RESOLUTION No. 37402

Authorize the Water Bureau's Preferred Alternatives to plant capacity, location, and filtration technology for the Bull Run Filtration Project (Resolution)

WHEREAS, in August 2017, City Council approved Resolution No. 37309 to comply with Oregon Health Authority's (OHA) order to treat drinking water from the Bull Run Watershed for *Cryptosporidium*, as required by the Long Term 2 Enhanced Surface Water Treatment Rule (LT2), by submitting a compliance plan and proceeding with planning, design, and construction of a filtration plant; and

WHEREAS, in September 2017, Portland Water Bureau initiated the Bull Run Filtration Project and identified, as part of the pre-planning task of the Planning Phase, four key questions related to filtration of the Bull Run water supply: project delivery (procurement) method, plant capacity, location, and filtration technology; and

WHEREAS, in December 2017, OHA and the Water Bureau signed a bilateral compliance agreement and established a compliance schedule for meeting the requirements of LT2 that requires a filtration facility to be operational by September 30, 2027; and

WHEREAS, the Water Bureau facilitated an extensive public outreach campaign through online surveys, social media, stakeholder interviews, and a community forum to answer questions and hear community feedback on the Bull Run Filtration Project; and

WHEREAS, the Water Bureau evaluated the four key questions and determined preferred alternatives with the aid of a decision-making framework as well as stakeholder and community values identified through the public outreach process; and

WHEREAS, in August 2018, the Water Bureau shared its four preferred alternatives with City Council and the public at a City Council work session; and

WHEREAS, the process and alternative evaluations used to arrive at the preferred alternatives are documented in an Executive Summary attached herein as Exhibit A; and

WHEREAS, the Water Bureau (1) identified a preferred procurement method of Construction Management/General Contractor; (2) identified a preferred filtration plant capacity range of 145 million gallons per day (mgd) to 160 mgd, with a target of 160 mgd; (3) identified a preferred filtration plant location at Carpenter Lane; and (4) a preferred filtration technology of granular media filtration; and

WHEREAS, in August 2018, City Council approved Ordinance No. 189146 authorizing an exemption to the competitive bidding requirements, and authorized use of alternative procurement.

NOW THEREFORE, BE IT RESOLVED, that City Council has reviewed the Executive Summary attached as Exhibit A and authorizes the Bull Run Filtration Preferred Alternatives related to Bull Run Filtration Project's plant capacity, location, and filtration technology.

Adopted by the Council: DEC 1 2 2018

Commissioner Amanda Fritz David Peters November 20, 2018 Mary Hull Caballero
Auditor of the City of Portland

By

Deputy

Agenda No. RESOLUTION NO. 37402

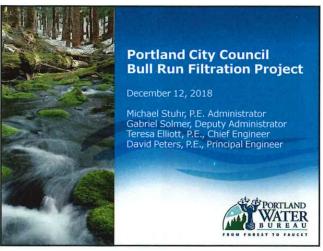
Title

Authorize the Water Bureau's Preferred Alternatives to plant capacity, location, and filtration technology for the Bull Run Filtration Project (Resolution)

	CLEDK LIGHT PATE FILED DEC 0 4 2018
INTRODUCED BY Commissioner/Auditor:	CLERK USE: DATE FILED
Commissioner Amanda Fritz	
COMMISSIONER APPROVAL	Mary Hull Caballero
Mayor—Finance & Administration - Wheeler	Auditor of the City of Portland
1 901	
	By: Turan Farrans
Position 2/Works - Fish	Deputy
Position 3/Affairs - Saltzman	
Position 4/Safety - Eudaly	ACTION TAKEN:
BUREAU APPROVAL	*
Bureau: Water	
Bureau Head: Michael P. Stuhr, P.E.	
Dear and his Devid Determ	•
Prepared by: David Peters Date Prepared: November 20, 2018	
Impact Statement	
Completed Amends Budget	
Portland Policy Document	
If "Yes" requires City Policy paragraph stated in document.	
Yes □ No ⊠	
City Auditor Office Approval: required for Code Ordinances	To the state of th
City Attorney Approval: required for contract, code, easement, franchise, comp plan, charter	
Council Meeting Date:	
December 12, 2018	

AGËNDA		
TIN	IE CERTAIN ⊠	
Sta	rt time: <u>10:45 AM</u>	
	al amount of time needed: 25 min presentation, testimony and discussion)	
co	NSENT	
RE	GULAR	
	tal amount of time needed: presentation, testimony and discussion)	

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



Why are we here today?

✓ Authorize the Water Bureau's recommended alternatives for filtration capacity, location and technology.

