



Agenda

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

No.	Item	Presenter	Action Required
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Due to the COVID-19 pandemic emergency, the September 15, 2020 Board of Directors meeting of Alexandria Renew Enterprises 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 video conference call on Zoom.

Links:

Topic: Alexandria Renew Enterprises Board of Directors Meeting

Register in advance for this webinar:

https://zoom.us/webinar/register/WN_loldFACQQWao8u8xCrB3BQ

After registering, you will receive a confirmation email containing information about joining the webinar.

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

Public comment will be received at this meeting. If you wish to speak during public comment, please email or call the Board Secretary (703) 549-3381 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 Meeting to Order (6:00 p.m.)	Chairman	
2.	Approval of the Agenda (6:03.)	Chairman	Approval
3.	Explanation of Required Procedures for an Electronic Meeting (6:15 p.m.)	Ms. Pallansch Mr. Rak	Information
4.	Public Comment Period (6:24 p.m.)	Chairman	
5.	Consent Calendar (Minutes of June 16, 2020 Meeting) (6:27 p.m.)	Chairman	Approval
6.	CEO Recommendations & Reports	Ms. Pallansch	Information
7.	New Business (6:35 p.m.)	Chairman	
	A. Election of Officers	Chairman	
	B. Review and Endorse Stakeholder Advisory Group	Ms. Pallansch	Approval
8.	Adjourn (7:00 p.m.)	Chairman	

Times shown in parentheses are approximate

If you need an interpreter, translator, materials in alternate format or other accommodations, please call (703) 549-3381 at least three business days prior to the meeting.

The next Regular Board meeting is scheduled for Tuesday, October 20, 2020 @ 6:00 p.m.



Board of Directors
John Hill, Chair
James Beall, Vice Chair
William Dickinson, Sec'y-Treas
Bruce Johnson
Adriana Caldarelli

Chief Executive Officer
Karen L. Pallansch, P.E., BCEE

General Counsel
McGuireWoods, LLP

MEMORANDUM

TO: AlexRenew Board of Directors
FROM: Karen Pallansch, Chief Executive Officer
DATE: September 15, 2020
SUBJECT: Alexandria-only Action Item: Endorse City Council Resolution to Establish New Stakeholder Advisory Group for RiverRenew

Issue:

On September 22, 2020, City Council will consider a resolution for the establishment of a Stakeholder Advisory Group (SAG) for RiverRenew.

Recommendation:

Staff respectfully recommends that the Board review and endorse the City Council Resolution to establish a SAG in support of RiverRenew's final design and construction phase.

Budget and Funding:

Costs associated with the engagement and management of the SAG are covered in the FY2021 Capital Improvement Plan budget.

Discussion:

AlexRenew is implementing RiverRenew, a major infrastructure program to control discharges of combined sewage to Alexandria's waterways. Consistent with previous phases of the program, a new SAG will be formed by City Council to monitor the progress of RiverRenew through final design and construction. The new SAG will follow the same processes used for the previous RiverRenew SAG, which completed its chartered mission and was sunsetted in January 2020. The new SAG is proposed to consist of eight (8) members that represent neighborhoods, businesses, and environmental groups who commit to being active and engaged in the stakeholder process.

The CEO and City Manager will select members following an outreach campaign to solicit applicants between September and December 2020. Meetings are anticipated to start in January 2021.

Congruence with AlexRenew Strategic Plan

This action enables AlexRenew's strategy of Public Engagement and Trust.

1800 Limerick Street, Alexandria Virginia 22314 • 703-549-3381 • alexrenew.com

Alexandria's Water Transformers

A decorative graphic at the bottom of the page consisting of a blue, wavy splash of water with a white highlight, extending across the width of the page.

ACTION TAKEN:

REVIEW and ENDORSE: _____

CEO Board Report August 2020

Dear Members of the Board of Alexandria Renew Enterprises,

Since May, AlexRenew has been working with a national team of researchers to collect and analyze influent and primary solids samples for the SARS-CoV-2 virus. These samples will be used to help develop and refine methods for detecting COVID 19 in wastewater so that results can be compared across different communities.

Last month, the lead researcher from Howard University, Dr. Jeseth Delgado-Vela, was awarded a prestigious Research Coordinating Network (RCN) grant from the National Science Foundation to bring together researchers and water resource recovery facilities to share results and identify research needs in this quickly moving field. The presentation from the first meeting on September 2, is included in your background materials.

AlexRenew will be working with the RCN to share the data that we have collected and to participate in discussions on future research and communication needs. This research will also work towards the development of a predictive wastewater model that will use our data, and data from around the country, to provide early warning to health departments on the prevalence of COVID 19 in our communities.

While the research is promising, we are still in the very early stages to be able to use wastewater samples as a reliable indicator of the number of infections in a community. We expect that it will be 12 to 18 months before the methods and models have been refined enough to provide sufficiently accurate information for health departments.

Operational Excellence

Precipitation for August at the Reagan National Airport was 8.73 inches, which is significantly above the Washington, D.C. historical average precipitation of 2.93 inches for the month. There were no overflows in the collection system or at the plant during the month.

Biosolids production for August was 1,855 wet tons, all of which was beneficially used through land application in the Virginia counties of Fauquier, Nottoway, and Amelia. The biosolids were land applied as Class B biosolids.

AlexRenew met all Virginia Pollutant Discharge Elimination System (VPDES) effluent parameters for August 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	40.1	<QL	2.7	0.07	7.5	2.9	223,766	0.09	8,738

NOTES

1. Total Nitrogen expressed as year-to-date average.
2. Ammonia has seasonal limits:
 - o November – January: 8.4 mg/L
 - o February – March: 6.9 mg/L
 - o April – October: 1.0 mg/L

Public Engagement and Trust

Tours and Events

On August 27, AlexRenew hosted another Blood Drive with Lost Boy Cider. Forty-one AlexRenew staff, friends and relatives signed up to donate blood to support the City of Alexandria and INOVA Alexandria Hospital. We saw 43 donors and collected 38 units of blood, which means 114 lives can now be potentially saved.

Customer Service

Customer Service received 1,619 calls in August with 46% opting for self-service. Average call answer time was 13 seconds. Call Center staff also answered 200 emails. We have not seen a significant increase in calls to the Call Center due to the Customer Care and Billing Upgrade.

Social Media and Website

Seventy percent of people who engaged with us on Facebook during July were from the City of Alexandria; the majority (66 percent) were women and 33 percent were men. We had 235 organic engagements on Facebook; industry average: 327). We currently have 3,482 Facebook Fans. AlexRenew had 387 organic engagements on Twitter, 6 on LinkedIn, and 11 on Instagram. We have a total of 3,405 followers on Twitter, 2,319 on LinkedIn, and 195 Instagram followers. Our website had 7,243 sessions and 11,330 page views during August. We had 37 visitors click through to our website from social media. The RiverRenew website had 877 visitors and 2,385 page views.

Watershed Stewardship

The Tunnel System Project procurement process continues this month with the acceptance of proposals. The contract is anticipated for the November Board of Directors meeting agenda and design-build commencement will be in December 2020. The Project remains on-schedule to comply with the July 2025 legislative mandate.

In preparation for the Tunnel System Project's construction, informational signs were installed adjacent to all outfall sites the week of September 8. The signs provide information on the Tunnel System Project and its construction, specific to each outfall site, including construction timing, the infrastructure to be built, and images of the site's restoration. Here is a link to WJLA 4's coverage of this project: <https://wjla.com/news/local/alexandria-sewage-new-pipes-potomac-river>.



Newly installed sign adjacent to the Outfall 001 construction site

City Council will consider a resolution to establish the next RiverRenew Stakeholder Advisory Group (SAG) on September 22. Applications for this RiverRenew SAG are anticipated to open following the City Council's approval with meetings expected to start in January 2021. This RiverRenew SAG will be charged with reviewing and monitoring progress in the final design and construction phases of the Tunnel System Project. Endorsement of this resolution is included under New Business in today's agenda.

This fall, AlexRenew will demolish the steel warehouse structure located on the Robinson Terminal North (RTN) property. The steel structure is located immediately east of Union Street between Oronoco Street and Pendleton Street and is being demolished to pave the way for the Tunnel System Project to start in Spring 2021. A community outreach plan will be implemented ahead of work to inform residents and neighbors about the demolition.

Adaptive Culture

From April 30, 2018, we have logged 368,020.2 hours without a lost time accident.

Financial Sustainability

The August Monthly Financial report follows this report. A memo summarizing the last fiscal year final accounting fronts the monthly financial report.

Thank you for your ongoing dedicated service to AlexRenew.

