

AlexRenew is an independent public authority that manages Alexandria's wastewater to improve our local waterways.

703.721.3500 AlexRenew.com





1800 Limerick Street, Alexandria, Virginia 22314

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

McGuire Woods, LLP



MEMORANDUM

TO: AlexRenew Board of Directors

FROM: Secretary-Treasurer

DATE: May 10, 2022

Regular Board of Directors Meeting SUBJECT:

The Regular Meeting of the Board of Directors will be held on Tuesday, May 17, at 6:00 p.m. at Alexandria Renew Enterprises.

There are no new business items for Board action this month.



Agenda

Alexandria Renew Enterprises Board of Directors Meeting Tuesday, May 17, 2022 @ 6:00 p.m. 1800 Limerick Street, Ed Semonian Boardroom & Via livestream:

No. Item Presenter Action Required

The Tuesday, May 17, 2022, Board of Directors meeting is being held at Alexandria Renew Enterprises (1800 Limerick Street, Ed Semonian Boardroom, Alexandria, VA 22314). Members of the Board and staff are participating in person. The public can access the meeting in the Ed Semonian Boardroom or through the live broadcast on YouTube: https://www.youtube.com/playlist?list=PLZxvuf_sglmpuAlIUAX3t0oa_ng24Nnt1

Public comments will be taken in person at Alexandria Renew Enterprises. Submission of written statements is encouraged. Written statements may be emailed to the Board Secretary at lorna.huff@alexrenew.com.

1	Call To Order (6:00 p.m.)	Chairman	
2.	Approval of Agenda (6:02 p.m.)	Chairman Approval	
3.	Closed Session to discuss a personnel matter (6:30 p.m.)	Chairman	
4.	Public Comment Period (6:40 p.m.)	Chairman	
5.	Consent Agenda (6:42 p.m.) A. Minutes (Meeting April 19, 2022) (Tab 1) B. Minutes (Public Hearing May 7, 2022)	Chairman	Approval
6.	Unfinished Business (7:00 p.m.) A. Finance & Audit Committee Update B. Review and Discussion of FY23 Proposed Operating & Capital Budget Presentation (Tab 2)	Chairman Mr. Donley Ms. Pallansch	Approval
7.	New Business (7:05 p.m.) A. None	Chairman Ms. Pallansch	Approval
8.	AlexRenew Monthly Outcomes Update (7:15 p.m.) (Tab 3)	Ms. Pallansch	Information
9.	Closed Session to discuss a personnel matter (7:45 p.m.)	Chairman	
10.	Adjourn (7:50 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 Regular Board of Directors meeting is scheduled for Tuesday, June 21, 2022 @ 6:00 p.m.

Members of the public may park in the parking lot across the street from Alexandria Renew at the corner of Limerick and Bartholomew Streets

Minutes of the 893rd Meeting "Celebrating Over 60 Years of Continuous Environmental Excellence"

Alexandria Renew Enterprises 6:00 p.m., Tuesday, April 19, 2022

On Tuesday, April 19, 2022, the Alexandria Renew Enterprises Board of Directors held its regular Board of Directors meeting in the Edward Semonian Board Room at 1800 Limerick Street, with the following present:

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. Christine McIntyre, Chief Financial Officer Ms. Allison Deines, Director of Strategy & Policy Ms. Caitlin Feehan, RiverRenew Project 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

Mr. William Barrack, Deputy Director

Wastewater Planning & Monitoring Division

City Representative: Mr. Mike Lee,

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 6:02 p.m.

Approval of Agenda

The Chairman requested that members review the agenda, noting an amendment adding a closed session. There being no changes, the Chairman requested a motion to approve the revised agenda. Mr. Donley moved, and Mr. Dickinson seconded. The Board unanimously approved.

Public Comment Period

There being no members of the public in attendance wishing to speak, the Chairman closed the public comment period.

Consent Agenda

The Chairman requested members review the Consent Agenda which contained the Minutes of the March 15, 2022, meeting and the review and approval of the Board policies from the January 27, 2022, Governance Committee review. Mr. Donley moved approval, and Mr. Beall seconded. The Board unanimously approved the Consent Agenda.

Unfinished Business

A. Board Governance Committee Policy Update

Discussion

Mr. Beall reported all Board members attended the prior evening's Governance Committee meeting with Polihire, AlexRenew's executive search firm. He also noted that members reviewed policies and will finalize.

There were no additional questions or comments, and the Chairman moved to new business.

New Business

A. Presentation of FY23 Operating and Capital Budget

Discussion

The Chairman recognized Ms. Pallansch who gave a presentation on AlexRenew's FY23 Operating and Capital Budget reviewing the City of Alexandria's One Water System and the roles of Virginia American Water (VAW), AlexRenew and The City of Alexandria.

AlexRenew cleans thirteen billion gallons of wastewater at the facility each year and serves over 300,000 customers in Alexandria and Fairfax County. It is an independent political subdivision governed by a 5-member citizen board.

FY2022 budget highlights included a 6.9% rate adjustment and distribution of CARE's Act funds of \$565,000 to 1,200 customers for Covid-19 bill relief. The FY2023 budget is \$221 million. It includes a Fairfax County capital contribution of \$30.6 million with contributions to IRR and operating expenses of \$3.4million and 11.6 million, respectively. Wastewater treatment revenue is expected to be \$50.9 million. Staff expects a capital outlay of approximately \$164.8 million.

Ms. Pallansch reported that it was necessary for members to adopt a resolution to provide public notice of the FY2023 Proposed Operating & Capital Budget and set a public hearing to receive comments. Members discussed the budget and next steps. She reported that the upcoming Finance & Audit Committee meeting will need to be rescheduled.

There being no additional discussion, the Chairman requested a motion to adopt the FY2023 Proposed Operating & Capital Budget for public notice and set the public hearing for Saturday, May 7, at 9:30 a.m..

Mr. Beall moved, and Mr. Dickinson seconded. The Board unanimously approved.

