



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

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

General Counsel
McGuireWoods, LLP

INTERNAL MEMORANDUM

TO: AlexRenew Board of Directors

FROM: Secretary-Treasurer

DATE: February 8, 2022

SUBJECT: Regular Board of Directors Meeting - Virtual

The Regular Meeting of the Board of Directors will be held virtually on Tuesday, February 15, at 6:00 p.m.

Attached is the February Monthly Board Meeting information for your review.

There is one new business item requiring Board action this month.

- ◆ Request for Board Member Participation on the Ellen Pickering Environmental Excellence Award Selection Committee (*Alexandria only*)



Agenda

Alexandria Renew Enterprises Board of Directors Meeting
Tuesday, February 15, 2022 @ 6:00 p.m.
VIRTUAL via Zoom

No.	Item	Presenter	Action Required
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Due to Covid-19 pandemic emergency, the February 15, 2022 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 to undertake essential business.

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

Links: https://us06web.zoom.us/webinar/register/WN_Fyy5w2iyQ-Se1pfDAU8R8A

*Topic: Regular Board of Directors Meeting
Register in advance for this webinar:*

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 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 added to 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 (6:04 p.m.)	Mr. Rak	Information
4.	Public Comment Period (6:12 p.m.)	Chairman	
5.	Consent Agenda (6:15 p.m.) A. Minutes (Meeting January 18, 2022) B. Review and Approve a Contract Award to Winmar Construction, Inc. for the Construction of the G1 & IPS Roof Replacement Project (Joint Use) (Tab 1)	Chairman	Approval
6.	Unfinished Business (6:17 p.m.) A. None	Chairman	Approval
7.	New Business (6:25 p.m.) A. Request Board Member Participation on the Ellen Pickering Award Selection Committee (Tab 2)	Chairman Chairman	Approval
8.	AlexRenew Monthly Outcomes Update (6:35 p.m.) (Tab 3)	Ms. Pallansch	Information
9.	Adjourn (6:50 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 ext. 2260 at least three business days prior to the meeting.

The next Board of Directors meeting is virtual and scheduled for Tuesday, March 15, 2022 @ 6:00 p.m.

**Chairman- John Hill • Vice Chairman- Jim Beall
• Secretary-Treasurer-William Dickinson
• Members- Adriana Caldarelli, Kerry Donley**

Minutes of the 890th Meeting - Virtual
“Celebrating Over 60 Years of Continuous Environmental Excellence”
Alexandria Renew Enterprises
Tuesday, January 18, 2022

On Tuesday, January 18, 2022, the Alexandria Renew Enterprises Board of Directors held its regular Board of Directors meeting electronically using the Zoom software with no members physically present. The meeting was recorded, and a recording has been posted on the Alexandria Renew website. The following individuals attended electronically:

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

Staff: Ms. Karen Pallansch, Chief Executive Officer
Ms. Liliana Maldonado, Chief Environmental Performance Officer
Ms. Christine McIntyre, Chief Financial Officer
Ms. Catlin Feehan, RiverRenew Program Director
Ms. Lorna Huff, Secretary to the Board

Counsel: Mr. Jonathan Rak, General Counsel,
McGuireWoods LLP

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

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

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

Call to Order

The Chairman called the meeting to order at 6:00 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. Ms. Caldarelli moved, and Mr. Beall seconded. The Board unanimously approved.

The Chairman recognized Mr. Rak who reviewed the procedures for holding an electronic meeting.

Explanation of Required Procedures for an Electronic Meeting

Mr. Rak reported that City Council has extended the local State of Emergency through June 30, 2022. The Alexandria Renew Enterprises Board can meet virtually under Board-approved procedures. Due to the Covid-19 pandemic emergency, the January 18, 2022, Alexandria Renew Enterprises Board of Directors meeting is being held electronically pursuant to our electronic meeting guidelines and the local state of emergency. The meeting is being recorded, and a recording will be posted to the Alexandria Renew website. The public has been notified that if they wish to comment during the public comment period, they can do so through the Zoom platform.

Public Comment Period

There were no members of the public in attendance wishing to speak. The Chairman moved to the Consent Agenda.

Consent Agenda

The Chairman requested that members review the Minutes from the December 21, 2021, meeting. There being no questions or comments, Mr. Beall moved, and Ms. Caldarelli seconded. The Chairman called the roll with all members voting aye.

Unfinished Business

- A. None

New Business

- A. Welcome New Board Member Kerry Donley

Discussion

The Chairman noted that the City received seven responses to the AlexRenew Board vacancy announcement. As AlexRenew enters a period of higher visibility due to the impact of large construction projects on the neighborhoods and the rates, the Authority is fortunate to have someone with Mr. Donley's knowledge of the City and experience in City government as a member.

The Chairman recognized Mr. Donley who reported that he lives in the West End of Alexandria in Seminary Hill, and recently retired from John Marshall Bank after a 40-year career in commercial banking. He noted 18 years' experience on City Council with 8 years as Mayor, bringing finance and bond rating agency experience to AlexRenew. He looks forward to serving on the Board and meeting members and staff in person.

Mr. Hill offered the idea of walks around the City to Mr. Donley and the other members as an opportunity to meet safely and visit the AlexRenew sites under construction.

There were no other questions or comments and the Chairman recognized Ms. Pallansch.

CEO Monthly Outcome Reports

Ms. Pallansch reviewed her CEO Report to familiarize the Mr. Donley with the monthly Outcomes Report. AlexRenew has gone two years without a case of Covid. Over the holidays, as staff returned from vacations, AlexRenew experienced 14 cases of Covid-19. AlexRenew is currently at 16 cases. She reported that AlexRenew has a 97% vaccination rate as of January 1. The vaccination rate is not expected to increase significantly due to remaining staff having legitimate medical or religious exemptions. She noted that the Covid vaccine policy has helped AlexRenew achieve the vaccine rate and all requirements are in place to keep staff safe.

Operational Excellence

The Operational Excellence section is where staff reports mandatory permit compliance. She reported AlexRenew's mission is to treat wastewater. AlexRenew continues to meet or exceed permit requirements.

Ms. Pallansch provided clarification on a recent article on wastewater surveillance and provided program details. AlexRenew is participating with a grant from the CDC through the Department of Health and Human Services (HHS). Sampling takes place once a week and the analysis looks for the covid-19 genetic material load. The load provides an indication of the amount of Covid in the community with data used by hospitals to determine if a surge is imminent.

Members inquired about AlexRenew trends tracking with other organizations' monitoring programs, and the expense attached to the surveillance. Ms. Pallansch reported that AlexRenew trends are tracking with the data from other organizations. She noted that private firms charge approximately \$350 per sample. As AlexRenew participates through a grant, there are no costs associated with the sample analysis. The data is shared with the Alexandria Health Department and the VDH is looking to create a dashboard for this information for distribution.

Public Engagement & Customer Service

Ms. Pallansch reported that she would review the account delinquency data later in the financial report.

RiverRenew Dashboard

Ms. Pallansch reported that the RiverRenew Dashboard is provided monthly to the AlexRenew Board. A similar Dashboard is supplied quarterly to City Council members serving on the Council Board Workgroup. Ms. Pallansch reviewed the Dashboard noting the key features on each of the pages. She noted the tunnel segment mold manufacturer had an outbreak of Covid and work has been moved to a manufacturer in Turkey. A 4-week delay is expected.

Mr. Beall and Mr. Dickinson inquired about managing absences during the surge at AlexRenew and whether staff had been hospitalized. Ms. Pallansch reported that the absences were managed through overtime and contractors. No staff members have been hospitalized during the pandemic.

Ms. Pallansch noted educational elements with Chloe the Tunnel Boring Machine and reported that wherever there is a major construction event that could negatively impact the community, AlexRenew stages a tent with staff to respond to questions from the community. She requested that Board members contact her if they have an HOA or others that would like a briefing on the construction program. She requested that members email her with any questions on the Dashboard.

Ms. Pallansch recognized Mr. Carl who gave a presentation on the progress of the tunnel boring machine (TBM). (See attached). Mr. Carl reported that the TBM is currently under construction in Germany. He reviewed its major components noting the location of the shield, cutter head, main drive, trailing gear and airlock. He reported there is a factory test due early April with shipping of the TBM expected by early May.

Financial Report

Ms. Pallansch reviewed the financial report noting expenses are broken out on page 3 of the report. She reported significant cost increases in chemical and trucking costs and other basic needs of equipment and tools. She reported AlexRenew is trending positively compared to the budget.

Delinquencies

Ms. Pallansch reported that delinquencies fluctuate monthly and AlexRenew is not currently disconnecting customers. AlexRenew currently has 1, 500 customers over 60 days delinquent. She reported CARES Act Funding of \$430,000 and noted that AlexRenew provided 9 rounds of payouts that expended all funds. AlexRenew used a company called Promise Pay who helped with customer outreach. AlexRenew has received \$229,000 from ARPA. The program begins at the end of August and runs through the end of the year. Customers who qualify must be over 60 days delinquent.