Regards,

Karen Pallansch
Chief Executive Officer/General Manager

Attachments:

SARS Research Presentation
May, June and July Plant and Jurisdictional Flow Graphs

Financial Memo and Monthly Financial Report
Updated RiverRenew Dashboard



Board of Directors
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MEMORANDUM

TO: AlexRenew Board of Directors

FROM: Karen Pallansch, CEO

DATE: September 8, 2020

SUBJECT: For Information: Overview Summary of Fiscal Year 2020 Operating and Capital Budget Performance

Finance staff is in the process of completing its annual financial audit and preparing the Comprehensive Annual Financial Report (CAFR) for the Fiscal Year ending June 30, 2020 (FY20). The FY20 financial performance and audit results will be presented to the Board in October at a Finance & Audit Committee and a full Board meeting; however, staff is presenting to you the unaudited final budgetary performance ahead of these meetings, given that the budgetary numbers have been finalized.

As the Board is aware, AlexRenew's capital spending has increased significantly due to the implementation of the RiverRenew program. During FY20, a great deal of engineering, third party work and plant site construction was performed within the RiverRenew portfolio to prepare for the award of the Tunnel System program itself, slated to begin in Fiscal Year 2021 (FY21). A number of active construction projects, not originally slated as part of staffs' 10 year capital plan, were awarded and progressed throughout FY20 in order to prepare the facility for the start of the Tunnel System construction.

During FY20, the Board was informed of spending increases related to RiverRenew through its monthly dashboard and the presentation of contracts for action by the Board. In summary, these spending increases are attributable to:

- Additional easements and increases in negotiated easement costs
- Additional subsurface and environmental explorations and increases in subsurface drilling costs
- Earlier than anticipated hiring of construction management and resident engineering and inspection teams to coordinate and inspect current plant construction projects

- Increase in community outreach efforts to respond to community concerns
- Early spending on site upgrades to increase staff safety and overall plant security

As a result of these program related impacts, the final FY20 actual capital spending exceeded the approved projected budgeted capital expenditures line item by approximately \$16.2 million. These costs and programmatic changes were not specifically contemplated when the FY20 capital budget was developed in January 2019 for presentation and approval in June 2019 by the Board. In most cases, the spending simply occurred earlier than planned in order to prepare the plant for the Tunnel System program; in a few cases, such as additional testing and drilling, there were unanticipated changes in scope as design progressed. A summary of the FY20 spend is provided below:

FISCAL YEAR 2020 - SUMMARY OF PLANNED AND ACTUAL BUDGETARY SPENDING				
		<u>Budget</u>	<u>Actual</u>	<u>Variance \$</u>
Operating	\$	28,453,556	26,431,816	(2,021,740)
Debt Service		14,220,146	14,010,000	(210,146)
IRR and Capital		48,592,000	64,829,151	16,237,151
TOTAL	\$	91,265,702	\$ 105,270,966	\$ 14,005,264

When published in the coming months, the CAFR will provide the Board and public a more comprehensive view of AlexRenew’s fiscal position. AlexRenew has been able to absorb the increased capital spend without deteriorating its fiscal profile, in large part due to the receipt of the \$25 million in grant monies secured by the City of Alexandria from the Commonwealth of Virginia. These funds helped mitigate the impact of accelerating needed projects to mitigate potential compliance impacts during the Tunnel System construction, projects already included in the out years of the presented 10 year CIP.

As shown above, spending in the operating and debt service funds were well below budget, and performance was also strong in the areas of revenue and investment income. The preliminary final results show AlexRenew in compliance with its debt service coverage, cash reserves, and all other financial policies and requirements.



Monthly Financial Report

Month: August 2020

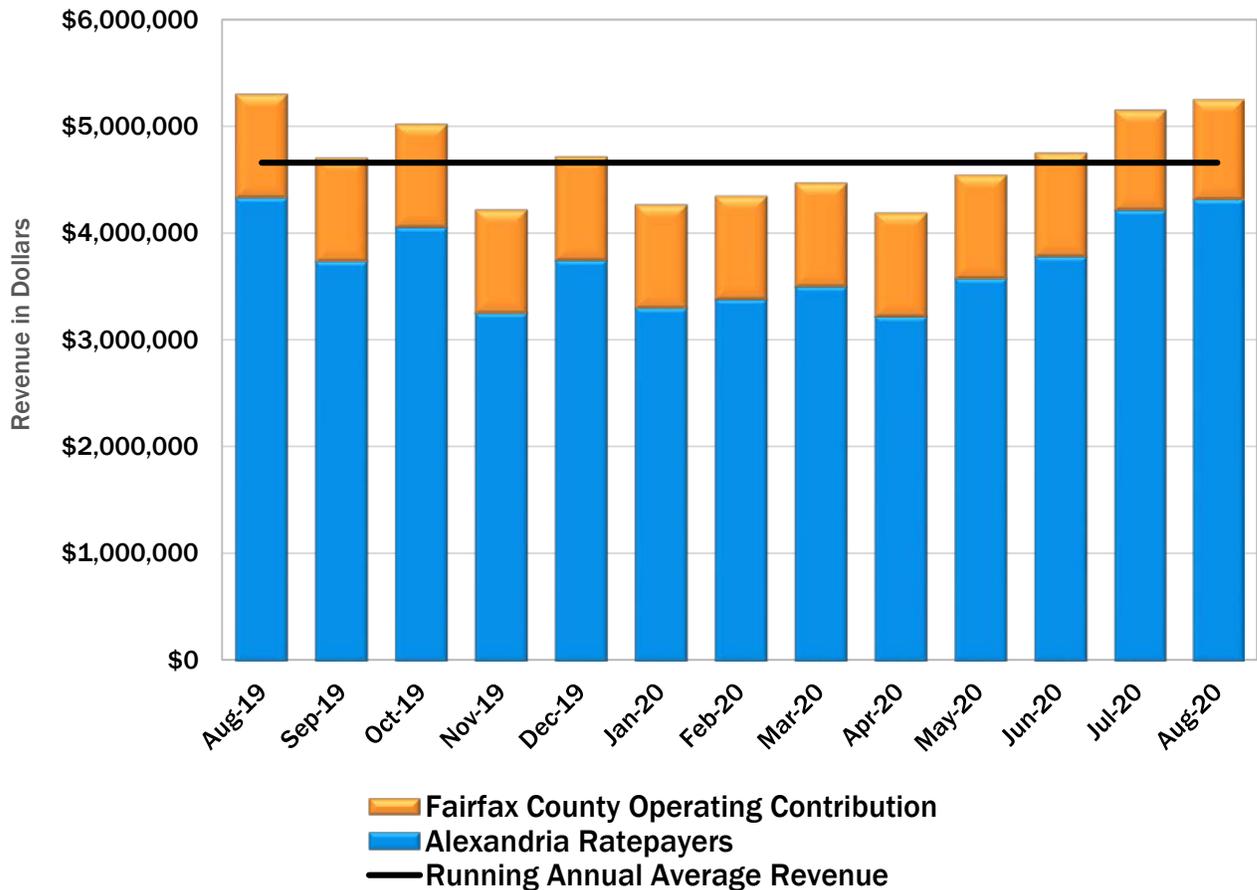
Overview

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.

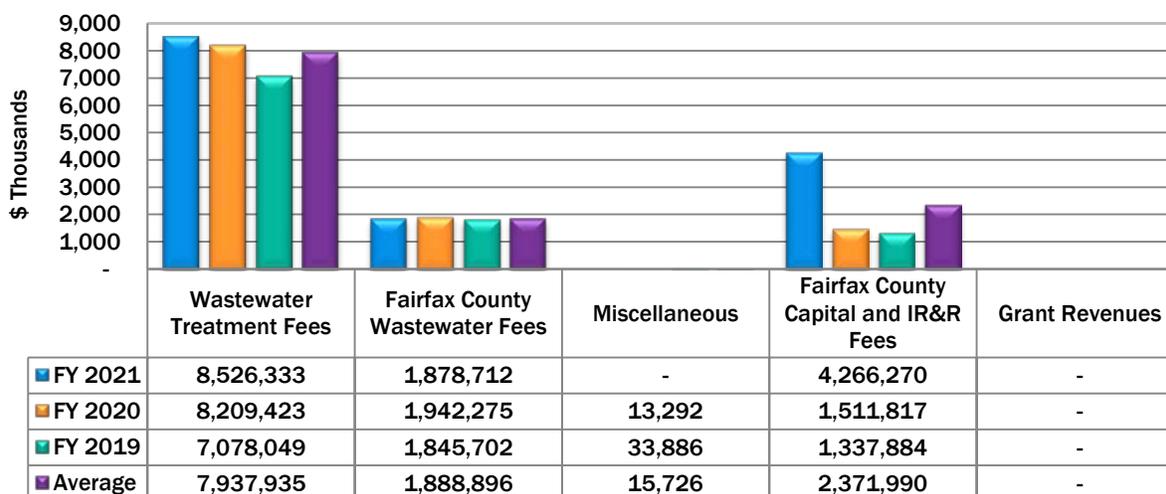
Revenues

- FY21 operating revenues total \$10.4 million through the end of August with approximately \$8.55 million in Wastewater Treatment Charge revenue and \$1.9 million collected from Fairfax County. Wastewater Treatment Charge revenue is approximately \$317 thousand (3.86%) more compared to the same time period in FY20, and \$1.9 million (30%) above the Fiscal 2021 YTD budget.
- 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.

