



Agenda

Alexandria Renew Enterprises Board of Directors Meeting
Tuesday, December 15, 2020@ 6:00 p.m.
Virtual

No.	Item	Presenter	Action Required
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Due to Covid-19 pandemic emergency, the December 15, 2020 Alexandria Renew Enterprises Board of Directors meeting is being held electronically pursuant to Virginia Code Section 2.2.3708.2(A)(3), the Continuity of Government ordinance adopted by the City Council on June 20, 2020 and/or Section 4.0.00(g) in HB29 and HB30 to undertake essential business.

The Board of Directors and staff are participating from remote locations through a videoconference call on Zoom.

Links:

Topic: Regular Board of Directors Meeting

Register in advance for this webinar:

https://zoom.us/webinar/register/WN_jAa2oR38SeuyP-fLZEs7lQ

Submission of written statements is encouraged. Written statements may be emailed to the Board Secretary at lorna.huff@alexrenew.com.

Public comment will also be received at this meeting. If you wish to speak during public comment, please email or call the Board Secretary at (703) 721-3500 ext. 2260 in advance so you can be put on the speakers list. A recording of the meeting will be posted on the alexrenew.com website after the meeting.

1	Call To Order (6:00 p.m.)	Chairman	
2.	Approval of Agenda (6:02 p.m.)	Chairman	Approval
3.	Explanation of Required Procedures for an Electronic Meeting (6:05 p.m.)	Mr. Rak	Information
4.	Public Comment Period (6:17 p.m.)	Chairman	
5.	Consent Calendar (6: 20 p.m.) A. Minutes (Meeting held November 17, 2020) (Tab 1)	Chairman	Approval
6.	Unfinished Business (6:21 p.m.) A. None	Chairman	
7.	New Business (6:52 p.m.) A. Meet and Greet with Traylor-Shea Joint Venture	Chairman	
8.	CEO Recommendations & Reports (7:15 p.m.) A. Financial Report (November) (Tab 2) B. CEO Activity Report (November) (Tab 3)	Ms. Pallansch	Information
9.	Adjourn (7:30 p.m.)	Chairman	

Times shown in parentheses are approximate and serve as guidelines

If you need an interpreter, translator, materials in alternate formats or other accommodations to access this service, activity or program, please call (703) 721-3500 at least three business days prior to the meeting.

The next Board meeting is scheduled for Tuesday, January 19, 2021 @ 6:00 p.m.

Chairman- John Hill • Vice Chairman- Jim Beall
• Secretary-Treasurer-William Dickinson
• Members- Bruce Johnson, Adriana Caldarelli

Minutes of the 877th Meeting – Virtual
“Celebrating Over 60 Years of Continuous Environmental Excellence”
Alexandria Renew Enterprises
6:00 p.m., Tuesday, November 17, 2020

On Tuesday, November 17, the Alexandria Renew Enterprises Board of Directors held a virtual Board of Directors meeting with the following present:

Members: Mr. John Hill, Chairman
Mr. James Beall, Vice Chairman,
Mr. William Dickinson, Secretary-Treasurer
Mr. Bruce Johnson, Member
Ms. Adriana Caldarelli, Member

Staff: Ms. Karen Pallansch, General Manager & Chief Executive Officer
Ms. Liliana Maldonado, Deputy General Manager
Ms. Christine McIntyre, Director of Finance
Mr. Blake Hamilton, Director of Environmental Performance
Ms. Allison Deines, Senior Policy Analyst
Ms. Caitlin Feehan, RiverRenew Program Manager
Ms. Lorna Huff, Secretary to the Board

Counsel: Mr. Jonathan Rak, McGuireWoods LLP

Fairfax County Representative: Mr. Shahram Mohsenin, Director of Wastewater Planning Division

City Representative: Ms. Erin Bevis-Carver, Acting Division Chief
T&ES/Sanitary Sewer Infrastructure Division

Consultants: Mr. Justin Carl, Brown & Caldwell, Owner’s Advisor

Call to Order

The Chairman called the meeting to order at 6:04 p.m.

Approval of Agenda

The Chairman requested that members review the Agenda and inquired if there were changes. There being no changes, the Chairman requested a motion to approve the Agenda. Mr. Dickinson moved and Mr. Beall seconded. The Chairman called the roll with all members voting Aye.

Explanation of Virtual Meeting Processes

The Chairman recognized Mr. Rak who provided the following statement:
The November 17, 2020 meeting of the Alexandria Renew Enterprises Board of Directors is being held electronically pursuant to Virginia Code Section 2.2-3708.2(A)(3), the Continuity of Government

ordinance adopted by the City Council on June 20, 2020 and/or Section 4-0.00(g) in HB29 and HB30 to undertake essential business. All of the members of the Board and staff are participating from remote locations through a video conference call on Zoom. Public notice of the meeting includes the link for web access and phone numbers for dial-in access. In accordance with the applicable law, this meeting is being recorded and the recording will be posted on the Alexandria Renew website following the meeting.

In compliance with the special procedures for electronic meetings, only items necessary to continue operations of Alexandria Renew and the discharge of its lawful purposes, duties, and responsibilities will be discussed during today's meeting. All votes during this meeting will require a roll call.

Please let me know if you have any questions about the procedures for this meeting.

Public Comment Period

The Chairman inquired if there were any members of the public in attendance and wishing to speak. The Board Secretary noted that Ms. Aileen Bressman submitted comments for the record and requested permission to speak. The Chairman recognized Ms. Bressman who noted that she is an engineer in training and a resident of Old Town. She has an interest in the RiverRenew program and participating in the Stakeholder Advisory Group. She inquired about AlexRenew's research on Covid-19 in wastewater with Howard University and if AlexRenew plans to develop a wastewater surveillance program for the detection of Covid-19. She further inquired how a vaccine would effect this effort.

The Chairman thanked Ms. Bressman for her participation and recognized Ms. Pallansch who reported that AlexRenew is currently working with Howard University and looking at research for refining methods to test for Covid-19 in wastewater. At this point, they do not have any information on how vaccines will effect this. Ms. Pallansch further noted that AlexRenew does not own the collection system so that it is difficult to test for this. She reported that the CDC is leading an effort to coordinate a National Wastewater Surveillance System to include health departments, labs, and wastewater treatment plants across 100 cities.

Ms. Pallansch additionally noted that she would provide Ms. Bressman additional information and contacts in this area of research.

The Chairman thanked Ms. Bressman for her comments. There were no additional members of the public in attendance and wishing to speak and the Chairman moved to the Consent Calendar.

Consent Calendar

The Chairman noted the Minutes of the September 15 meeting and inquired if Board members had questions or comments. There being none, he requested a motion to approve. Mr. Beall moved and Ms. Caldarelli seconded. The Chairman called the roll with all members voting aye.

There were no additional questions or comments and the Chairman moved to New Business.

New Business

A. Review and Approve the Design Build Contract for RiverRenew Tunnel Project

Discussion

The Chairman recognized Ms. Pallansch who reviewed her presentation on the RiverRenew Tunnel System Project Award. Ms. Pallansch briefly provided an overview of Alexandria's combined and separate sanitary sewer system as well as a snapshot of the RiverRenew Tunnel System project and milestones. She additionally provided a summary of construction delivery systems that were considered as a part of this project and the benefits of the chosen Design Build project delivery system.

She noted that AlexRenew received Statements of qualifications from eight teams in response to AlexRenew's Request for Qualifications. Of these teams, three were invited to submit responses to the Design Build RFP. AlexRenew's evaluation team considered proposals based on factors such as Team Organization and Commitment, Design and Construction Plan, Community Impact Mitigation Plan and Design and Construction Schedule. The Design Build Contract was awarded to the Traylor-Shea Joint Venture for \$454 million. Ms. Pallansch completed her presentation and requested questions from the Board.

Members inquired about contingencies, quality control, risk assessments and total project costs. Mr. Carl reported that contingencies or allowances are on the project in the amount of 10% of the total project cost. EPC is the contractor acting as AlexRenew's agent who is responsible for quality control of the project. Risk assessments were performed during the initial phases and are built into the contingencies. The total project costs including easement acquisitions, permitting, etc. are approximately \$613 million.

Members commended the CEO and her team for bringing the project together on time and on budget.

The Chairman requested a motion to approve the contract award. Mr. Beall moved and Ms. Caldarelli seconded. The Chairman called the roll and the Board unanimously approved.

Be It Resolved That: The Board authorizes the CEO to execute a Design Build contract with Traylor Shea Joint Venture in the amount of \$454 million for the RiverRenew Tunnel Project.

Ms. Pallansch additionally thanked the Board for their support in bringing this project forward.

B. Finance and Audit Committee – Mr. Johnson

The Chairman recognized Mr. Johnson who reported on AlexRenew's financial audit ending June 30, 2020. Mr. Johnson noted that the auditor approved AlexRenew's Comprehensive Annual Financial Report (CAFR) noting no deficiencies or material weaknesses.

He further reported that due to AlexRenew's receipt of a uniform federal award for RiverRenew, with additional loans expected in the future, AlexRenew was required to submit a single audit report. He noted that the auditor reported that AlexRenew met all requirements and was on a firm financial foundation. He commended the CEO and Finance staff for completing a timely audit with favorable results.

The Chairman requested a motion to accept the CAFR. Ms. Caldarelli approved and Mr. Dickinson seconded. The Chairman called the roll and the Board unanimously voted aye.

There were no additional questions or comments and the Chairman moved to CEO Reports.

CEO Reports

The Chairman recognized Ms. Pallansch who noted her written report and inquired if members had questions or comments. There being none, she reported on a few items. The RTN warehouse was demolished. The signage has been placed in storage with possibility of enclosing in the superstructure of the tunnel system.

Ms. Pallansch reported that Outfall 002 has archaeological work being performed on the site. It will require removal of some of the local trees. The National Park Service is aware and the required permits were acquired. She referenced the draft Annual Report. She requested that members review the report and provide comments by the end of the week.

Mr. Dickinson inquired whether there had been any press inquiries related to the demolition of the RTN warehouse and when does debris hauling begin. Ms. Pallansch reported that the contractor has one week to remove the debris from the site and there were no press inquiries.

Mr. Hill noted that the QR Codes used at Outfall 001 are great opportunities for community engagement.

There were no additional questions or comments and the Chairman requested a motion to adjourn. Ms. Caldarelli moved and Mr. Dickinson seconded. The Chairman called the roll with all members voting Aye.

The meeting adjourned at 7:32 p.m.