Ms. Pallansch reported that AlexRenew uses PFM as a financial advisor for financial policy, cash reserves and debt service discussions.

The Chairman noted that personnel expenses are down. Ms. Pallansch reported that much of this is pandemic related. Many staff were well-trained and have moved into very good jobs in other areas. She noted that AlexRenew is rebuilding and retooling staff.

Ms. Pallansch noted AlexRenew's 2021 Annual Report has been simplified. Staff will mostly use the electronic format for distribution. She noted the Board calendar which has been placed in BoardEffect and is updated monthly. She reported 25 people registered for the upcoming Listening Session.

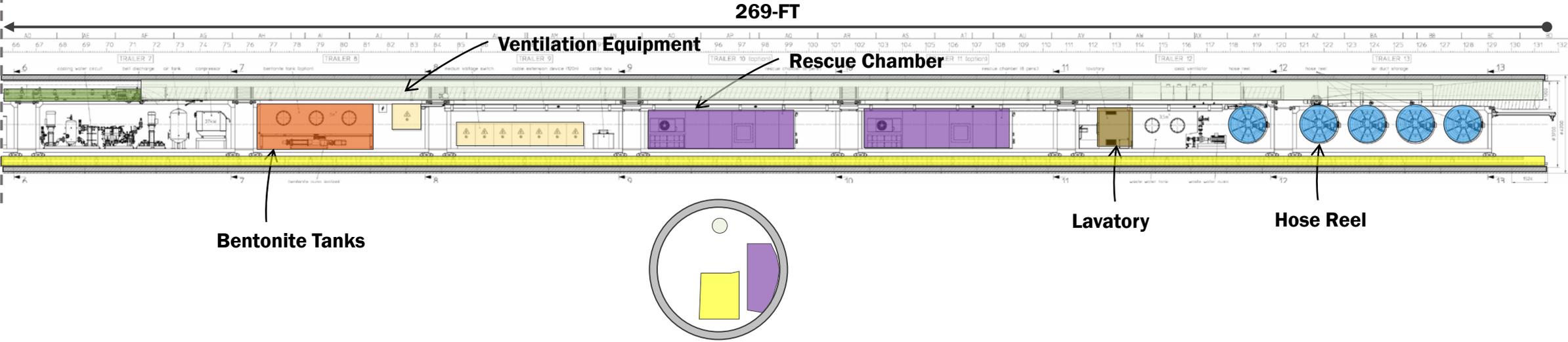
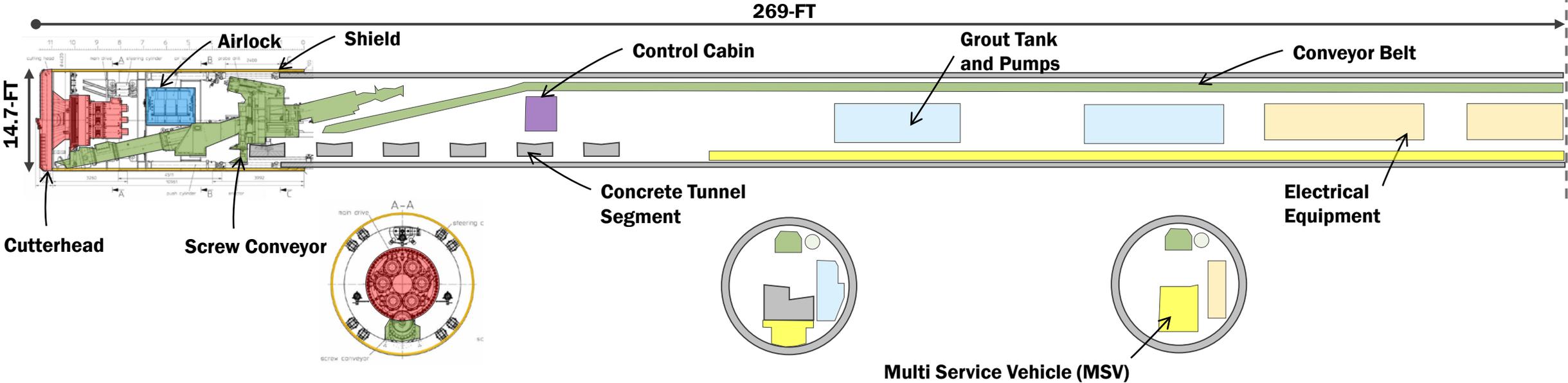
Mr. Dickinson noted the new City Manager and that as soon as possible the CEO will introduce him to AlexRenew. Ms. Pallansch reported that the new City Manager is currently working on the budget. She will work with Ms. Emily Baker, a Deputy City Manager, to accomplish this.

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

The meeting adjourned at 6:50 p.m.

Secretary-Treasurer

Major Components of the RiverRenew Tunnel Boring Machine



Tunnel Boring Machine Fabrication Update

Shield, Main Drive, and Cutterhead



Tunnel Boring Machine Front Shield



Main Drive



Cutterhead

Tunnel Boring Machine Fabrication Update

Airlock



Airlock



Decompression Chamber



Compression Chamber

Tunnel Boring Machine Fabrication Update

Trailing Gear



Gantry 1



Gantry 4



Gantry 8



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INTERNAL MEMORANDUM

TO: AlexRenew Board of Directors
FROM: Karen Pallansch, Chief Executive Officer
DATE: February 8, 2022
SUBJECT: Alexandria-Only Action Item: Request for Board Member Participation on the 2022 Ellen Pickering Environmental Excellence Award Selection Committee

Issue:

The AlexRenew Board of Directors has a representative on the annual Selection Committee to choose the 2022 recipient of the Ellen Pickering Environmental Excellence Award.

Recommendation:

Staff respectfully recommends that the Board of Directors select a member to serve as AlexRenew's representative on the 2022 Ellen Pickering Environmental Excellence Award Selection Committee.

Budget and Funding:

There is no budget associated with this request.

Discussion:

For over ten years, AlexRenew has partnered with the City of Alexandria Environmental Policy Commission to award the Ellen Pickering Environmental Excellence Award. This annual award program selects and formally recognizes outstanding citizens or groups who have demonstrated a commitment to protecting the natural environment and promoting environmental sustainability within the City of Alexandria. The award selection committee is typically made up of a member of Mrs. Pickering's family, a member of the AlexRenew Board of Directors, and a member of the City's Environmental Policy Commission. Board members who have served on this committee recently include John Hill (2015 -2017), Patti Turner (2018-2019), and Adriana Caldarelli (2021). Note: the award was not given in 2020.

The Ellen Pickering Environmental Excellence Award is named to honor Mrs. Pickering's lifelong dedication to preservation and conservation efforts in the City of Alexandria. Frances Ellen Pickering, a long-time City activist, first gained recognition over 40 years ago for her lobbying efforts that helped to create the Mount Vernon Trail between Alexandria and Washington. An active preservationist and conservationist, she was

deeply committed to protecting and enhancing the City's waterfront. She urged the adoption of the City's Open Space Plan, lobbied to preserve Founder's Park and protect it from high-rise development, and implemented the planting of 1,000 citizen-donated cherry trees during her tenure as chair of the Alexandria Beautification Commission.

Mrs. Pickering was elected to City Council as an independent, serving for one term between 1976 and 1979. She also served on numerous City boards and commissions, including the Alexandria Beautification Commission, the Alexandria Sanitation Authority, the Ad Hoc Committee on Potomac Yard, the Potomac Greens Task Force, and the Open Space Steering Committee. She chaired the Northern Virginia Conservation Council for many years. She won two Salute to Women Awards from the City's Commission on Women. She was an active member of the League of Women Voters and the Alexandria chapter of the American Association of University Women.

The following paragraphs detail on the award's timing, criteria and topics, and the expectations for the Selection Committee's commitment.

Timing: The nomination deadline is Friday, March 25, 2022. The award is anticipated to be announced and presented at a tree-planting event on April 23, 2022 hosted by the City of Alexandria Environmental Policy Committee.

Nomination Criteria: Citizens nominated for the Ellen Pickering Environmental Excellence Award must be residents of the City of Alexandria. Groups, clubs, organizations, and corporations must operate within the City of Alexandria. The actions of the nominees must have a direct impact on the environment and natural resources within the City of Alexandria.

Contributions to be Considered: Contributions related to the following areas are considered applicable to the award criteria: natural resource preservation, energy conservation, climate change mitigation, education outreach regarding environmental sustainability, water preservation, water conservation, waste reduction and/or materials reuse/recycling, and promotion of clean air.

Level of Committee Commitment: Selection Committee members will be required to review nominations and meet to discuss rankings and select an award recipient. The Selection Committee will score the nominations individually and meet (preferably via teleconference) to select an award recipient. Estimated time commitment is four hours.

Congruence with AlexRenew Strategic Plan:

This action enables AlexRenew's strategy of Watershed Stewardship.

