



RiverRenew Stakeholder Advisory Group Meeting Summary

Meeting No. 3 / May 1, 2019

Meeting Attendees:

| RiverRenew Stakeholder Advisory Group* | Alexandria Renew Enterprises | City of Alexandria |
|--|------------------------------|--------------------|
| Andy Duncan | John Hill | Erin Bevis-Carver |
| Bill Hillner | Bill Dickinson | Abigail Harwell |
| Dan Bradfield | Bruce Johnson | |
| Erik Olson | Karen Pallansch | |
| Geoff Goode | Liliana Maldonado | |
| Ivy Whitlatch | Caitlin Feehan | |
| Kate MacKenzie | Sheeva Noshirvan | |
| Karen Halbrecht | Monica Billger | |
| Kathy Dismukes | Consultants | |
| | Justin Carl | |
| | Doug Chapin | |
| | Susan Mitchell | |
| | Kasey Kraft | |
| | Jim Ohnigian | |
| | Jenn Jordan | |
| | | |

*RiverRenew SAG members not in attendance: Liz Birnbaum, Mary Ann Burstein, and Ron LaFond.

The meeting convened at 7:00 p.m. Caitlin Feehan, RiverRenew Program Manager, welcomed the Stakeholder Advisory Group (SAG) and public attendees.

Ms. Feehan asked the SAG members to share their outreach efforts and experiences since the last SAG meeting on March 26.

Justin Carl, RiverRenew Program Advisor, and Doug Chapin, Third Party Manager, provided a technical update on the program. Highlights of the presentation included:

- An interactive tunnel boring machine tour.
- A demonstration of the scale model diversion facility.
- An update on the Environmental Assessment (EA) and City Development Special Use Permit (DSUP) processes.
- A high-level overview of the upcoming Community Listening Sessions.

Ms. Feehan concluded the presentation with an overview of next steps for the SAG prior to the Community Listening Sessions.

The following is a summary of the questions asked by the SAG members and the answers provided by the RiverRenew team.

Karen Helbrecht asked if the conveyor belt that removes soil as the TBM moves through ground gets longer as the tunnel moves forward.

Mr. Carl confirmed that is correct.

Ms. Whitlatch asked if there are any people working inside the machine.

Mr. Carl explained that TBMs of similar sizes typically had teams of 4-6 people.

Kathy Dismukes asked how many feet the TBM will move per day.

Mr. Carl explained that on average, the TBM is estimated to move about 40 feet per day.

Ms. Dismukes asked if AlexRenew will be able to purchase a previously used TBM for the program.

Mr. Carl explained that only new or re-manufactured TBMs would be allowed for the RiverRenew program. The TBMs are typically purchased by the contractor.

Erik Olson asked how much of the program's estimated cost goes toward a TBM.

Mr. Carl noted the TBM and associated equipment is estimated between \$10 and \$15 million dollars based on current cost estimates.

Mr. Olson asked how many jobs the RiverRenew program will create.

Mr. Carl indicated RiverRenew will look into this information.

Ms. Dismukes asked if modeling and design accounted for climate change.

Mr. Carl explained the performance of RiverRenew facilities were simulated under future rainfall conditions in the year 2100. Results showed that the proposed facilities met or exceeded current EPA targets. Additionally, RiverRenew facilities will be located above the existing 500 year floodplain. The RiverRenew team is currently preparing an informational handout to summarize how RiverRenew is adaptable and resilient.

Mr. Olson asked about the DSUP permit application process and whether it will take a position on the proposed alternatives.

Abigail Harwell (City of Alexandria) explained the tunnel system DSUP includes two alternatives at Outfall 001, one alternative at Outfall 002 and two alternatives for the Hooffs Run Tunnel.

Mr. Olson asked which organization(s) is writing the Environmental Assessment.

Mr. Carl explained it is a joint process between AlexRenew and the National Park Service (NPS).

Yvonne Callahan asked if RiverRenew will need to coordinate with the Army Corps of Engineers.

Mr. Carl noted that yes, RiverRenew is working with the Army Corps of Engineers for permits associated in and under the river.

Bill Hillner asked if Robinson Terminal North warehouse would be taken down as part of RiverRenew.

Mr. Carl explained that the warehouse would require demolition to construct the Outfall 001 diversion facility (if located at RTN but the responsibility of the warehouse demolition has not yet been determined.)

Ms. Whitlatch asked if construction at Outfall 001 will impact any historic sites nearby.

Ms. Harwell explained that activities at Outfall 001 will not impact any known historic sites.



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Ms. Dismukes asked if there are opportunities to incorporate educational elements into construction plans.

Mr. Carl indicated that incorporating such elements will be part of discussions around design.

Ms. Whitlatch asked about ventilation at the diversion facilities.

Mr. Carl explained that there will be a way for fresh air to get into the tunnel. At the surface, this will look like bar grating, similar to what is seen above a Metro station.

Andy Duncan asked why there are multiple alternatives for Outfall 001 under consideration.

Mr. Carl explained there are two alternatives are under consideration because one of them require coordination with a private owner for the use of property.

Mr. Olson asked who is working on an agreement with the owner of Robinson Terminal North.

Mr. Carl said that AlexRenew is working on this agreement.

Ms. Whitlatch asked if construction will close off the south end of the community gardens at Outfall 002.

Mr. Carl explained that access to the community gardens is not expected to be impacted during construction.

Other discussion points:

The meeting adjourned at 9:30 p.m.

The next SAG meeting will be scheduled and announced on riverrenew.com/upcoming-events.