B. Review of Recommendation to Update Calculation of the Winter Ouarter Averaging (WOA).

Discussion

Ms. Pallansch reported that based on a customer inquiry, staff has been considering changes to AlexRenew's winter quarter averaging period. Currently, staff uses the customer's average water usage during December, January, and February to set a cap on usage for the remaining months of the year. The current methodology requires that a customer's WQA cannot be less than 4,000 gallons per month.

Staff has requested that the Board lower the current 4,000 gallons to 1,000 gallons as part of the rate planning process beginning January 2023. This would allow for implementation in the FY2024 rate adjustment cycle. Lowering the minimum would negatively impact revenue by approximately \$500,000, requiring an immediate across the board 1% increase in rates if implemented.

Members discussed the pros and cons of the recommendation and agreed to revisit this issue in the fall.

CEO Monthly Outcome Reports

Ms. Pallansch noted her written report and inquired if members had questions or comments on the CEO Report. There were no comments on the report and Ms. Pallansch reviewed the RiverRenew Dashboard and Financial Report.

Mr. Dickinson inquired on customer delinquencies. Ms. Pallansch reported that no visible trends and staff was working to get delinquent customers onto payment plans.

There were no additional guestions or comments and the Chairman moved to Closed Session.

Closed Session

At 7:01 p.m., the Chairman moved to enter a closed session for discussion, consideration, or interviews of prospective candidates for employment, assignment, appointment, promotion, performance, demotion, salaries, disciplining or resignation of specific officers, appointees, or employees. Mr. Donley moved, and Mr. Beall seconded. The board unanimously approved.

At 7:38 p.m., the meeting returned to open session, and the following certification was unanimously adopted by the members: "Pursuant to 2.2-3712(D) of the Virginia Freedom of Information Act, it is hereby certified that to the best of each Member's knowledge, (1) only public business matters lawfully exempted from the open meeting requirements of the Act, and (2) only public business matters identified in the motion by which this closed meeting was convened were heard, discussed, or considered by Alexandria Renew Enterprises."

Mr. Donley moved, and Mr. Hill seconded. All Members present voted via roll call:

Mr. Hill	Aye
Mr. Beall	Aye
Mr. Dickinson	Aye
Mr. Caldarelli	Aye
Ms. Donley	Aye

the meeting adjourned.		
APPROVED:		
	Secretary-Treasurer	

The Chairman requested a motion to approve the There were no additional questions or comments and

Board of Directors Page **4** of **4** 4/19/2022

Minutes of the Public Hearing on FY23 Operating and Capital Budget Saturday, May 7, 2022 Alexandria Renew Enterprises Board of Directors

On Saturday, May 7, 2022, the Alexandria Renew Enterprises Board of Directors held a public hearing to receive comments on the proposed FY23 Operating & Capital Budget in the Edward Semonian Board Room at 1800 Limerick Street. The hearing was livestreamed on the Alexandria Renew YouTube channel and a recording will be posted on the Alexandria Renew Enterprises website.

The following were in attendance:

Members: Mr. John Hill, Chair

Mr. James Beall, Vice Chair

Mr. William Dickinson, Secretary-Treasurer

Ms. Adriana Caldarelli, Member Mr. Kerry Donley, Member

Staff: Ms. Karen Pallansch, Chief Executive Officer

Ms. Christine McIntyre, Chief Financial Officer Ms. Allison Deines, Director of Strategy & Policy Ms. Caitlin Feehan, RiverRenew Program Director

Ms. Lorna Huff, Secretary to the Board

Counsel: Mr. Jonathan Rak, McGuireWoods LLP

Consultant: Mr. Justin Carl, Owner's Advisor

Brown & Caldwell

Call to Order

The Chairman called the meeting to order at 9:31 a.m.

Staff Presentation

The Chairman recognized Ms. Pallansch who reported that Ms. McIntyre would be providing the presentation for today's public hearing. Ms. Pallansch reported that due to the pressures of inflation, supply chain issues, and labor shortages, maintaining 0% growth in the operations budget is no longer sustainable.

Ms. McIntyre reviewed Alexandria's One Water System and the roles played by Alexandria Renew, Virginia American Water (VAW) and the City of Alexandria. She reviewed the AlexRenew 2040 vision to partner with all watershed stakeholders, so the community benefits from the use of a well-managed water system.

AlexRenew revenue sources come primarily from rates and Fairfax contributions to both the capital and operating budgets. Rates are structured to fully recover the cost of providing service. AlexRenew has various covenants and agreements to be compliant with, including The Master Trust Indenture which governs issuance of debt and determines how incoming revenue is distributed through its flow of funds.

The board has adopted a set of financial policies regarding debt service coverage, cash reserves and pay as you go funding for capital projects. Discretionary spending is limited due to the highly capitalized nature of the business. Staff recently completed a compensation study and incorporated those recommendations into the FY2023 Budget.

A board approved 6.5% rate increase begins on July 1, 2022. Staff is working to minimize rate shock by applying for grants. Eighty percent of AlexRenew's budget is capital investment and staff takes a long-term approach as reflected in the 10-year Capital Improvement Plan (CIP). The budget is organized based on five

Alexandria Renew Enterprises – Public Hearing 5/7/2022 Page 2

strategic outcomes of Operational excellence, Public Trust, Watershed Stewardship, Adaptive Culture, and Financial Resilience.

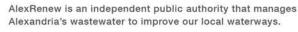
The FY2023 proposed Operating & Capital budget is \$221,419,313 with the Fairfax capital contribution at \$30,6 million. Fairfax Improvement Renewal and Replacement (IRR) at \$3.4 million and operating expense contribution at \$11.6 million. Loan proceeds are expected at \$118 million. Staff expects \$50 million in rate revenue. Operating expenses are \$30 million which is a 7% increase over last year.

Ms. McIntyre completed her comments and inquired if members had questions or comments.

Mr. Donley commended Ms. McIntyre on a good presentation highlighting the organization's, goals and objectives that explains how AlexRenew dollars are allocated while maintaining compliance with all financial policies and regulatory requirements. Members concurred.