ACTION TAKEN:

APPROVED: _____ DISAPPROVED: _____

APPROVED WITH MODIFICATION: _____

MODIFICATIONS: _____

CEO Board Report January 2022

Dear Members of the Board of Alexandria Renew Enterprises,

The Alexandria Renew Enterprises (AlexRenew) Board of Directors met virtually on January 18, 2022. During the meeting, the Board welcomed its new board member, Mr. Kerry Donley.

In January, AlexRenew had 7 reported cases of COVID-19. AlexRenew continues to adapt its policies to ensure that it follows CDC guidance and is in compliance with Virginia Department of Labor and Industry standards.

Operational Excellence

Precipitation for January at the Reagan National Airport was 3.68 inches of rain and 12.3 inches of snow, which is above the Washington, D.C. historical average precipitation of 3.05 inches for the month.

Biosolids production for January was 1,740 wet tons, all of which was beneficially used through land application in the Virginia counties of Essex, Fauquier, King George, and King William.

AlexRenew met all Virginia Pollutant Discharge Elimination System (VPDES) effluent parameters for January 2022.

Treatment	Daily Average Flow	Carbonaceous Biochemical Oxygen Demand	Total Suspended Solids	Ammonia (as N)	Dissolved Oxygen	Total Nitrogen ¹	Total Nitrogen LOAD	Total Phosphorus	Total Phosphorus LOAD
	MGD	(Monthly Average) mg/L	(Monthly Average) mg/L	(Monthly Average) mg/L	(Minimum) mg/L	(Annual Average) mg/L	(YTD) lb.	(Monthly Average) mg/L	(YTD) lb.
Permit	54.0	5.0	6.0	Seasonal ²	6.0	3.0	493,381	0.18	29,603
Reported	37.4	<QL	2.8	0.27	9.2	3.5	14,421	0.08	312

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

On January 27, 2022, AlexRenew hosted its annual Employee Recognition Luncheon. To meet COVID protocols, the event was held in the basement of G Building, with posters placed around the gathering area highlighting team and individual recognitions, awards and accomplishments.

Customer Service

Customer service received a total of 976 calls with 52 percent opting for self-service. The average call answer time was 19 seconds. Call center staff answered 95 emails.

Social Media and Website

70 percent of people who engaged with us on Facebook during January were from the City of Alexandria; the majority (66 percent) were women and 33 percent were men. We had 161 organic engagements on Facebook. We currently have 3,460 Facebook followers. AlexRenew had 149 organic engagements on

Twitter and 14 on LinkedIn. We have a total of 3,305 followers on Twitter, 2,392 on LinkedIn, and 208 Instagram followers. Our website had 6,045 sessions and 9,761 page views during January. We had 37 visitors click through to our website from social media. The RiverRenew website had 629 visitors and 2,446 page views.

Watershed Stewardship

See RiverRenew Dashboard. (Attachment 1)

Adaptive Culture

Since July 2021, AlexRenew has logged 83,175 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: JANUARY 31, 2022

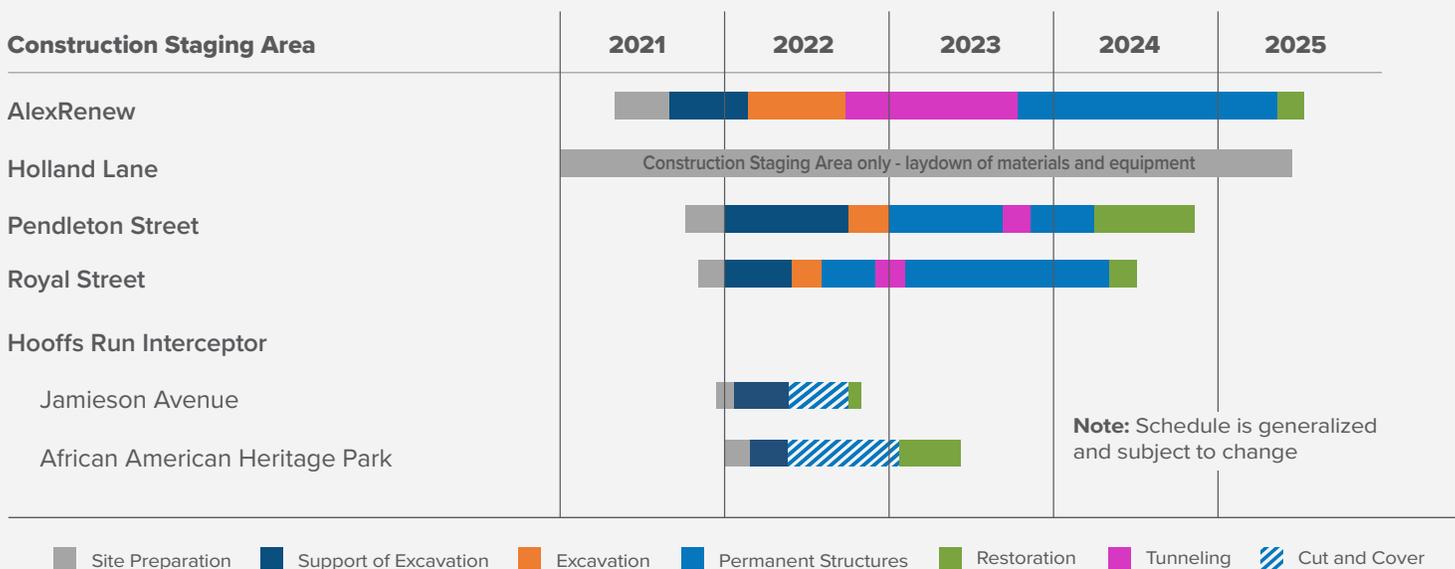
RiverRenew is a program owned and implemented by AlexRenew, Alexandria's public regional wastewater treatment provider.

RiverRenew Overview

To improve the waterways that connect us, AlexRenew is implementing RiverRenew to prevent millions of gallons of combined sewage from polluting Alexandria's local rivers and streams each year. Three RiverRenew projects at AlexRenew's wastewater treatment plant are complete. The remaining project includes the construction of a new tunnel to connect AlexRenew's wastewater treatment plant to the four existing combined sewer outfalls in Alexandria.

The Tunnel Project is illustrated on Page 4 of this Dashboard. Construction associated with the Tunnel Project started in early 2021 and will continue through 2025 at five primary locations in Alexandria. The phases of construction at each location are illustrated in the schedule below.

RiverRenew Tunnel Project Schedule



Summary of Major Tunnel Project Delays

Date:	Activity:
12/2021	Monitoring potential supply chain issues due to ongoing pandemic
12/2021	COVID outbreak at tunnel segment mold plant in Slovenia. Manufacturing for tunnel segment molds relocated to Turkey. Anticipated one-month delay on tunnel segment molds.
1/2022	Concrete for shaft slurry walls delayed due to weather, COVID impacts, shortage of CDL drivers due to Omicron spike, and lack of concrete materials in the Greater Metro D.C. area. Monitoring schedule impacts to critical path.

RiverRenew Tunnel Project Design-Build Progress

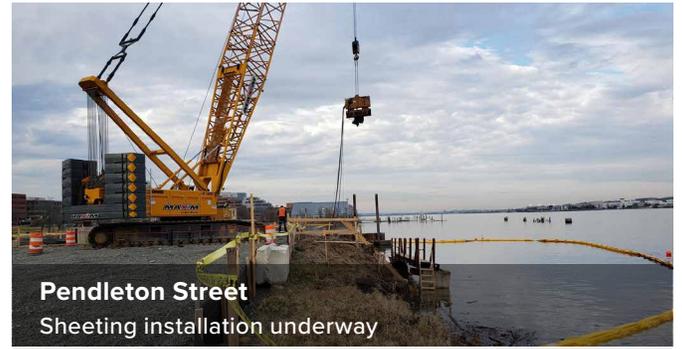
Overall Project Progress

(Design and Construction)