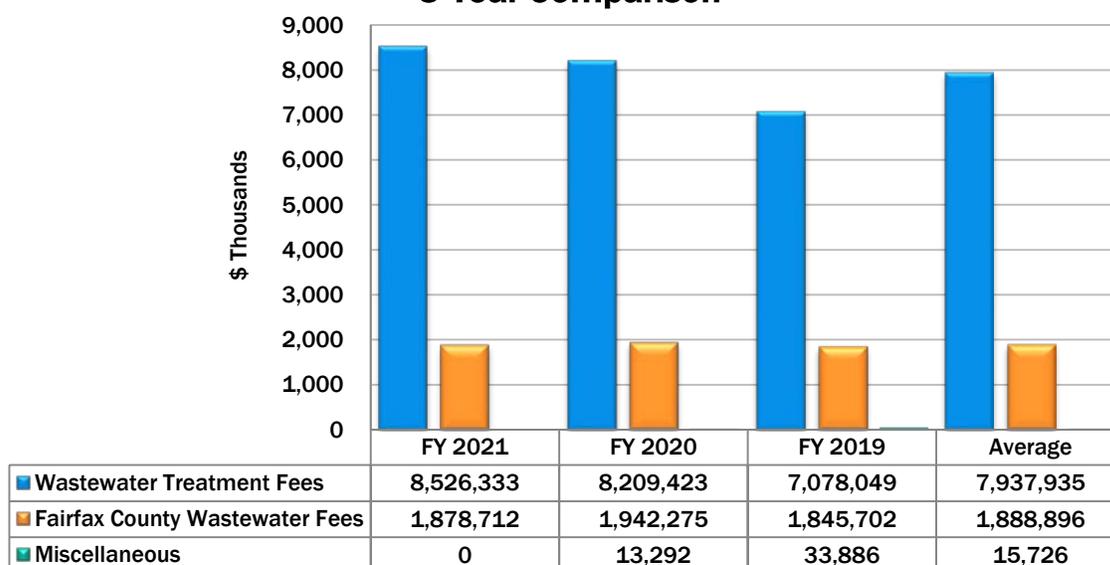
Monthly Wastewater Treatment Fee Revenue



Annual Revenue and Capital Contributions 3 Year Comparison



Annual Operating Fund Revenues 3 Year Comparison



Expenses

FY21 operating and maintenance expenses are approximately 27% or \$1.28 million under our year-to-date budget, representing a spend rate of 12.2%. An overall decrease in Operations and Maintenance costs and Utilities accounts primarily for this variance.

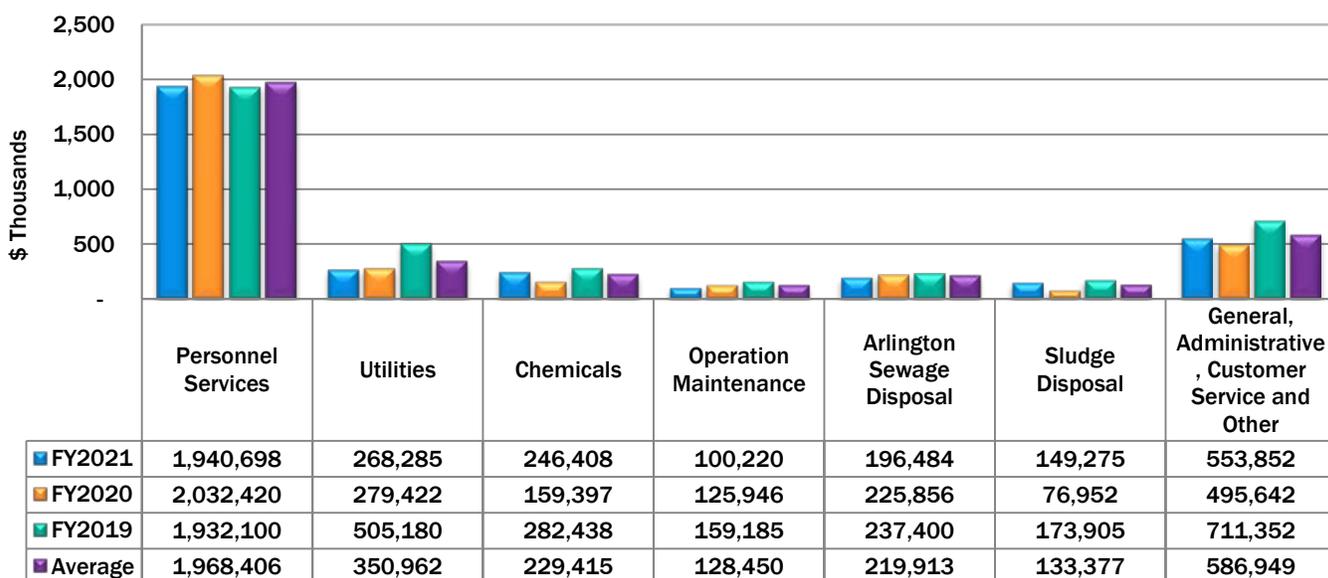
Capital outlay expenses are \$1.19 million year-to-date, representing a spend rate of 2%.

At two (2) months into our fiscal year, our overall spend rate is 4.7% of our total budget.

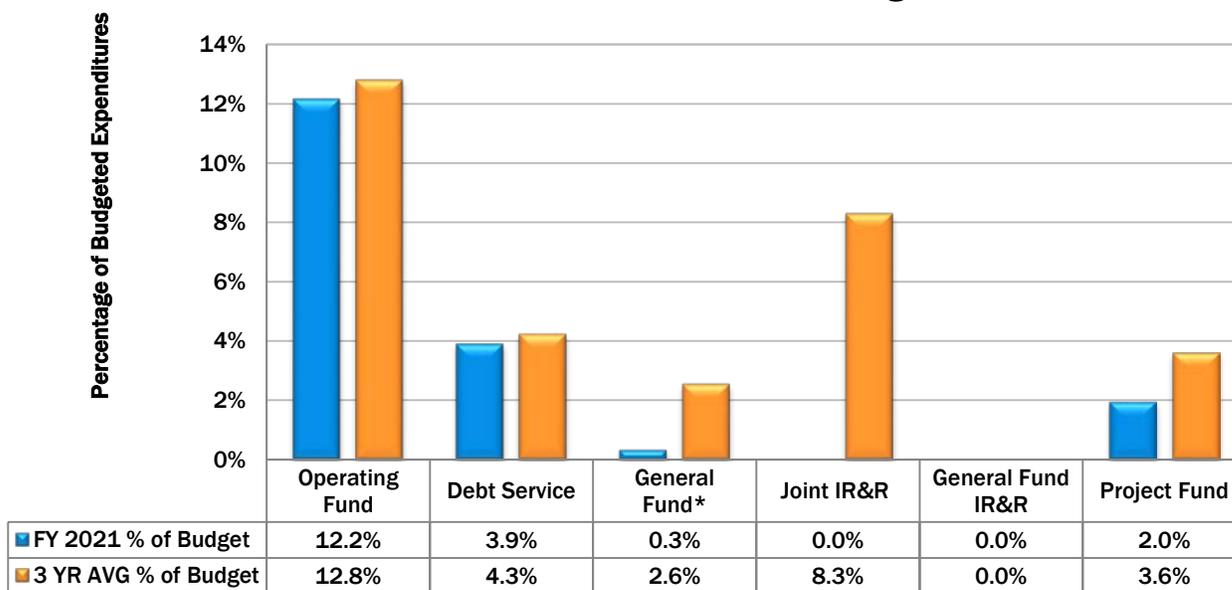
Expenses By Fund

ACTUAL VS. BUDGET Through August 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	\$ 3.46	\$ 3.62	\$ 4.73	12.2%	12.8%	-0.6%
Debt Service	14.12	0.55	0.62	2.35	3.9%	4.3%	-0.3%
General Fund*	2.28	0.01	0.10	0.38	0.3%	2.6%	-2.2%
Joint IR&R	5.63	-	0.43	0.94	0.0%	8.3%	-8.3%
General Fund IR&R	0.25	-	-	0.04	0.0%	0.0%	0.0%
Project Fund	60.86	1.19	1.57	10.14	2.0%	3.6%	-1.7%
Total	\$ 111.53	\$ 5.21	\$ 6.34	\$ 18.59	4.7%	6.6%	-2.0%