Secretary-Treasurer

Monthly Financial Report

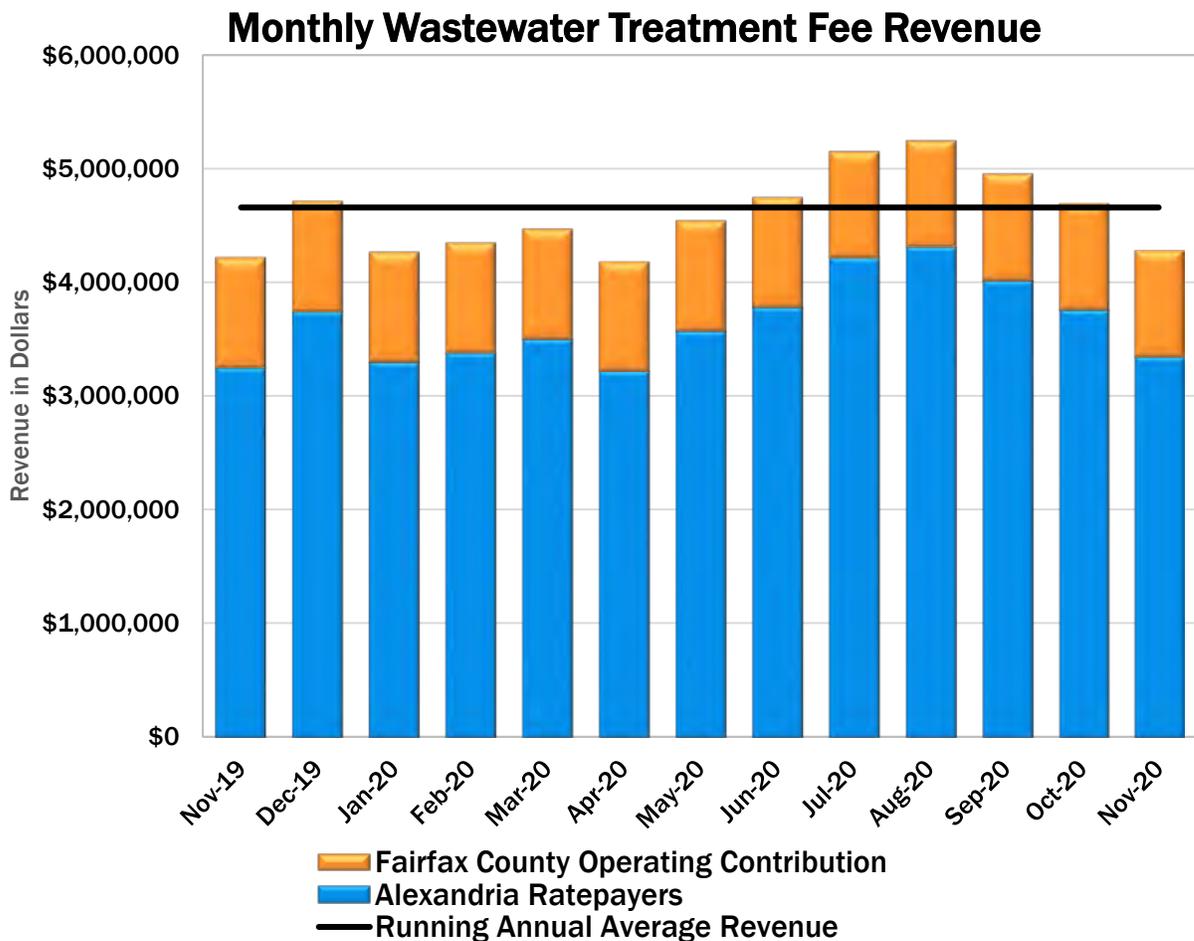
Month: November 2020

Overview

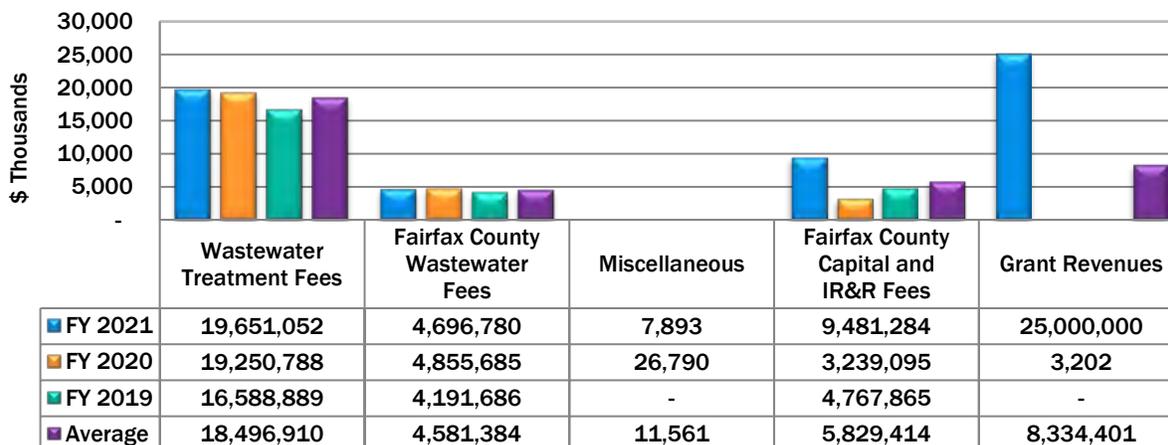
Monthly performance of AlexRenew’s annual approved budget is reviewed and evaluated against actual to planned spend rates, historical trends, appropriate benchmarks and internal financial policies, to ensure overall organizational financial stability.

Revenues

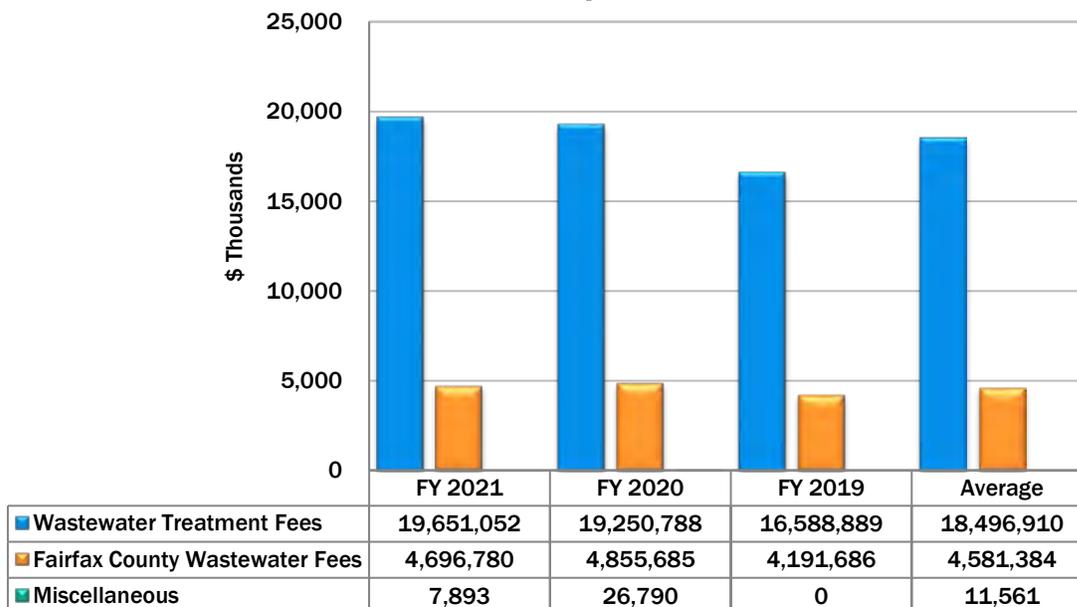
- FY21 operating revenues total \$24.4 million through the end of November with approximately \$19.7 million in Wastewater Treatment Charge revenue and \$4.7 million collected from Fairfax County. Wastewater Treatment Charge revenue is approximately \$400 thousand (2.08%) more compared to the same time period in FY20, and \$3.2 million (19%) above the Fiscal 2021 YTD budget. Data indicates a slight dip month-over-month in customer revenue in November 2020. November revenues are, however, consistent with historical averages, and it is too soon to understand if this reduction is also being influenced by COVID-related fluctuations. Accounting/Finance staff will continue to monitor the trend in coming months.
- Our revenue performance is primarily driven by billed flows that may be impacted by seasonality and by the Virginia American Water meter reading process, which can vary month-to-month.
- The Fairfax County operating expense charge and IR&R contribution YTD are on budget respectively. Fairfax County capital outlay contributions are also in-line with capital expenditures.



Annual Revenue and Capital Contributions 3 Year Comparison



Annual Operating Fund Revenues 3 Year Comparison



Expenses

FY21 operating and maintenance expenses are approximately 15% or \$1.72 million under our year-to-date budget, representing a spend rate of 35.6%. An overall decrease in Operations and Maintenance costs and Chemicals accounts primarily for this variance.

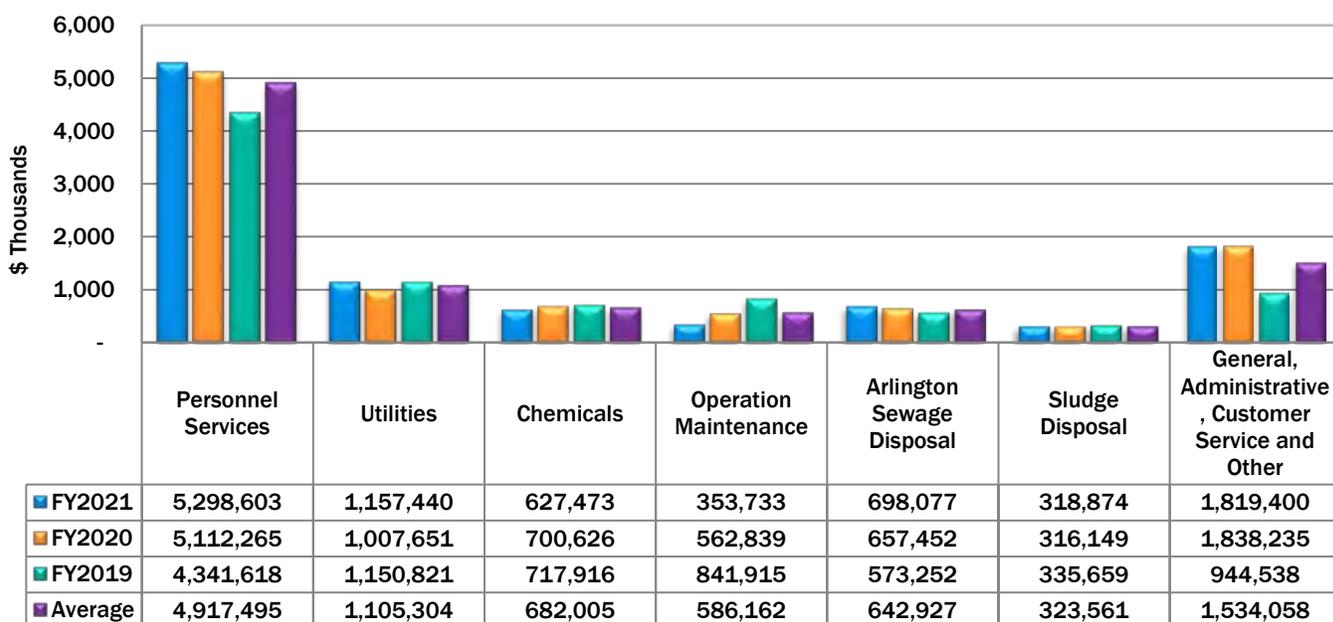
Capital outlay expenses are \$15.38 million year-to-date, representing a spend rate of 25.3%.

At five (5) months into our fiscal year, our overall spend rate is 30.3% of our total budget.

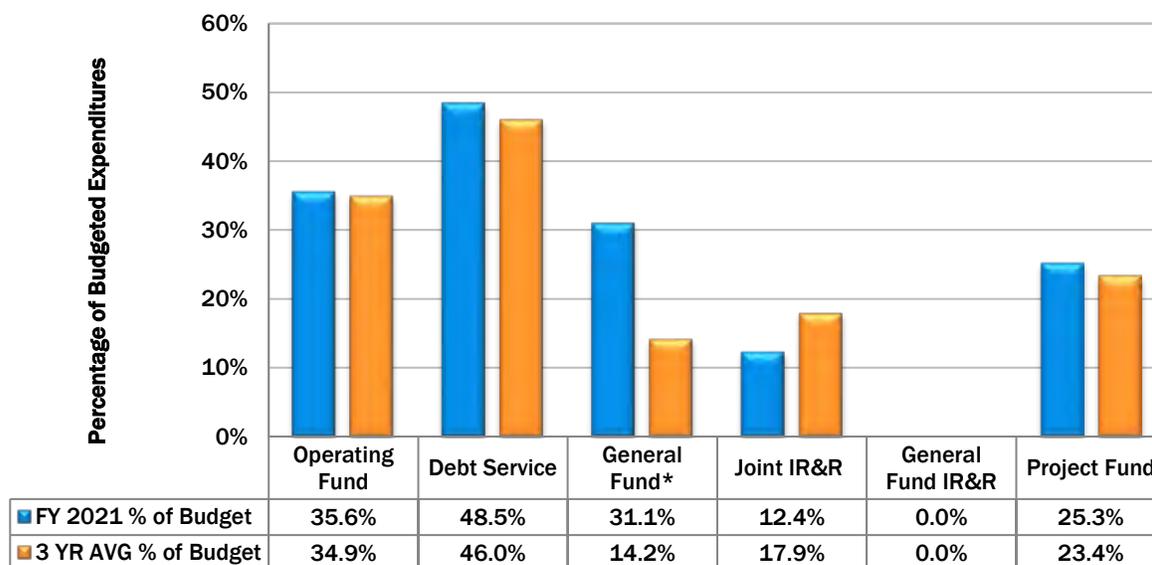
Expenses By Fund

ACTUAL VS. BUDGET Through November 2020					SPEND RATE		
(\$ Millions)	FY 2021	FYTD 2021	3 YR AVG	FYTD 2021	FY 2021	3 YR AVG	Variance FY21
Expenses (By Fund)	BUDGET	ACTUAL	ACTUAL	BUDGET	% of Budget	% of Budget	to 3 YR AVG
Operating Fund	\$ 28.39	\$ 10.11	\$ 9.86	\$ 11.83	35.6%	34.9%	0.7%
Debt Service	14.12	6.85	6.69	5.88	48.5%	46.0%	2.5%
General Fund*	2.28	0.71	0.58	0.95	31.1%	14.2%	16.9%
Joint IR&R	5.63	0.70	0.93	2.35	12.4%	17.9%	-5.6%
General Fund IR&R	0.25	-	-	0.10	0.0%	0.0%	0.0%
Project Fund	60.86	15.38	10.11	25.36	25.3%	23.4%	1.9%
Total	\$ 111.53	\$ 33.74	\$ 28.17	\$ 46.47	30.3%	29.5%	0.8%

