



**Bull Run**  
TREATMENT  
PROJECTS

*Our water: Safe and abundant  
for generations to come*

PORTLAND WATER BUREAU  
**Bull Run Filtration Project**

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**Site Advisory Group**  
**Good Neighbor Agreement**

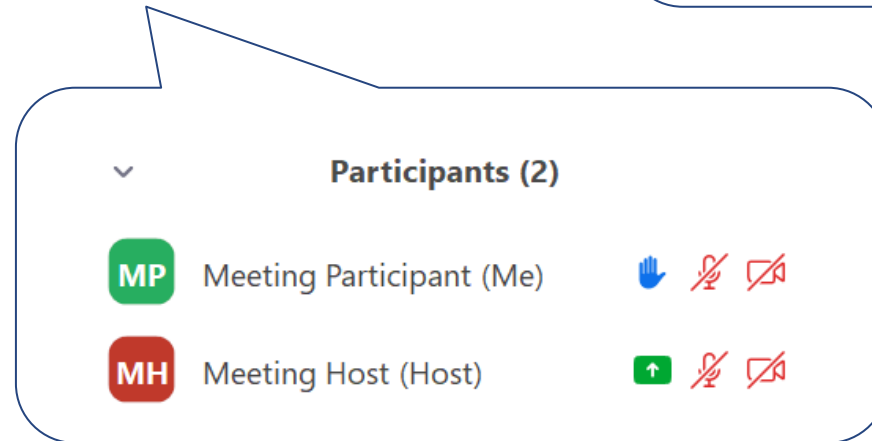
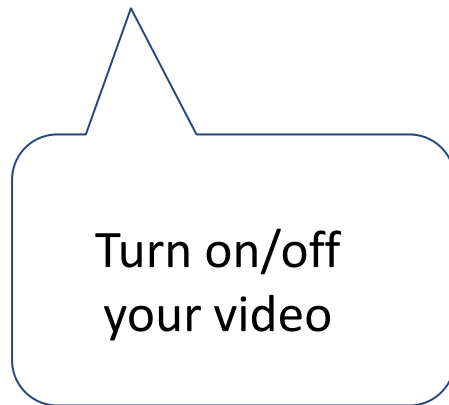
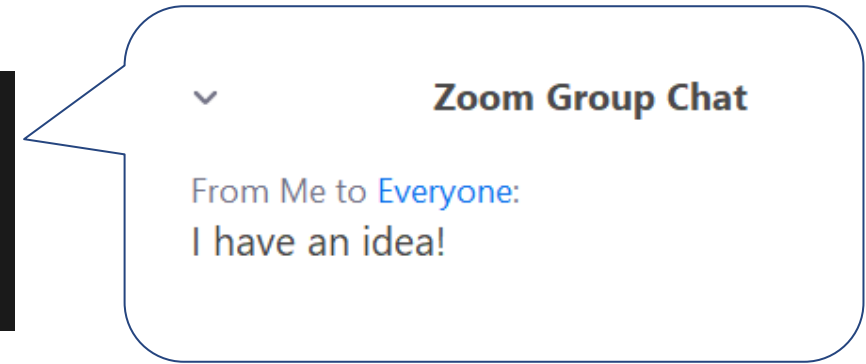


# Agenda

1. Introductions
2. Project Update
3. Community Feedback Highlights
4. Good Neighbor Agreement Process
5. Site Advisor Discussion
6. Next Meeting

# Conference call meeting tips

Using the Zoom tool bar, you can:



✓ We'll post the meeting recording on the website with a summary

# Who's on the line?



- Introduce yourself
- What's your favorite Halloween candy?

# Project Update

- Nearing completion of WIFIA loan negotiation, which will provide low-cost, long-term federal financing for the Bull Run Treatment Projects
- Work continues to construct improved corrosion control at Lusted Hill
- Continuing surveying work along potential pipeline routes
- Anticipate pipeline designer beginning work at the start of 2021
- Finalizing pilot study report for the Oregon Health Authority

# Community Feedback Highlights

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# Promotion for Online Open House

- ✓ Support from Site Advisors to spread the word
- ✓ Bull Run Treatment Projects e-newsletters
- ✓ Printed project update newsletter
- ✓ Printed open house notice postcard
- ✓ Facebook event post and regional advertising
- ✓ Project website event post
- ✓ Email distribution to stakeholders to co-promote
- ✓ Sandy Post press release



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**Join us for an Online Open House  
through Sept. 17, 2020**

Share your feedback on proposed plans and designs  
for a new water filtration facility and the pipes that  
will connect the facility to the water system.

