveyance system might change that could require either acceleration or deferral of the project that could impact the consultant's level of effort.

II. BACKGROUND

The Alder wastewater pump station (PS), originally constructed in 1952 is located at 56 SE Alder St. at the SE corner of the intersection of SE Water Ave & SE Alder St. This PS serves the western portion of the Alder basin between the Southeast Interceptor and the river front. It has an influent distribution chamber that can direct flow to two separate wetwells. One is a sanitary (dry weather) wetwell, and the other is a storm (wet weather) wetwell.

Two 10-hp, 750-gallon per minute (gpm) capacity dry-pit sewage pumps draw from the sanitary wetwell, and discharge to MH ABQ749 in SE Alder through parallel 8-inch CIP pressure lines approximately 40-ft long. The pumped sanitary discharge flow is then conveyed easterly in a 15-inch gravity sewer line that connects to the SE interceptor. During storm events when the influent flow exceeds the capacity of the sanitary pumps flow enters the storm wetwell. Two 1500-gpm capacity dry pit sewage pumps draw from the storm wetwell, and discharge to a drainage chamber inside the PS that drains into a 24-inch gravity sewer line that connects to the Alder outfall at MH ABQ746.

As part of the completion of the City's Eastside CSO control system a high flow bypass, the Alder PS Relief Structures project element was installed in the sewer collection system upstream of the PS in 2011, and the effectiveness of the Alder PS Relief Structures was monitored after installation. An Alder PS flow analysis was done by the BES Asset Systems Management Division based on the monitoring, and a technical memorandum (TM) was issued on July 12, 2012 that defined and recommended design flows for the upgrade of the PS.

The flow analysis concluded that the sanitary pumping system will need to provide a minimum firm pumping capacity of 2,100-gpm in order to capture and convey all influent flows generated by storm up to an ASFO 3-yr event. The TM also estimated that the total wet weather flow that would be generated as an influent flow to the PS during a 25-year design storm will be 3,000-gpm.

After the completion of the upgrade project the PS will operate in three distinct modes, described as follows:

1. During normal dry weather flow periods the Alder Relief Structures will allow all sanitary flow to continue to the Alder PS. The sanitary pumps will operate to convey all flow to the SE interceptor.
2. During storm events smaller than the ASFO 3-yr event excess wet weather flow in the Alder collection system will be diverted at the Alder Relief Structures to the Outfall (OF) 33 -35 Diversion pipeline and conveyed to the Eastside CSO tunnel. Wet weather influent flows of up to 2,100-gpm will flow to the Alder PS, and will be pumped to the SE interceptor.
3. During large storm events greater than the ASFO 3-yr event the water surface elevation (WSE) in the Eastside CSO tunnel will be higher than the overflow weir in the Alder PS Relief Structures. "Reverse" flow will enter the Alder PS system, and be pumped by the Alder PS wet weather pumping system to OF 36. BES systems flow analysis has determined that a 25-yr design storm will create a total wet weather influent flow of 3,000-gpm at the Alder PS.

A CSO violation would occur in the event that the Alder PS wet weather pumps activate, and direct flow to OF 36 and to the Willamette River when the Eastside CSO

tunnel is not discharging through OF 36, and the local storm is less severe than an ASFO 3-yr event.

Therefore, the upgrade required at the Alder PS will include:

- Increasing the firm pumping capacity of the dry weather sanitary pumping system to a minimum of 2,100-gpm.
- Modifications to the existing dry weather / wet weather configuration to facilitate the transition to wet weather storm pumping mode when a local storm event exceeds the ASFO 3-yr event.
- Upgrading the storm pumping system to provide a combined storm & sanitary minimum firm pumping capacity of 3,000-gpm.

Due to the required changes to achieve the required sanitary and combined sanitary/storm firm pumping capacity upgrading the Alder PS will require the replacement of all mechanical, electrical, control, and ancillary support systems. The design and implementation of a temporary pumping system will be required to maintain operations during construction.

III. FINANCIAL IMPACT

The estimated cost for the recommended contract is \$357,693. M/W/ESB participation is \$147,645 or 41.3% of the total contract amount. Funds are available in the Sewer System Operating Fund, FY 2013 Budget, Bureau of Environmental Services WBS Element E10359.

IV. LEGAL ISSUES

No legal issues related to the proposed contract have been identified.

V. CONTROVERSIAL ISSUES

No controversial issues related to the proposed contract have been identified.

VI. LINK TO CURRENT CITY POLICIES

The project is consistent with BES strategic planning and the BES CIP process. Construction will be performed in accordance with the City of Portland Standard Construction Specifications.

VII. CITIZEN PARTICIPATION

An outside minority evaluator from the Minority Evaluator Program was recruited to participate on the consultant selection committee. Due to this projects anticipated public impacts, a BES public involvement staff person will be assigned and will be responsible for developing and implementing a public involvement plan for the design, construction, and startup/closeout phases of the project.

VIII. OTHER GOVERNMENT PARTICIPATION

Other government agencies are not involved with the proposed contract.

IX. FINANCIAL IMPACT ON LOCAL ECONOMY

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

Approximately 1.5 full-time equivalent professional positions will be supported by this contract.

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

M/W/ESB participation on this contract is \$147,645, which represents 41.3% of the total proposed contract amount.

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? YES

IF NOT, HOW MUCH IS OWING? N/A