Annual Operating Expenses 3 Year Comparison



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

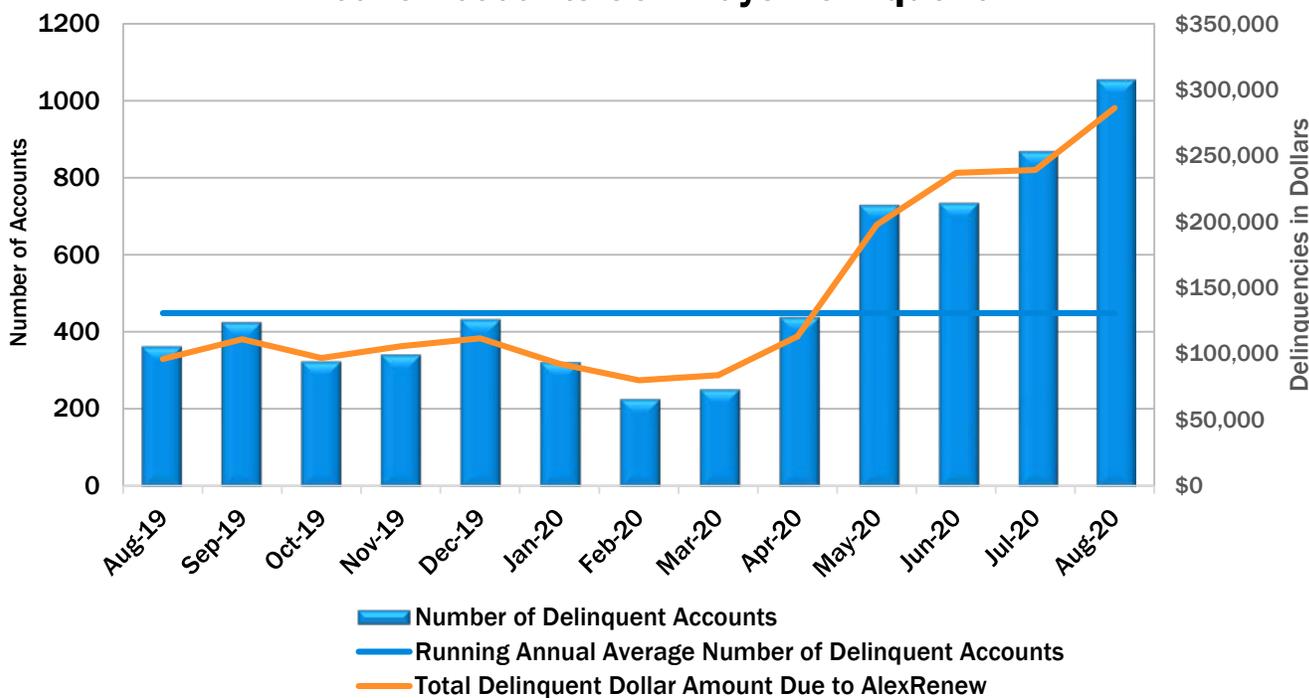


* Increase in General Fund expenditures due to Alexandria-only RiverRenew easement payment

Delinquencies

The number of accounts that are delinquent by more than 60 days increased (21%) month-over-month, from 869 accounts in July to 1,054 in August. The total dollar amount owed to AlexRenew from these accounts increased to \$286,141.

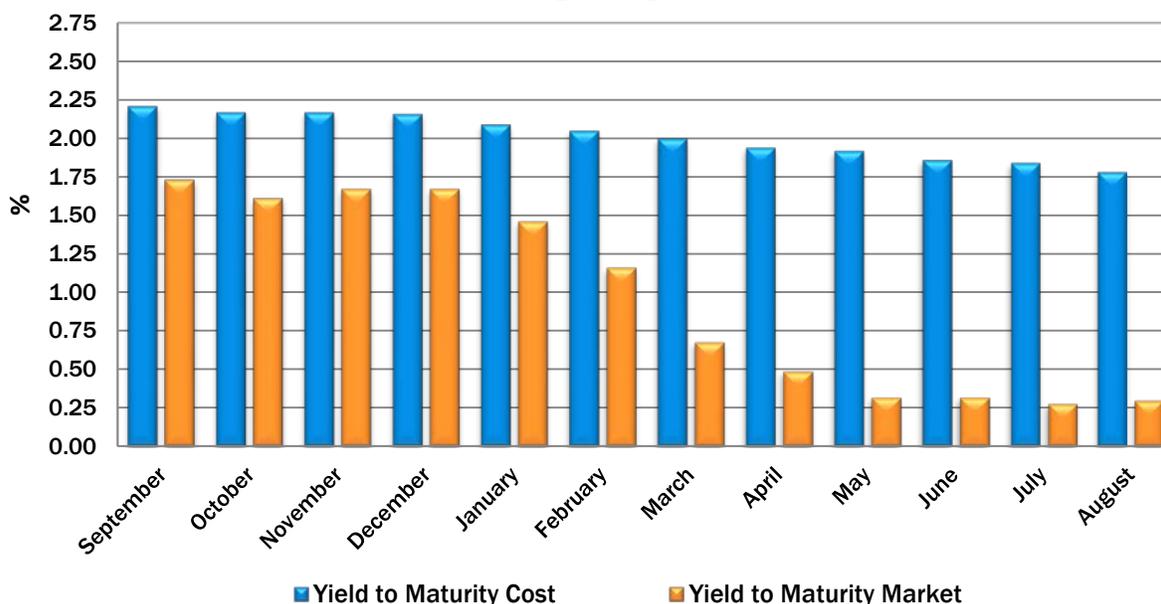
Active Accounts 60+ Days Delinquent



Investments

PFM Investment Advisors manages approximately \$21 million of AlexRenew's \$27.9 million investment portfolio. The following graph demonstrates current earnings on investments of approximately 1.78%; a level significantly higher than general bank deposit earnings rates.

Investment Yield Percentage to Maturity (Investments managed by PFM) Through August 2021

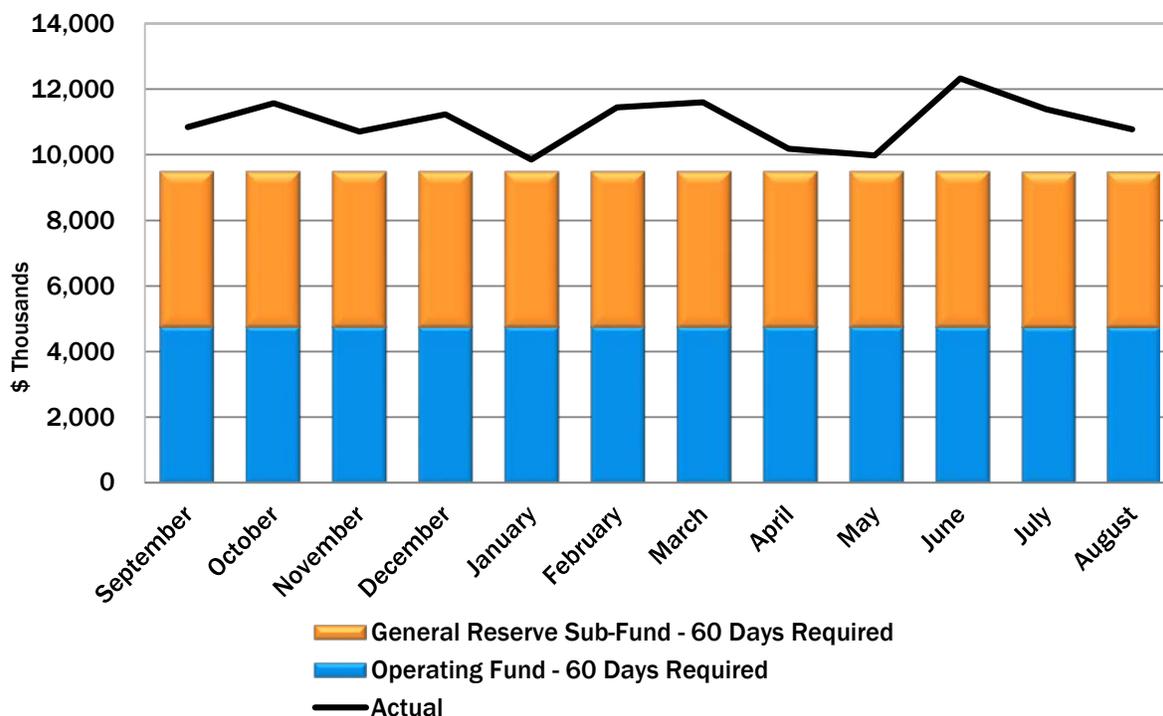


Cash Reserves

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 August, 2021		
Total Operating Cash	\$ 3,196,575	
Total Certificates of Deposit (Cash Equivalent)	\$ 2,853,030	
Total Operating Cash	<u>\$ 6,049,605</u>	
Total General Reserve Sub-Fund Cash	<u>4,731,167</u>	
Total Operating and General Reserve Sub-Fund Cash	<u>10,780,772</u>	114%

