RiverRenew Overview

To improve the waterways that connect us, AlexRenew is implementing RiverRenew to prevent 130 million gallons of combined sewage from polluting Alexandria’s local rivers and streams each year. Three out of four RiverRenew projects were completed at AlexRenew’s Water Resource Recovery Facility (WRRF) in 2020. The remaining project includes the construction of a new tunnel to connect AlexRenew’s WRRF to four existing combined sewer outfalls in Alexandria.

RiverRenew Tunnel Project Design-Build Schedule

<table>
<thead>
<tr>
<th>Project Component</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRRF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outfall 001</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outfall 002</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waterfront Tunnel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hooffs Run Interceptor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping Station</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

THREE-MONTH LOOK AHEAD

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 7, 2021</td>
<td>AlexRenew Board/City Council CSO Workgroup Meeting No. 10</td>
</tr>
<tr>
<td>Feb. 2021</td>
<td>Stakeholder Advisory Group Meeting No. 1</td>
</tr>
<tr>
<td>Feb. 2021</td>
<td>Community Listening Session</td>
</tr>
<tr>
<td>Feb. 2021</td>
<td>24/7 Construction Hotline Established</td>
</tr>
<tr>
<td>Through Mar. 2021</td>
<td>Permitting and Design Ongoing</td>
</tr>
</tbody>
</table>

SUMMARY OF MAJOR DELAYS

<table>
<thead>
<tr>
<th>Issue</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RiverRenew Tunnel Project Snapshot

The Tunnel Project includes the following major components: a two-mile-long, 12-foot-wide, 100-foot deep tunnel; a six-foot-wide sanitary sewer interceptor; diversion facilities to capture combined sewer discharges; and two pumping stations.

Legend

- Existing combined sewer outfall
- Waterfront Tunnel
- Hooffs Run Interceptor

Hooffs Run Interceptor

Construction:
Summer 2021-Summer 2024

Click here for an introduction to diversion facilities from two RiverRenew engineers.

Tunnel Dewatering and Wet Weather Pumping Station

Click here to watch an animated video about RiverRenew and learn how the Waterfront Tunnel will be constructed.

Tunnel Boring Machine

Pendleton Street Diversion Facility

Construction:
Fall 2021-Winter 2024

Click here for an introduction to diversion facilities from two RiverRenew engineers.

Royal Street Diversion Facility

Construction:
Fall 2021-Fall 2024
Status of RiverRenew Tunnel Project Components

Waterfront Tunnel

Update: Final design underway.

0%

Pendleton Street

Update: Final design underway.

0%

Royal Street

Update: Final design underway.

0%

Hooffs Run Interceptor

Update: Final design underway.

0%

Pumping Station

Update: Final design underway.

0%
RiverRenew Program Costs to Date

RiverRenew Spend to Date by Locality

- Alexandria (1 vendor) - $26.6M
- Northern Virginia (13 vendors) - $13.5M
- Other Virginia (7 vendors) - $3.1M
- Maryland (6 vendors) - $20.8M
- Washington, D.C. (2 vendors) - $7.4M
- Non-Local (18 vendors) - $8.5M

Total = 47 vendors to date

RiverRenew Cash Flow Analysis

Current Planned Projection:
- Total Program Spend to Date
- Anticipated Projection Based on Tunnel Project Award
- Total Fairfax County Spend to Date
- Total AlexRenew Spend to Date

Total Program Spend to Date: $79,894,506

Anticipated Projection Based on Tunnel Project Award: $615M

Total Fairfax County Spend to Date: $700 Million

Total AlexRenew Spend to Date: $600 Million

Date:
- 2017-2018
- 2019
- 2020
- 2021
- 2022-2023
- 2023-2024
- 2025
Community Events

Participating in or co-sponsoring community events strengthens AlexRenew’s relationship with its water and community partners.

Highlights:
• AlexRenew’s Artist-In-Residence sTo Len’s “Renewal” on display at the Torpedo Factory – 10/3/20-12/27/20

Community Days

Community days feature project-specific events to celebrate construction progress on the Tunnel Project and engage the community along the way.

Digital Programming

Digital programming keeps the community connected to RiverRenew, with regular program updates on RiverRenew.com, featured content on AlexRenew’s social media pages during “Tunnel Takeover Tuesdays,” and distribution of The River Renewer, a quarterly newsletter promoting updates and milestones to more than 500 contacts.

Highlights:
• A program update and social media post announcing Notice to Proceed issued on December 1
• An animated slideshow of the Building J demolition progress shared on social media
• The River Renewer, Winter 2020: Q4 email newsletter

Decommissioning and Demolishing

Buildling J

Learn more and check out our progress at RiverRenew.com/building-j

Education

Education initiatives are intended to engage audiences of all ages and help them learn more about RiverRenew and its technical components.

Highlights:
• New construction progress highlights, including promoting the completion of the RTN demo and final preparation of the Holland Lane Lot

Council-Board Workgroup

The Council-Board Workgroup comprises two members from AlexRenew’s Board of Directors and two members from the Alexandria City Council.

Next Meeting:
• January 7, 2021: 5:00–6:30 p.m.

Community Meetings

Community meetings are presentations given to various stakeholder groups, including the SAG, and community listening sessions. These presentations can be delivered in person or virtually.

Highlights:
• SAG members selected and notified

Looking Ahead:
• SAG members to be announced in early January 2021
• First SAG Meeting: February 2021
• Community Listening Session: February 2021
Monthly Construction Spotlight

Completing the 108 to 116 Million Gallons per Day Project

This month, AlexRenew delivered the first phase of RiverRenew with the on-time completion of the 108 to 116 Million Gallons per Day Project.

To reach this milestone, AlexRenew completed upgrades to and testing of six primary effluent pumps to increase their capacity from 108 to 116 million gallons per day. In November, these pumps were tested to ensure they met the design intent, achieving substantial completion of the project.

With the pumps up and running, this additional front-end capacity will help manage wet weather flows and assist in preventing 130 million gallons of combined sewage from entering local waterways.

Visit RiverRenew.com/front-end-capacity to watch a series of videos shared with the community about the expansion project.

Investing in Healthier Waterways for Alexandria

To learn more, visit www.RiverRenew.com