

ORDINANCE NO. 188506

Authorize Intergovernmental Agreement with Oregon State University in the amount of \$10,178 for the Cascadia Subduction Zone at Bull Run Watershed Project (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Cascadia Subduction Zone (CSZ) is a megathrust fault system extending from Northern California to British Columbia that has repeatedly produced earthquakes above a magnitude 9 on the Richter scale in the last ~10,000 years. The recurrence interval for an event greater than magnitude 8 ($M > 8$) is ~320 years. The last mega quake ($M > 9$) occurred on Jan. 26, 1700 A.D.
2. The main evidence for recurring earthquakes at the Cascadia Subduction Zone exists through paleoseismology; however, the Water Bureau and Oregon State University has a poor understanding of the magnitudes and spatial extents of prehistoric earthquakes and therefore the future seismic hazards and ground shaking levels in Pacific Northwest population centers.
3. The Cascadia Subduction Zone at Bull Run Watershed Project (Project) is a unique opportunity to study paleoseismic records and compare the shaking levels between onshore and offshore environments by linking the Bull Run Lake sedimentary records with coastal paleoseismic findings. A major undetermined factor at this site is the minimum peak ground acceleration (PGA).
4. The Water Bureau strives to mitigate the availability water hazards for Oregonians before, during, and after a Cascadia megaquake event. The Water Bureau will work collaboratively with Oregon State University to conduct an investigation of two current unknowns: 1) shaking levels at Bull Run Lake during prehistoric earthquakes; and, 2) the present-day vulnerabilities of Bull Run Lake and of its greater watershed.
5. The Water Bureau and Oregon State University will conduct this study by entering into a formal agreement in the sum not to exceed \$10,178. Funding for this Agreement has been requested in the CIP Planning Budget as part of the Support Program for FY 2017-18.
6. It is in the interest of the Water Bureau and Oregon State University to execute this Intergovernmental Agreement (Agreement) as quickly as possible in order to secure the mutual benefits that it provides.

NOW, THEREFORE, the Council directs:

- a. That the Administrator is authorized to execute on behalf of the City an Agreement with Oregon State University for study of the Cascadia Subduction Zone at Bull Run Watershed in a form substantially in accordance with the Agreement attached as Exhibit A.

- b. Amendments increasing the total compensation to the Agreement may be agreed to and executed by the Portland Water Bureau Administrator up to twenty-five percent of the total Agreement amount. Any increase exceeding twenty-five percent of the total compensation would need City Council approval.
- c. The Mayor and Auditor are hereby authorized to draw and deliver checks chargeable to the Water Fund when demand is presented and approved by the proper authorities.

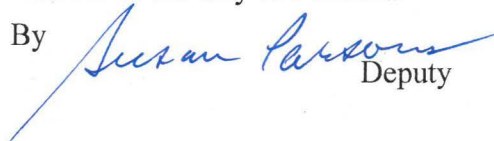
Passed by the Council,

JUL 05 2017

Mayor Ted Wheeler
Tim Collins
May 10, 2017

Mary Hull Caballero
Auditor of the City of Portland

By


Deputy

~~750~~ 780

Ordinance ~~REPORT~~ Agenda No. 188506
Title

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INTRODUCED BY Commissioner/Auditor: Mayor Ted Wheeler FISH	CLERK USE: DATE FILED <u>JUN 20 2017</u>
COMMISSIONER APPROVAL	Mary Hull Caballero Auditor of the City of Portland
Mayor—Finance & Administration - Wheeler	By: <u>Lucan Lauzon</u> Deputy
Position 1/Utilities - Fritz	ACTION TAKEN:
Position 2/Works - Fish	JUN 28 2017 PASSED TO SECOND READING JUL 05 2017 9:30 A.M.
Position 3/Affairs - Saltzman	
Position 4/Safety - Eudaly	
BUREAU APPROVAL	
Bureau: Water Bureau Head: Michael P. Stuh, P.E.	
Prepared by: Tim Collins Date Prepared: May 9, 2017	
Impact Statement Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/>	
City Auditor Office Approval: required for Code Ordinances	
City Attorney Approval: required for contract, code, easement, franchise, charter, Comp Plan	
Council Meeting Date June 28, 2017	

AGENDA	FOUR-FIFTHS AGENDA	COMMISSIONERS VOTED AS FOLLOWS:	
TIME CERTAIN <input type="checkbox"/> Start time: _____ Total amount of time needed: _____ (for presentation, testimony and discussion)		YEAS	NAYS
CONSENT <input type="checkbox"/>	1. Fritz	1. Fritz	✓
REGULAR <input checked="" type="checkbox"/> 15 Total amount of time needed: 15 mins (for presentation, testimony and discussion)	2. Fish	2. Fish	✓
	3. Saltzman	3. Saltzman	✓
	4. Eudaly	4. Eudaly	✓
	Wheeler	Wheeler	_____