There being no additional questions or comments, the Chairman requested a motion to adjourn. Ms. Caldarelli moved, and Mr. Dickinson seconded, the Board unanimously approved. The meeting adjourned at 10:06 a.m.

APPROVED		
·		
Secretary-Treasurer		





703.721.3500 AlexRenew.com

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CHIEF EXECUTIVE **OFFICER**

Karen L. Pallansch P.E., BCEE

GENERAL COUNSEL

McGuire Woods, LLP



MEMORANDUM

TO: Alexandria Renew Enterprises Board of Directors

FROM: Karen Pallansch, CEO

May 11, 2022 DATE:

SUBJECT: Review and Approve Draft Fiscal Year 2023 Operating and Capital

Budget

Information

Each year, the Board undertakes a defined process to review and capture community input as part of its Budget approval.

Recommendation

Staff respectfully requests the Board of Directors approve the AlexRenew Fiscal Year 2023 Operating and Capital Budget as presented to the Board and subsequently for public comment on Saturday, May 7, 2022, at 9:30 a.m. at AlexRenew and at which no public comments were received.

Discussion

The draft Fiscal Year 2023 Operating and Capital Budget (found on our website HERE) was presented to the Board at its April board meeting. The Board's Finance and Audit Committee met on May 4th to thoroughly review the proposed operating and capital expenditures as proposed by staff. A public hearing was noticed on April 21, 2022, and April 28, 2022, with a hearing held at AlexRenew on May 7, 2022. No public comments were received. The public presentation is attached for information (Attachment 1).

The budget continues AlexRenew's tradition of prudent fiscal management. It provides funding for initiatives that build on AlexRenew's healthier waterways successes. It balances complex economic conditions with AlexRenew's need to meet its day-to-day water mission while investing in healthier waterways capital programs like RiverRenew. The budget includes an Operating Budget Estimate of \$30.4 million and a Capital Budget of \$175.8 million. A rate increase of 6.5% for FY 2023 was approved previously by the AlexRenew Board as part of the two-year rate adoption process and is incorporated into this budget.

Congruence with AlexRenew Strategic Plan

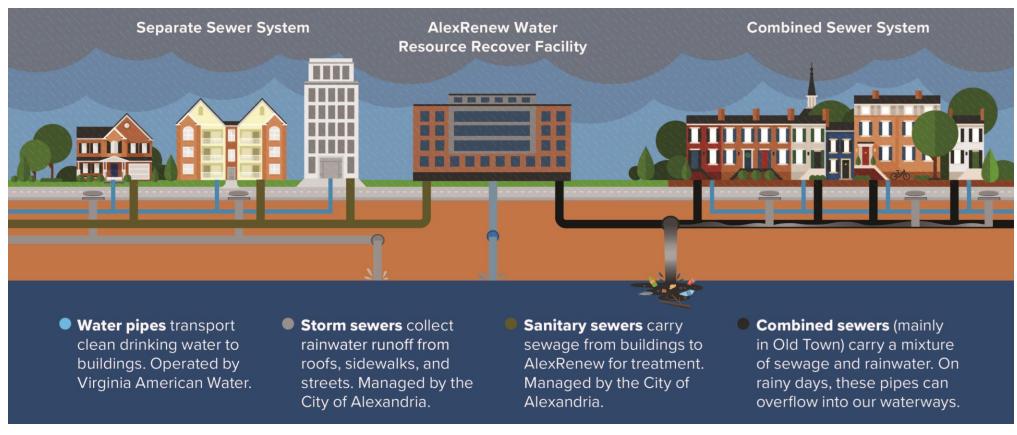
This action enables our strategy of Effective Financial Stewardship.

ACTION TAKEN

Approved:	
Disapproved:	
Approved with Modification:	
Modification(s):	



How Water Works in Alexandria. Alexandria's three water entities.













AlexRenew's 2040 Vision is to effectively partner with watershed stakeholders to:



Enable local citizens the opportunity to embrace the best use of water resources and establish a personal connection with local waterways.



Create a healthy environment and improve our quality of life through the exceptional reclamation of used water resources.



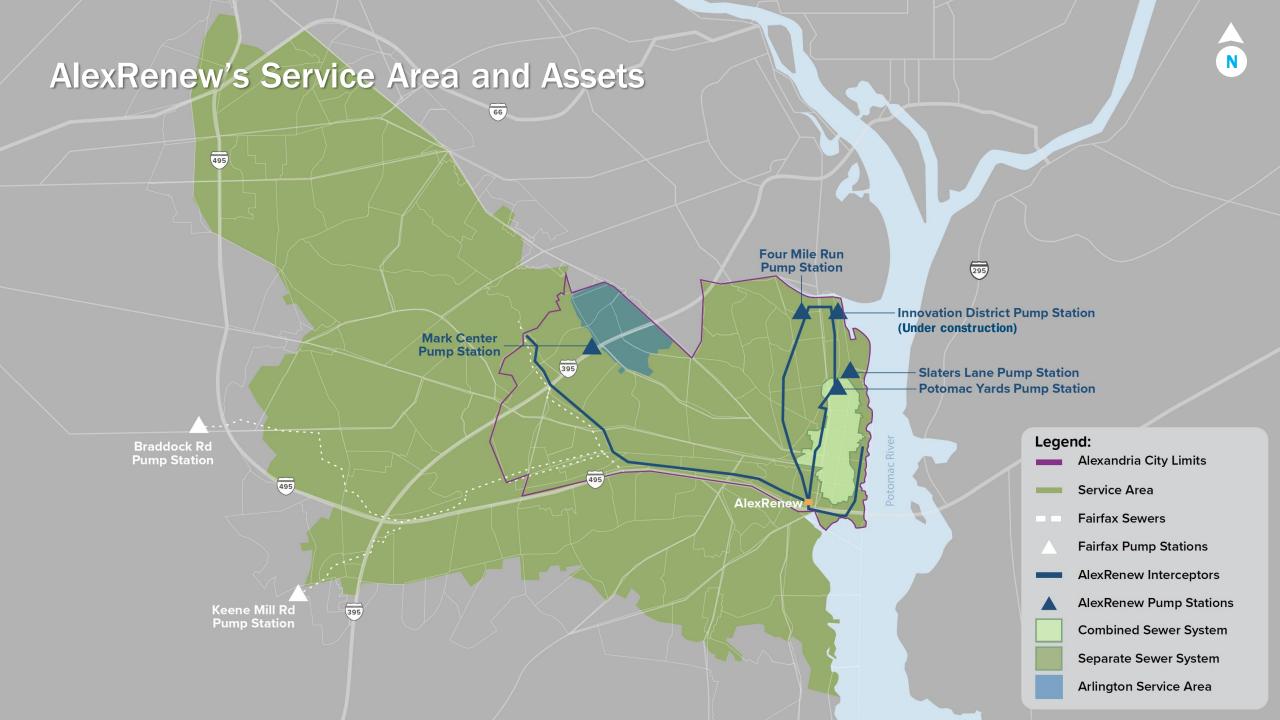
Sustainably manage water as a single resource through the entire water cycle.



