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New pipes in your area: what's happening now



Bull Run TREATMENT PROJECTS Filtration

Learn More:
portland.gov/bullrunprojects

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Bull Run TREATMENT PROJECTS

Our water: safe and abundant for generations to come.

Safe and Abundant for Generations to Come

The Bull Run Filtration Projects will provide consistent, high-quality drinking water that meets today's water quality standards and helps address future risks and regulations. The filtration facility will remove *Cryptosporidium* and other potential contaminants from the Bull Run supply, producing cleaner, safer water. The projects are required by the federal Safe Drinking Water Act and must be completed by September 30, 2027, under an agreement with the Oregon Health Authority.

Involving Neighbors

At the beginning of 2020, we started to design the new water filtration facility. Over the past months, we've incorporated community input to help guide initial design ideas for the facility and site layout.

Along with facility design, planning for new pipes is also moving forward. Pipe design is expected to start in 2021.

Learn more about our design process and share your feedback in an online open house from September 3–17. Topics include:

- Architectural design styles for facility structures
- Design strategies to manage light and sound
- Landscape design ideas for site buffers and edges
- Potential routes for new pipes

Share Your Input! Online Open House September 3–17, 2020

- Learn about work underway to plan and design the filtration facility and pipelines
- Share your feedback on preliminary design concepts for the facility and pipelines
- Learn more at: portland.gov/PWB_2020_OpenHouse

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
<i>Bilateral Compliance Agreement</i>	◆ Dec.										
Facility Planning											
<i>Pilot Study to OHA*</i>				◆ Nov.							
Pipeline Planning											
Facility Design											
<i>Design to OHA</i>						◆ Oct.					
Pipeline Design											
Facility Construction											
Pipeline Construction											
<i>Required completion OHA</i>											◆ Sep.

*Oregon Health Authority (OHA)

It takes about ten years to plan, design, and build a new filtration facility and pipelines. Facility design and pipeline planning are underway, and the projects are on track to be in operation by the required compliance deadline.

Next Steps to Select Pipe Routes

Our planning work has identified potential routes for new raw water pipes to carry Bull Run water to the facility where it will be treated, as well as new finished water pipes to carry treated water from the facility to the existing distribution system.

We're inviting your input on community considerations for the route alternatives we're currently considering (shown below). The potential pipe routes make use of our existing easements and public right-of-way where possible.

To share your feedback, visit: surveymonkey.com/r/PipelinePlanning_CommunityFeedback