Annual Operating Expenses 3 Year Comparison



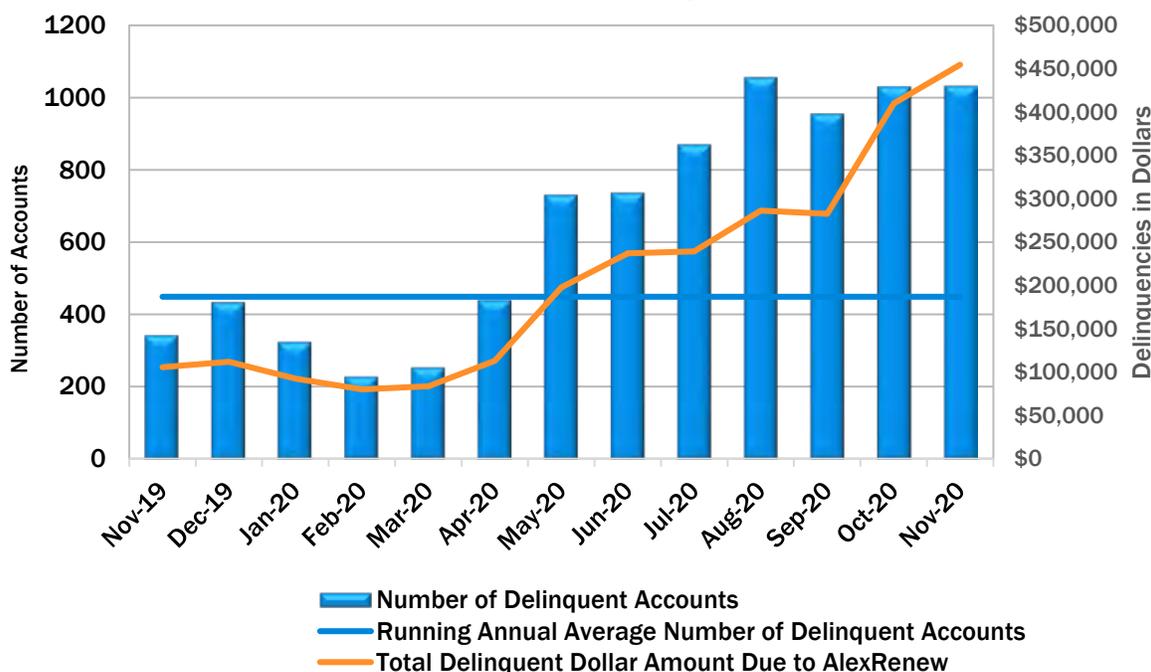
Expenditure Budget Comparison By Fund FY 21 vs. 3 Year Average



Delinquencies

The number of accounts that are delinquent by more than 60 days was flat month-over-month, from 1,029 accounts in October to 1,031 in November. The total dollar amount owed to AlexRenew from these accounts increased to \$454,635, largely driven by slight increase in number of customers who did not pay at all or did not pay full amount owed on their account. As with all delinquent customers, AlexRenew’s customer service professionals will perform outreach to try to bring the accounts current, initiate a payment plan and/or evaluate their eligibility for relief funding.

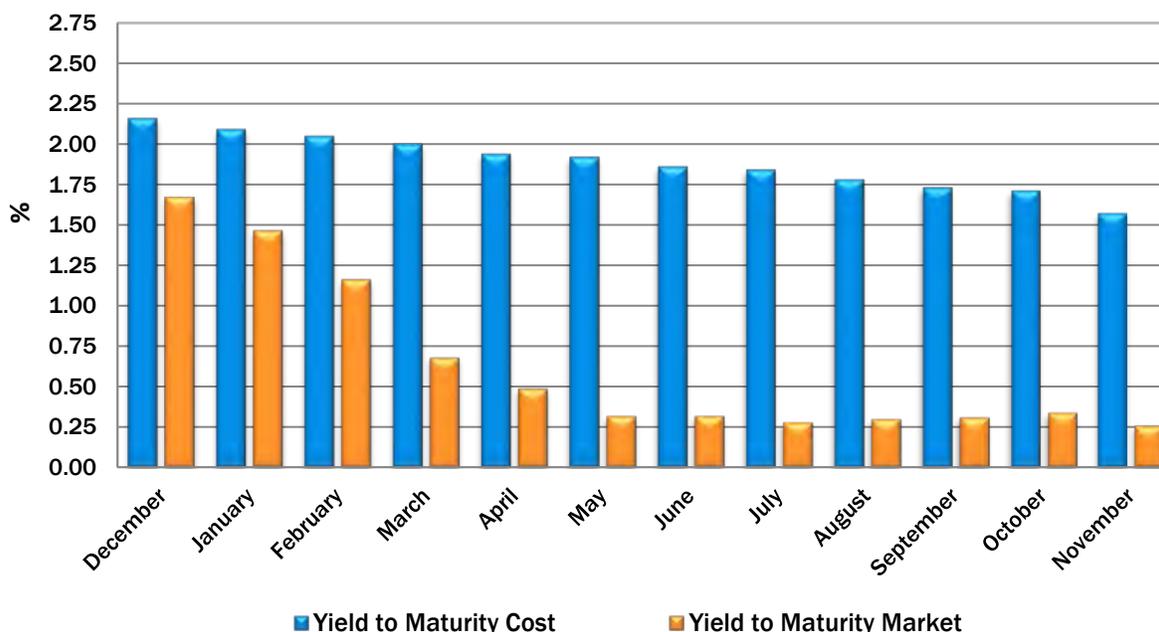
Active Accounts 60+ Days Delinquent



Investments

PFM Investment Advisors manages approximately \$21 million of AlexRenew's \$28.0 million investment portfolio. The following graph demonstrates current earnings on investments of approximately 1.57%; a level significantly higher than general bank deposit earnings rates.

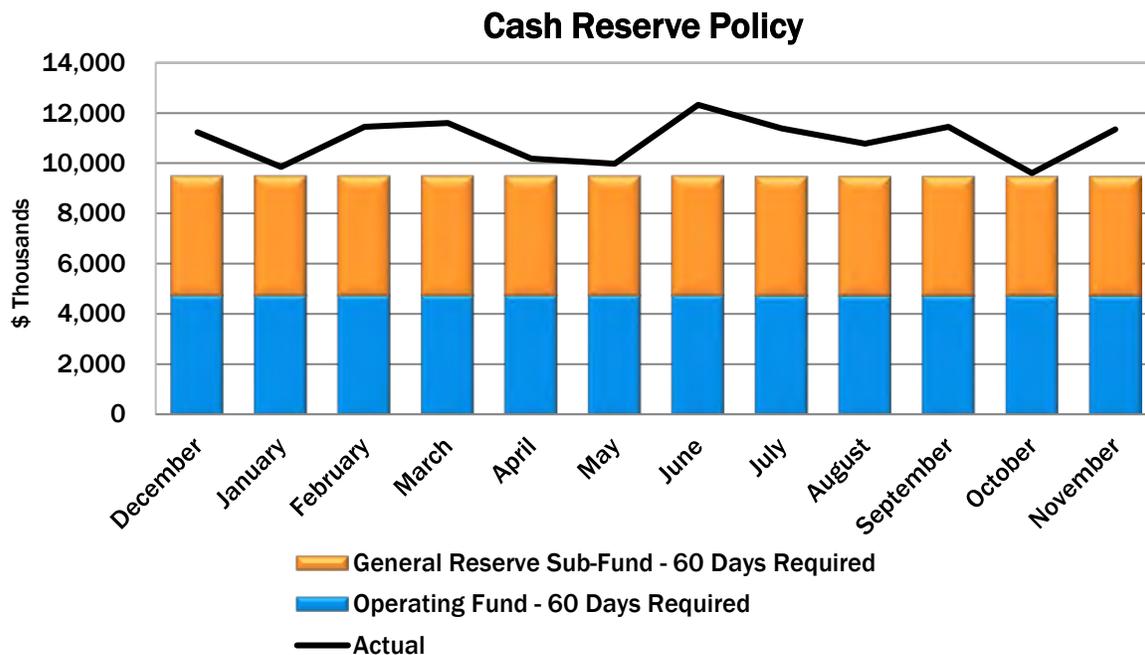
Investment Yield Percentage to Maturity (Investments managed by PFM) Through November 2020



Cash Reserves

Our Indenture requires that we maintain a balance on deposit in our Operating Fund equal to not less than 60 days of budgeted operating expenses. AlexRenew's Financial Policy requires a balance on deposit in our General Reserve sub-Fund also equal to not less than 60 days of budgeted operating expenses. In total, these combined compliance conditions require AlexRenew to maintain at least 120 days cash on hand, and for FY21 this equals a minimum of \$9,462,334. The chart and graph below demonstrate that AlexRenew currently exceeds this requirement.

Board Policy 120 Days Cash Reserves	Actual	Percentage of Goal
As of November, 2020		
Total Operating Cash	\$ 3,754,703	
Total Certificates of Deposit (Cash Equivalent)	\$ 2,857,235	
Total Operating Cash	<u>\$ 6,611,938</u>	
Total General Reserve Sub-Fund Cash	<u>4,731,167</u>	
Total Operating and General Reserve Sub-Fund Cash	<u>11,343,105</u>	120%



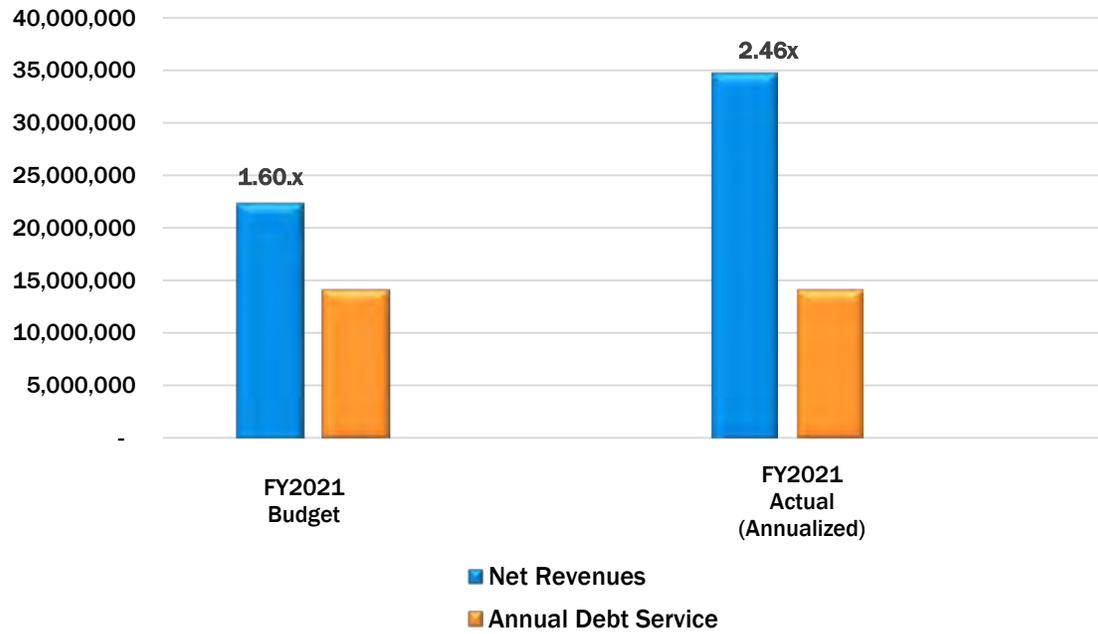
Debt Service Coverage

Our Indenture also requires AlexRenew to maintain minimum debt service coverage such that Revenues less Operating Expenses or Net Revenues (each term as defined in the Indenture) is at least 1.10x our parity debt service due in any fiscal year. Compliance with our Board-approved financial policies requires AlexRenew to maintain a higher minimum debt service coverage of at least 1.50x applying the same criteria as defined above.