Maximize use of multiple financial options to continue our **fiscal stability.**







Partnerships with Fairfax County, City of Alexandria, and Arlington County. AlexRenew service agreements and budgetary impacts.

- City of Alexandria customers pay AlexRenew via wastewater rates
- Fairfax County pays AlexRenew for wholesale wastewater treatment services
- AlexRenew pays Arlington County to provide wastewater service for a small portion of the City where wastewater flows to Arlington's plant

Counterparty	Original Date	Last Amendment	Capacity Rights
Fairfax County	1973	1998	32.4 MGD
City of Alexandria	1954	2018	21.6 MGD
Arlington County	1977	1994	3.0 MGD

- Operating expenses are shared between AlexRenew and Fairfax County proportionate to actual flows to the plant
- Capital costs are shared based on service agreements and project-specific MOUs

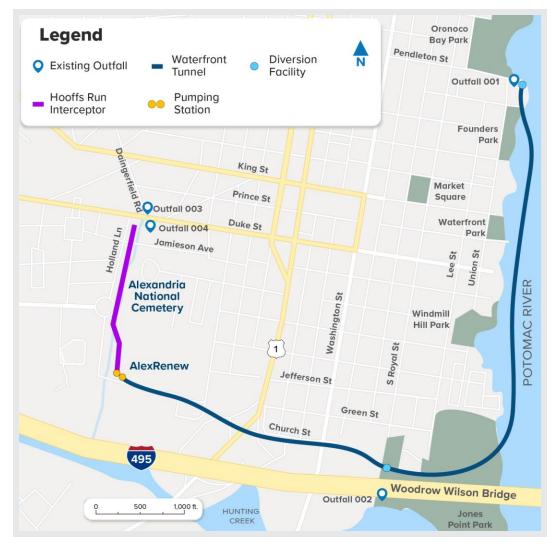


AlexRenew's mission expanded in 2018. Taking ownership of the largest infrastructure project in Alexandria's history.











Fiscal Year 2023 Budget Review

Maintaining a strong, stable, and sustainable financial position. AlexRenew's Guiding Fiscal Principles.

Operate a
Fiscally Stable
and Sustainable
Utility

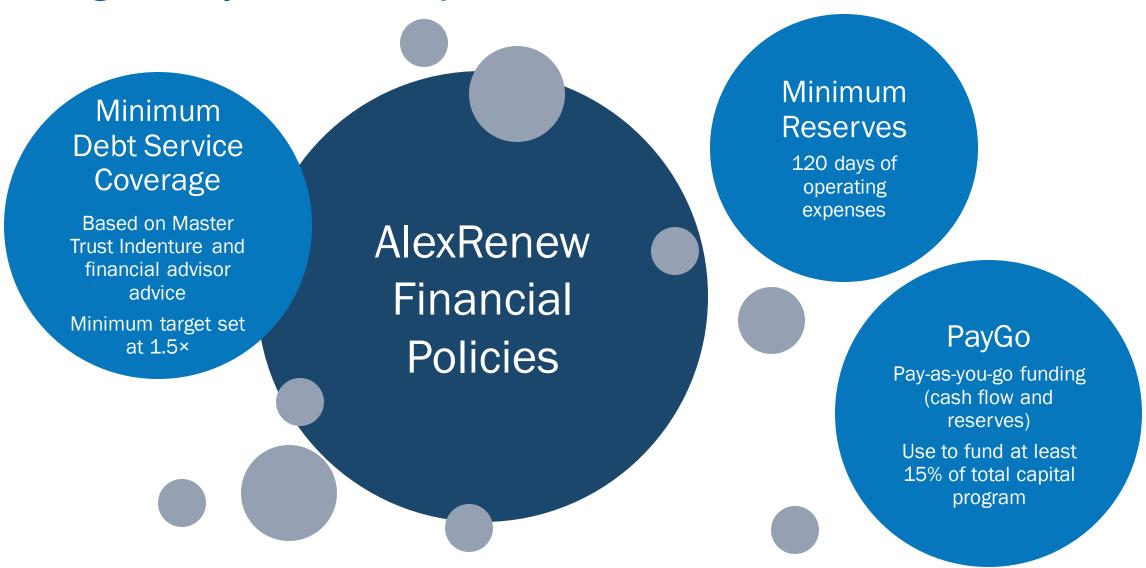
Fully Recover Costs Via Rates

Maintain
Compliance with
Master Indenture
of Trust and Loan
Documents

Maintain
Compliance with
Adopted
Financial Policies



Ensuring we stay in fiscal shape. AlexRenew's Financial Policies.