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Bull Run Filtration Project

Why do we need filtration? Filtration improves public health by removing Cryptosporidium (crypto) from the water 2017 EPA passes a new Portland develops Low level detections show unique program to protect Portland's water regulation to protect protecting Portland water at the source is no longer sufficient to against crypto. keep crypto out of the water, from sources of crypto, the program is OHA requires further successful for 5 years (2011 to 2016) treatment, Portland chooses the EPA approved Filtration. The Bull Run Filtration Project continues the City's commitment to serving the best possible water to Portland customers.

3

Filtration also provides other benefits

- Makes Portland's water safer by removing microorganisms
- ✓ Makes our Bull Run supply more reliable
- ✓ Allows Bull Run to be used after an emergency, such as a fire
- May reduce the amount of chlorine needed for disinfection and the amount of disinfection byproducts.
- ✓ Prepares us to respond to future regulations



Community Conversations

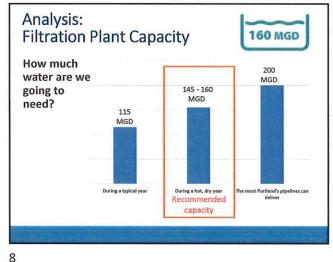
Prioritizing public outreach and communication to guide this work

- Online survey
- Digital/social media outreach
- ✓ Stakeholder interviews
- November 8th Community Forum
- Ongoing outreach with potential project neighbors

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Filtration Plant Capacity



Recommended capacity: 145 to 160 MGD

- ✓ Continues Bull Run as Portland's main water supply, meeting demands on most days in most years
- Manages costs by matching filtration plant size to expected water use
- ✓ Allows for future expansion if needed

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Analysis: Filtration Plant Location
Where should the filtration plant be located?

Analysis: Filtration Plant Location
Where should the filtration plant be located?

Analysis: Filtration Plant Location
Washington Plant Locatio

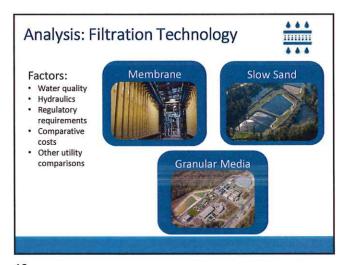
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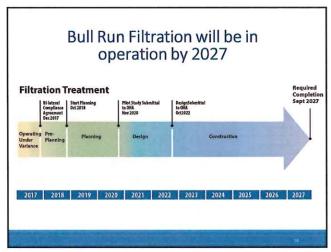
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Filtration Technology Recommended filtration technology: granular media filtration Proven technology that produces excellent water quality Lowest cost technology that can meet desired water quality Very flexible — it can be adapted to different water conditions and new water quality requirements Fits on the filtration plant site with room to grow in the future



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Next Steps For City Council

- ✓ Authorize a design contract, summer 2019
- ✓ Authorize a professional services contract with the Construction Manager/ General Contractor (CM/GC), end of 2019

Questions?

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ORDINANCE NO. 189146

Approve findings to authorize an exemption to the competitive bidding requirements and authorize the use of the alternative contracting method of Construction Manager/General Contractor in connection with the Bull Run Filtration Project for an estimated amount of \$350,000,000 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

- The Portland Water Bureau is a water utility that provides drinking water nearly 1
 million people. The Water Bureau strives to provide the highest quality water to
 enhance public health and safety, and contribute to the economic viability and
 livability of the Portland metropolitan region.
- 2. In 2006, the U.S. Environmental Protection Agency (EPA) issued a federal drinking water rule called the Long Term 2 Enhanced Surface Water Treatment Rule (LT2) that required water utilities to treat for the pathogen *Cryptosporidium*. In 2009, the Water Bureau presented LT2 compliance options to the Portland City Council, and Council directed the Water Bureau to pursue a variance to the rule (Resolution 36720).
- In 2012, the Water Bureau obtained a 10-year variance from Oregon Health
 Authority (OHA) subject to a set of conditions that included maintaining an
 exceptionally low concentration of *Cryptosporidium* in ongoing raw water sampling.
- 4. Between January and March 2017, a total of 19 Cryptosporidium oocysts were found in 14 water samples from the Bull Run Watershed. In May 2017, the Water Bureau was informed by OHA that the variance was being revoked as a result of the lowlevel detections of *Cryptosporidium* in January through March of 2017.
- 5. The number of *Cryptosporidium* oocysts detected showed that the Water Bureau was no longer able to demonstrate an equivalent level of *Cryptosporidium* from untreated Bull Run water that would be expected with treatment. The City reviewed treatment options with City Council and community partners. In August 2017, Portland City Council voted to build a water filtration treatment facility to meet the treatment requirements for *Cryptosporidium*. On December 18, 2017, the Water Bureau entered into a Bilateral Compliance Agreement with OHA.
- The goal of the Bull Run Filtration Project (Project) is to design and construct a filtration treatment facility on a schedule as outlined in the Bilateral Compliance Agreement.
- 7. The Project will require specialized skills and expertise in the construction of a largescale treatment facility including all disciplines of engineering and architecture.