In both cases, AlexRenew currently exceeds its compliance standard as indicated in the graph below. The 1.6x designated in the graph below represents projected coverage for FY21 based on actual results to date. We also note our anticipated coverage of 2.46x based on original FY21 budget expectations. As a result, we are well ahead of our budgeted projection, as well as our minimum policy.

Financial Policy Compliance - All-In Debt Service Coverage	FY 2021 Actual	FY 2021 Budget
Gross Revenues Available for Debt Service Coverage:		
Wastewater Treatment Charges - Alexandria Ratepayers	47,162,526	39,492,000
Fairfax County Operating Expense Charge	11,272,272	11,272,272
Reimbursement from other systems	18,943	-
Investment Income	584,907	115,000
Less Restricted Investment Income	-	-
Total	59,038,647	50,879,272
LESS Operating Expenses	(24,259,039)	(28,386,991)
Net Revenues [a]	34,779,608	22,492,281
Annual Debt Service [b]	14,123,976	14,123,976
Calculated All-In Debt Coverage [a/b]	2.46x	1.60x
Financial Policy Target	≥1.50x	≥1.50x

All-in Debt Service Coverage Net Revenues to Annual Debt Service



Glossary:

Revenue Fund

All revenue receipts of Alexandria Renew are deposited in the Revenue Fund.

The Operating Fund

The Operating Fund accounts for the administration and maintenance of the wastewater treatment system. By Board policy, the Operating Fund shall maintain 120 days of cash in reserve as established by Board Policy.

Parity Debt Service Fund

The Parity Debt Fund shall have deposited in it one-twelfth (1/12th) of the annual required debt payment due within the budget year. Deposits are restricted funds for use to make semiannual payments in accordance with the Alexandria Renew Trust Agreements.

Joint Improvement, Renewal & Replacement (IRR) Fund

The IR&R Fund receives deposits directly from Fairfax County (60% of IR&R budget) and from AlexRenew customer revenue (40% of IR&R budget) for asset renewal of joint use facilities. The contribution to the IRR Fund is 0.7% of the total amount of capital expenditures made subsequent to October 1, 1997, for the joint portion of the system, as set forth by the service agreement with Fairfax County.

Project Fund

The Project Fund records the cost of each joint use capital project included in the Alexandria Renew Capital Improvement Plans (CIP).

The plans for current and future capital projects, both joint and City only, is summarized in a Ten-Year CIP. City use only CIP are accounted for within the General Fund.

General Fund

The General Fund serves as reserve fund to be used for any lawful purpose of the Authority. Deposits to the General Fund are made from the Revenue Fund after all other fund expenditures and requirements have been satisfied. Alexandria Renew principally uses the General Fund to finance specific capital improvements and to provide sufficient reserves in accordance with policy.

CEO Board Report November 2020

Dear Members of the Board of Alexandria Renew Enterprises,

During the Board’s November 17, 2020 meeting held virtually per the Continuity of Government ordinance adopted by the City Council on June 20, 2020, the Alexandria Renew Enterprises (AlexRenew) Board unanimously approved the design-build contract award for RiverRenew to the Traylor-Shea Joint Venture team in the amount of \$454 million. The Board also accepted AlexRenew’s Comprehensive Annual Financial Report (CAFR). The fiscal year 2020 financial audit found no deficiencies or material weaknesses in the CAFR.

The Commonwealth of Virginia is still operating under a State of Emergency due to the COVID 19 pandemic. In November, two new cases of COVID 19 were reported on the AlexRenew campus. There has been no impact on our process due to these two new cases. AlexRenew is maintaining adequate staffing levels and supplies of PPE for needed continuity of operations.

On November 18, 2020, Governor Northam signed Virginia’s revised biennial budget. The budget revision includes a moratorium on utility disconnections, mandated utility repayment plans for customers who are in arrears, and made available \$100 M in federal funds to utilities to help pay down past due bills for customers who are experiencing financial difficulties due to COVID-19. On November 30, AlexRenew submitted an application to the Department of Housing and Community Development for CARES Act funding available through this new program to be used for the customer assistance program. Details on the disbursement of funds and the amounts available are in process.

Operational Excellence

Precipitation for November at the Reagan National Airport was 5.77 inches, which is above the Washington, D.C. historical average precipitation of 3.17 inches for the month. There were no overflows in the collection system or at the plant during the month.

Biosolids production for November was 1,577 wet tons, all of which was beneficially used through land application in the Virginia counties of Fauquier, Hanover, King George, Louisa, and Frederick. The biosolids were land applied as Class B biosolids.

AlexRenew met all Virginia Pollutant Discharge Elimination System (VPDES) effluent parameters for November 2020.

Treatment	Daily Average Flow MGD	Carbonaceous Biochemical Oxygen Demand (Monthly Average) mg/L	Total Suspended Solids (Monthly Average) mg/L	Ammonia (as N) (Monthly Average) mg/L	Dissolved Oxygen (Minimum) mg/L	Total Nitrogen ¹ (Annual Average) mg/L	Total Nitrogen LOAD (YTD) lb	Total Phosphorus (Monthly Average) mg/L	Total Phosphorus LOAD (YTD) lb
Permit	54.0	5.0	6.0	Seasonal ²	6.0	3.0	493,381	0.18	29,603
Reported	38.7	<QL	2.6	0.35	8.3	2.7	288,264	0.08	10,895

NOTES

1. Total Nitrogen expressed as year-to-date average.

2. Ammonia has seasonal limits: **November – January: 8.4 mg/L**

Public Engagement and Trust

Tours and Events

In November, AlexRenew and the City of Alexandria announced Sto Len's, AlexRenew's Artist in Residence, Renewal Show at the Torpedo Factory. Residents are encouraged to submit photos for Sto's Sea Water archive, a city-wide photo scavenger hunt that is open to the public and aims to bring awareness to Alexandrians around the importance of water in their lives, from Alexandria's sewer system to our waterfront habitats.

In partnership with the Metropolitan Washington Council of Governments, AlexRenew promoted messaging on the impact of fats, oils and greases on the wastewater collections and treatment systems. These messages were distributed on social media and in WTOP radio news ads (reaching a little over 400,000 regional listeners) prior to and during Thanksgiving Week.

Customer Service

Customer Service received 1,172 calls in November with 50% opting for self-service. Average call answer time was 25 seconds. Call Center staff also answered 124 emails.

Social Media and Website

Seventy percent of people who engaged with us on Facebook during November were from the City of Alexandria; the majority (66 percent) were women and 33 percent were men. We had 461 organic engagements on Facebook, which is over the industry average of 327. We currently have 3,484 Facebook followers. AlexRenew had 192 organic engagements on Twitter, 57 on LinkedIn, and 10 on Instagram. We have a total of 3,393 followers on Twitter, 2,319 on LinkedIn, and 192 Instagram followers. Our website had 8,213 sessions and 18,011 page views during November, an increase from the previous month. We had 475 visitors click through to our website from social media. The RiverRenew website had 1,271 visitors and 3,094 page views.

Watershed Stewardship

Following the Board's approval of the RiverRenew Tunnel System Project Contract at the November meeting, Traylor-Shea Joint Venture was given Notice to Proceed on December 1, 2020. The Tunnel System Project remains on-schedule to comply with the July 2025 mandated deadline.

The dismantling of the Robinson Terminal North (RTN) warehouse was completed in November. More information on the demolition of RTN is highlighted in the Board Dashboard.

The demolition of AlexRenew's Building J superstructure as part of the Building J Facilities Relocation and Decommissioning Project started in late November and is anticipated for completion in December. Further updates on the project are highlighted in the Board Dashboard.

Adaptive Culture

From April 30, 2018, we have logged 402,638.91 hours without a lost time accident.

Thank you for your ongoing dedicated service to AlexRenew.

Regards,

Karen Pallansch
Chief Executive Officer

RiverRenew Board of Directors Dashboard

MONTH ENDING: NOVEMBER 30, 2020

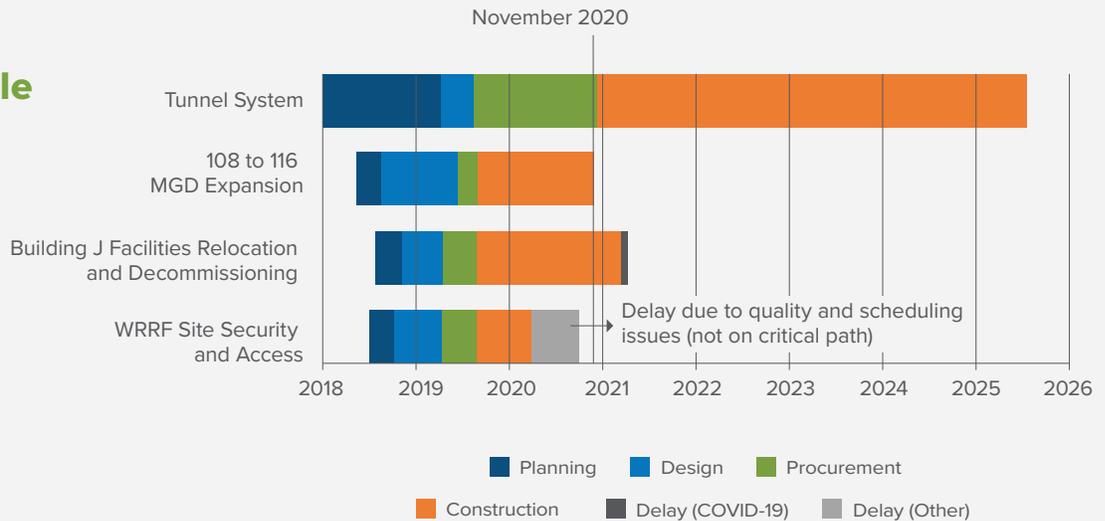


Teaming Up with Traylor-Shea

Following approval by its Board of Directors, AlexRenew awarded a \$454.4 million contract to a joint venture of Traylor Bros., Inc., and J.F. Shea Co. to finalize the design of and construct the RiverRenew Tunnel System (Project). Traylor-Shea brings direct, local experience to RiverRenew and an extensive history of working together on similar tunnel projects in the United States. AlexRenew is excited to partner with Traylor-Shea to deliver the largest infrastructure project in Alexandria’s history!

Visit RiverRenew.com/design-build-contract to learn more.

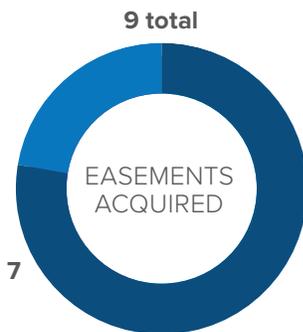
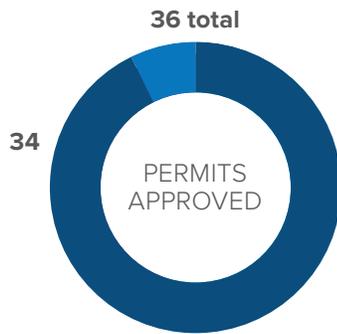
RiverRenew Program Schedule



SUMMARY OF UPCOMING ACTIVITIES	
Date:	Upcoming Activities:
12/2020	Building J Demolition
12/2020	Jones Point Park Site Investigations
12/2020	Anticipated Notice to Proceed for Tunnel System Project
12/2020	Final Completion of 108 to 116 MGD Expansion Project
12/2020	Selection of Stakeholder Advisory Group

SUMMARY OF MAJOR PERMITTING DELAYS	
Issue:	Impact:
Federal Government Shutdown 2019-2020	Delayed Environmental Assessment issuance by 2 months
Requirement for Programmatic Agreement Condition	Delayed Finding of No Significant Impact issuance by 9 months
Review Progress Hampered by COVID-19	Delayed National Park Service and United States Army Corps of Engineers permits by 7 months

The RiverRenew Tunnel System Project



Progress to Date

Major Permit Status

- U.S. Army Corps of Engineers Nationwide Permit #7 for Waterfront Tunnel issued November 2020
- U.S. Army Corps of Engineers Nationwide Permit #12 for Hooffs Run Interceptor issued October 2020
- National Park Service Archeological Resources Protection Act Permit for pre-construction investigations issued October 2020

Easement Agreement Status

Remaining Easements:

- Two private properties – permanent subterranean easement

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

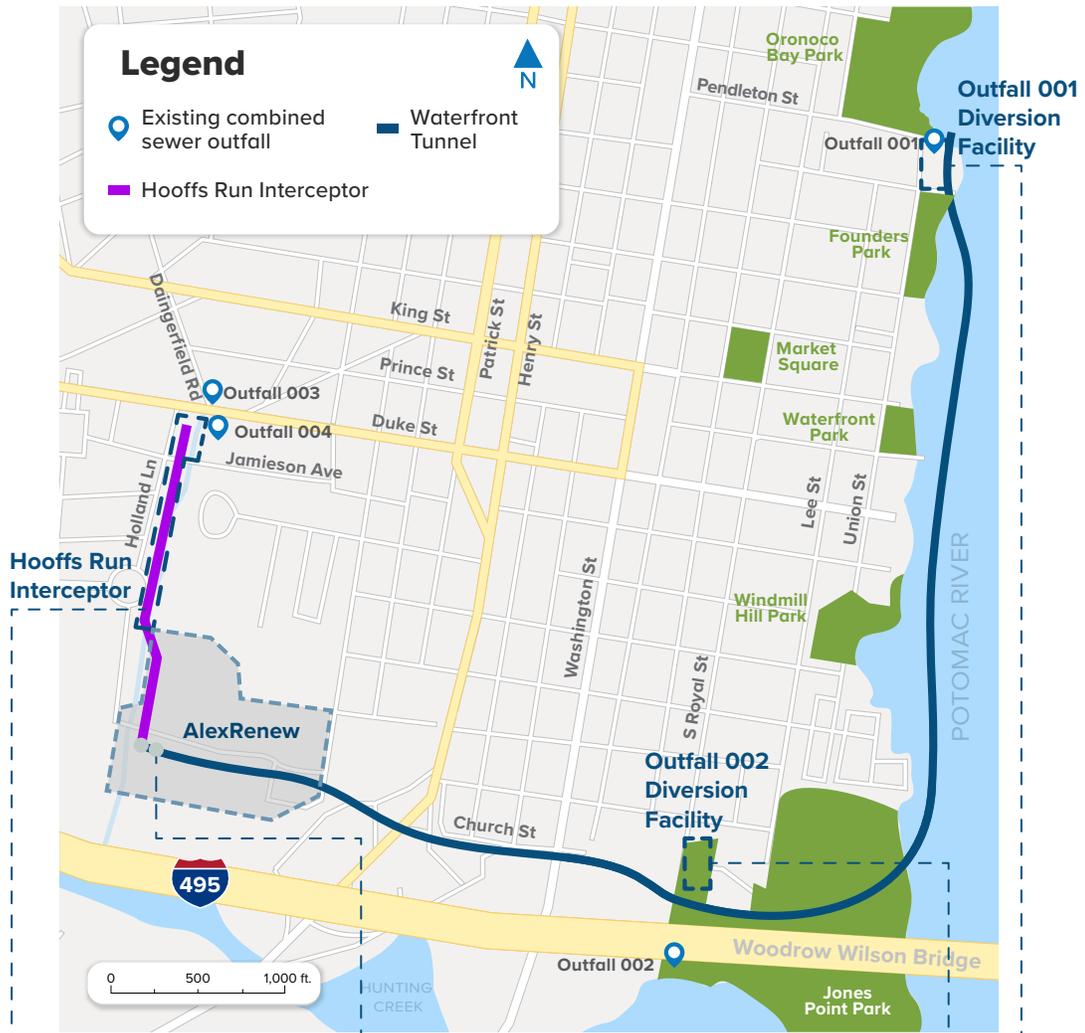
- 96 soil borings completed
- 12,786 linear feet drilled
- 2,221 geotechnical soil samples collected
- 100 environmental soil samples collected
- 31 groundwater monitoring wells installed
- 15 environmental groundwater samples collected

Procurement Status



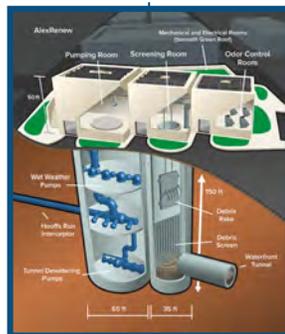
RiverRenew Tunnel System Project Components

The completed tunnel system 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.

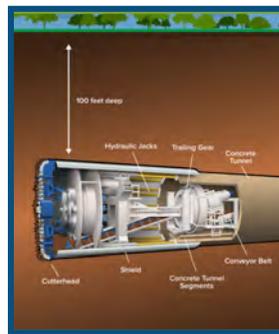


Hooffs Run Interceptor

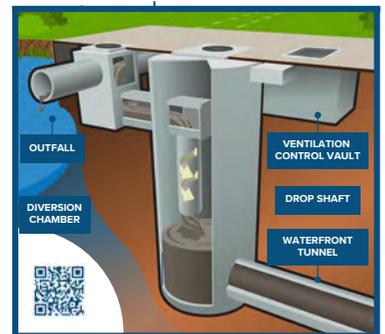
Construction:
Spring 2021-Summer 2024



Tunnel Dewatering and Wet Weather Pumping Station



Tunnel Boring Machine



Diversion Facility

Outfall 001 Diversion Facility
Construction:
Spring 2021-Winter 2024

Outfall 002 Diversion Facility
Construction:
Spring 2021-Fall 2024

RiverRenew Construction on AlexRenew's Campus

Current Construction Project Status

Three projects are currently underway at AlexRenew's Water Resource Recovery Facility (WRRF) to pave the way for the Tunnel System Project.

108 to 116 MGD Expansion

Increases primary pumping capacity to 116 MGD in preparation for the Tunnel System Project.

Vendor: ACE

Contract Amount: \$2,665,000

Construction Finish Date: December 2020

Latest Project Updates:

- Final completion anticipated December 2020



Building J Facilities Relocation and Decommissioning

Relocation of laboratory and locker rooms and demolition of former administrative building to provide space to build the Tunnel System Project.

Vendor: Clark Construction

Contract Amount: \$19,409,800

Construction Finish Date: April 2021

Latest Project Updates:

- New Control Room completed
- New AlexRenew phone number (703-721-3500) and service provider
- Building J utilities disconnected
- Building J demolition started and anticipated for completion in January 2021



WRRF Site Security and Access

Upgrades to existing access points and security systems at WRRF in preparation for increased campus activity for the Tunnel System Project.

Vendor: Sorensen Gross Company

Contract Amount: \$1,527,000

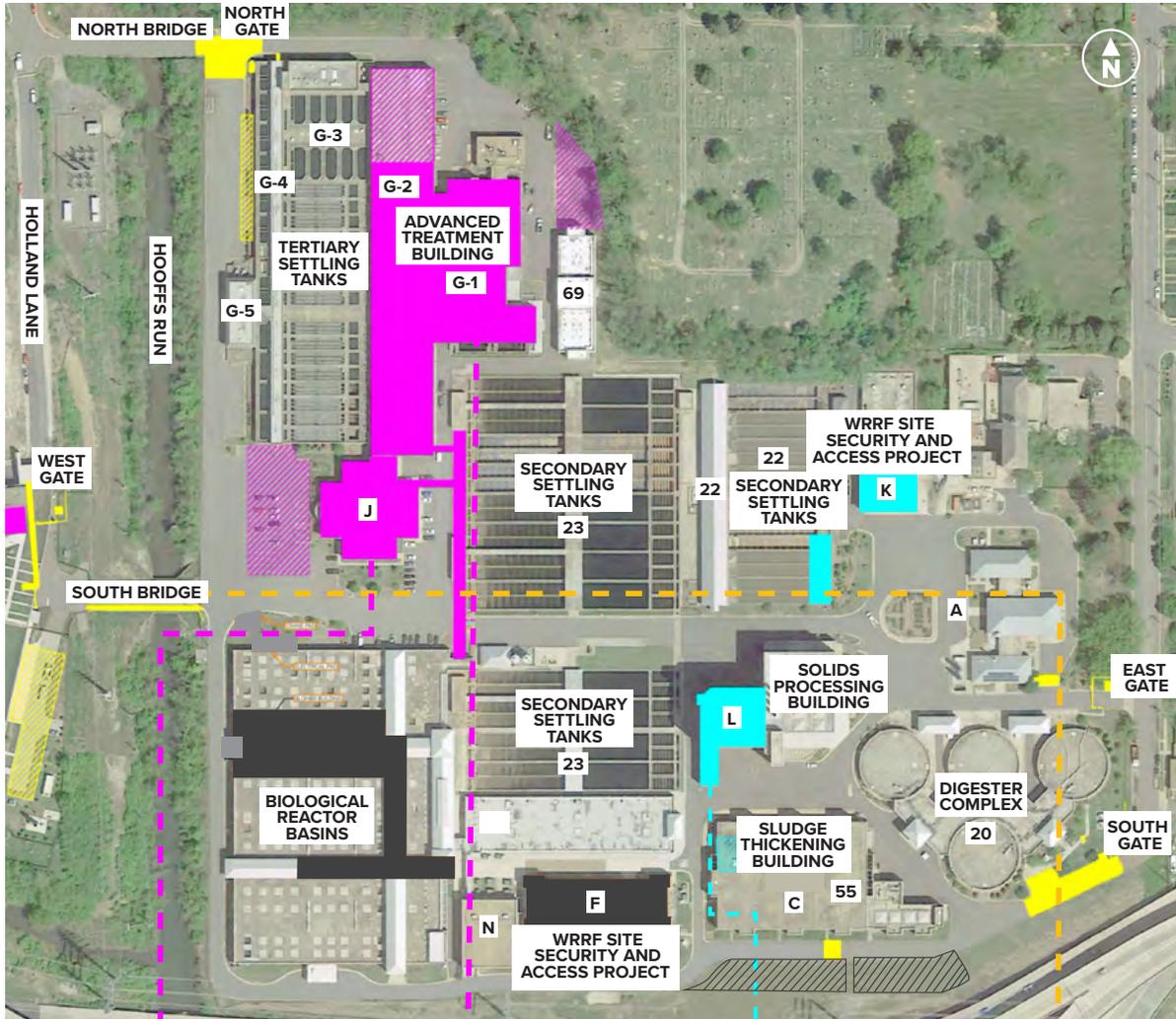
Construction Finish Date: September 2020

Latest Project Updates:

- Finalizing punchlist items



Map of AlexRenew Construction Projects



Demolition of Building J Begins



New Control Room in Building G



Upgraded Primary Effluent Pumps

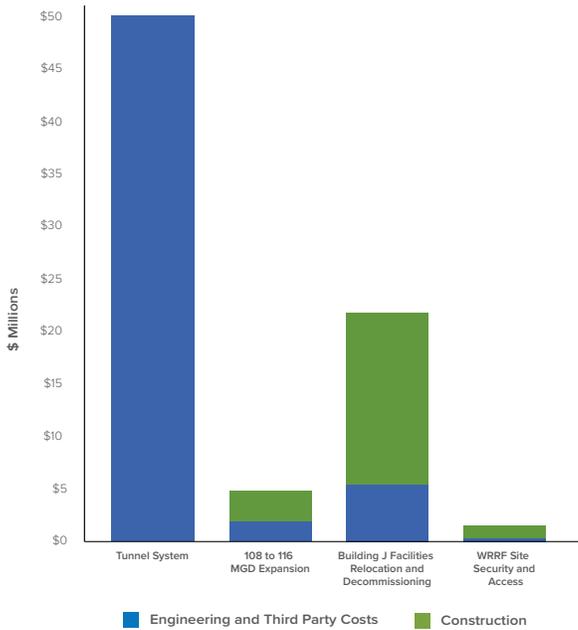


Completed South Bridge Pedestrian Path

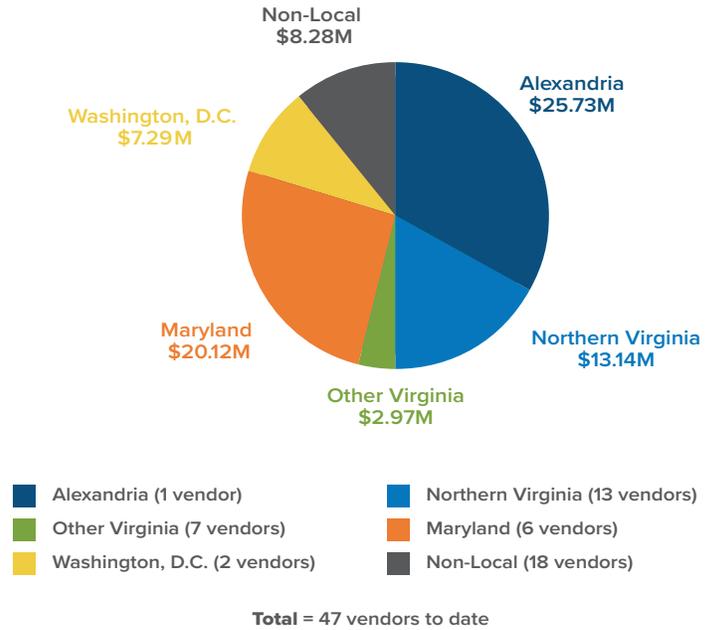
- WRRF Site Security and Access Project
- 108 to 116 MGD Expansion Project
- Building J Facilities Relocation and Decommissioning Project
- Other construction projects at WRRF
- Project staging areas