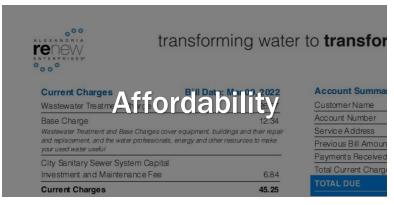




Supporting our vision, mission, and values. FY 2023 AlexRenew budget priorities.















Planning for our healthier waterway's future. FY 2023 AlexRenew Budget highlights.



Operational Excellence

Managing inflation impacts (chemicals)

Managing supply chain impacts (parts and equipment)

Enhancing safety and security

Investing in digital initiatives



Public Trust

Preparing transition of billing and customer service contract

Continuing outreach and partnerships in support of AlexRenew's mission and the RiverRenew program



Watershed Stewardship

Studying emerging contaminants

Continuing GMU stream studies

Wastewater surveillance partnership with VDH

Support MWCOG and Potomac Watershed Roundtable

Partner with local One Water members



Adaptive Culture

Implement compensation study recommendations

Investment in career development program

Support evolving workforce needs



Financial Resilience

Draw on 1.35% \$185 million Virginia Clean Water Revolving Loan Fund

Implement adopted 6.5% rate increase on July 1, 2022



Building toward healthier waterways. Major FY 2023 AlexRenew capital projects.



RiverRenew construction

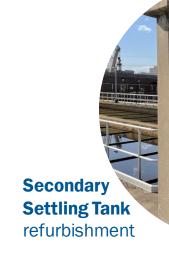


Potomac Yards Pumping Station ventilation and odor control upgrade



Primary Settling
Tank rehabilitation



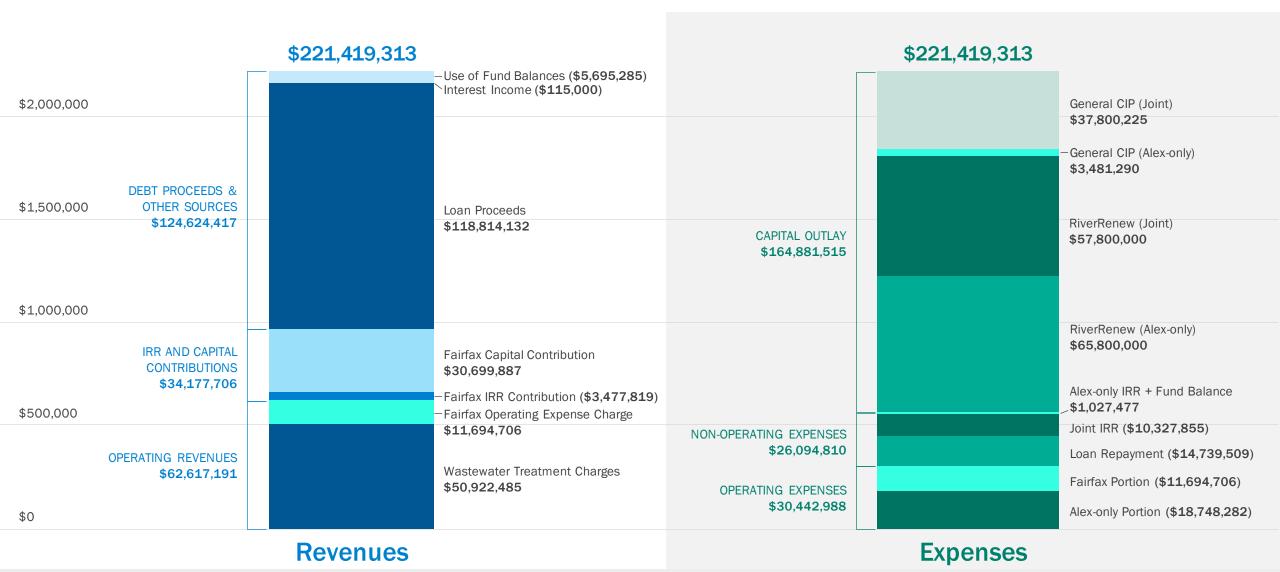








The numbers. FY 2023 AlexRenew Budget summary.