▲ DEC 2020

▲ JUL 2025 ▲

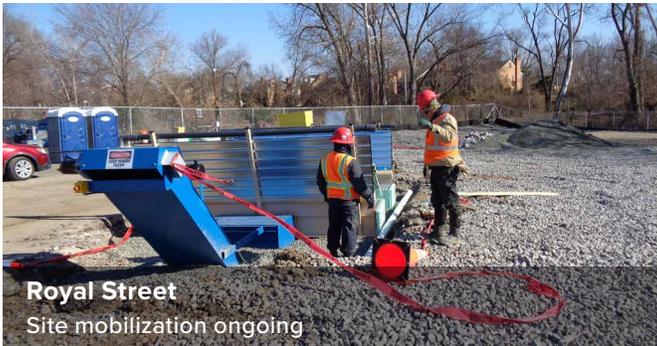


Pendleton Street
Sheeting installation underway



JUN 2022 ▲

▲ NOV 2024 ▲



Royal Street
Site mobilization ongoing

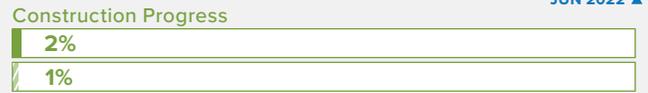


JUN 2022 ▲

▲ JUL 2024 ▲



Hooffs Run
Installing support of excavation for diversion chamber



JUN 2022 ▲

▲ JUN 2023 ▲

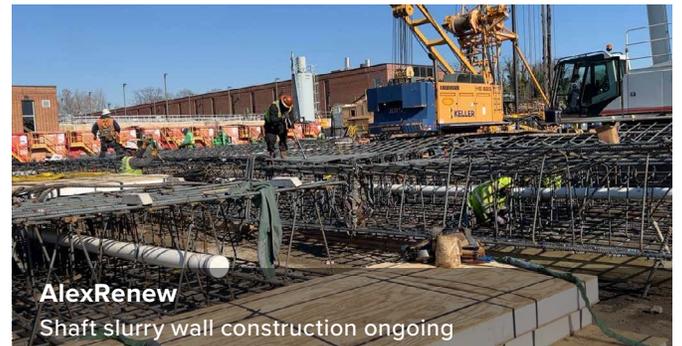


Waterfront Tunnel
TBM fabrication ongoing



▲ APR 2022 ▲

▲ SEP 2023 ▲



AlexRenew
Shaft slurry wall construction ongoing



▲ MAY 2022 ▲

▲ JUL 2025 ▲

LEGEND: ■ Actual Progress ■ Planned Progress ▲ Planned Completion Date

Actual progress as of January 31, 2022. Planned Progress bars are representative of updates to Baseline Schedule.

RiverRenew Tunnel Project Six-Month Look-Ahead

Community Outreach

Event	Date
2022-2023 RiverRenew SAG Meeting No. 7	Mar 17, 2022
2022-2023 RiverRenew SAG Meeting No. 8	May 19, 2022
Community Listening Sessions	July 2022

Royal Street

MAJOR WORK ACTIVITIES

Activity	Date
Site mobilization and preparation	Ongoing through Mar 2022
Set up site for shaft support of excavation	Apr 2022
Shaft support of excavation	May 2022
Set up site for shaft excavation	Jul 2022

PERMITS

Permit	Date
Building Permit - Shaft Support of Excavation	Mar 2022
DSUP Final Site Plan Approval	May 2022
Building Permit - Shaft Liner and Base Slab	Jun 2022
Building Permit - Near Surface Structure and SOE	Jun 2022
Building Permit - Shaft Roof	Jun 2022

Waterfront Tunnel

MAJOR WORK ACTIVITIES

Activity	Date
Tunnel segment liner design	Feb 2022
Install instrumentation	Mar 2022
Tunnel boring machine	
Cutterhead fabrication	Feb 2022
Assembly	Feb 2022
Commissioning	Apr 2022
Factory testing	Apr 2022
Shipping	May 2022
Arrive at AlexRenew	Jun 2022
Assembly at AlexRenew	Jun 2022
Lower into shaft	Jul 2022

Pendleton Street

MAJOR WORK ACTIVITIES

Activity	Date
Install backfill	Feb 2022
Install guide walls	Mar 2022
Set up site for shaft support of excavation	Jul 2022

PERMITS

Permit	Date
DSUP Final Site Plan Approval	May 2022
Building Permit - Shaft Support of Excavation	May 2022
Building Permit - Permanent Seawall	May 2022
Building Permit - Shaft Liner and Base Slab	Jun 2022
Building Permit - Shaft Roof	Jun 2022

Hooffs Run

MAJOR WORK ACTIVITIES

Activity	Date
North of Jamieson Ave	
Support of excavation	Feb 2022
Diversion chamber construction	Mar 2022
Open cut construction	Jun 2022
African American Heritage Park	
Site preparation	Feb 2022
Junction chamber construction	Mar 2022
Open cut construction	Jun 2022

PERMITS

Permit	Date
Grading Plan	Feb 2022
DSUP Final Site Plan Approval	Apr 2022

AlexRenew

MAJOR WORK ACTIVITIES

Activity	Date
Shaft support of excavation	Ongoing through Mar 2022
Shaft excavation	Apr 2022
HGL control structure support of excavation	Apr 2022
Construct screening shaft base slab	May 2022
HGL control structure deep foundations	May 2022

PERMITS

Permit	Date
DSUP Final Site Plan Approval	Apr 2022
Building Permit - Shaft Liner and Base Slab	Apr 2022
Building Permit - Superstructure Architectural	Jul 2022

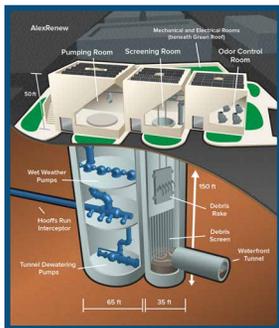
RiverRenew Tunnel Project Snapshot

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



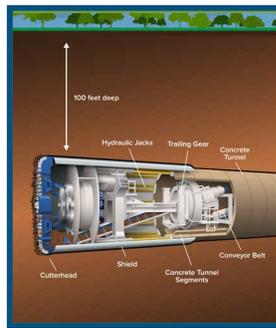
Hooffs Run Interceptor

Click [here](#) to learn more about upcoming activity at our Hooffs Run site.



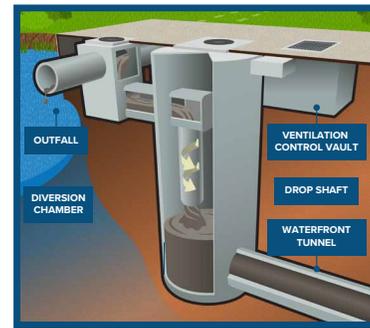
Pumping Station

Click [here](#) to take a 3D tour of RiverRenew's future pumping station.



Waterfront Tunnel

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

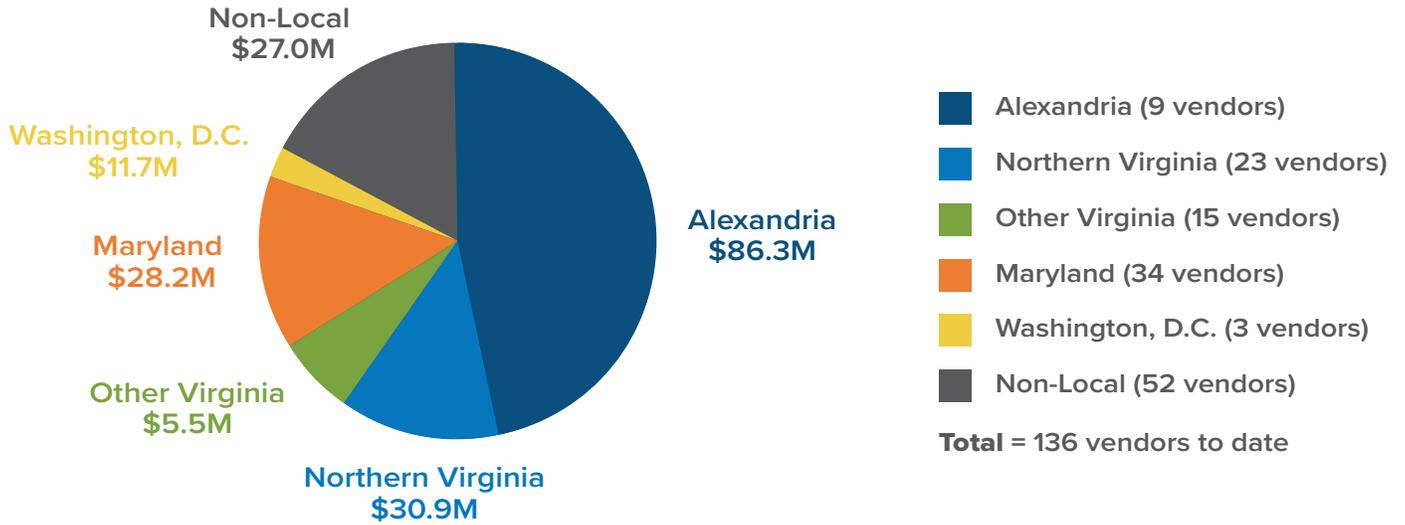


Diversion Facility

Click [here](#) for an introduction to diversion facilities from two RiverRenew engineers.

