

ORDINANCE No. 188379

Authorize contract with Brown and Caldwell, Inc. for engineering services for the Columbia Blvd. Wastewater Treatment Plant Waste Gas Burner Replacement Project No. E10649 for the amount of \$293,939 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Columbia Blvd. Wastewater Treatment Plant (CBWTP) provides wastewater treatment for the City of Portland, in accordance with State of Oregon Department of Environmental Quality (DEQ) issued National Pollutant Discharge Elimination System (NPDES) permit requirements.
2. The release of biogas to the atmosphere is regulated under a site specific DEQ air quality permit, and requires destruction of greenhouse gasses prior to release. To that effect, the WGB system provides flaring of excess digester biogas. Under normal plant operations, the majority of biogas produced is beneficially used, and approximately 23% of the Plant's biogas is flared.
3. This WGB Replacement project was identified as a need by the CBWTP Staff in 2012, and approved as a Rehabilitation, Repair & Modification (RR&M) Project in 2014. The WGB system was installed in 1977 and last improved in 1983.
4. The current system relies on an unsafe ignition method for the flares, and is severely corroded. Additionally, the biogas system does not have sufficient controls to allow for safe ignition, accurate biogas accounting, and efficient changes in operating procedure to accommodate changes in production and demand for beneficial use.
5. The replacement of the WGB will enhance the safety and reliability of the flaring system, increasing safety for City Staff, improved greenhouse gasses destruction, and automate control and monitoring systems, improving the accounting of beneficial use of biogas at CBWTP.
6. The Bureau of Environmental Services (BES) needs to improve the safety and reliability of the Waste Gas Burner (WGB) system at CBWTP.
7. Brown and Caldwell, Inc. (B&C) has been selected to provide engineering services, bidding and construction support services for this WGB Replacement project. The consultant selection was conducted in accordance with Chapter 5.68 of the Code of the City of Portland (RFP #00000402).
8. The estimated cost is \$293,939. The level of confidence in this cost estimate is high. The D/M/W/ESB participation is 31.3% of the total contract amount. Funds are available in the Sewer System Operating Fund, FY2017 Budget, Bureau of Environmental Services, WBS E10649.

NOW, THEREFORE, the Council directs:

- a. The Commissioner-in-Charge is authorized to execute a contract with Brown & Caldwell, Inc. for the purposes described in Section 1, in the amount of \$293,939.

188379

- b. The Mayor and City Auditor are hereby authorized to pay for the contract from the Sewer System Operating Fund Budget.

Passed by the Council,
Commissioner Nick Fish

MAY 24 2017

Scott T. Gibson, PE
April 12, 2017

Mary Hull Caballero
Auditor of the City of Portland
By *[Signature]*

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Deputy

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Agenda No. 188379
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Title

✓ Authorize contract with Brown and Caldwell, Inc. for engineering services for the Columbia Blvd. Wastewater Treatment Plant Waste Gas Burner Replacement, Project E10649, for the amount of \$293,939 (Ordinance)
No. an estimated

<p>INTRODUCED BY Commissioner/Auditor: <u>Ted Wheeler / Nick Fish</u></p> <p>COMMISSIONER APPROVAL</p> <p>Mayor—Finance and Administration - Wheeler <u>BD</u></p> <p>Position 1/Utilities - Fritz <u>NT</u></p> <p>Position 2/Works - Fish <u>NT</u></p> <p>Position 3/Affairs - Saltzman</p> <p>Position 4/Safety - Eudaly</p> <p>BUREAU APPROVAL</p> <p>Bureau: Environmental Services Bureau Head: Michael Jordan <u>with Michael Jordan</u></p> <p>Prepared by: Scott T. Gibson, PE Date Prepared: April 12, 2017</p> <p>Financial Impact & Public Involvement Statement Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/></p> <p>Portland Policy Document If "Yes" requires City Policy paragraph stated in document. Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p>City Auditor Office Approval:</p> <p>✓ City Attorney Approval: <u>EA</u></p> <p>Council Meeting Date May 17, 2017</p>	<p>CLERK USE: DATE FILED <u>MAY 09 2017</u></p> <p>Mary Hull Caballero Auditor of the City of Portland</p> <p>By: <u>[Signature]</u> Deputy</p> <p>ACTION TAKEN:</p> <p>MAY 17 2017 PASSED TO SECOND READING MAY 24 2017 9:30 A.M.</p>
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<p align="center">AGENDA</p> <p>TIME CERTAIN <input type="checkbox"/> 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"/> Total amount of time needed: _____ (for presentation, testimony and discussion)</p>

FOUR-FIFTHS AGENDA	COMMISSIONERS VOTED AS FOLLOWS:		
		YEAS	NAYS
1. Fritz	1. Fritz	✓	
2. Fish	2. Fish	✓	
3. Saltzman	3. Saltzman	✓	
4. Eudaly	4. Eudaly	✓	
Wheeler	Wheeler	✓	