

Portland, Oregon

**FINANCIAL IMPACT and PUBLIC INVOLVEMENT STATEMENT
For Council Action Items**

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

1. Name of Initiator Ali Young		2. Telephone No. 503-823-5781	3. Bureau/Office/Dept. BES/Watershed Services
4a. To be filed (hearing date): May 1, 2013	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: X Financial impact section completed		6b. Public Involvement Section: X Public involvement section completed	

1) Legislation Title:

*Authorize Joint Funding Agreement between the Bureau of Environmental Services and the U.S. Geological Survey, U.S. Department of the Interior to update the 100-year floodplain for Crystal Springs Creek and for hydraulic and hydrologic modeling for the Johnson Creek basin. (Ordinance) (contract amount \$65,000).

2) Purpose of the Proposed Legislation:

Authorize USGS to provide hydraulic and hydrologic modeling for a 2.7 mile reach of Crystal Springs Creek a tributary of Johnson Creek. The modeling will be included for submission in a Federal Emergency Management Agency (FEMA) Flood Insurance Study. Additionally, authorize USGS to complete Phase 1 of a library of Flood Inundation Maps (FIM) for the Johnson Creek Basin.

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 checked="" 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*.)

Funds have been budgeted in ESWS000010 and ESWS000011. The cost to the City is \$65,000. The contract with USGS will end on September 30, 2014 and will extend into the City's fiscal year 2015.

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]



CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204 ■ Charlie Hales, Mayor ■ Dean Marriott, Director

City Council
Agenda Item
Staff Supplemental Report

TO: Mayor Charlie Hales
THROUGH: Chad Stover

FROM: Ali Young, Environmental Services

DATE: April 2, 2013

RE: *Authorize Joint Funding Agreement between the Bureau of Environmental Services and the U.S. Geological Survey, U.S. Department of the Interior to update the 100-year floodplain for Crystal Springs Creek and for hydraulic and hydrologic modeling for the Johnson Creek basin. (Ordinance) (contract amount \$65,000).

Requested Council Hearing Date: May 1, 2013

I. RECOMMENDATION

It is recommended that Council authorize the Joint Funding Agreement between BES and the U.S. Geological Survey to update the 100-year floodplain for Crystal Springs Creek and for hydraulic and hydrologic modeling of the Johnson Creek basin.

II. BACKGROUND

This Joint Funding Agreement (JFA) with the U.S. Geological Survey (USGS) authorizes USGS to provide hydraulic and hydrologic modeling for a 2.7 mile reach of Crystal Springs Creek a tributary of Johnson Creek. The modeling will be included for submission in a Federal Emergency Management Agency (FEMA) Flood Insurance Study (FIS).

This JFA with the USGS authorizes USGS to complete Phase 1 of a library of Flood Inundation Maps (FIM) for the Johnson Creek Basin. The maps will be used with National Weather Service (NWS) flood forecasts and USGS real-time streamflow data to provide, in near real time, maps showing detailed predicted areas and depth of flooding in the basin. Phase 1 will research the past hydrologic, hydraulic and geographical information needed for the Phase 2 hydrologic analysis, hydraulic models, and mapping.

III. FINANCIAL IMPACT

The established cost for the FIS modeling is \$40,000. The established cost for the FIM Phase 1 is \$25,000. The USGS will provide \$20,000 in Federal Matching Funds. Funds are available in the Sewer System Operating Fund, FY12-13, Bureau of Environmental Services, ESWS000010 and ESWS000011.

IV. LEGAL ISSUES

FEMA requires that any project that results in a change to the flood inundation frequency or floodplains must update the effective, published Flood Insurance Rate Maps. BES has or will be implementing 9 culvert projects on Crystal Springs with the expected completion in 2014. These projects will *reduce* the flood inundation frequency and floodplain extent in Crystal Springs Creek. Therefore, city staff negotiated a comprehensive basin-wide FIS as an efficient and cost effective alternative to submitting the required multiple Conditional Letters of Map Revisions (CLOMRs) with each individual project. This will be the first time that the City has incorporated new modeling guidelines from FEMA.

V. CONTROVERSIAL ISSUES

There are no controversial issues anticipated.

VI. LINK TO CURRENT CITY POLICIES

This project is consistent with the City of Portland's floodplain code for Johnson Creek Plan district; to protect life and property from the effects of flooding. The project will provide a new opportunity for the National Weather Service to provide flood inundation maps to the public, thereby greatly improving the City's abilities to predict and prepare for flood events.

VII. CITIZEN PARTICIPATION

For the Flood Insurance Study (FIS) public involvement will take place as outlined by FEMA's process. Public involvement is not necessary for the Flood Inundation Map (FIM) Phase 1 because the phase covers data gathering and scoping for Phase 2.

VIII. OTHER GOVERNMENT PARTICIPATION

The U.S. Geological Survey will provide \$20,000 in federal matching funds and will provide the hydrologic and hydraulic modeling for the Crystal Springs FIS and data gathering for phase 1 of the FIM.

IX. FINANCIAL IMPACT ON LOCAL ECONOMY

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

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

- X. IF THIS IS A CONTRACT, DOES CONTRACTOR HAVE A CURRENT BUSINESS LICENSE? ____ WHAT IS THEIR BUSINESS LICENSE NUMBER? ____ IS THEIR ACCOUNT WITH THE CITY CURRENT? ____ IF NOT, HOW MUCH IS OWING? _____