RiverRenew Program Costs to Date

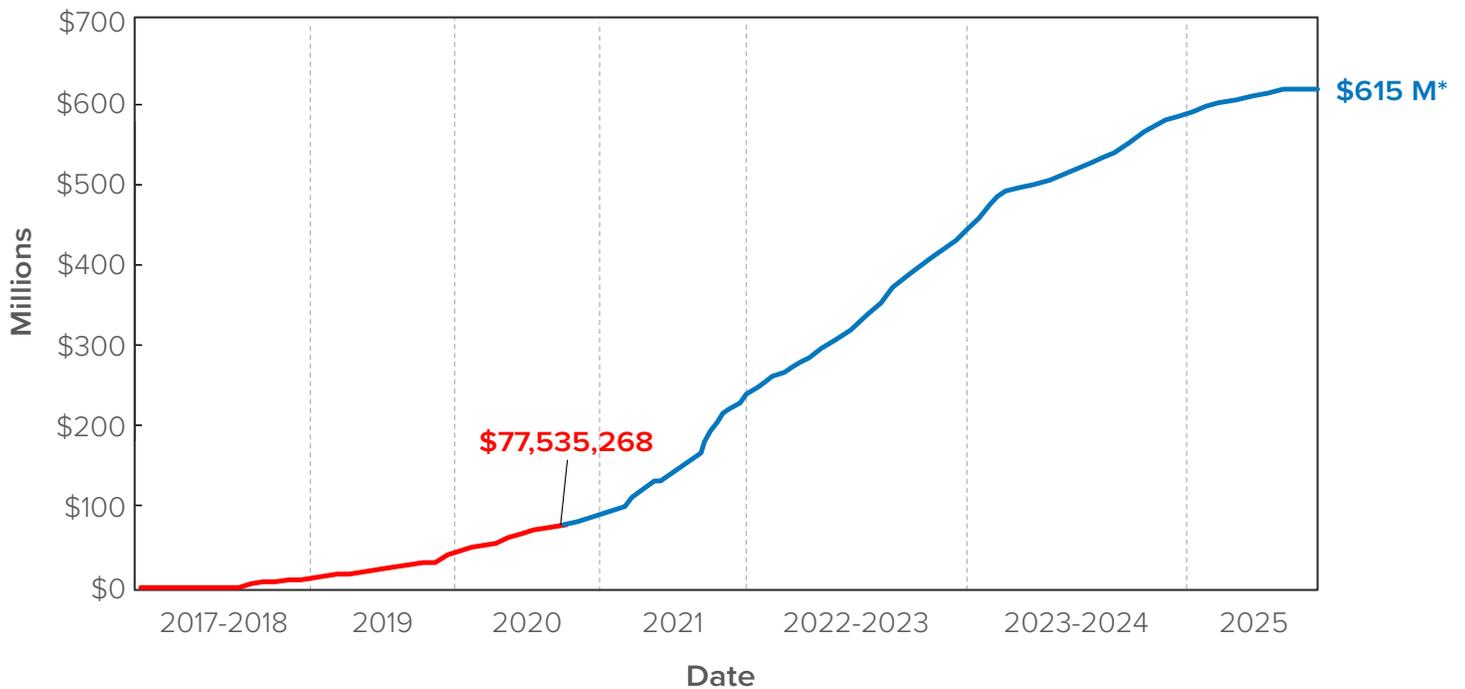
Project Costs to Date



RiverRenew Spend-to-Date by Locality



RiverRenew Cash Flow Analysis



Current Planned Projection:

- Total Program Spend to Date
- Anticipated Projection Based on Tunnel System Project Award

*Spending plan based on post-addendum opinion of probable cost (August 2020)

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 construction progress highlights featuring [photo slideshows](#) and [additions](#) to existing program updates

Setting the stage at Holland Lane

Follow our progress at RiverRenew.com/Holland-Lane



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:

- SAG applications closed November 6



Community Days

Community Days feature project-specific events to celebrate construction progress on the Tunnel System 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 450 contacts.

Highlights:

- A [video](#) and program update celebrating the completion of the 108 to 116 MGD Expansion Project
- Press release and [announcements](#) on selection of Traylor-Shea to design and build the Tunnel System Project

Teaming up with Traylor-Shea

With our design-build team procured, AlexRenew takes a major step toward healthier waterways for Alexandria.

Learn more about this partnership at bit.ly/riverrenew-contract



Community Events

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

Looking Ahead:

- Carlyle Council Holiday Festivities: 12/1/20-12/6/20
- Eisenhower Partnership Gala: 12/10/20

Highlights:

- AlexRenew's Artist-In-Residence sTo Len's "Renewal" on display at the Torpedo Factory: 10/3/20-12/27/20



Monthly Construction Spotlight



Robinson Terminal North Demolition Complete!

AlexRenew and its construction partners Clark and ACECO completed the demolition of the Robinson Terminal North Warehouse on November 30, 2020. It took five days to demolish the warehouse and organize the scrap material on site. Hauling of the 1,400 tons of material off site took another five days, using approximately 70 trucks. Remaining activities include the installation of a security fence around the perimeter of the site.

This work was completed with minimal disruption to the community, and the area is now ready for the construction of RiverRenew facilities to capture millions of gallons of combined sewage that currently pollute the Potomac River each year. This follow-on work is not anticipated to start until mid-2021. Stay tuned at RiverRenew.com for upcoming activities at Outfall 001!

Solving a Century-Old Problem with RiverRenew

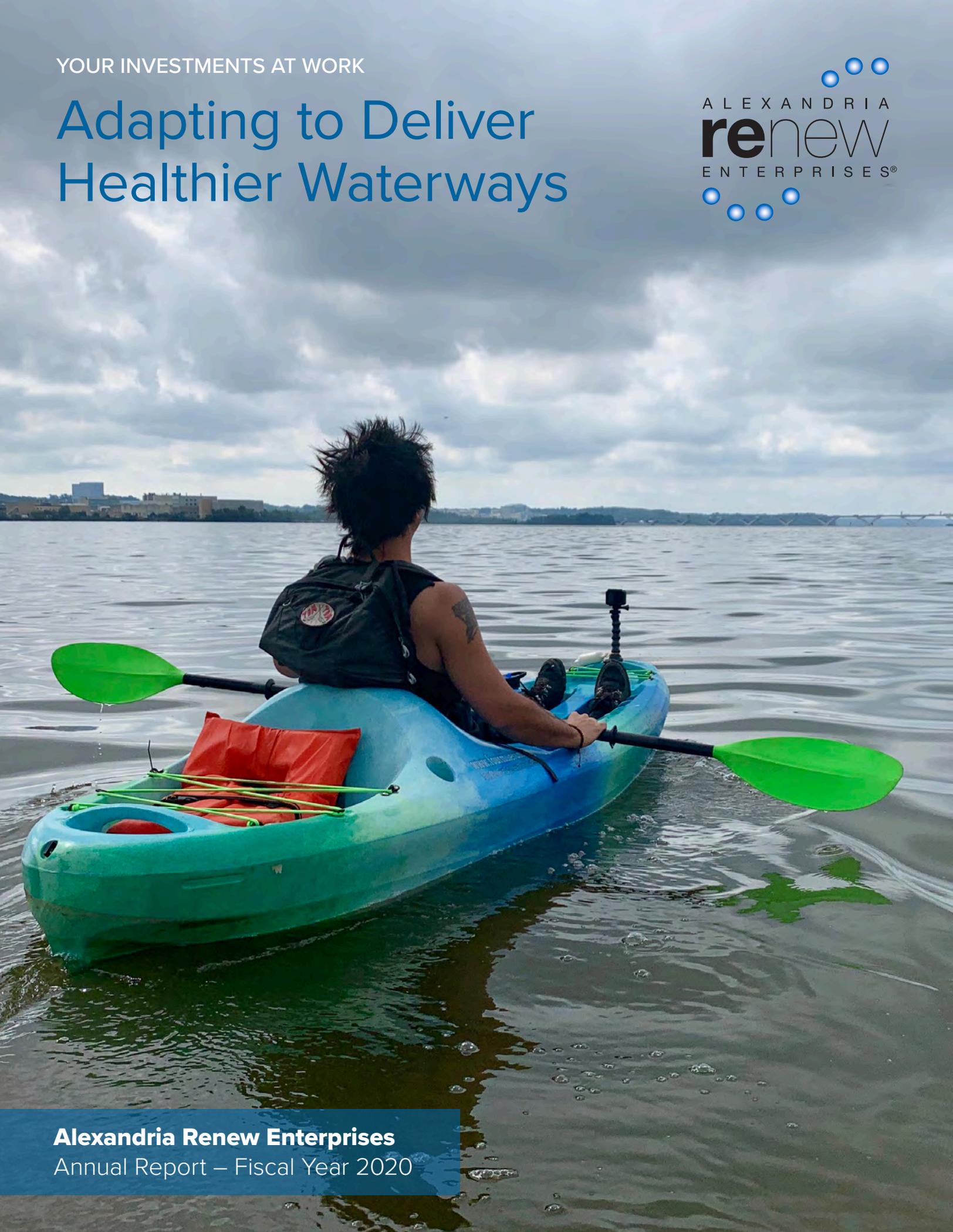
Click [here](#) to watch an animated video about RiverRenew and learn how the Waterfront Tunnel will be constructed.

To learn more, visit www.RiverRenew.com



YOUR INVESTMENTS AT WORK

Adapting to Deliver Healthier Waterways



Alexandria Renew Enterprises
Annual Report – Fiscal Year 2020

We've Overcome Exceptional Challenges to Provide an Essential Service to Our Community

ABOUT ALEXRENEW

The vital mission of Alexandria Renew Enterprises (AlexRenew) is to manage our community's wastewater and improve the health of the waterways that connect us. On average, AlexRenew cleans 35 million gallons of wastewater every day at our 32-acre Water Resource Recovery Facility (WRRF). AlexRenew is a special-purpose authority led by a five-member citizen board, serving the City of Alexandria and parts of Fairfax County.

\$1B

in assets maintained

64 YEARS

of providing our essential service



Over 300,000 customers

served in Alexandria and parts of Fairfax County



35 million gallons
of water cleaned daily

13 billion gallons
of water cleaned annually

A Message from Our Board of Directors

Clean waterways are essential to our future. Each day, the dedicated staff at AlexRenew work around the clock to turn millions of gallons of used water into usable, clean water in order to fulfill on our mission of providing healthier waterways for our local community.

2020 has been an unprecedented year, and the need to adapt has been top of mind for everyone. From the implementation of new safety protocols across AlexRenew's Water Resource Recovery Facility to ensure the health of our staff to recognizing the hardships within our community by providing rate relief, my board colleagues and I could not be prouder of the work our staff has done to help AlexRenew continue to be the environmental anchor in our community.

In a first for us – and for many utilities of our kind – this year we welcomed our first-ever artist-in-residence, sTo Len, to AlexRenew. sTo creates in several different mediums and is using his creativity to develop works of art that will engage the public and strengthen their connection to the work AlexRenew is doing. We've also worked to remain connected with the community through videos of our ongoing construction projects, virtual "introductions" to our staff members, and a full week of fun, family-friendly virtual activities as part of Water Discovery Week.

AlexRenew is also staying full steam ahead on construction upgrades at our facility. Construction projects are moving forward smoothly and efficiently while our construction partners continue to follow pandemic protocols to protect workers' health.

The RiverRenew Tunnel System Project is still on track to meet the July 2025 deadline. Permitting and planning with both local and national agencies is almost finished. AlexRenew is committed to staying on schedule and using our resources wisely to complete this important project that will bring economic vitality to Alexandria through cleaner waterways.

As we continue to adapt and fulfill on our vital mission to manage our community's wastewater and improve the waterways that connect us, my board colleagues and I continue to be inspired by the commitment of our team of dedicated water transformers. We thank them – and all of you in our community – for your continued support.