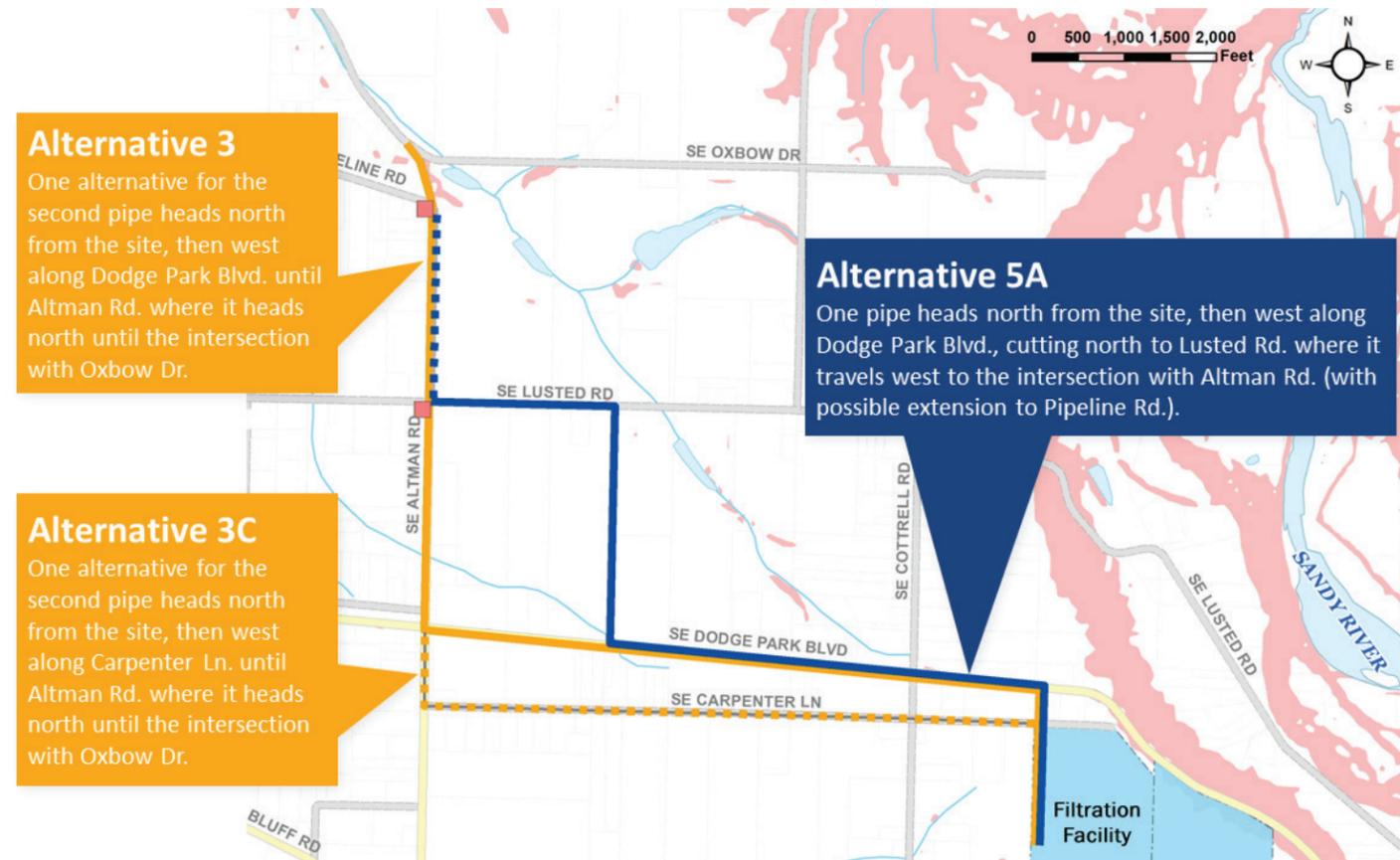
We'll incorporate community input, as well as the results of our engineering and field work, into the evaluation process to help identify preferred pipe routes this fall.



Over the past year, we've completed a variety of field studies to better understand environmental conditions along potential pipeline routes. We're using this information to help evaluate potential pipe routes.

Finished Water Pipe Route Alternatives

We're reviewing potential routes for two new finished water pipes that will carry treated water from the future filtration facility by gravity to the existing distribution system. The route alternatives currently being considered are largely in the public right-of-way and are shown in the figure below. The exact route locations will be determined during pipe design.



What to Expect During Pipe Design

We'll continue to share information and work with neighbors as we choose pipe routes and begin design. Design phase activities will include:

- Continuing outreach to neighbors
- Additional field work, including surveying, drilling, and environmental studies
- Determining new easement and property needs
- Developing plans and specifications for pipes, interties, and connections to existing pipes
- Developing traffic control plans

The new pipes will be designed to better withstand earthquakes. Having two pipes instead of one will also increase water system reliability by allowing future maintenance to occur without disrupting service.



Portland has been operating pipes in the area for more than 100 years. The new pipes will be built to modern seismic standards and will allow nearby segments of aging pipe to be retired.

Raw Water Pipe Route Alternatives

We're reviewing potential routes for two new raw water pipes that will carry water by gravity to the filtration facility where it will be treated. The route alternatives currently being considered make use of our existing easements where possible. The alternatives are shown in the figure below. The exact route locations will be determined during pipe design.