RiverRenew Program Costs to Date

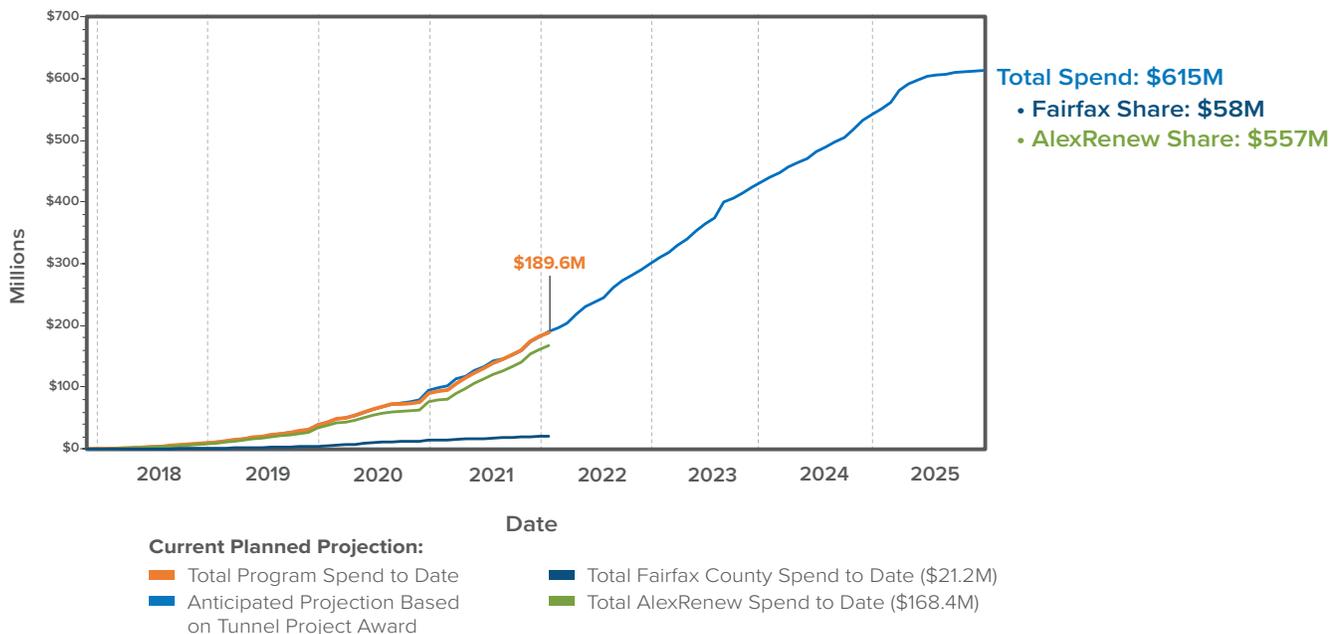
RiverRenew Spend to Date by Locality



RiverRenew Tunnel Project Contracts

Vendor	Role	Contract Type	Contract No.	Contract Date	Spent to Date (\$ millions)
Traylor-Shea Joint Venture	Design-Builder Tunnel System Project	Design-Build	19-079	Dec 2020	\$84.8
Brown and Caldwell	Owner's Advisor	Professional Services	17-022	Nov 2017	\$53.2
EPC	Resident Engineering & Inspection Tunnel System Project	Professional Services	20-013	Apr 2020	\$4.1
Completed RiverRenew Wastewater Projects to Pave the Way for the Tunnel Project					\$47.5

RiverRenew Cash Flow Analysis



Note: As of January 31, 2022.

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:

- Continued hosting **Sip 'n See** stations at Pendleton Street and Hooffs Run sites
- The National Association of Clean Water Agencies (NACWA) awarded AlexRenew a National Environmental Achievement Award for our educational outreach program related to RiverRenew (**see Monthly Spotlight**).



Community Meetings

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

Highlights:

- 2021-2022 RiverRenew SAG Meeting No. 6: January 20 ([Click here to view meeting recording.](#))
- RiverRenew Community Listening Session: January 26 ([Click here to view meeting recording.](#))

Looking Ahead:

- Community Listening Sessions: July 2022
- 2022-2023 RiverRenew SAG Meeting No. 7: **March 17**



Public Inquiries

The RiverRenew team is committed to keeping the community informed every step of the way, dedicating their time to addressing all **public inquiries** about the project.



Community Days

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

Looking Ahead:

- TBM Unveiling Ceremony: June 2022



Digital Programming

Digital programming keeps the community connected to RiverRenew with regular program updates on RiverRenew.com, content on AlexRenew's social media pages, and distribution of *The River Renewer*, a quarterly newsletter promoting updates and milestones to more than 500 contacts.

Highlights:

- An **infographic** detailing the purpose of seismographs installed near the Pendleton Street Site
- A **social post** and alert email highlighting traffic impacts near the Hooffs Run site
- A **video** showing slurry wall construction progress at AlexRenew



Council-Board Workgroup

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

Highlights:

- Council-Board Workgroup Meeting No. 13: January 19 ([Click here to view meeting recording.](#))



Community Events

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

Highlights:

- Sip 'n See events at Pendleton Street: Wednesdays from 10 a.m. to 1 p.m.
- Sip 'n See events at Hooffs Run: Tuesdays between 10 a.m. and 1 p.m.

Looking Ahead:

- Alexandria Earth Day Celebration: April 2022
- Sip 'n See events ongoing

CLOE
The Tunnel Boring Machine

WAYNE
The Crawler Crane

EDIE
The Excavator

BLAKE & BRIAN
The Backhoe Brothers

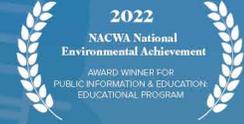
CECE
The Concrete Mixer

TODD
The Heavy Hauler

ELAINE
The All-Terrain Crane

SAM
The Street Sweeper

Monthly Spotlight



Scan to watch our movie trailer!

CLOE AND FRIENDS SAVE THE WATERWAYS

*In a world where millions of gallons of combined sewage pollute Alexandria's waterways every year...
One community must come together to support the construction of a massive tunnel project...
And one team must make sure every Alexandrian understands what it takes to protect our rivers and streams.*

"My kids love Cloe!"

-Stakeholder Advisory Group Member

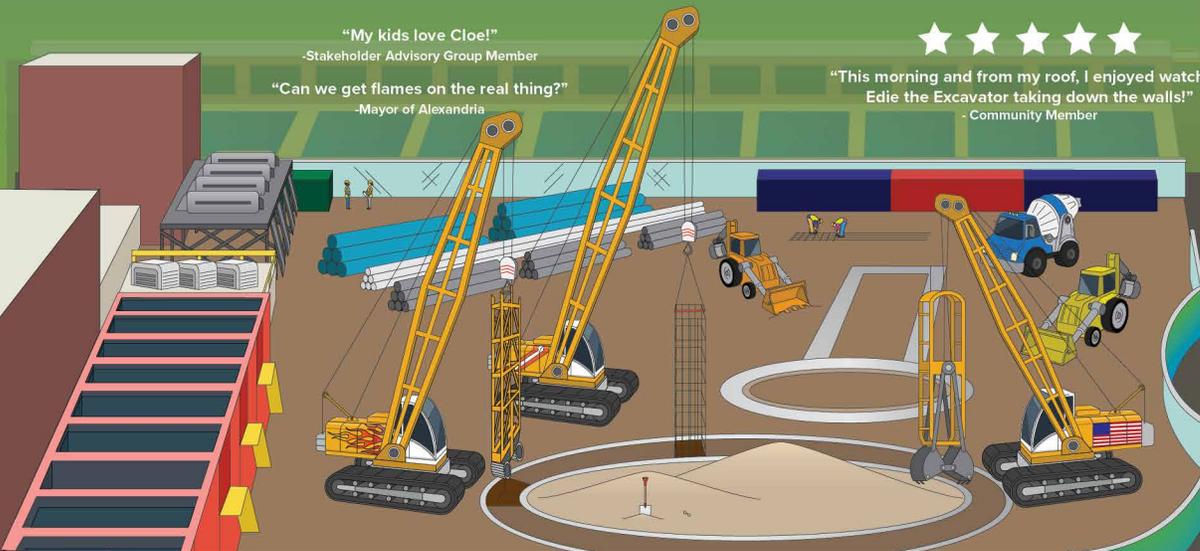
"Can we get flames on the real thing?"

-Mayor of Alexandria



"This morning and from my roof, I enjoyed watching Edie the Excavator taking down the walls!"

-Community Member



1800 Limerick Street | Alexandria, VA 22314

RiverRenew is a program owned and implemented by Alexandria Renew Enterprises.

To learn more, visit www.RiverRenew.com.