We look forward to all that we'll achieve together in the coming years.



John Hill
Chair



James Beall
Vice Chair



Bill Dickinson
Secretary-Treasurer



Bruce Johnson
Member



Adriana Caldarelli
Member

We're Adapting to Keep Operations Running 24/7 While Keeping Staff Safe



Keeping our community healthy by working for cleaner waterways



Protecting employee health while maintaining operations



100% compliance, 100% of the time

HOW WE'VE ADAPTED TO THE COVID-19 PANDEMIC

AT ALEXRENEW'S WRRF:



Daily screenings



Hand-washing stations



Face masks and social distancing



Disinfection of facilities



Teleworking and alternating schedules

IN OUR COMMUNITY:



Budget and rate amendments



Suspended late fees and service disruptions



Halting water shutoffs and restoring service



Extended payment plans and assistance

OUR WATER QUALITY COMMITMENT

100

water transformers
working at AlexRenew



151 employee-held
licenses and certifications

100%

compliance
with water quality
requirements

OPERATIONS AND MAINTENANCE

~22,000

tons of biosolids produced



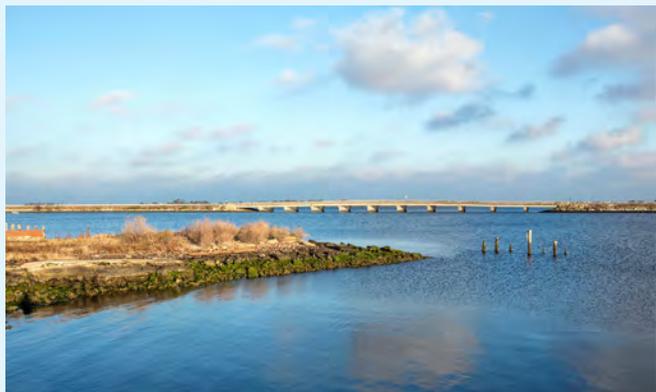
>94%

removal of nitrogen



>98%

removal of phosphorus



>11,000

assets managed

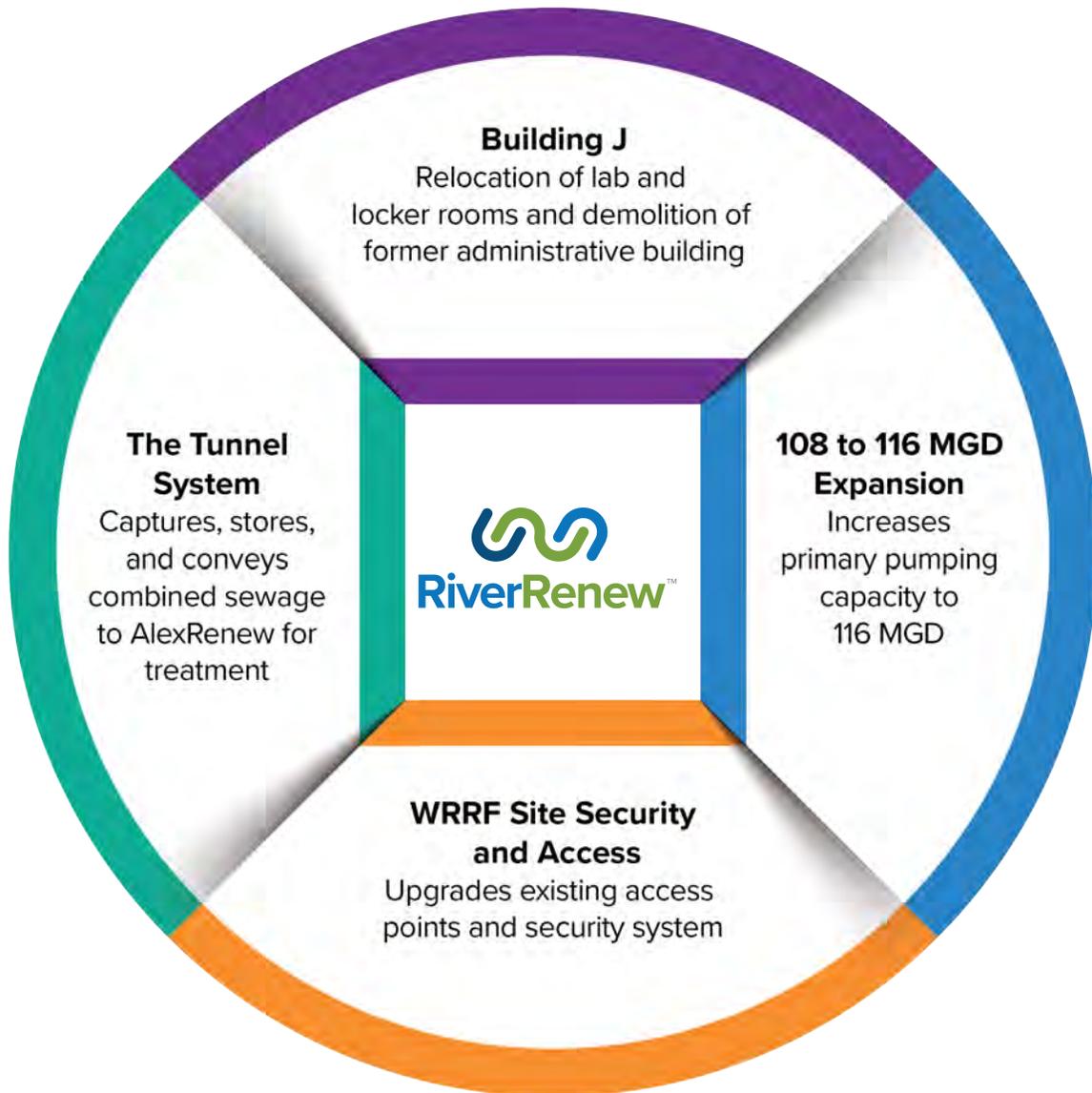


We're on Track to Deliver Healthier Waterways by 2025

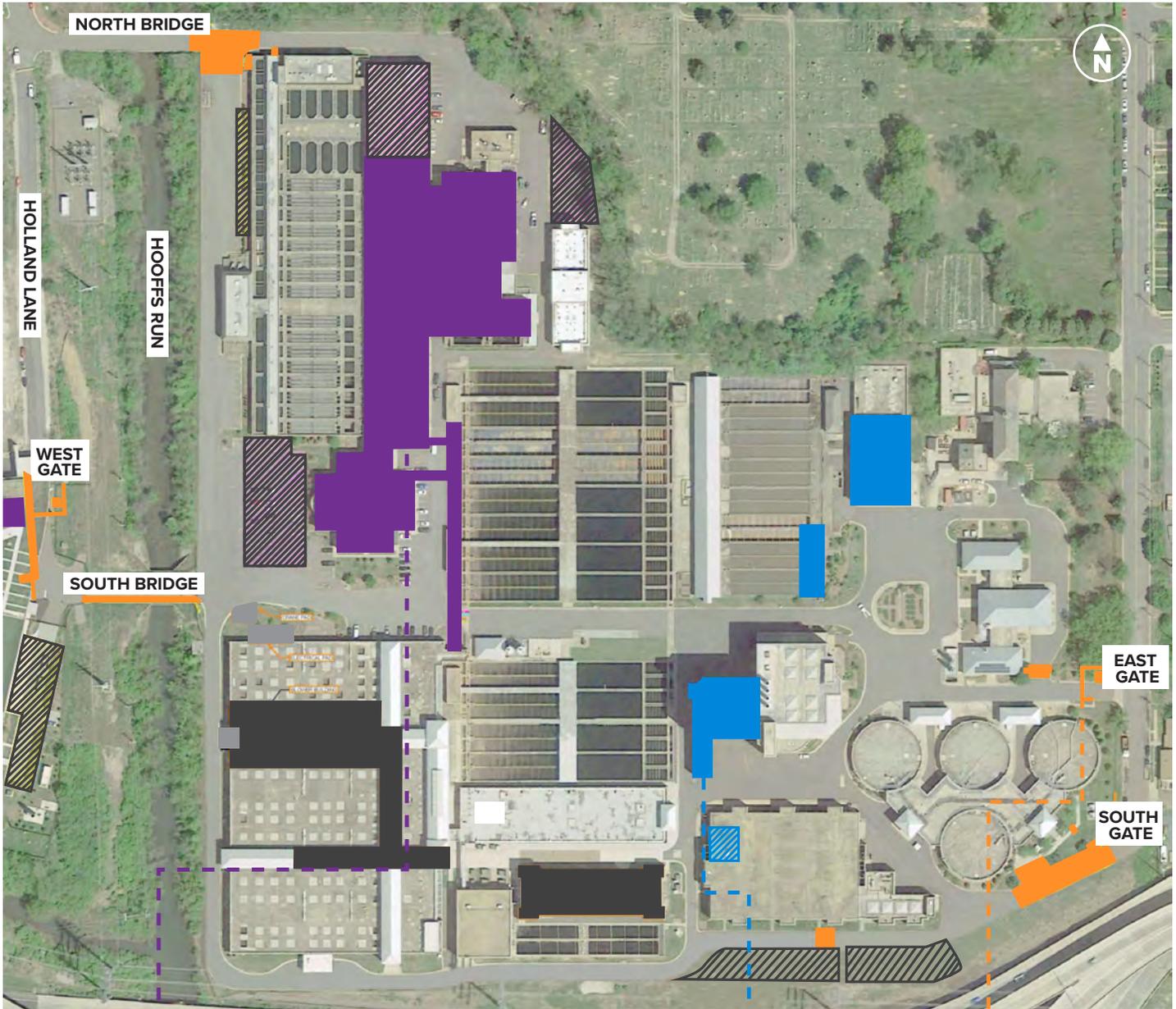
RIVERRENEW

By combining a deep tunnel system with upgrades to AlexRenew facilities, the RiverRenew program will prevent 130 million gallons of combined sewage from entering local rivers and streams each year.

RiverRenew is vital to the health of our waterways, and AlexRenew is committed to investing in this important project that will bring economic vitality to Alexandria through cleaner waterways.



ONGOING RIVERRENEW CONSTRUCTION PROJECTS AT ALEXRENEW'S WATER RESOURCE RECOVERY FACILITY (WRRF)



Building J Facilities Relocation and Decommissioning Project
New lab and locker rooms completed in October 2020



108 to 116 MGD Expansion Project
Pumps installed and operational in October 2020



WRRF Site Security and Access Project
New gates and guard booths installed and operational in September 2020

