

**FINANCIAL IMPACT STATEMENT**  
**For Council Action Items**  
**(Use this form for Ordinances and Resolutions)**  
(Deliver original to Financial Planning Division. Retain copy.)

1. Name of Initiator Scott Gibson	2. Telephone Number 503-823-7615	3. Bureau/Office/Dept. Environmental Services
4a. To be filed (date) June 8, 2011	4b. Calendar (Check One) Regular Consent 4/5ths [ ] [ X ] [ ]	5. Date Submitted to FPD Budget Analyst:

**1) Legislation Title:**

Authorize a contract with Brown and Caldwell for professional services for the final design of the Fanno Basin pump station expansion and surge protection, Project No. E09051. (Ordinance)

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

To authorize the Commissioner of Public Utilities to execute a contract with B&C in the amount of \$1,861,445 for professional engineering services for the final design of the Fanno Basin pump station expansion and surge protection project, Project No. E09051.

**3) Revenue:**

**Will this legislation generate or reduce current or future revenue coming to the City? If so, by how much? If new revenue is generated identify the source.**

No.

**4) Expense:**

**What are the costs to the City as a result of this legislation? Include costs in the current fiscal year as well as costs in future years. If the action is related to a grant or contract include the local contribution or match required.**

The estimated cost for the recommended contract is \$1,861,445. M/W/ESB participation is \$780,207 or 41.9 % of the total contract amount. Funds are available in the Sewer System Operating Fund, FY 2011 Budget, Bureau of Environmental Services, Project No. E09051.

**5) Staffing Requirements:**

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

No.

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

No.

**6) Change in Appropriations:** Budget changes for the current year must go through the BMP Process. This section may only be use with prior permission of your OMF analyst for exceptions. Reflect the dollar amount to be appropriated by this legislation. Include the appropriate center codes and accounts to be used by Central Accounting. Indicate "new" in Center Code column if new center needs to be created. Use additional space if needed.

Fund	Center Code	Account	Amount	Project Fund	Project No.

OMF USE ONLY

*WSP*



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

City Council  
 Agenda Item  
 Staff Supplemental Report

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

FROM: Scott Gibson *SG*

*Wiley*

DATE: May 05, 2011

RE: Authorize a contract with Brown and Caldwell for professional services for the final design of the Fanno Basin pump station expansion and surge protection, Project No. E09051. (Ordinance)

Requested Council Hearing Date: June 8, 2011

I. RECOMMENDATION

Authorize a contract with B&C for professional services for the final design of the Fanno Basin pump station expansion and surge protection project E09051.

II. BACKGROUND

The Fanno Basin (FABA) pump station located at 6895 SW 86<sup>th</sup> Ave. was commissioned in May 2000, and replaced five older wastewater pump stations in the Fanno Basin. The station receives flow from the Fanno Interceptor sewer and as originally constructed conveyed wastewater through an approximately 16,700-foot long, nominal 30-inch diameter pressure line to a discharge structure located at SW 31<sup>st</sup> Ave. & SW Multnomah Blvd. where the flow entered the City of Portland's sewer system to be delivered to the Columbia Boulevard Wastewater Treatment Plant (CBWTP).

Detailed flow studies and basin modeling have been conducted by the BES Systems Analysis section in recent years. The flow modeling effort concluded that the firm pumping capacity of the FABA PS and pressure main system needs to be increased from the current rating of approximately 24-cubic feet per second (cfs) up to approximately 40-45-cfs. The FABA pump station expansion project will add the additional 16-21-cfs pumping capacity at the FABA PS system that flow monitoring and system modeling demonstrate is needed to capture and convey peak influent flows from the Fanno Interceptor during a 5-year storm event in the basin. Projects to replace the single pressure line with dual 30-inch welded steel pipe and ductile iron pipe pressure lines, and to replace the discharge structure were completed in 2011, and have the capacity to convey the increased flows from the station. Another project to improve the Burlingame Trunk Sewer immediately downstream of the FABA discharge structure to accommodate the increased peak flows is starting construction in June 2011.

Hydraulic modeling of the FABA PS pressure line system that was conducted during the design of the force main replacement projects concluded that the proposed FABA surge protection system is required to provide long term reliability and protect the new parallel pressure lines, valves and pumping equipment from damage due to pressure transient conditions in the force main system during normal operations, and during power failure events. The need for the surge protection project was validated through a focused value engineering (VE) study conducted by BES to confirm the conclusions from the hydraulic modeling.

### III. FINANCIAL IMPACT

The estimated cost for the recommended contract is \$1,861,445. M/W/ESB participation is \$780,207 or 41.9 % of the total contract amount. Funds are available in the Sewer System Operating Fund, FY 2011 Budget, Bureau of Environmental Services, Project No. E09051.

### 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. However, the design and construction of the FABA pump station expansion and surge protection projects in the area in unincorporated Washington County will be controversial.

### 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 evaluator from the Minority Evaluator Program was recruited to participate on the consultant selection committee.

### 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 5 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 \$780,207 (41.9%) of the total 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