Cash Reserve Policy



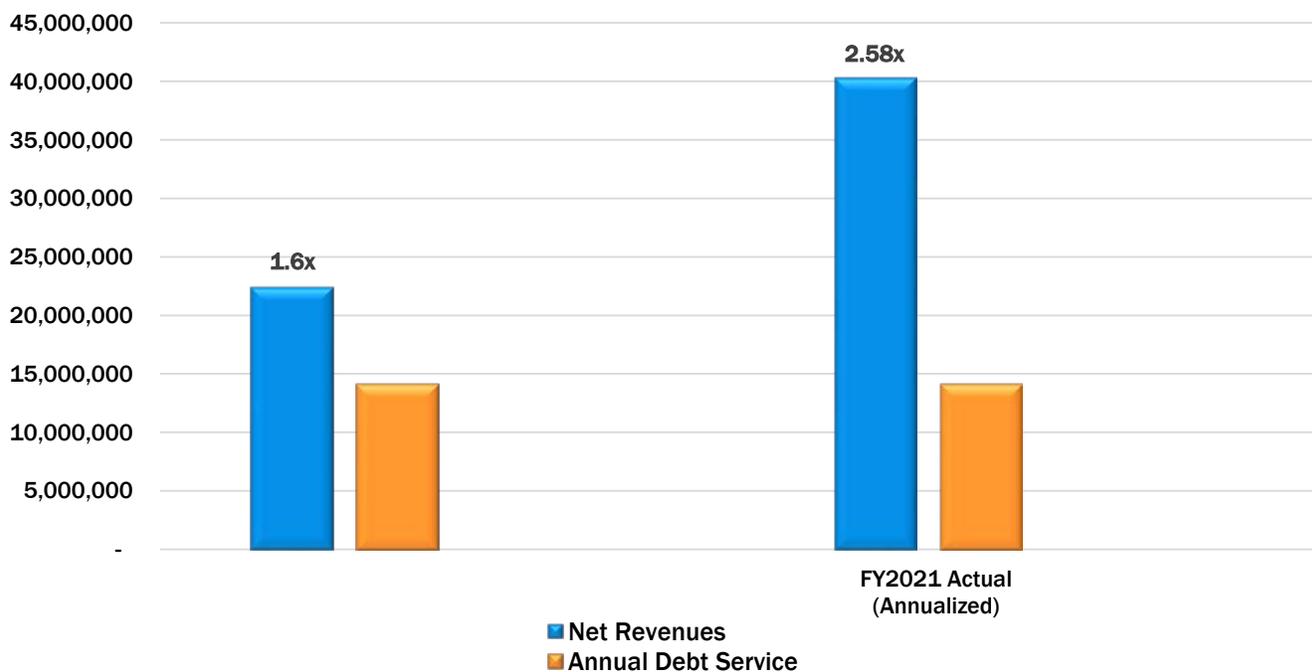
Debt Service Coverage

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 2.58x designated in the graph below represents projected coverage for FY21 based on actual results to date. We also note our anticipated coverage of 1.6x 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	34,489,100	39,492,000
Fairfax County Operating Expense Charge	11,272,272	11,272,272
Reimbursement from other systems	-	-
Investment Income	670,842	115,000
Less Restricted Investment Income	-	-
Total	46,432,214	50,879,272
LESS Operating Expenses	(9,974,482)	(28,386,991)
Net Revenues [a]	36,457,732	22,492,281
Annual Debt Service [b]	14,123,976	14,123,976
Calculated All-In Debt Coverage [a/b]	2.58x	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.

RiverRenew Board of Directors Dashboard

MONTH ENDING AUGUST 31, 2020



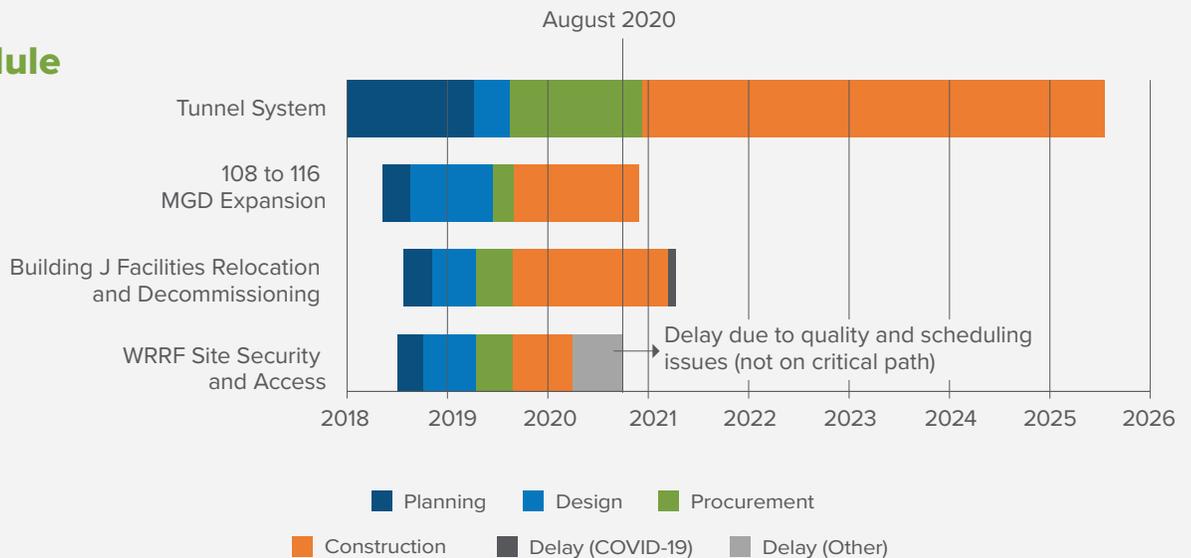
AlexRenew Tunnels Ahead

Keeping RiverRenew on track while maintaining a safe work environment

As the COVID-19 pandemic continues, the RiverRenew program remains on track to meet its legislative mandate of completion by July 1, 2025. To keep construction work moving forward while complying with the Centers for Disease Control and Prevention's protocols and Virginia's stay-at-home order, AlexRenew has implemented teleworking procedures and team rotations for essential workers.

To ensure staff safety and remain on schedule, strict protocols for site access were developed, alternate work schedules for contractors and construction management teams were established, and construction operations have been confined to discrete areas on site. Currently, it is anticipated that ongoing construction work at AlexRenew will be complete by March 2021. To keep the community informed of our progress, we are increasing RiverRenew's digital presence. Check out our featured video [here](#).

RiverRenew Project Schedule

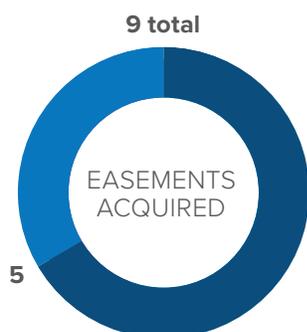
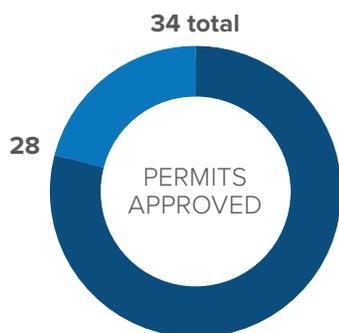


SUMMARY OF UPCOMING ACTIVITIES	
Date:	Upcoming Activities:
9/2020	Tunnel System Project proposals due
Fall 2020	Robinson Terminal North (RTN) Demolition
11/2020	Anticipated AlexRenew Board of Directors approval of Tunnel System Project
12/2020	Anticipated Notice to Proceed for Tunnel System Project

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
COVID-19 hampered review process	Delayed National Park Service and United States Army Corps of Engineers permits by 5 months

The RiverRenew Tunnel System Project

Progress to Date



Major Permit Status

- VPDES permit issued September 2018
- Environmental Assessment published June 2019
- Finding of No Significant Impact issued April 2020

Easement Agreement Status

Remaining Easements:

- St. Mary's Catholic Cemetery – permanent subterranean easement
- Two private properties – permanent subterranean easement
- Presbyterian Cemetery – temporary 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 Investigations 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



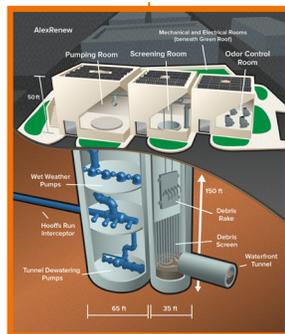
RiverRenew Tunnel System Project Components

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.