 Project staging areas

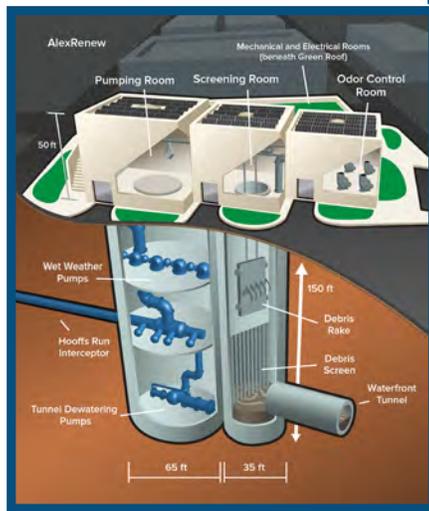
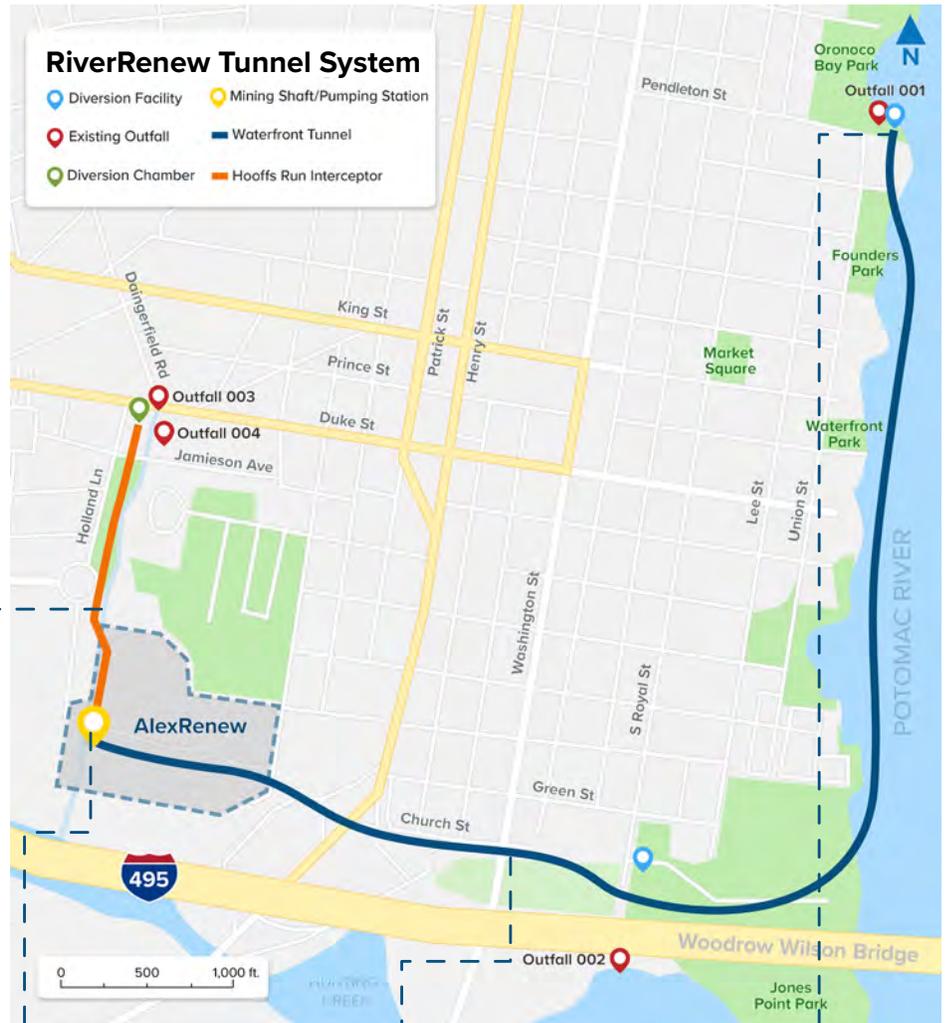
RIVERRENEW TUNNEL SYSTEM PROJECT

The new tunnel system will connect to four existing combined sewer outfalls and prevent sewage from overflowing into local waterways during rain events. Diversion facilities will divert combined sewage into the new tunnel system and transport these flows to AlexRenew for treatment. Construction on the new tunnel system is on schedule to begin in early 2021.

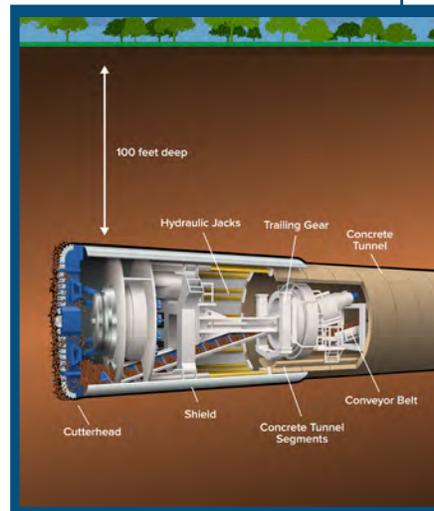
TUNNEL SYSTEM PROJECT COMPONENTS



Hooffs Run Interceptor



Tunnel Dewatering and Wet Weather Pumping Station



Tunnel Boring Machine



Diversion Facility

AlexRenew Continues to Be an Anchor in the Community

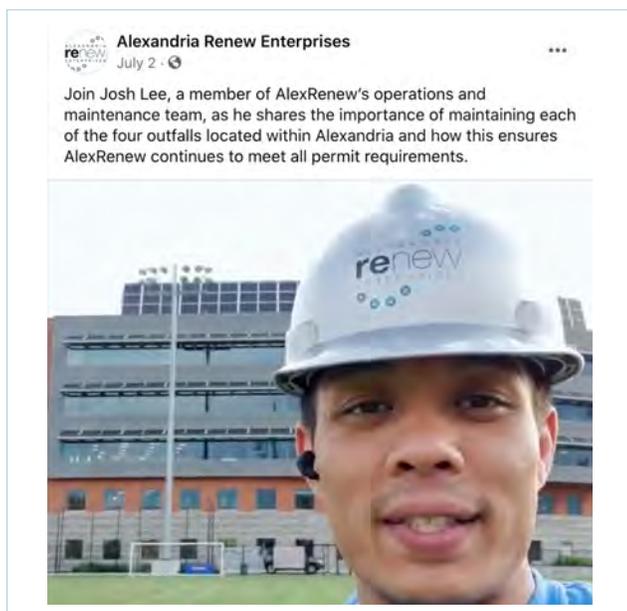
MOXIE AND CLOE

Moxie, AlexRenew's water-cleaning, nitrogen-eating mascot, and her new friend Cloe the Tunnel Boring Machine are working together to help spread the word about all the ways AlexRenew is continuing its vital mission of creating healthier local waterways.



SOCIAL MEDIA OUTREACH

Weekly posts on Facebook and Twitter offer area residents the latest RiverRenew updates. See one of our favorites [here](#).



ARTIST-IN-RESIDENCE

sTo Len, AlexRenew's first artist-in-residence, encourages interaction with the work AlexRenew is doing to clean our water. Learn more about sTo Len and the program [here](#).



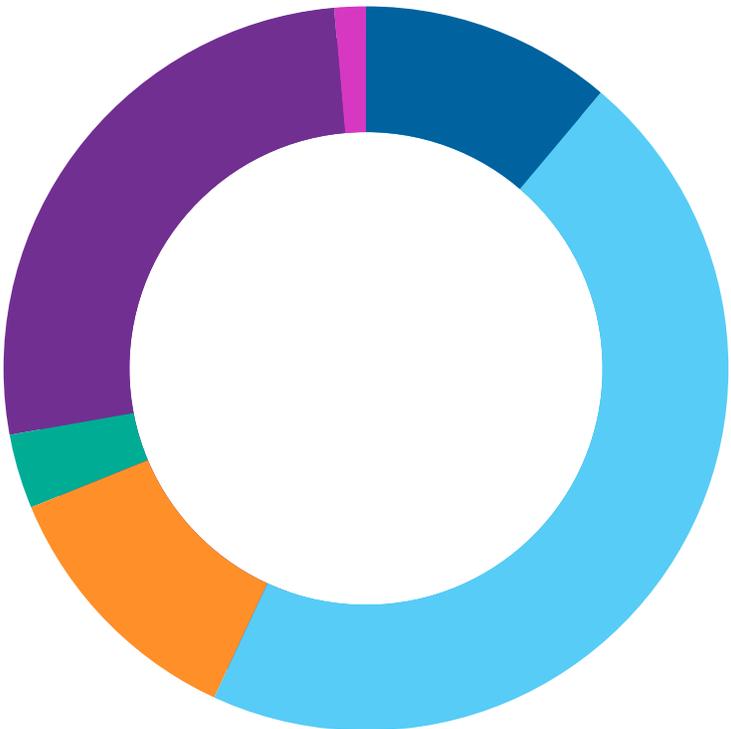
WATER DISCOVERY DAYS

In response to the pandemic, AlexRenew's Fourth Annual Water Discovery Day went virtual this year, with a week's worth of video activities shared to engage the community in our mission.



Your Investment in Healthier Waterways Helps Us Create a Sustainable Water Future

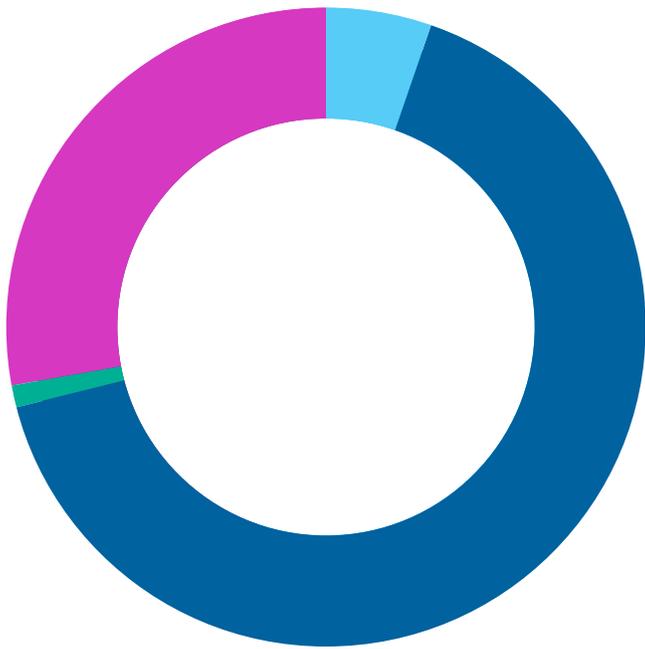
We manage our financial resources to run an efficient and resilient organization that contributes to the health of the economy.



- City of Alexandria Residents' Wastewater Treatment Charges: \$43,748,538
- Fairfax County Operating Charges: \$10,759,863
- State Grant Revenues: \$25,003,202
- Fairfax County Improvement, Renewal, and Replacement Contributions: \$3,194,545
- Fairfax County Capital Project Contribution: \$11,379,013
- Investment Income: \$1,327,691

HOW WE TURN YOUR INVESTMENT INTO CLEAN WATER

AlexRenew’s budget includes funding for day-to-day operations; ongoing maintenance through the Improvement, Renewal, and Replacement fund; and long-term capital investment. We also pay Arlington County for providing sewer services to a portion of the City. We align spending with our values and vision by dedicating Operational Excellence funding to chemicals, utilities, and other items needed to run the WRRF, while the Adaptive Culture budget funds salaries, benefits, and professional development for our team of water workers. A portion of our budget is also used for debt payments for bonds issued by AlexRenew to fund capital projects.



- Capital Improvement Program: \$59,807,889
- Operating Expenses: \$25,123,943
- Improvement, Renewal, and Replacement: \$5,021,263
- Arlington Sewage Disposal: \$1,150,208

OPERATING BUDGET



OPERATIONAL EXCELLENCE
\$6,764,373



ADAPTIVE CULTURE
\$13,840,103



PUBLIC ENGAGEMENT AND TRUST
\$1,969,649



EFFECTIVE FINANCIAL STEWARDSHIP
\$1,344,628



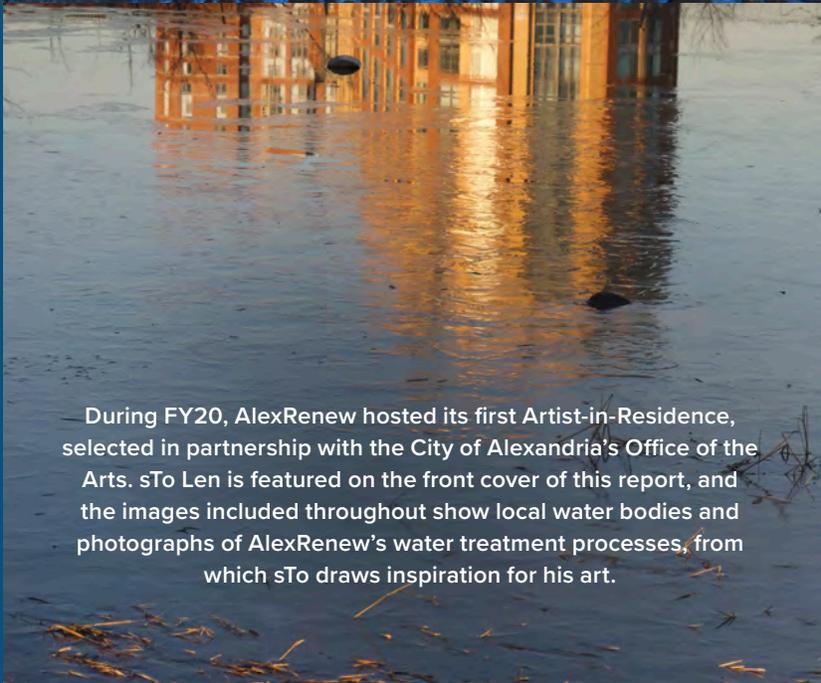
WATERSHED STEWARDSHIP
\$1,205,190



DEBT SERVICE
\$13,817,702



1800 Limerick Street, Alexandria, VA 22314
703.721.3500 • alexrenew.com



During FY20, AlexRenew hosted its first Artist-in-Residence, selected in partnership with the City of Alexandria's Office of the Arts. sTo Len is featured on the front cover of this report, and the images included throughout show local water bodies and photographs of AlexRenew's water treatment processes, from which sTo draws inspiration for his art.