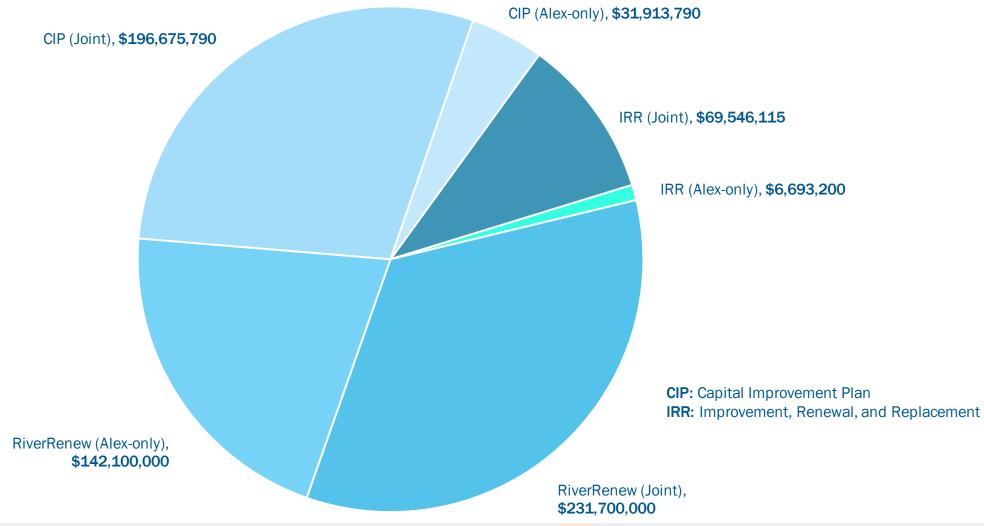


CIP: Capital Improvement Plan

IRR: Improvement, Renewal, and Replacement

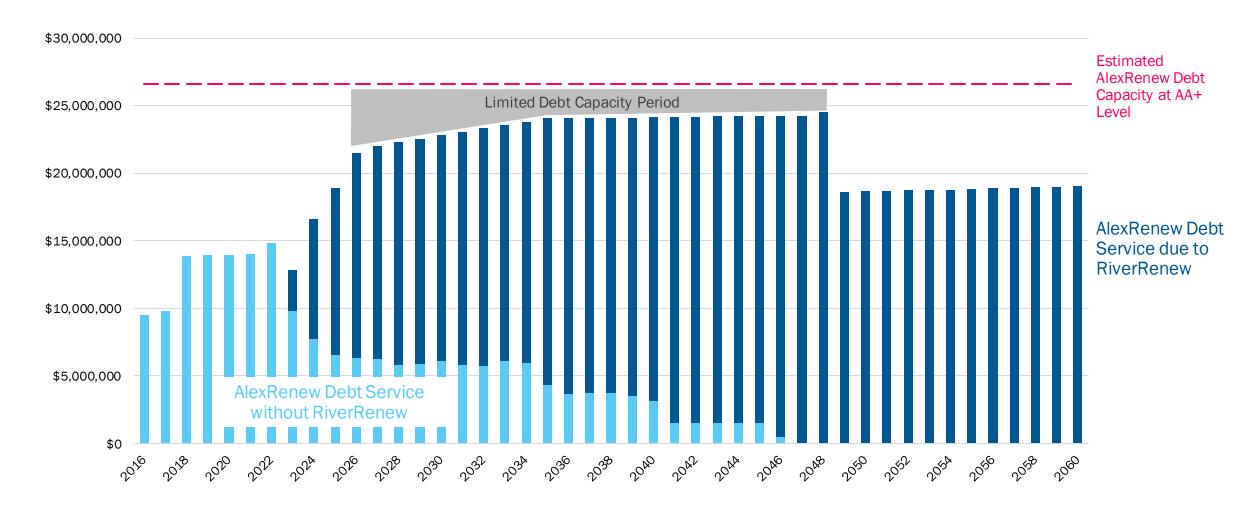
10-year Capital Planning

AlexRenew's projected 10-year capital expenditures estimated at \$678 million.





AlexRenew will incur significant debt service to implement RiverRenew. Projected debt service repayment schedule.





Fiscal Year 2022-23 Approved Rate Adjustment Review

AlexRenew adopted a two-year rate adjustment in FY 2022. Implementing 6.5% rate increase on July 1st.

Adopted Two-
Year Rate
Adjustment

Fiscal Year	Beginning on:	Maximum Rate Adjustment
2022	July 1, 2021	6.9%
2023	July 1, 2022	6.5%





Maximizes efficiency of staff and consultant time



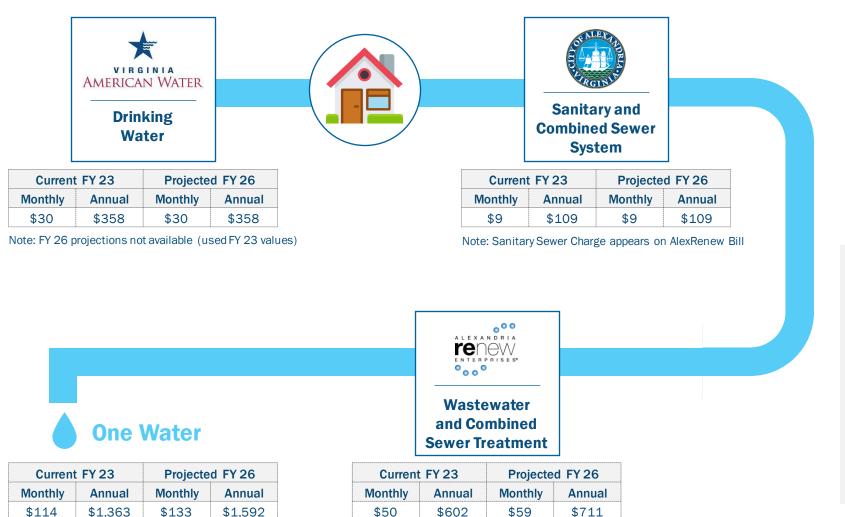
Allows for adjustment of rates as conditions evolve

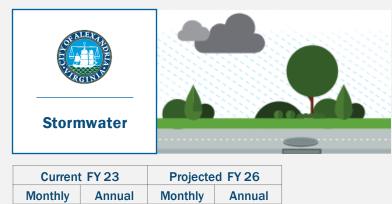


Provides certainty for CIP funding



Taking a holistic look at water in Alexandria. Estimated One Water costs in Fiscal Years 2023 and 2026.





\$35

\$415

Note: Stormwater Fee appears on Real Estate Bill

\$294

\$25



FY 2023 AlexRenew budget adoption by June 21, 2022. Learn more at:



alexrenew.com/news/know-your-rates



(703) 721-3500



communications@alexrenew.com





To learn more, visit www.alexrenew.com

CEO Board Report April 2022

Dear Members of the Board of Alexandria Renew Enterprises,

During the Alexandria Renew Enterprises (AlexRenew) Board of Directors meeting on April 19, 2022, the Board approved public notice of the FY23 Proposed Operating and Capital Budget for public comment. The Board held a public hearing on May 7, 2022, to receive public comment. No public comments were received.

On April 18, the AlexRenew Board held a meeting of the Governance Committee.

In April, AlexRenew had 1 reported case of COVID-19. AlexRenew continues to adapt its policies to ensure that it follows the CDC guidance and complies with Virginia Department of Labor and Industry standards.

Throughout the month of April, AlexRenew celebrated Earth Day as part of the City of Alexandria's month-long activities. On April 9, AlexRenew team members hosted a clean-up event at Oronoco Bay Park as part of the annual Potomac River Watershed Clean-up. On April 24, Board Vice Chair Jim Beall presented the 2022 Ellen Pickering Environmental Excellence Award to Alexandria citizen Jack Sullivan.