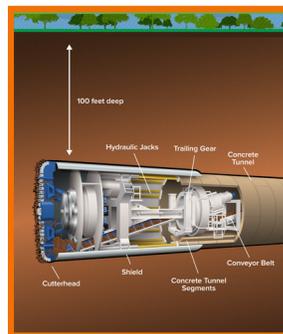


Hooffs Run Interceptor

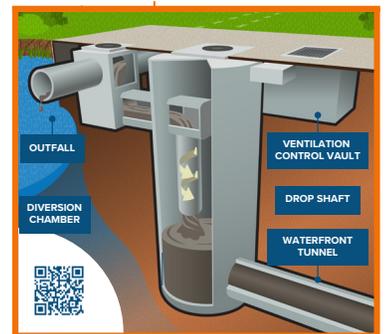
Construction:
Spring 2021-Summer 2024



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: Dec. 2020

Latest Project Updates:

- All pumps upgraded with new pull-out assemblies
- Finalizing HVAC equipment installation



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 laboratory, locker rooms, and other staff facilities nearing completion
- Preparing for staff relocation into new facilities



WRRF Site Security and Access

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

Vendor: Sorensen Gross Company

Contract Amount: \$1,527,000

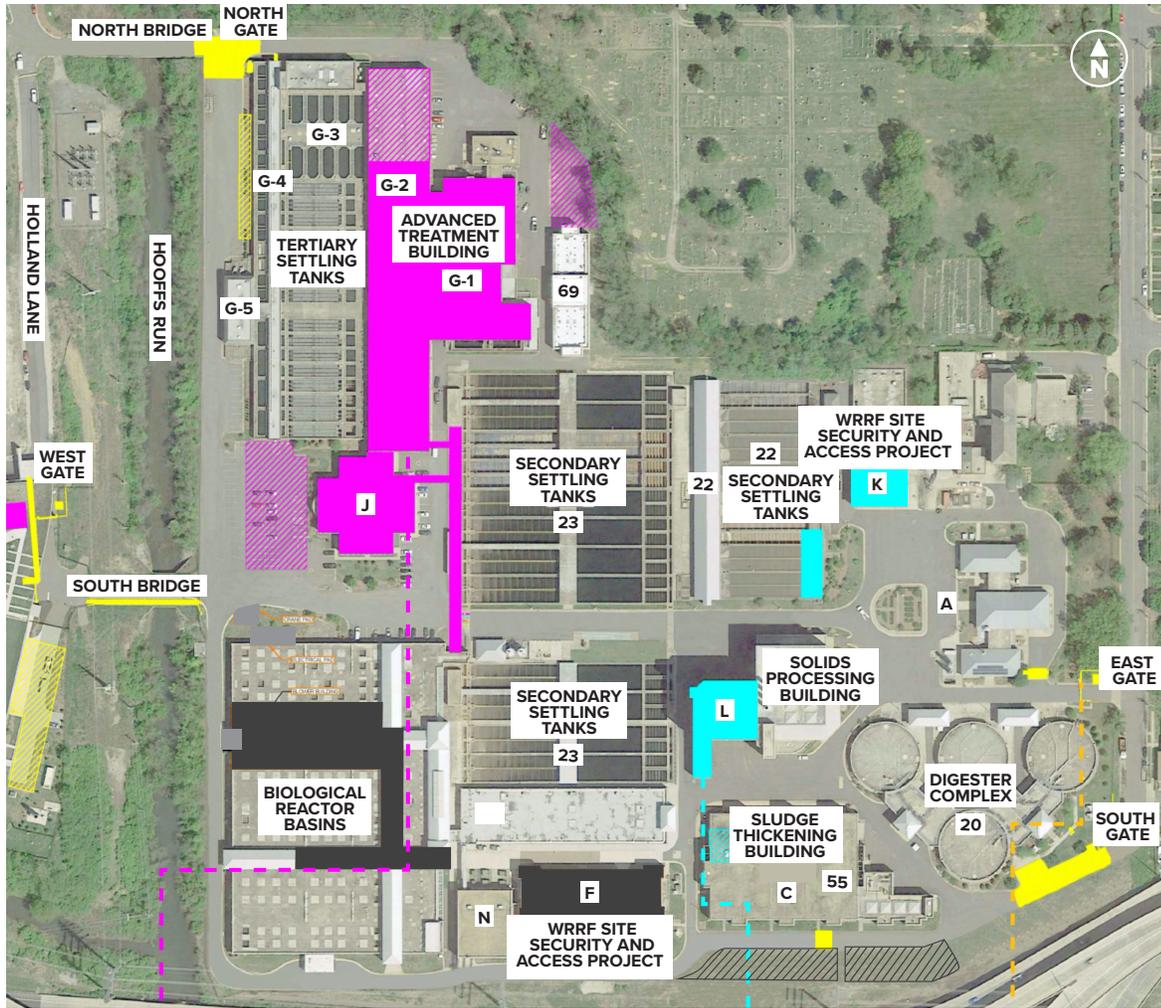
Construction Finish Date: Sept. 2020

Latest Project Updates:

- All access gates and security booths complete
- Finalizing pedestrian walkways between facilities



