Heading Toward Healthier Waterways

Teaming Up with Traylor-Shea

Following approval by its Board of Directors in November 2020, AlexRenew awarded a $454.4 million contract to a joint venture of Traylor Bros., Inc., and J.F. Shea Co. to design and construct the RiverRenew Tunnel Project.

On December 1, AlexRenew issued Notice to Proceed, which formally starts work on the Tunnel Project. Currently, work is primarily focused on design and procurement of materials and equipment. Construction activities are not anticipated to begin until Spring 2021.

AlexRenew will host a Community Listening Session to meet the Traylor-Shea team in February 2021.

RiverRenew Project Schedule

SUMMARY OF MAJOR PERMITTING DELAYS

<table>
<thead>
<tr>
<th>Issue:</th>
<th>Impact:</th>
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<tbody>
<tr>
<td>Federal Government Shutdown 2019-2020</td>
<td>Delayed Environmental Assessment issuance by 2 months</td>
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<tr>
<td>Requirement for Programmatic Agreement Condition</td>
<td>Delayed Finding of No Significant Impact issuance by 9 months</td>
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<tr>
<td>Review Progress Hampered by COVID-19</td>
<td>Delayed National Park Service and United States Army Corps of Engineers permits by 7 months</td>
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THREE-MONTH LOOK AHEAD

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<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>
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<tr>
<td>Feb. 2021</td>
<td>24/7 Construction Hotline Established</td>
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The RiverRenew Tunnel Project

**Progress to Date**

**Major Permit Status**
- Finalizing National Park Service Construction/Right of Way and Bed of River Permits

**Easement Agreement Status**
**Remaining Easements:**
- Two private property easements finalized, closing pending

**Funding Status**
- $25 million grant appropriated by the Virginia General Assembly in April 2019
- Received preliminary approvals from the Virginia Clean Water Revolving Loan Fund (VCWRLF) and the Water Infrastructure Finance and Innovation Act (WIFIA)

**Site Investigation Status**
- 96 soil borings completed
- 12,786 linear feet drilled
- 2,221 geotechnical soil samples collected
- 100 environmental soil samples collected
- 31 groundwater monitoring wells installed
- 15 environmental groundwater samples collected

**Procurement Status**

- **Jun. 2019** Request for Qualifications Issued
- **Oct. 2019** Shortlist
- **Feb. 2020** Request for Proposals Issued
- **Jul. 2020** Last Addendum Issued
- **Sep. 2020** Proposals Submitted
- **Nov. 2020** AlexRenew Board Approval
- **Dec. 2020** Notice to Proceed

Current Status
RiverRenew Tunnel Project Components

The Tunnel Project will connect to four outfalls across the city and will prevent about 130 million gallons of combined sewage from entering our waterways each year. At Outfalls 001 and 002, below-ground diversion facilities will direct combined sewer flows into the Waterfront Tunnel. Outfalls 003 and 004 will be served by the Hooffs Run Interceptor, an open-cut pipeline.

Legend

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

Hooffs Run Interceptor

Construction: Summer 2021-Summer 2024

Tunnel Dewatering and Wet Weather Pumping Station

Diversion Facility

Pendleton Street Diversion Facility
Construction: Fall 2021-Winter 2024

Royal Street Diversion Facility
Construction: Fall 2021-Fall 2024

Click here for an introduction to diversion facilities from two RiverRenew engineers.
Current Construction Project Status
Three projects are currently underway at AlexRenew's Water Resource Recovery Facility (WRRF) to pave the way for the Tunnel Project.

108 to 116 MGD Expansion
Increase the primary pumping and front-end capacity of the WRRF from 108 to 116 million gallons per day (MGD).

Vendor: ACE  
Contract Amount: $2,665,000  
Construction Finish Date: December 2020  
Latest Project Updates:  
• Completed on December 11, 2020

Building J Facilities Relocation and Decommissioning
Relocation of critical WRRF facilities and building demolition.

Vendor: Clark Construction  
Contract Amount: $19,409,800  
Construction Finish Date: April 2021  
Latest Project Updates:  
• New Control Room completed, staff relocated in November  
• Building J demolished, excavation of basement ongoing

WRRF Site Security and Access
Upgrades to existing WRRF access points and security systems.

Vendor: Sorensen Gross Company  
Contract Amount: $1,527,000  
Construction Finish Date: September 2020  
Latest Project Updates:  
• Complete, finalizing punchlist items
Map of AlexRenew Construction Projects

Demolition of Building J

New Control Room in Building G

Completed South Bridge Pedestrian Path

WRRF Site Security and Access Project

108 to 116 MGD Expansion Project

Building J Facilities Relocation and Decommissioning Project

Other construction projects at WRRF

Project staging areas
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

- Total Program Spend to Date: $79,894,506
- Anticipated Projection Based on Tunnel Project Award: $615M

Current Planned Projection:
- Total Program Spend to Date
- Anticipated Projection Based on Tunnel Project Award
# RiverRenew Community Outreach

## Education

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

**Highlights:**
- A **series of interactive activities** explaining the RTN demolition
- A **video** highlighting the completion of the 108 to 116 MGD Expansion Project

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## 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 450 contacts.

**Highlights:**
- Press release and **announcements** on selection of Traylor-Shea to design and build the Tunnel Project
- Social media posts highlighting pre-construction progress at RTN, Jones Point Park, Building J, and the Holland Lane Lot
- **Fall** and **Winter** editions of *The River Renewer* e-newsletter delivered to stakeholders

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## 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
- Imagine a Day Without Water (Virtual Participation): 10/21/20
- National Drug Takeback Day (Virtual Participation): 10/24/20

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## Community Days

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

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## Community Meetings

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

**Highlights:**
- 2021-2022 RiverRenew SAG selected

**Looking Ahead:**
- AlexRenew Board/Alexandria City Council CSO Workgroup Meeting: 1/7/2021
Building J Project Hits Significant Milestone at AlexRenew

To pave the way for the Tunnel Project, an existing building at AlexRenew, known as Building J, required demolition. To accomplish this demolition, AlexRenew’s laboratory, locker rooms, and other vital systems were relocated to other buildings on the campus over the last year. This allowed building demolition to be completed in December 2020. Its removal will create enough space for two large shafts to be dug on AlexRenew’s campus to help facilitate construction of the Tunnel Project.

Solving a Century-Old Problem with RiverRenew

Watch an animated video about RiverRenew and learn how the Waterfront Tunnel will be constructed.

To learn more, visit www.RiverRenew.com

RiverRenew is a program owned and implemented by AlexRenew, Alexandria’s wastewater treatment provider.