

ORDINANCE No. 187756

Authorize Intergovernmental Agreement with Portland State University in the amount of \$31,250 to assess the dispersion and deposition of metals, including cadmium, arsenic, chromium and nickel in the Portland metro region. (Ordinance)

The City of Portland Ordains:

Section 1. The Council finds:

1. Residents from Portland neighborhoods have raised serious concerns about urban air toxics to elected officials at the City, County, Oregon State Legislature, and the Department of Environmental Quality, both now and in the past. In particular, residents who live close roadways, construction sites, or freight yards are concerned about their exposure to diesel particulate matter, which negatively impacts the health of the region. Meanwhile, those who live near industrial point sources are also concerned about acute and chronic exposure to hazardous air pollutants that are known or suspected of negatively affecting human health.
2. In February 2016, the Oregon Department of Environmental Quality (DEQ) reported findings of levels of cadmium, arsenic, and chromium above environmental risk thresholds in North and Southeast Portland near two glass manufacturers.
3. DEQ's report in early 2016 was the result of the agency's follow up on an exploratory study by scientists at the U.S. Forest Service to analyze levels of 22 heavy metals and other elements in urban moss, testing whether moss could be useful as a bioindicator to identify sources of metals and other elements and to develop distribution maps of these substances. The U.S. Forest Service study identified sources of heavy metals in Portland.
4. Cadmium, arsenic, chromium and nickel are among the metals and other elements that are hazardous to human health. Health effects from exposure to these metals depend on duration and amount of exposure and can include a variety of problems, including kidney failure and cancer. While state government indicates that it is unlikely that the level of metals detected in the air would cause any immediate health problems, experts are continuing to analyze data to determine potential long-term public health risks.
5. Researchers at Portland State University have proposed a project, entitled "Building Research Capacity for Understanding Sustainable Urban Atmospheres," to sample air, soil, moss, and potentially indoor surfaces and analyze metals dispersion at up to six sites over two years. The project will investigate the relationship between emissions and the metal levels in the air, soil, indoor surfaces, and moss, and test ways to rapidly assess the presence of metals in the environment using X-Ray fluorescence (XRF) analysis.
6. As an institution dedicated to an equitable and sustainable future through academic excellence, urban engagement, and expanding opportunity for all, Portland State University has the resources to complete the metals analysis project.

7. In consultation with state and federal agencies and community groups, researchers will select up to six sites over two years in the Portland metro area for study. The analysis will produce maps of metals dispersion in air, soil, moss, and potential indoor surfaces as well as analyze potential metals sources for the six sites.
8. Researchers propose beginning the first phase of sampling in June 2016 and developing preliminary reports by December 2016; the second phase of sampling and preliminary reporting will begin in April 2017 and conclude by December 2017. Researchers will develop final reports and presentations in early 2018.
9. The project is estimated to cost \$193,738.12 total. On April 27, City Council approved an allocation of \$31,250 from the City's Fiscal Year 2015-16 contingency for this project, subject to Council approval of the Intergovernmental Agreement included with this ordinance. In addition, Multnomah County has agreed to partner with Portland State University and the City of Portland to support this project.

NOW THEREFORE, the Council directs:

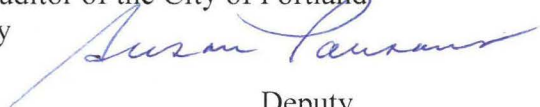
- a. The Commissioner of Public Safety is authorized to enter into an Intergovernmental Agreement with Portland State University, as outlined in a form substantially in accordance with the agreement attached as Exhibit A, upon approval to form by City Attorney.
- b. The Mayor and Auditor are hereby authorized to draw and deliver payment in the amount of \$31,250 to Portland State University chargeable to the Fiscal Year 2015-2016 Budget.
- c. The City Council hereby waives the competitive application process for grants as required in FIN 2.04 – Budget.

Section 2. This Ordinance shall be in full force and effect from and after its passage of the Spring Budget Monitoring Process by Council.

Passed by the Council: **MAY 25 2016**

Commissioner Steve Novick
Prepared by: Amy Adams
Date Prepared: 04/12/16

Mary Hull Caballero
Auditor of the City of Portland
By


Deputy

Agenda No. **ORDINANCE NO.**

187756

Title

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<p>INTRODUCED BY Commissioner/Auditor: Novick</p>	<p>CLERK USE: DATE FILED <u>MAY 10 2016</u></p>
<p>COMMISSIONER APPROVAL</p> <p>Mayor—Finance and Administration - Hales</p> <p>Position 1/Utilities - Fritz</p> <p>Position 2/Works - Fish</p> <p>Position 3/Affairs - Saltzman</p> <p>Position 4/Safety - Novick <i>[Signature]</i></p>	<p>Mary Hull Caballero Auditor of the City of Portland</p> <p>By: <i>[Signature]</i> Deputy</p>
<p>BUREAU APPROVAL</p> <p>Bureau: Bureau Head:</p>	
<p>Prepared by: Katie Shriver Date Prepared: May 9, 2016</p>	<p>ACTION TAKEN:</p> <p>MAY 18 2016 PASSED TO SECOND READING MAY 25 2016 9:30 A.M.</p>
<p>Impact Statement</p> <p>Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/></p>	
<p>Portland Policy Document</p> <p>If "Yes" requires City Policy paragraph stated in document.</p> <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>City Auditor Office Approval: required for Code Ordinances</p>	
<p>City Attorney Approval: required for contract, code, easement, franchise, comp plan, charter <i>GF</i></p>	
<p>Council Meeting Date May 18, 2016</p>	

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

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