Monthly Financial Report



Month: January 2022

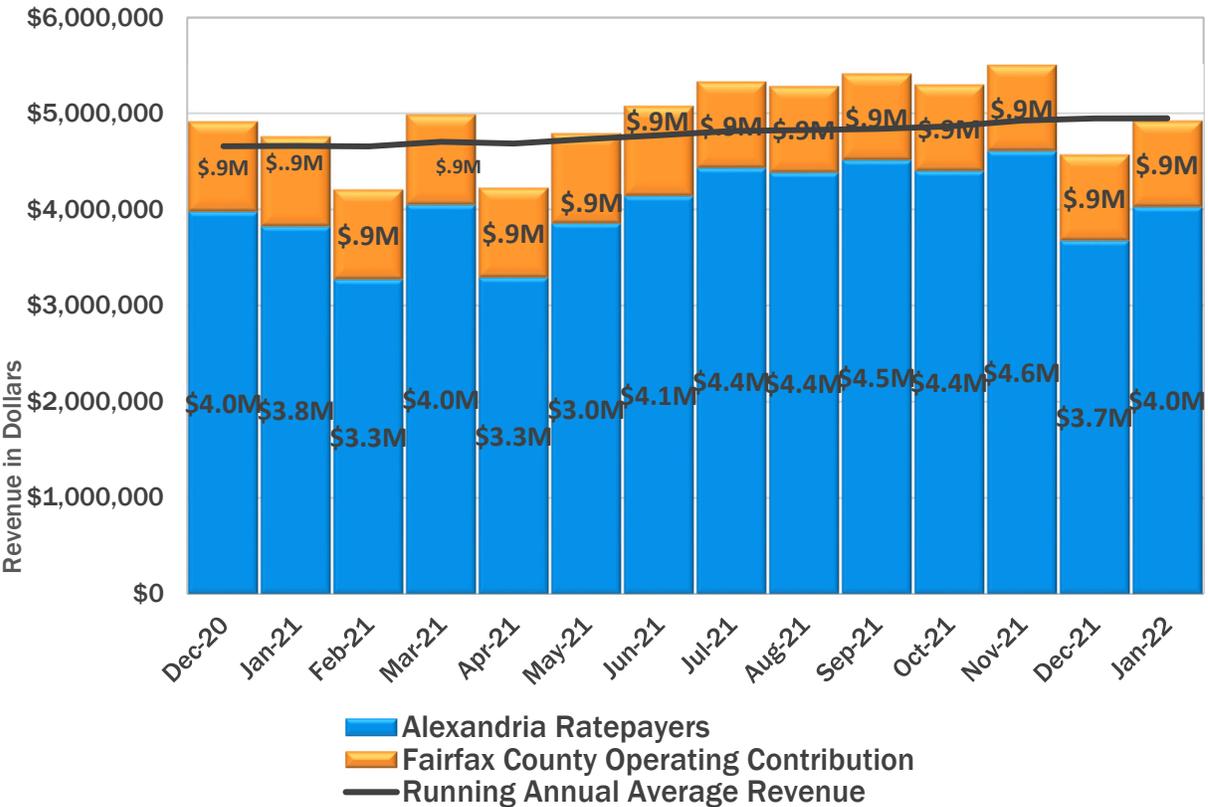
Overview

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.

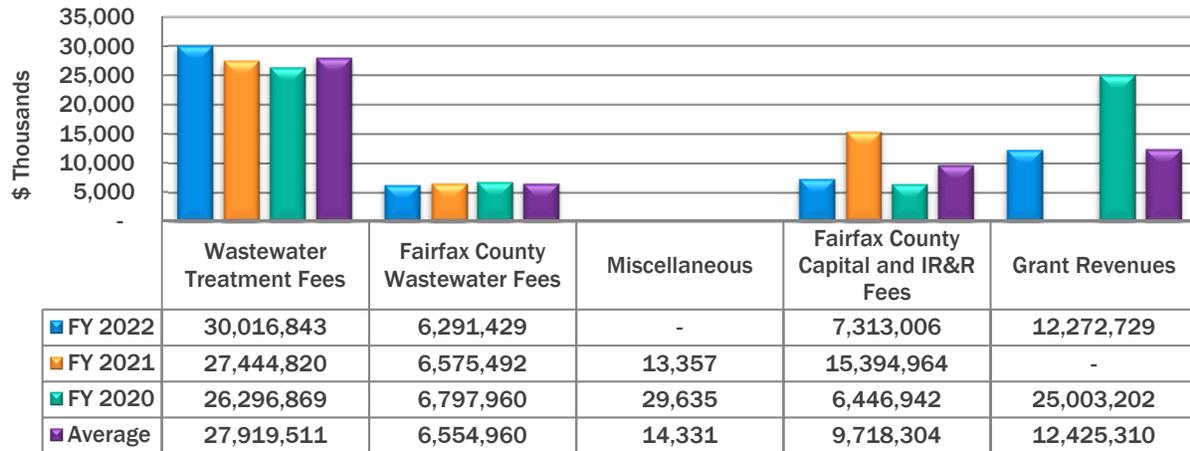
Revenues

- FY22 operating revenues total \$36.3 million through the end of January with approximately \$30.0 million in Wastewater Treatment Charge revenue and \$6.3 million collected from Fairfax County. Wastewater Treatment Charge revenue is approximately \$2.6 million (9.4%) more compared to the same time period in FY21, and \$2.1 million (7.62%) above the Fiscal 2022 YTD budget. Data indicates a slight increase month-over-month in customer revenue. Finance staff will continue to monitor the trend in coming months.
- 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.

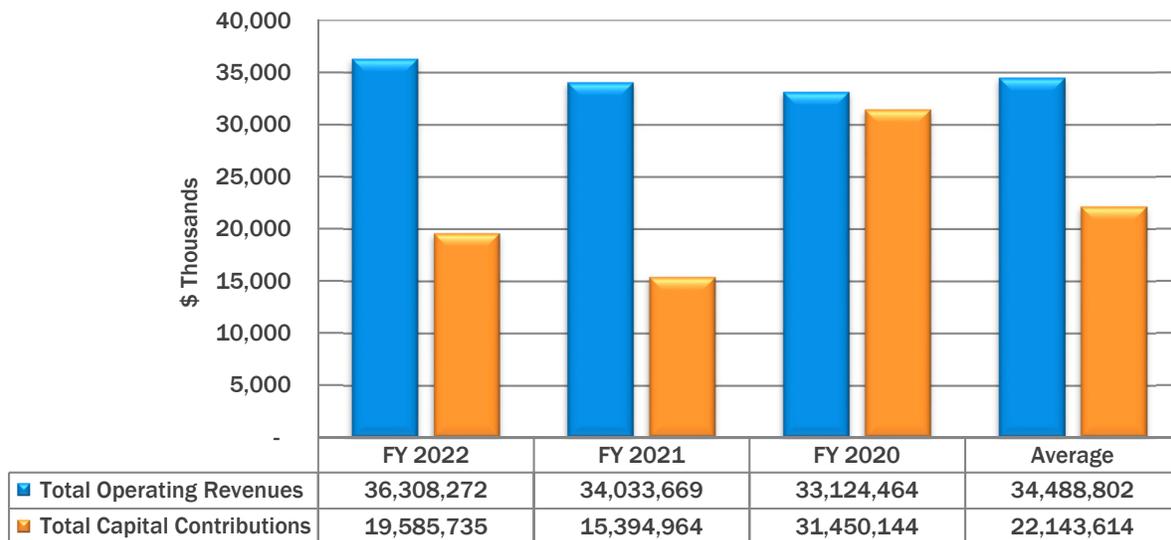
Monthly Wastewater Treatment Fee Revenue



Annual Revenue and Capital Contributions 3 Year Comparison



Operating Revenue vs. Capital Contributions



Expenses

FY22 operating and maintenance expenses are approximately 13% or \$2.23 million under the year-to-date budget, representing a spend rate of 50.5%. An overall decrease in utilities and personnel services accounts primarily for this variance.

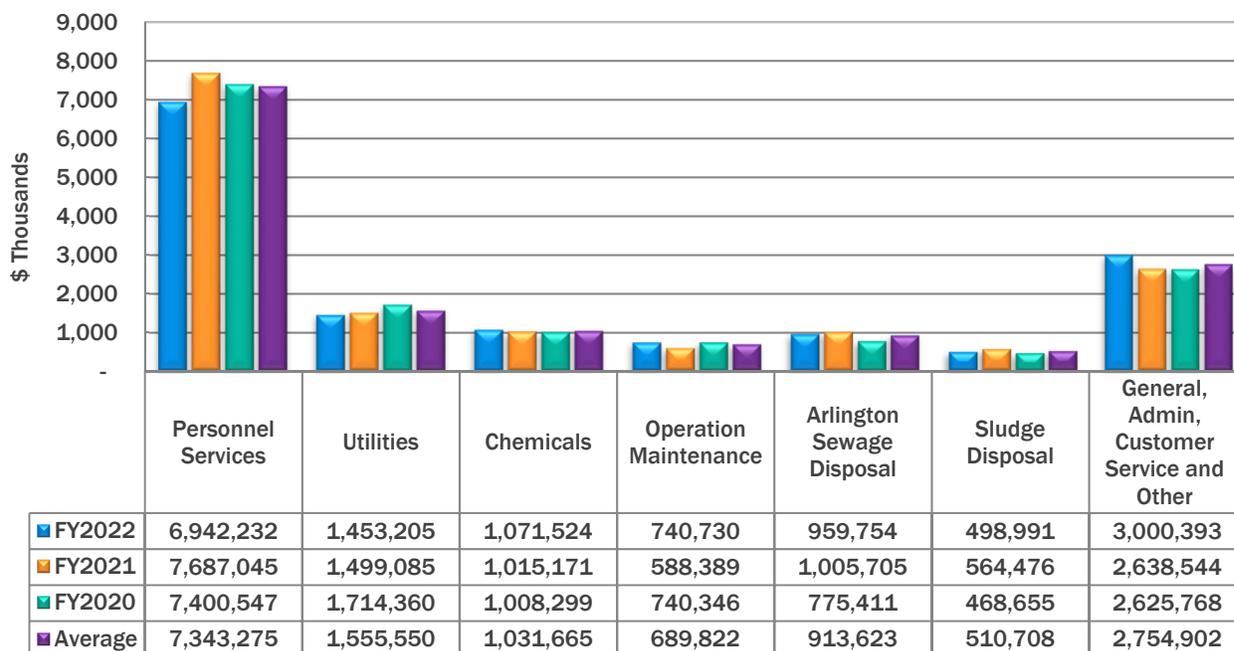
Capital outlay expenses are \$28.0 million year-to-date, representing a spend rate of 26.1%.