Map of AlexRenew Construction Projects



Relocated Laboratory in Building G2



New Locker Room Assembly



Primary Effluent Pump Replacement

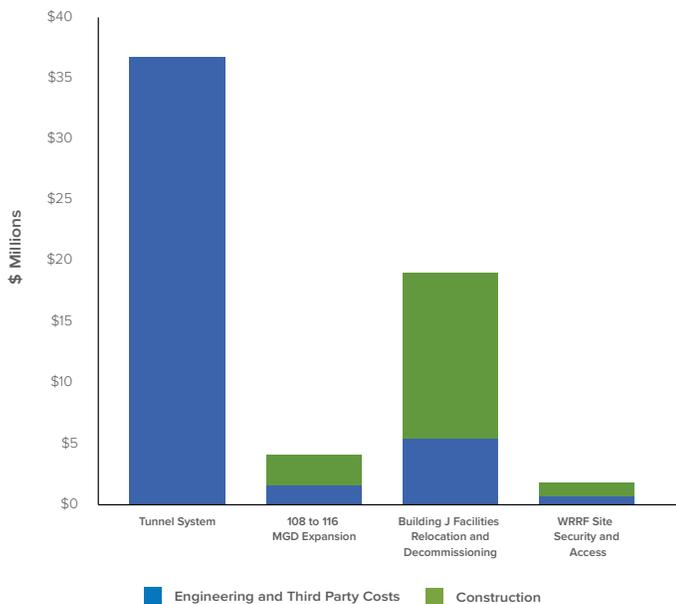


New East Gate Entrance

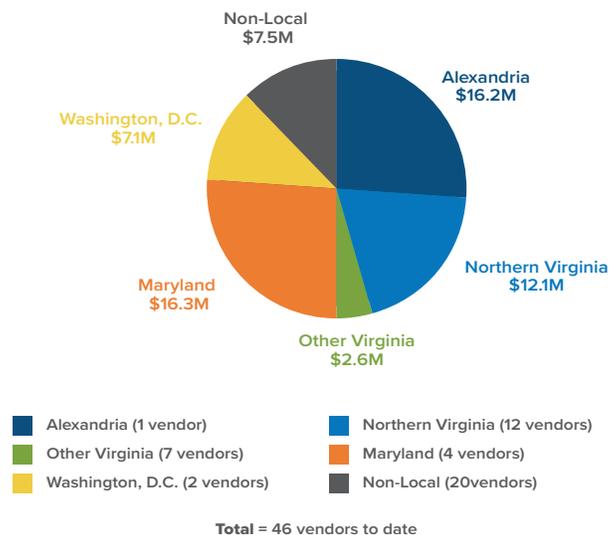


RiverRenew Program Costs to Date

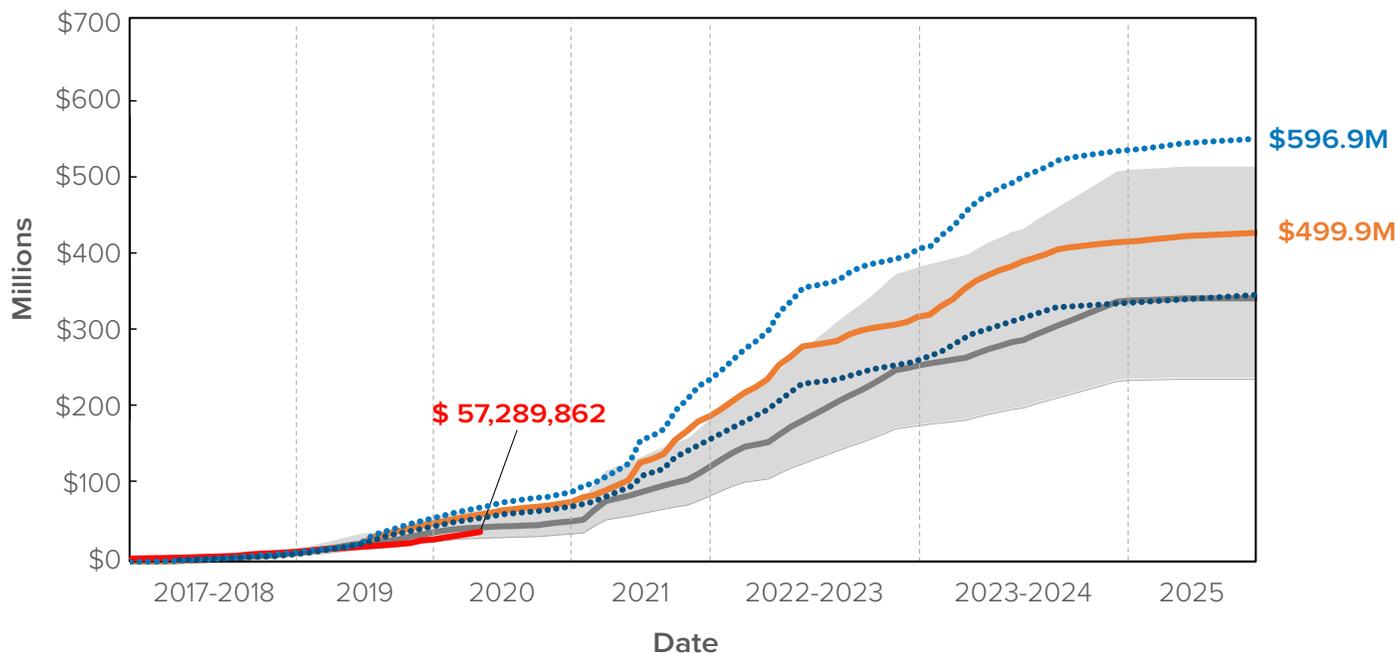
Project Costs to Date



RiverRenew Spend-to-Date by Locality



RiverRenew Cash Flow Analysis



Current Planned Projection:

- Planned Projection
- Planned Projection +20%
- Planned Projection -15%

Original Planned Projection (Nov 2018):

- Original Planned Projection
- Original Planned Projection +50%, -30%

Total program spend-to-date as of 6/30/2020

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:

- Introduced RiverRenew Mascot, Cloe the Tunnel Boring Machine
- Established Cloe's Activity Corner on RiverRenew.com



Community Meetings

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

Highlights:

- SAG Resolution on City Council Docket – 09/22/20
- SAG Applications Open – 09/23/20
- SAG Members Selected – 12/2020
- SAG Meeting #1 – 01/2021



Community Events

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

Highlights:

- Water Discovery Week – September 6–12, 2020
- United Infrastructure Week – September 14–21, 2020



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:

- RiverRenew Tunnels Ahead: On-Site Updates from AlexRenew's Wastewater Treatment Plant
- Safety Updates with AlexRenew Construction Partners
- RiverRenew: Before and After AlexRenew's Tunnel System Project



Community Days

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



Monthly Construction Spotlight

Robinson Terminal North Warehouse Demolition

One of the first steps toward healthier waterways involves the demolition of the Robinson Terminal North (RTN) warehouse. The RTN warehouse is located immediately east of Union Street between Oronoco Street and Pendleton Street and primarily served as a newsprint storage facility for the Washington Post from 1939 to 2013.

AlexRenew plans to demolish the steel structure to grade this Fall to pave the way for the Tunnel System Project to start in Spring 2021. While construction of the diversion facility is necessary to address the discharge of combined sewage at Outfall 001, the demolition work is not associated with the Tunnel System Project. AlexRenew is currently working with the City to finalize the permitting process and implementing a community outreach plan to inform residents and neighbors about the demolition. Keep an eye on riverrenew.com and AlexRenew's Facebook and Twitter pages to learn more.

Solving a Century-Old Problem with RiverRenew

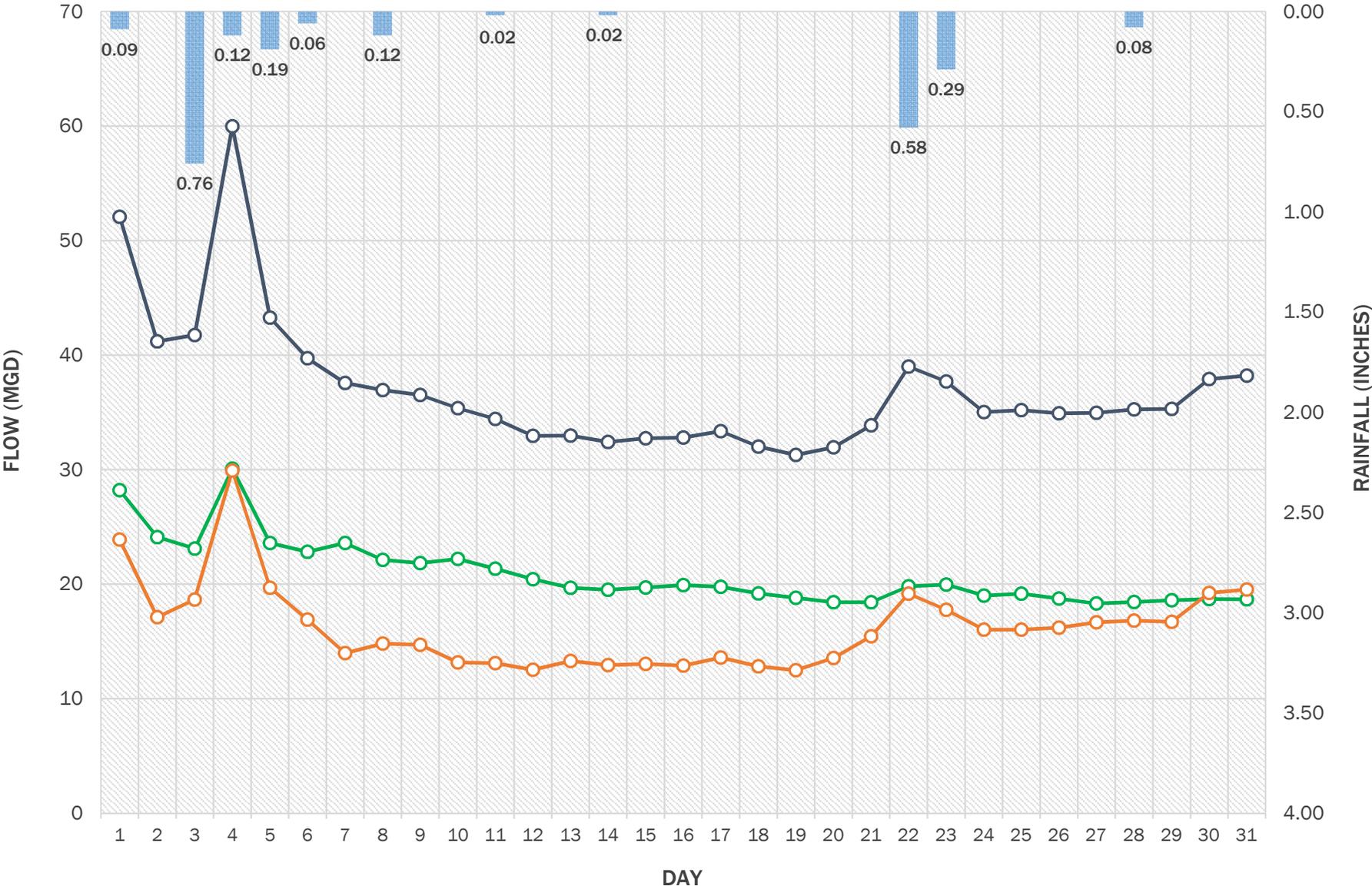
Click [here](#) to watch an animated video about RiverRenew and learn how the Waterfront Tunnel will be constructed.