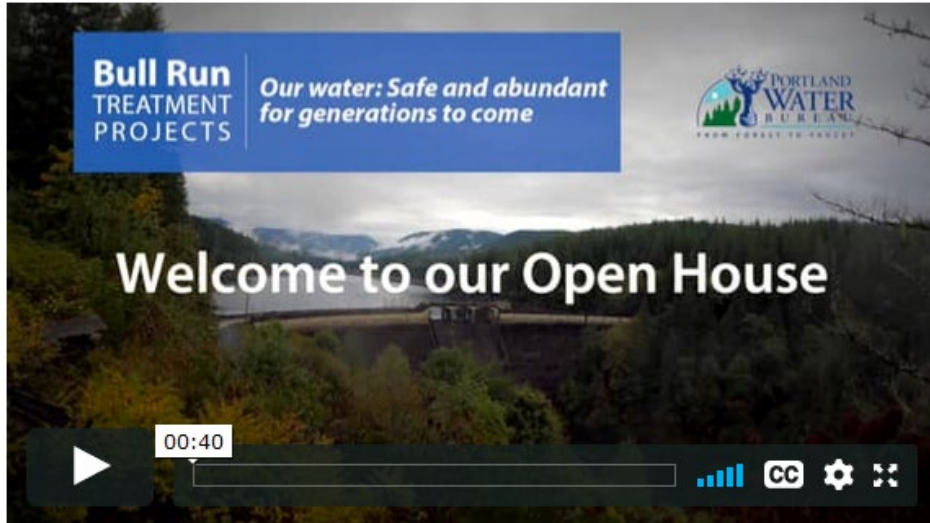
**Online open house:**  
[portland.gov/PWB\\_2020\\_OpenHouse](http://portland.gov/PWB_2020_OpenHouse)

LEARN ABOUT THE BULL RUN TREATMENT PROJECTS:  
[portland.gov/bullrunprojects](http://portland.gov/bullrunprojects)

 **PORTLAND  
WATER  
BUREAU**  
FROM FOREST TO FAUCET



# Community Feedback Highlights



## Online Open House Sept. 3-17

- 460 unique visitors and 32 responses

## Feedback Themes

- Design facilities to blend in and minimize community disruption
- Be cost-efficient, spend minimal amount needed
- Consider wildlife and space for animal habitat
- Design facilities with an aesthetic that ages well
- Consider wildfire defense and resilience
- Continue community outreach efforts



# Facility Visual Preferences

## Design Style

- About half of respondents liked the agrarian style, with Pacific Northwest style ranked a close second

## Design Elements

- Nearly half liked integration with landscape
- About one third liked warm natural materials, simple forms with modern update, and shed and gable roofs



## Feedback Excerpts

- Nothing fancy! Just a **simple, industrial building as economical as possible.**
- Consider how materials will **look and perform over time.**
- Facility should **draw as little attention as possible.**
- Put **as much as possible underground.**
- Like the Pacific Northwest style, but the **agrarian fits better** in the setting.
- Think about **seismic, geologic and weather events** in the building and grounds design.

# Lighting and Sound Preferences

## Top Ranked Lighting Strategies

1. Only light areas that need it
2. Be no brighter than necessary

## Top Ranked Sound Strategies

1. Enclosed equipment
2. Defined daytime work hours

## Feedback Excerpts

- **Less is more.** Minimum lights to provide safety and security.
- **Shield and focus lighting** to where it's needed.
- Minimize light pollution. **Lights should face down** rather than up/out.
- **Suppress sources of sound** so it's quiet everywhere.
- **Don't believe work hours should have a limit.** Too many emergency events.