At seven (7) months into the fiscal year, the overall spend rate is 34.9% of the total budget.

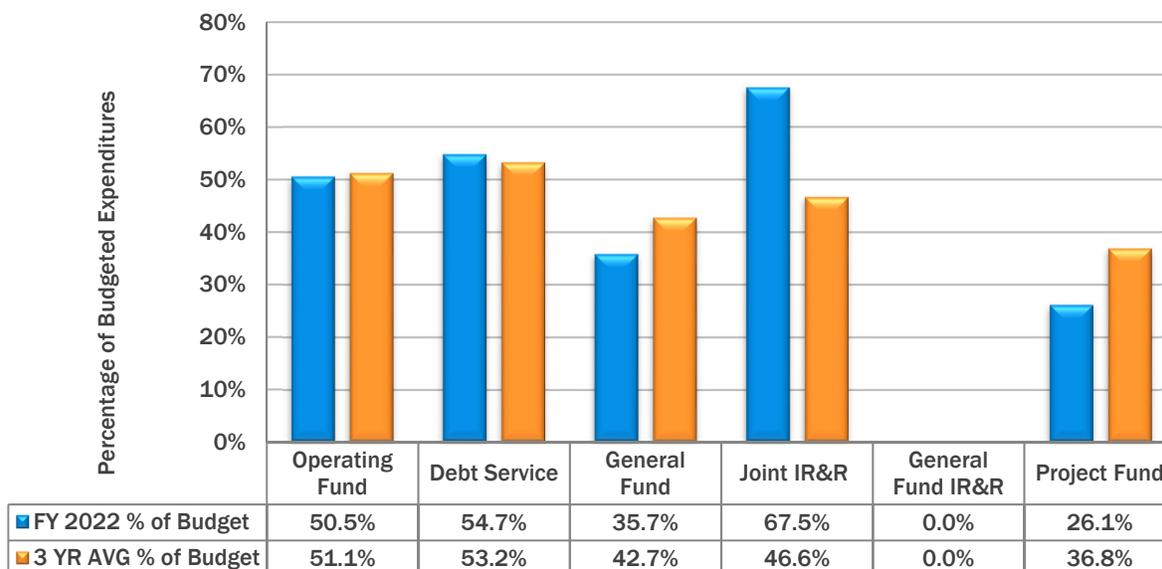
Expenses by Fund

ACTUAL VS. BUDGET Through January 2022					SPEND RATE		
(\$ Millions)	FY 2022	FYTD 2022	3 YR AVG	FYTD 2022	FY 2022	3 YR AVG	Variance FY22
Expenses (By Fund)	BUDGET	ACTUAL	ACTUAL	BUDGET	% of Budget	% of Budget	to 3 YR AVG
Operating Fund	\$ 28.39	\$ 14.33	\$ 14.53	\$ 16.56	50.5%	51.1%	-0.6%
Debt Service	13.92	7.62	7.49	8.12	54.7%	53.2%	1.6%
General Fund	72.40	25.85	10.87	42.23	35.7%	42.7%	-7.0%
Joint IR&R	5.70	3.85	2.43	3.33	67.5%	46.6%	20.9%
General Fund IR&R	0.12	-	-	0.07	0.0%	0.0%	0.0%
Project Fund	107.50	28.01	25.89	62.71	26.1%	36.8%	-10.8%
Total	\$ 228.03	\$ 79.66	\$ 61.21	\$ 133.02	34.9%	42.6%	-7.7%

Annual Operating Expenses 3 Year Comparison

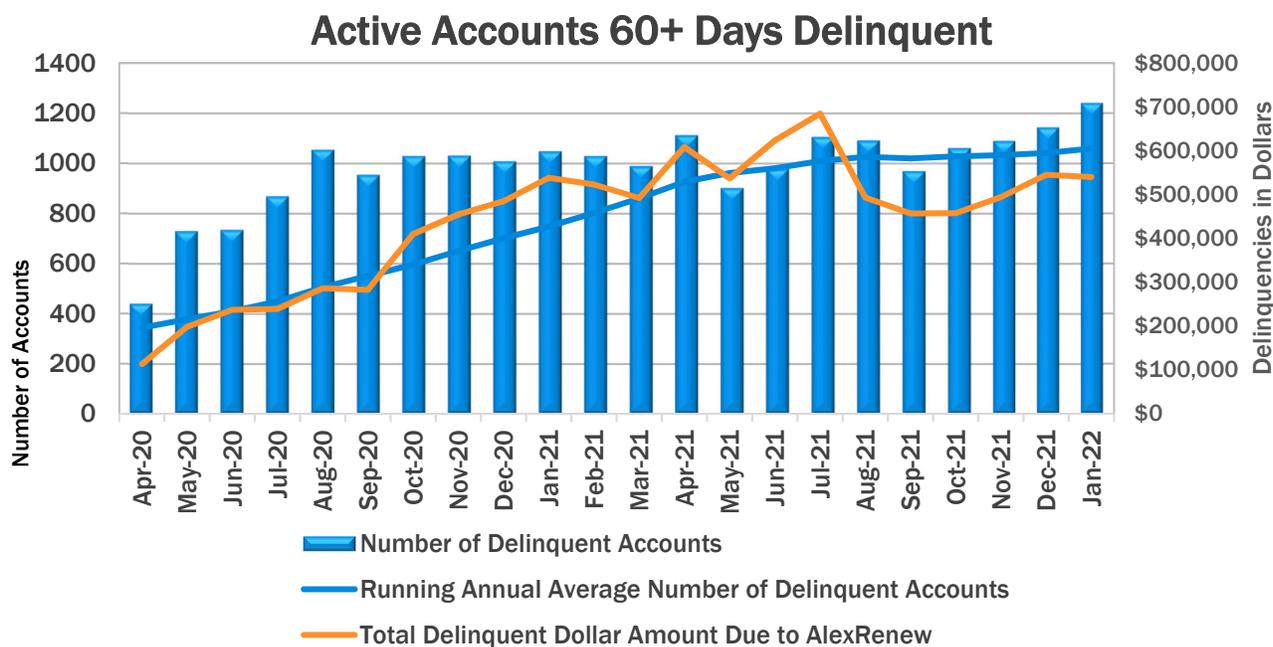


Expenditure Budget Comparison By Fund FY 22 vs. 3 Year Average



Delinquencies

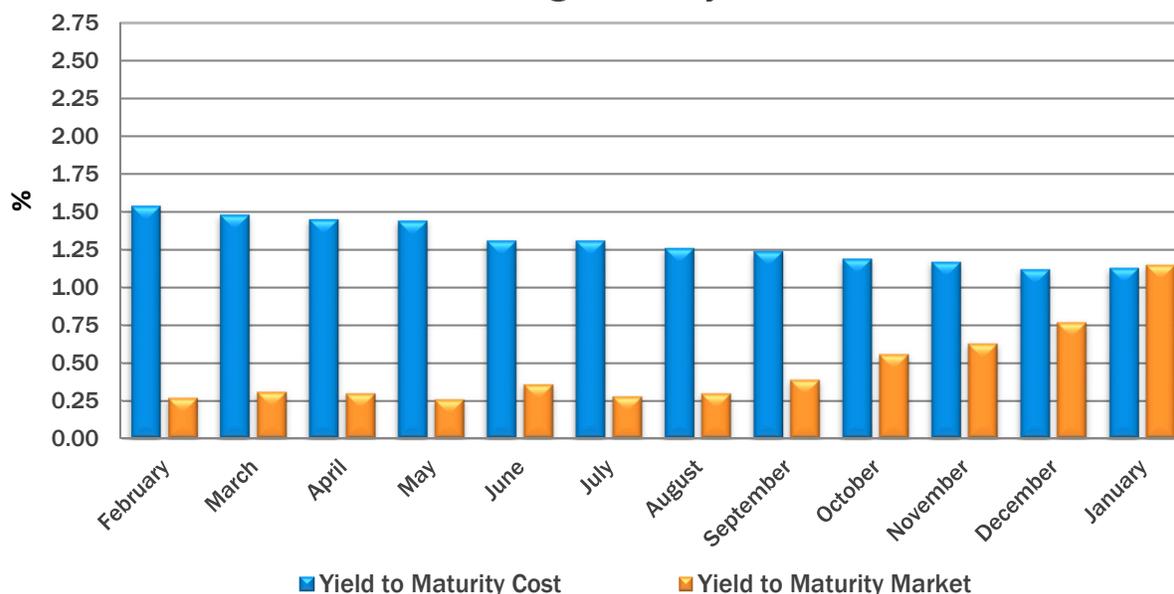
The number of accounts that are delinquent by more than 60 days was 1,241 in January and increased slightly month-over-month. The total dollar amount owed to AlexRenew from these accounts increased slightly to \$539,895 which was primarily driven by award relief funding provided customers in the month of January. AlexRenew continues to work with customers with unpaid bills to establish payment plans, evaluate eligibility for relief programs, and otherwise assist them in bringing their accounts current.