To learn more, visit www.RiverRenew.com



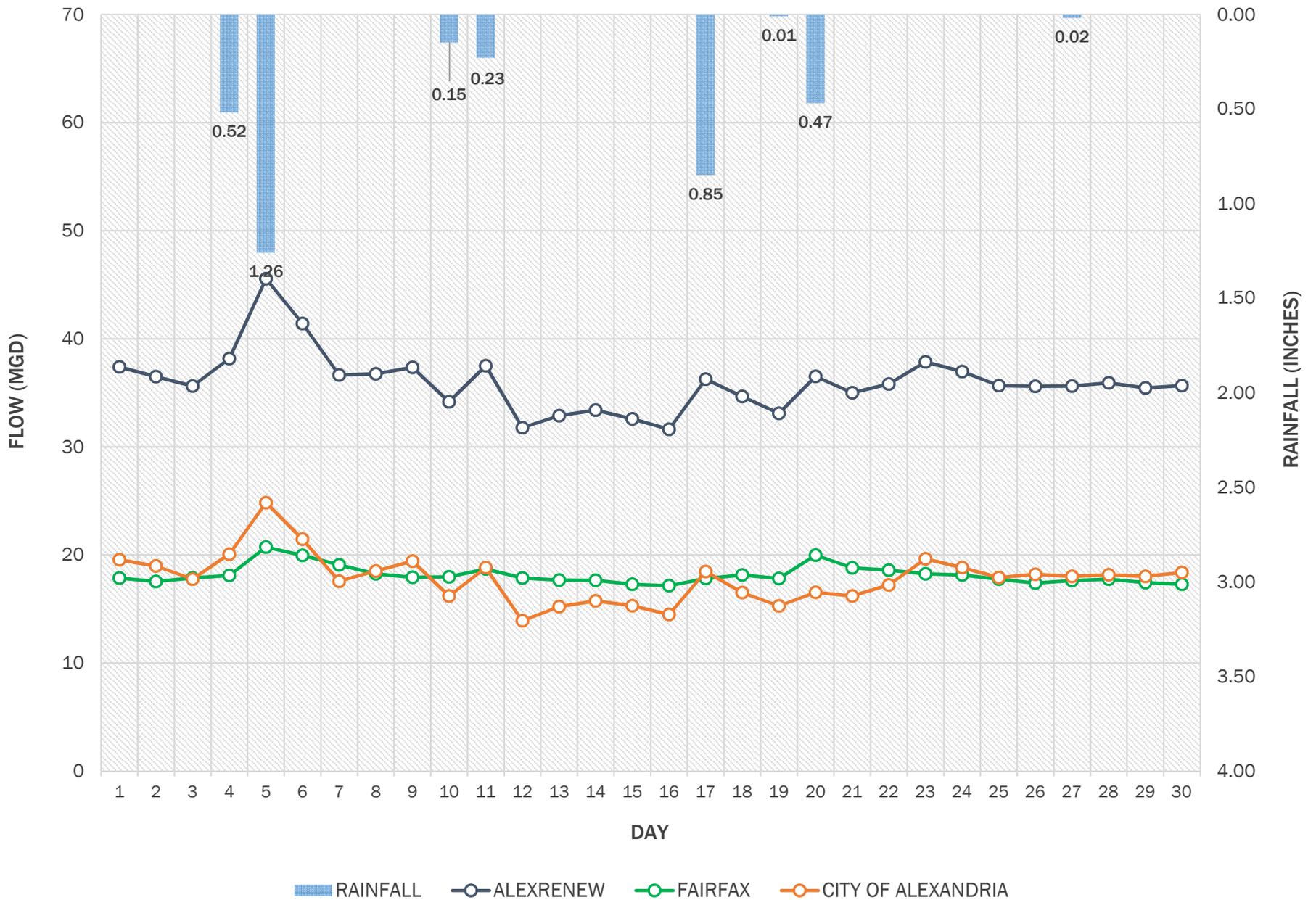
RiverRenew is a program owned and implemented by AlexRenew, Alexandria's wastewater treatment provider.

ALEXRENEW DAILY FLOWS, MAY 2020

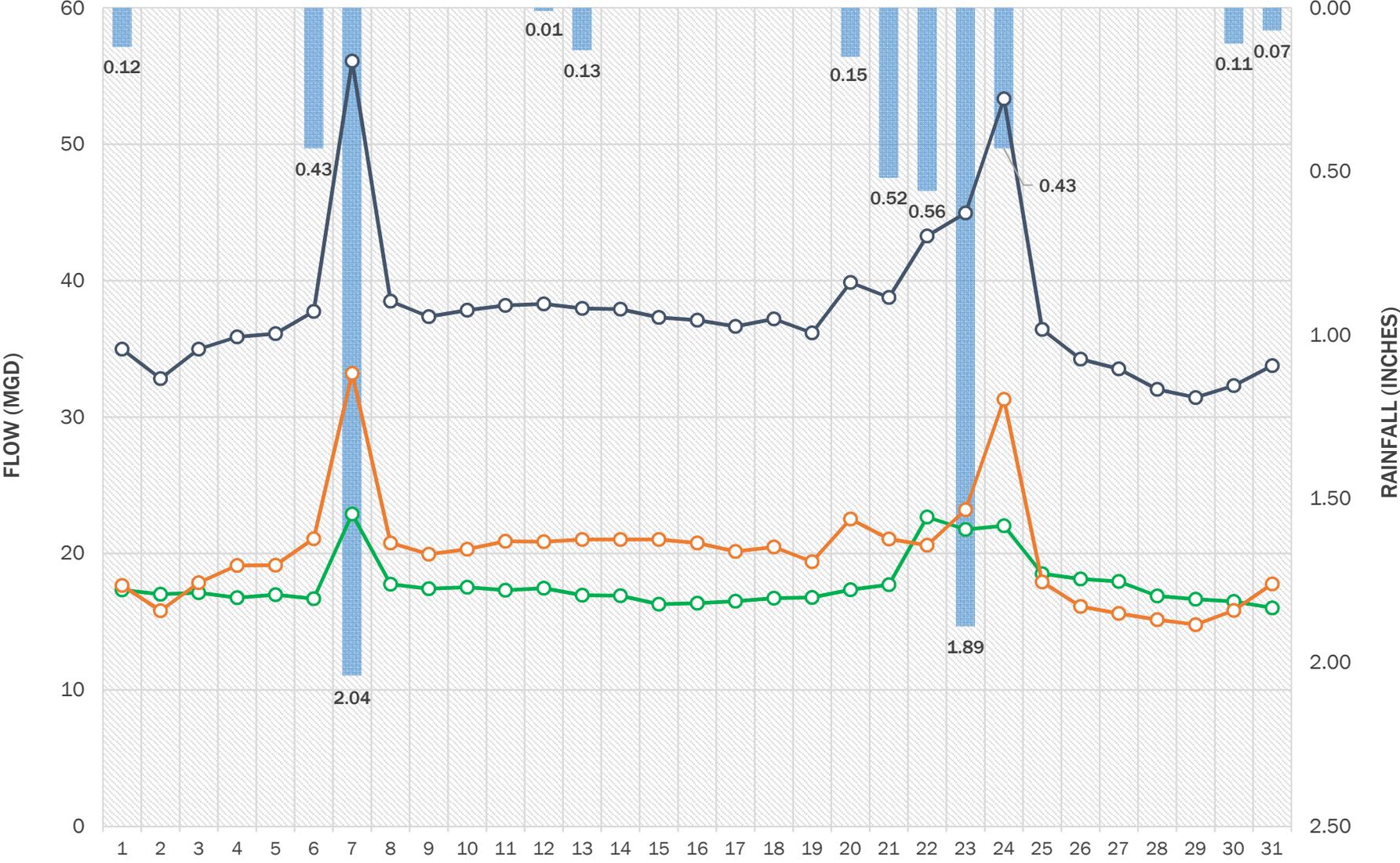


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ALEXRENEW DAILY FLOWS, JUNE 2020



ALEXRENEW DAILY FLOWS, JULY 2020



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