# Site Edges Preferences

## Landscape Concepts

- Nearly half of respondents favored meadows with tree groupings
- About one third liked forest with understory

## Other Uses

- More than half favored a wildlife buffer
- Nearly half supported keeping space for agriculture



## Feedback Excerpts

- **Keep it as natural looking as possible.**
- **Agricultural look, native plants, buffer for wildlife**, including pollinators.
- **Preserve the views.** To the degree possible, **make the site invisible.**
- **Don't make this accessible to the public.** Scheduled tours only.
- **Create large, usable blocks of farmland.** Involve food (orchard/crop) to foster community involvement.
- **Minimize moving soil offsite** to minimize truck trips.
- Think about **fire-resistant space.**

# Pipeline Preferences

## Ranked Finished Water Alternatives

1. 3C Alternative
2. 3 Alternative

## Ranked Raw Water Alternatives

1. Tunnel North Alternative
2. Tunnel South Alternative
3. Open Cut Alternative

## Construction Duration

- More than half of respondents said shorter overall duration is better

## Feedback Excerpts

- **Separation of raw water lines** as much as possible given **resiliency** issues.
- Would like to stick to **more major roads**.
- Looked at options with the **least impact**, and hopefully the **most cost-effective**.
- A longer construction time with fewer traffic impacts sounds good, but **shorter construction would make locals happy**.

# Good Neighbor Agreement Process

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# Good Neighbor Agreement

- **Goal:** foster open communication by identifying and resolving community concerns early in the project
- **Outcome:** document that reflects the Water Bureau's commitments to filtration facility neighbors

## Organized by Topic

- Facility Architectural Design
- Lighting Design
- Sound Design
- Site Landscape Design
- Stormwater Management
- Construction Safety
- Operational Safety
- Communications

# Our commitment to neighbors

Examples of how the agreement will help guide the Bull Run Filtration Project include:

- **Design:** used by the designers to make sure the facility is well adapted to its rural setting and reflects suggestions from the Site Advisors
- **Construction:** followed by the contractor to minimize impacts during construction
- **Ongoing Operations:** followed by facility staff once construction is completed
- **Communications:** used by staff to keep neighbors informed and involved before, during, and after construction

# Sample Language: Communications

Commit to maintaining ongoing two-way communications with facility site neighbors throughout the life of the project to identify opportunities and resolve concerns.

Strategies will include:

- Providing regular project updates through the Bull Run Treatment Project e-newsletter
- Providing in-person or virtual informational updates and opportunities for discussion to Site Advisors either quarterly throughout design or at key design milestones
- Dedicating a communications lead throughout the life of the project, who will respond to emails or phone calls within two business days
- Maintaining up-to-date information on the project website ([portland.gov/bullrunprojects](http://portland.gov/bullrunprojects))



# Sample Language: Facility Architectural Design

Design the filtration facility structures to be as unobtrusive as possible to neighboring properties and to be in keeping with the agricultural and rural nature of the local surroundings.

Strategies will include:

- Designing structures with a low profile wherever operationally feasible
- Using natural-looking building materials and finishes that have muted, earth tones to help integrate the facility with the surrounding landscape
- Using design attributes of the agrarian architectural style to help the facility fit in with the surrounding community
- Fencing the minimum area needed for facility security and, where possible, using landforms and landscaping to help screen security fencing

# Sample Language: Facility Lighting Design

Use design best practices to help shield the filtration facility lighting at the source and minimize night-time impacts to neighboring properties and wildlife. The facility lighting will be designed to comply with Multnomah County's applicable lighting standards.

Strategies will include:

- Designing lighting levels to be no brighter than necessary for operational safety and facility security around and within the facility
- Using separate modes of lighting for regular operation and for safety and emergency scenarios
- Leveraging use of landforms and landscaping at site edges where possible to help shield facility lighting

# Sample Language: Site Landscape Design

Use various landscaping design strategies to help buffer and screen views of the filtration facility from neighboring properties.

Strategies will include:

- Designing landscape buffers that provide habitat for wildlife
- Using native forest with plant understory and meadow with stands of native trees to help buffer the facility from neighboring properties
- Leveraging best practices to reduce fire risk and irrigation and maintenance needs for landscaping near the facility process areas

# Milestones to develop Good Neighbor Agreement

**Oct. 8, 2020 Meeting**

**Good Neighbor Agreement Process**

**Nov. 12, 2020 Meeting**

Facility Operations Topic  
& **Draft Design- and Communications-related Language**

Jan. 14, 2021 Meeting

Facility and Site Design Topic

Feb. 11, 2021 Meeting

Facility Construction Topic

**Mar. 2021**

**Draft Operations- and Construction-related Language**

**Apr. 2021**

**Community Feedback**

**May 2021**

**Final Good Neighbor Agreement**

**Comments or Feedback?**

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# What's next?



## **Facility Operations**

Thursday November 12, 6-8 pm

## **Facility and Site Design**

Thursday January 14, 6-8 pm

## **Facility Construction**

Thursday February 11, 6-8 pm



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**Thank you!**

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