Operational Excellence

Precipitation for April at Reagan National Airport was 3.82 inches of rain, which is above the Washington, D.C historical average precipitation of 3.06 inches for the month.

Biosolids production for April was 1,754 wet tons, all of which was beneficially used through land application in the Virginia counties of Fauquier, Westmoreland, Gloucester, Caroline, Culpeper, and Spotsylvania.

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

_	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
Treatment		(Monthly	(Monthly	(Monthly	(Minimum)	(Annual	(YTD)	(Monthly	(YTD)
		Average)	Average)	Average)		Average)		Average)	
	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	lb.	mg/L	lb.
Permit	54.0	5.0	6.0	Seasonal ²	6.0	3.0	493,381	0.18	29,603
Reported	37.1	<ql< th=""><th>2.7</th><th>0.57</th><th>8.6</th><th>3.1</th><th>112,345</th><th>0.08</th><th>3,166</th></ql<>	2.7	0.57	8.6	3.1	112,345	0.08	3,166

NOTES

- 1. Total Nitrogen expressed as year-to-date average.
- 2. Ammonia has seasonal limits: April October: 1.0 mg/L

Public Engagement and Trust

Tours and Events

AlexRenew welcomed a total of 55 visitors from the following organizations that hosted meetings on the 6th floor of the Environmental Center: WaterReuse Association Meeting and The Alexandria Chamber Leadership Retreat.

Customer Service

Customer service received a total of 1,563 calls with 51 percent opting for self-service. Average call answer time was 26 seconds. Call center staff answered 217 emails.

Social Media and Website

77 percent of people who engaged with us on Facebook during April were from the City of Alexandria; the majority (66.2 percent) were women and 33.8 percent were men. We had 7,650 organic impressions and 636 organic engagements on Facebook. We currently have 3,467 Facebook followers. AlexRenew had 995 organic engagements on Twitter. We have a total of 3,300 followers on Twitter, 2,410 on LinkedIn, and 227 Instagram followers. Alexrenew.com had 7,457 sessions and 12,799 page views during April. We had 67 visitors click through to our website from social media. The RiverRenew website had 558 visitors and 2,514 page views.

Watershed Stewardship

See RiverRenew Dashboard. (Attachment 1)

Adaptive Culture

Since July 2021, AlexRenew has logged 132,915 hours without a lost time accident.

Thank you for your ongoing dedicated service to AlexRenew.

Regards,

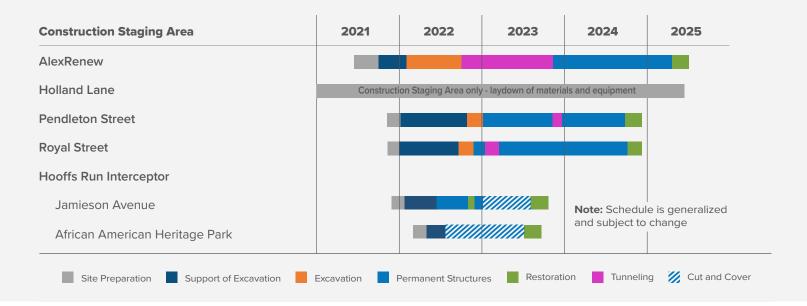
Karen Pallansch Chief Executive Officer

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.

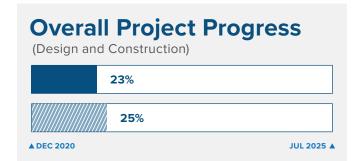
RiverRenew Tunnel Project Schedule



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.
2/2022	TBM fabrication and delivery delayed by three weeks. Monitoring schedule impacts to critical path.

RiverRenew Tunnel Project Design-Build Progress





Design Progress	
	76%
	80%
Construction Progress	JUN 2022 ▲
7%	
7%	
	JUL 2024 ▲



Design Progress		
	71%	
(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(72 %	
Construction Progress		APR 2022 ▲
19%		
///////////////////////////////////////		
		SEP 2023 ▲



Design Progress	
	76%
	78%
Construction Progress	JUN 2022 A
14%	
///////// 14%	
	NOV 2024



Design Progress	
	89%
	89%
Construction Progress*	IN 2022 ▲
6%	
9%	
Au	ıg 2023 ▲



Design Progress	
	75%
	75 %
Construction Progress	MAY 2022
10%	
/////// 11%	
	JUL 2025 🛦



RiverRenew Tunnel Project Six-Month Look-Ahead

Pendleton Street

MAJOR WORK ACTIVITIES

Activity	Date
Backfill	May 2022
Shaft support of excavation	Aug 2022

PERMITS

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

Royal Street

MAJOR WORK ACTIVITIES

Activity	Date
Shaft support of excavation	May 2022
Shaft excavation	Sep 2022

PERMITS

Permit	Date
DSUP Final Site Plan Approval	Jul 2022
Building Permit - Shaft Liner and Base Slab	Aug 2022
Building Permit - Shaft Roof	Aug 2022
Building Permit - Near Surface Structure and SOE	Sep 2022

Waterfront Tunnel

MAJOR WORK ACTIVITIES

Activity	Date
Install instrumentation	May 2022
Tunnel boring machine	
Shipping	May 2022
Arrival and assembly at AlexRenew	Late Jun 2022
Begin mining	Sep 2022

Community Outreach

Event	Date
2022-2023 RiverRenew SAG Meeting No. 2	May 19, 2022
Community Listening Sessions	Jul 11-14, 2022
TBM Welcome Reception	Jul 14, 2022
2022-2023 RiverRenew SAG Meeting No. 3	Jul 21, 2022
2022-2023 RiverRenew SAG Meeting No. 4	Sep 14, 2022

Hooffs Run

MAJOR WORK ACTIVITIES

Activity	Date
North of Jamieson Ave	
Support of excavation	May 2022
Micropile installation	Ongoing through Jun 2022
Diversion chamber construction	Jun 2022
Open cut construction	Aug 2022
Restore portions of Pocket Park	Sep 2022
African American Heritage Park	
Site preparation and invasive plant removal	Ongoing through May 2022
Junction chamber construction	Jun 2022
Open cut construction	Aug 2022

