

ORDINANCE No. 185872

Authorize contract with HDR Engineering, Inc. for professional engineering services for the Columbia Boulevard Wastewater Treatment Plant Biogas Utilization Project E10033 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Bureau of Environmental Services (BES) owns and operates the Columbia Boulevard Wastewater Treatment Plant (CBWTP), which treats the City's wastewater in accordance with State of Oregon Department of Environmental Quality (DEQ) issued NPDES permit requirements.
2. Currently, the CBWTP produces approximately 550 million cubic feet annually of digester gas, or biogas, from its anaerobic digestion processes. Of which, approx 20% is used on site for digester and building heating boilers, 20% is sold to a nearby industrial user, 40% is used for the cogeneration process (power generation and heat recovery), the remaining 20% is flared though a waste gas burner onsite.
3. CBWTP installed a cogeneration facility on site in late 2008, and since its start-up, it has successfully offset approx 40% of electrical power used on site annually.
4. This project would utilize the remaining 20% portion of the biogas, which is being flared, for beneficial use.
5. HDR Engineering, Inc. has been selected to provide engineering services, bidding and construction support services for this Biogas Utilization project. The consultant selection was conducted in accordance with Chapter 5.68 of the Code of the City of Portland (RFP #BES123).
6. The baseline alternative in this project is to expand the cogeneration facility to utilize the remaining portion of the biogas, based on the experience and successful beneficial use from the existing CBWTP cogeneration system. During the pre-design phase of this project, the project team will also evaluate other alternatives to the baseline cogeneration alternative, to ensure the best and the most effective alternative for beneficial use of the remaining portion of the biogas is selected.
7. Based on the conclusion and recommendation from the project pre-design, the scope of work and fees for HDR to complete design and support construction will be negotiated.
8. This council item is for the pre-design phase of the project only. At the conclusion of the pre-design, BES will report back to the City Council with findings and recommendations to obtain approval, through an additional ordinance, to proceed with completion of the project.
9. The established cost for pre-design phase is \$298,600. The level of confidence rating for this estimate is optimal. The percentage of M/W/ESB participation is 19.5% of the contract amount. Funds are available in the Sewer System Operating Fund, FY 12-13 Budget, Bureau of Environmental Services, WBS E10033.

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NOW, THEREFORE, the Council directs:

- a. The Commissioner of Public Affairs is authorized to execute a contract with HDR Engineering, Inc. for the purpose described in Section 1, in the amount of \$298,600.
- b. 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.

Passed by the Council, JAN 30 2013
Dan Saltzman
Commissioner of Public Affairs

Scott T. Gibson
December 21, 2012

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LaVonne Griffin-Valade
Auditor of the City of Portland

By



Deputy

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Agenda No.
ORDINANCE NO.
 Title

185872

Authorize contract with HDR Engineering, Inc. for professional engineering services for the Columbia Boulevard Wastewater Treatment Plant (CBWTP) Biogas Utilization, Project E10033. (Ordinance)

<p>INTRODUCED BY Commissioner/Auditor: <u>Saltzman</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</p> <p>BUREAU APPROVAL</p> <p>Bureau: Environ Services Bureau Head: Dean Marriott</p> <p>Prepared by: Scott T. Gibson Date Prepared: Dec 21, 2012</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>Council Meeting Date January 23, 2013</p> <p>✓ City Attorney Approval</p>	<p style="text-align: right; color: blue;">JAN 17 2013</p> <p>CLERK USE: DATE FILED _____</p> <p style="text-align: center;">LaVonne Griffin-Valade Auditor of the City of Portland</p> <p>By: <u>[Signature]</u> Deputy</p> <p>ACTION TAKEN:</p> <p style="text-align: center; font-weight: bold;">JAN 23 2013 PASSED TO SECOND READING JAN 30 2013 9:30 A.M.</p>
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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	✓	
2. Fish	2. Fish	✓	
3. Saltzman	3. Saltzman	✓	
4. Novick	4. Novick	✓	
Hales	Hales	✓	