- The construction work will require a highly specialized and qualified contractor to meet the project schedule, technical process requirements, and coordination with water system operations.
- An alternative contracting method utilizing a Construction Manager/General Contractor (CM/GC) will allow the Water Bureau to select the most qualified contractor with the necessary specialized skills and expertise for the Project.
- 10. The Water Bureau proposes to use the CM/GC contracting method which will allow construction input during the design process through value engineering, constructability review that will assist in developing a construction phasing plan, and to assist in the permitting processes. Use of an alternative contracting method is more likely to minimize costs and construction impacts thereby ensuring continuous delivery of high quality water.
- 11. The City Council is the Local Contract Review Board with the authority to exempt certain public contracts from the competitive bidding requirements of ORS Chapter 279C.
- 12. Findings addressing competition, operational, budget and financial data, public benefits, value engineering, specialized expertise required, public safety, market conditions, technical complexity, funding sources, and costs recommended by the Water Bureau were available 14 days in advance of the public hearing of this ordinance.
- 13. The exemption of the Bull Run Filtration Project from the requirements of competitive bidding under ORS Chapter 279C is unlikely to encourage favoritism in the awarding of public contracts or substantially diminish competition for public contracts because the contract will be selected through a competitive Request for Proposals ("RFP") process.
- 14. The RFP for the CM/GC procurement will be published in Portland's Daily Journal of Commerce. Notification of the City Council hearing will be published in Portland's Daily Journal of Commerce 14 days before the hearing. Once approved by City Council, the RFP for a CM/GC will be advertised on the City of Portland Online Procurement Center (BuySpeed). As a result of using the competitive bid process, the use of an alternative contracting method for the Project is unlikely to encourage favoritism in the awarding of public contracts.
- 15. The award will potentially result in cost savings to the public because the CM/GC will be integrated into the design team for value engineering, constructability review, and assistance in developing a construction phasing plan. The early integration will potentially reduce the chances of redesign and change orders. Developing a well-coordinated project schedule and ensuring continuous delivery of potable water are

significant advantages of the CM/GC process. An extensive discussion of the CM/GC procurement method is noted in the Factual Findings, Exhibit A.

16. The estimated total for the CM/GC contract is approximately \$350,000,000.

NOW, THEREFORE, the Council directs:

- a. The Findings, attached as Exhibit A to this Ordinance, are hereby adopted.
- The Bull Run Filtration Project is hereby exempt from the competitive low bidding requirements of ORS Chapter 279.
- c. The Chief Procurement Officer is authorized to use a competitive Request for Proposal process to select a CM/GC contractor for the Project, and upon selection of the contractor, authorized to execute a contract for CM/GC pre-construction services during the design of the Project, provided that the contract has been approved as to form by the City Attorney.
- d. Upon Council's acceptance of the Chief Procurement Officer's report for recommending the acceptance of the Guaranteed Maximum Price from the CM/GC for the Project, the Chief Procurement Officer is authorized to execute a contract for construction of the Project, provided that the contract has been approved as to form by the City Attorney.
- e. 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.
- f. As required by ORS 279C.355 and PCC 5.34.820B, the Water Bureau will prepare a post-project evaluation to the Chief Procurement Officer on behalf of City Council, within 30 days of the date the City accepts the Project.

Passed by the Council, AUG 2.9 2018

Commissioner Nick Fish Prepared by: David Peters July 18, 2018 Mary Hull Caballero
Auditor of the City of Portland

Deputy

Agenda No.

ORDINANCE NO. 189146

Title

Approve findings to authorize an exemption to the competitive bidding requirements and authorize the use of the alternative contracting method of Construction Manager/General Contractor in connection with the Bull Run Filtration Project for an estimated amount of \$350,000,000 (Ordinance)

INTRODUCED BY Commissioner/Auditor: Commissioner Nick Fish	CLERK USE: DATE FILED AUG 1 4 2018
Commissioner Nick Fish COMMISSIONER APPROVAL Mayor—Finance & Administration - Wheeler Position 1/Utilities - Mitz Position 2/Works - Fish Position 3/Affairs - Saltzman Position 4/Safety - Eudaly BUREAU APPROVAL Bureau: Water Bureau Head: Michael Stuffr Prepared by: David Peters Date Prepared: July 18, 2018 Impact Statement Completed Amends Budget Portland Policy Document If "Yes" requires City Policy paragraph stated in document. Yes No City Auditor Office Approval: required for Code Ordinances City Attorney Approval: required for contract, code, easement, franchise, comp plan, charter Council Meeting Date August 22,	Mary Hull Caballero Auditor of the City of Portland By: Deputy ACTION TAKEN: AUG 2 2 2018 PASSED TO SECOND READING AUG 2 9 2018 2 30 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
2018	

AGENDA	
TIME CERTAIN Start time:	
Total amount of time needed: (for presentation, testimony and discussion)	
CONSENT	
REGULAR 🛛	
Total amount of time needed: <u>20</u> (for presentation, testimony and discussion)	

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	V	
Wheeler	Wheeler		,



Bull Run Filtration Project

Today's actions authorize the planning and construction activities for the Bull Run Supply water filtration project.

