

188506

IMPACT STATEMENT

Date: May 9, 2017

Council Date: June 28, 2017

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

Contact Name: Tim Collins

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Presenter Name: Teresa K. Elliott, P.E., Chief Engineer

Purpose of proposed legislation and background information:

The Cascadia Subduction Zone at Bull Run Watershed Project (Project) is a unique opportunity to study paleoseismic records over a large distance and compare the shaking levels between onshore and offshore environments along similar latitude by linking the Bull Run Lake sedimentary records with the existing marine paleoseismic correlations.

The Project offers the opportunity to compare geologic evidence to model based estimations such as those currently used in the U.S. Geological Survey National Seismic Hazard maps. The Testing Linkages and Estimating Ground Motions at Bull Run Watershed supports the continuation of extensive paleoseismology work conducted by the Oregon State University Active Tectonics and Seafloor Mapping Laboratory on the Cascadia Subduction Zone.

The purpose of this legislation is to authorize the Water Bureau to enter into an Intergovernmental Agreement to 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.

Financial and budgetary impacts:


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. The proposed action will not result in a change staffing levels nor in the forecast water rates.

Community impacts and community involvement:

There are no impacts to the community.

Budgetary Impact Worksheet**Does this action change appropriations?**☐ YES: Please complete the information below.☒ NO: Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount


Michael Stuhr, P.E., Administrator

5/19/17

Date