



- iii. Bonita shared the planned communication around upcoming field work from mid-February through April and asked for feedback on the best ways to provide notice to neighbors.
- b. Site Advisor input included preference for email notification of upcoming field work, suggestions to use roadside reader board signage to notify travelers of temporary lane closures, and a request to provide a map showing the locations of planned drilling work.

- i. Site Advisor questions included:

*What are the anticipated work hours and noise levels from the upcoming drilling work?* The drilling work will happen between 8 am to 4:30 pm Monday to Friday and is expected to take a few days at each location. The sound levels from the drilling work are expected to be 70 to 80 dbA (similar to the sound of a medium-sized tractor).

*Can you describe the soil types along the pipe routes and whether there are associated seismic concerns?* The design team has a variety of tools to address seismic challenges and will use the information from additional drilling along the routes to design the new pipes for seismic resilience. The routes generally have silts and silty gravels at the surface that change at deeper depths to the Springwater formation and then the Troutdale formation.

*How will travelers be notified of temporary lane closures?* The planned outreach around the field work this spring includes property owner engagement, website and e-news updates, doorhangers, and postcard notification. We'll also have flaggers and roadside reader boards where work is occurring in the right-of-way.

*What is the '100-foot easement'? Will the Water Bureau continue to use existing conduits in SE Lusted Road?* The Water Bureau has existing easements west of SE Lusted Road that will be used for one of the pipe routes. Portions of the existing conduits in SE Lusted Road will continue to be used to carry water to the new pipes.

### 3. Facility Progress

- a. Design team representative Casey Hagerman provided an update on Facility design progress, shared concept renderings and draft architectural guidelines for two types of structures at the Facility, and noted the team will begin detailed design development later this year.
  - i. Casey shared that the team is refining the preferred North Campus concept, including looking at locating the communications tower nearer the eastern tree line to reduce the visual impact. Casey also introduced the architectural 'Rolling Fields' design concept that seeks to blend the facilities with the surrounding landscape and incorporate elements of the Pacific Northwest and Agrarian styles that were preferred by the community.
  - ii. Site Advisors were invited to share reactions to concept renderings of the process and non-process building types at the Facility. Discussion included interest in opportunities for site neighbors to see view lines and provide input as design develops.
  - iii. Site Advisor questions included:



*How many staff will work at the Facility?* We're still evaluating staffing numbers but anticipate about 25 Facility personnel in total, including administrative, engineering, operations, and maintenance staff. The Facility will operate 24/7 and the number of staff working on site will vary depending on the time of day, with fewer staff on site at night.

*Will the Facility be open to the public?* We anticipate offering educational tours by appointment, but the Facility plan does not include a visitor's center or drop-in public access. Drinking water facilities are considered critical infrastructure and required to be secure by the Office of Homeland Security.

*What phase of design is the Facility in?* Preliminary design. About to begin 30 percent design.

*Will there be a south access that hugs the east side of the site? Will that access be used during construction?* The site access has not yet been determined. We're continuing to evaluate specific access requirements and looking at locations for access from both the north and south of the site. We'll share more information as that work progresses.

*How do the concept renderings fit with the goal of designing buildings with a low profile where operationally feasible?* The design team is considering views of the horizon, sky, and Facility in the design process and will continue to model perspectives and test view lines as design progresses. The height of the buildings is constrained by code limits (generally 35 feet with some exceptions for silos, antennae, etc.). The landscaping around the site edges will also help to screen views of the Facility from neighboring properties.

#### 4. Landscaping Design and Stormwater Strategy

- a. Design team representative Ben Ngan provided an update on landscaping design concepts and shared information about the stormwater management strategy for the Facility site.
  - i. Ben briefly described the varied preliminary design for landscaping, with a more natural approach for the site edges and a more managed approach for the Facility area. He also described the use of swales and basins to help manage runoff from new structures and paving.
  - ii. Adjacent neighbors were invited to share their reflections on stormwater challenges and opportunities. Discussion included the lack of infiltration on the site due to clay soil types and recognition that the majority of site runoff is to the west. Input included allowing plenty of room for stormwater detention on site and using conifer or similar plantings to help manage stormwater.
  - iii. Site Advisor questions included:

*Were there differences between the initial campus layout concepts in the stormwater management strategy?* No. The stormwater management strategy will include varied landscaping throughout the site as well as basins to manage runoff from large storms.

#### 5. Site Advisor Discussion

- a. Bonita invited additional feedback, comments, and discussion from Site Advisors and other guests attending the teleconference.
  - i. Site Advisor questions included:



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*How will the Water Bureau pay for the project? Have you been awarded a federal loan?* The project will be funded through wholesale and retail customer rates. To help manage increases in rates, we're currently negotiating a Water Infrastructure Finance and Innovation Act loan with the Environmental Protection Agency, which will provide long-term, low-cost project financing.

*What will the project cost?* The project has an estimated cost of \$820 million in 2019 dollars with an accuracy range of -30 percent to +50 percent. As we refine the design, our estimates will improve, and we will continue to evaluate and make design decisions to manage project costs.

## 6. Adjourn

- a. Bonita noted the next Site Advisory Group meeting on Thursday February 11 will focus on Facility Construction. She also noted that additional meetings in March and April will be scheduled to speak to other topics of interest.
- b. David thanked participants and adjourned the meeting.



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