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• Council chose filtration treatment

• OHA Bilateral Compliance
Agreement - filtration operational
by Sep 30, 2027

• Received 3 proposals for the

Services

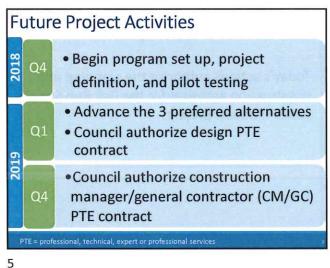
Program Management and Support

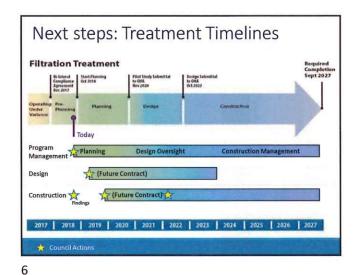
• Council ordinances for Program
Management and Support
Contract and Alternative
Procurement

• Submit letter of interest for Water
Infrastructure Finance and
Innovation Act (WIFIA) funding

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Project Budget

Program Management Contract: \$67,891,398

CM/GC Contract Estimate: \$350,000,000

Total Project Budget: \$500,000,000

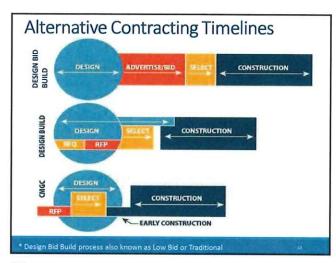
Program Management and Support Contract

- Formal PTE Request for Proposal Process
- 3 Proposals were received
- Brown & Caldwell was selected
- 5 year contract with possible 5 year extension

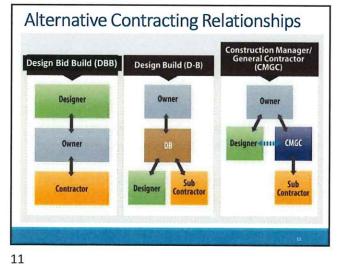
Program Management and Support Contract D/M/W/ESB Participation

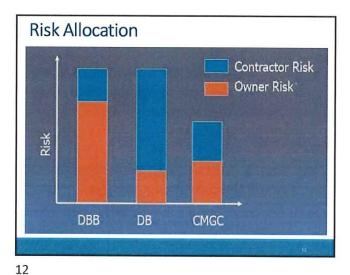
- Proposed 22% D/M/W/ESB* participation
- Estimated to be \$14,936,000

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Alternative Contracting Analysis

- · Project team assessed the options
 - o Design Bid Build
 - o Design Build
 - o CM/GC
- Recommended Option CM/GC

CM/GC Solicitation Process Findings

Competitive Bidding Requirements

- · Does not discourage competition
- Likely lower cost
- Specialized expertise required
- Faster total delivery (design and construction)
- · More control of the integration and operations
- · More efficient use of Rate-Payer funds
- Better cost control
- Public benefits

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CM/GC Solicitation Process

- Alternative project delivery method allows PWB actual contracting authority to meet or exceed the City's D/M/W/ESB participation goals
- Community Benefits Agreement will be used on the construction project

Recommendation

- Authorize Chief Procurement Officer to execute the program management contract with Brown & Caldwell
- Accept the findings and authorize exempting this project from the low bid process
- Authorize the use of the CM/GC Alternative Contracting process

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Questions?

Thank you!

	*	



LUP Hearings < lup-hearings@multco.us>

#T3-2022-16220: Additional Documents

Cottrell CPO <cottrellcpo@gmail.com> To: LUP Hearings < LUP-hearings@multco.us> Mon, May 5, 2025 at 10:57 AM



External Sender - Be Suspicious of Attachments, Links, and Requests for Payment or Login Information.

LUP,

With regards to the remand of T3-2022-16220, please accept the following documents to be added to the record.

- Portland City Council Resolution 37402
- Curriculum Vitae of Ian Courter and Lauren Courter

Please acknowledge receipt of this email.

Thank you, Cottrell CPO

2 attachments



37402 - December 2018.pdf



Courter-NR Experts-Resumes.pdf 634K