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 1.13%; a level higher than general bank deposit earnings rates.

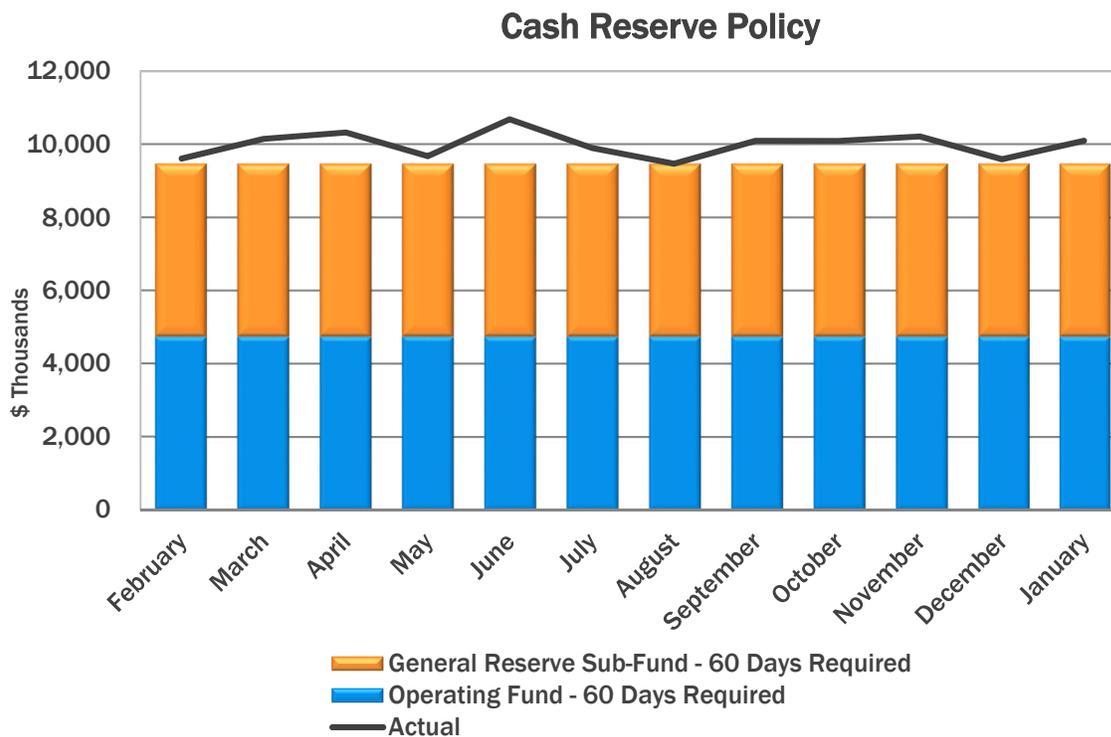
**Investment Yield Percentage to Maturity
(Investments managed by PFM)
Through January 2022**



Cash Reserves

AlexRenew's Indenture requires that it maintain a balance on deposit in the Operating Fund equal to not less than 60 days of budgeted operating expenses. AlexRenew's Financial Policy requires a balance on deposit in the 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 FY22 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 January, 2022		
Total Operating Cash	\$ 2,602,389	
Total Certificates of Deposit (Cash Equivalent)	\$ 2,864,392	
CARE ACT COVID19 Funding Balance	\$ (103,757)	
Total Operating Cash	\$ 5,363,024	
Total General Reserve Sub-Fund Cash	4,731,167	
Total Operating and General Reserve Sub-Fund Cash	10,094,191	107%



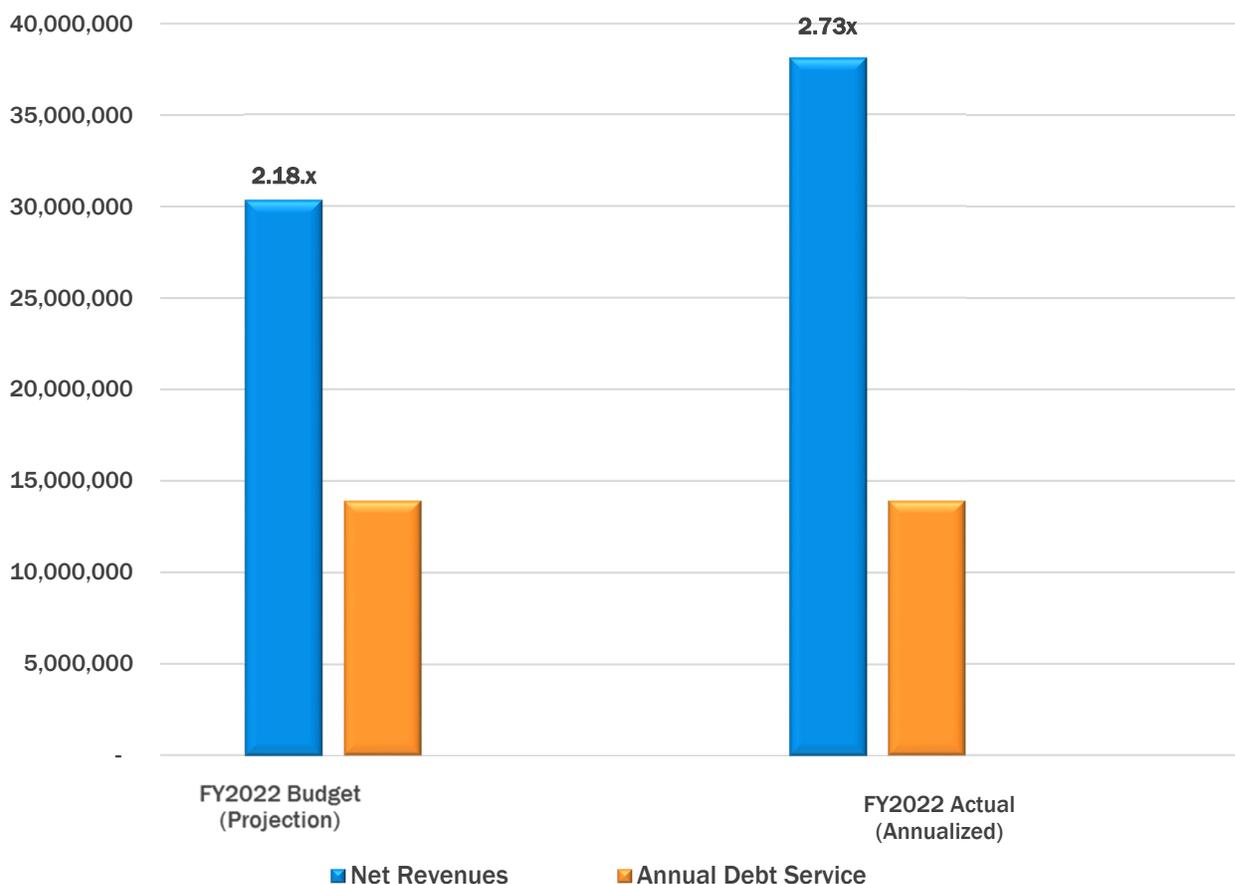
Debt Service Coverage

The 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 the parity debt service due in any fiscal year. Compliance with 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 below. The 2.18x designated in the graph below represents projected coverage for FY22 based on original FY22 budget expectations. At seven months into the fiscal year, annualized results would indicate coverage of at 2.73x, ahead of the budgeted projection of 2.18x.

Financial Policy Compliance - All-In Debt Service Coverage	FY 2022 Actual	FY 2022 Budget
Gross Revenues Available for Debt Service Coverage:		
Wastewater Treatment Charges - Alexandria Ratepayers	51,457,445	47,814,540
Fairfax County Operating Expense Charge	10,785,307	10,785,305
Reimbursement from other systems	-	-
Investment Income	399,287	115,000
Less Restricted Investment Income	-	-
Total	62,642,039	58,714,845
LESS Operating Expenses	(24,572,005)	(28,386,991)
Net Revenues [a]	38,070,034	30,327,854
Annual Debt Service [b]	13,919,620	13,919,620
Calculated All-In Debt Coverage [a/b]	2.73x	2.18x
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.

Parity Debt Service Fund

The Parity Debt Service 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 AlexRenew 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.