

# ORDINANCE No. 185999

\*Authorize Joint Funding Agreement with 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 for \$65,000 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. 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) to update the 100-year floodplain for Crystal Springs Creek. The City is required by FEMA to complete a FIS for Crystal Springs Creek upon completion in 2014 of a series of culvert replacement projects. The FIS was negotiated by city staff as an efficient and cost-effective alternative to submitting multiple Conditional Letters of Map Revision (CLOMR).
2. 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.
3. The information collected for the FIS and FIM will be used to enhance our understanding of the Johnson Creek basin for planning, modeling, and design purposes and will help minimize risks to public safety during flood events and contribute to lower flood insurance rates for Portland citizens.
4. Consistent with BES' mission to protect surface and ground water quality and work for healthy watersheds, BES is one of the bureaus responsible for managing floods especially those exacerbated by stormwater and that pose risks to BES infrastructure and projects. City and federal regulations impose requirements on BES projects to update hydrologic and hydraulic models and maps. These models, maps and tools allow BES and the City to minimize risk to ratepayers, public and private property and infrastructure, and control long term costs associated with floods.
5. The City's established cost for the FIS modeling is \$40,000. The City's 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, FY 12-13, Bureau of Environmental Services, Cost Center ESWS000010 and ESWS000011.
6. Both parties understand that the availability of funds is subject to annual budget appropriations. If funds available are less than the established cost, the scope of work will be adjusted to match the available funds.

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NOW, THEREFORE, the Council directs:

- a. The Commissioner in Charge is authorized to execute a contract with the U.S. Geological Survey for the purpose described in Section 1, in the amount of \$65,000.
- b. The Commissioner in Charge is authorized to execute amendments to this contract that do not increase the total contract amount by more than 10% of the original contract amount.
- c. The Mayor and Auditor are hereby authorized to draw and deliver warrants chargeable to the Sewer System Operating Fund Budget when demand is presented and approved by the proper authority.

Section 2. The Council declares that an emergency exists because of the time critical nature of this data collection. Therefore, this ordinance shall be in full force and effect from and after its passage by the Council.

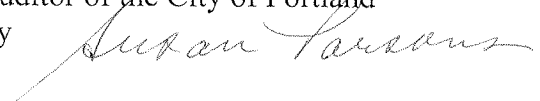
Passed by the Council,  
Charlie Hales  
Office of the Mayor

MAY 01 2013

Ali Young  
April 2, 2013

**LaVonne Griffin-Valade**  
Auditor of the City of Portland

By

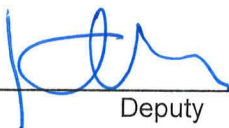


Deputy

Agenda No. **185999**  
**ORDINANCE NO.**

with 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).~~ for \$65,000

INTRODUCED BY Commissioner/Auditor: <b>Mayor Hales</b>	CLERK USE: DATE FILED <u>APR 26 2013</u>
COMMISSIONER APPROVAL	LaVonne Griffin-Valade Auditor of the City of Portland
Mayor—Finance and Administration - <b>Hales</b>	
Position 1/Utilities - Fritz	
Position 2/Works - Fish	
Position 3/Affairs - Saltzman	
Position 4/Safety - Novick	By:  Deputy
BUREAU APPROVAL	ACTION TAKEN:
Bureau: Environmental Services Bureau Head: <b>Dean Marriott</b>	
Prepared by: Ali Young Date Prepared: April 2, 2013	
Financial Impact & Public Involvement Statement Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/>	
Portland Policy Document If "Yes" requires City Policy paragraph stated in document. Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Council Meeting Date May 1, 2013	
City Attorney Approval: <i>on agreement</i> required for contract, code, easement, franchise, comp plan, charter	

<b>AGENDA</b>
<b>TIME CERTAIN</b> <input type="checkbox"/> Start time: _____ <b>Total amount of time needed:</b> _____ (for presentation, testimony and discussion)
<b>CONSENT X</b>
<b>REGULAR</b> <input type="checkbox"/> <b>Total amount of time needed:</b> _____ (for presentation, testimony and discussion)

FOUR-FIFTHS AGENDA	COMMISSIONERS VOTED AS FOLLOWS:	
	YEAS	NAYS
1. Fritz	<input checked="" type="checkbox"/>	
2. Fish	<input checked="" type="checkbox"/>	
3. Saltzman	<input checked="" type="checkbox"/>	
4. Novick	<input checked="" type="checkbox"/>	
Hales	<input checked="" type="checkbox"/>	