PERMITS

Permit	Date
DSUP Final Site Plan Approval	Jun 2022

AlexRenew

MAJOR WORK ACTIVITIES

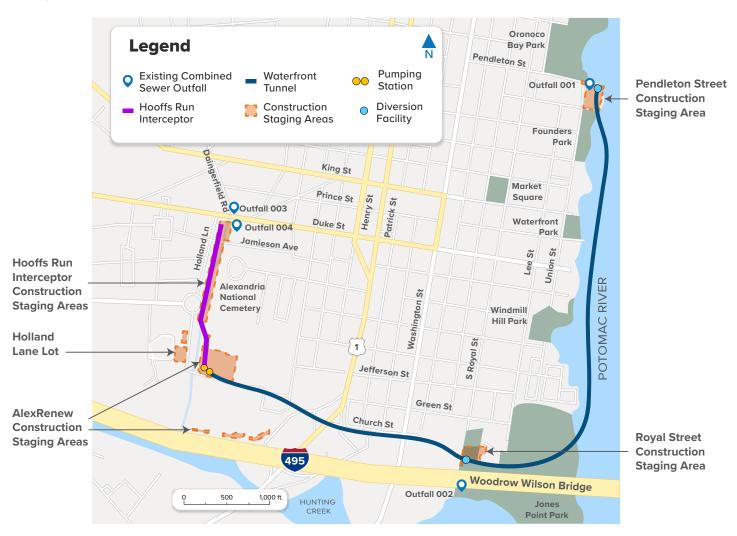
Activity	Date
Shaft excavation	May 2022
HGL control structure support of excavation	Jun 2022
Construct screening shaft base slab	Jun 2022
Breakthrough between screening shaft and pumping shaft	Jul 2022
HRI microtunnel	Sep 2022
Near surface structures deep foundations	Oct 2022

PERMITS

Permit	Date
Building Permit - Shaft Liner and Base Slab	Jul 2022
DSUP Final Site Plan Approval	Jul 2022
Building Permit - Superstructure Architectural	Sep 2022
Building Permit - Near Surface Structures	Oct 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.





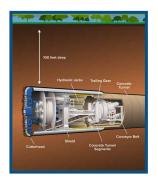
Hooffs Run Interceptor

Click **here** to learn more about upcoming activity at our Hooffs Run site.



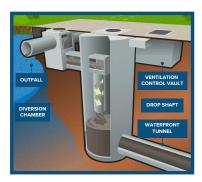
Pumping Station

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.

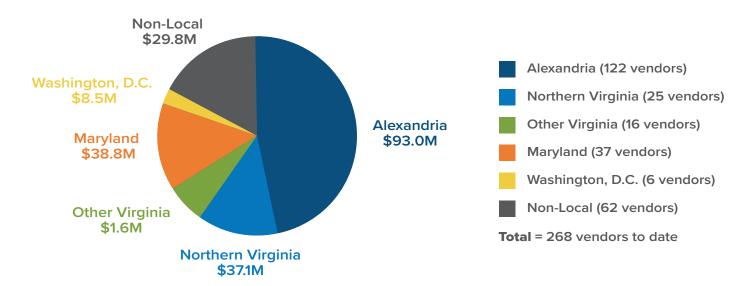


Diversion Facility

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

RiverRenew Program Costs to Date

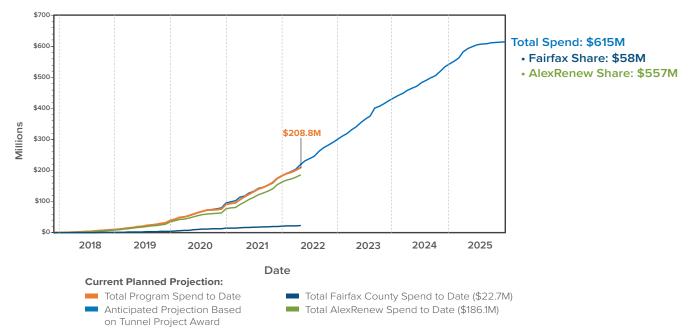
RiverRenew Spend to Date by Locality



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	\$98.6
Brown and Caldwell	Owner's Advisor	Professional Services	17-022	Nov 2017	\$56.4
EPC	Resident Engineering & Inspection Tunnel System Project	Professional Services	20-013	Apr 2020	\$5.1
Completed RiverRenew Wast	ewater Projects to Pave th	ie Way for the Tunnel Pr	oject		\$48.7

RiverRenew Cash Flow Analysis



Note: As of April 30, 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:

 Created a new flyer explaining the differences and ownership of Alexandria's ongoing water quality projects

Looking Ahead:

Delivering a tunnel project
 presentation to students from Jefferson-Houston
 PreK-8. a local IB school



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:

• Seminary Hill Presentation: April 14

Looking Ahead:

- •2022-2023 RiverRenew SAG Meeting No. 2: May 19
- •2022-2023 RiverRenew SAG Meeting No. 3: July 21
- Community Listening Session, Pendleton St: July 11
- Community Listening Session, Royal St: July 12
- Community Listening Session, AlexRenew: July 13
- · Community Listening Session, Hooffs Run: July 14

 * Community Listening Sessions will be held in the field adjacent to the respective construction sites



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 Welcome Reception and Livestream: July 14



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:

• A series of posts providing an inside look at the RiverRenew TBM's Factory Acceptance Testing (see page 7)



- A new Get to Know our Craft Personnel **video** highlighting Equipment Superintendent Steve Morton
- •The Spring 2022 edition of The River Renewer



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. 14: April 27

Looking Ahead:

 Council-Board Workgroup Meeting No. 15: July 13 (tentative)



Community Events

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

Highlights:

- ·Sip 'n See events ongoing
- •ALX Dog Walk: April 2
- •Oronoco Bay Park Cleanup in support of the Alice Ferguson Foundation: April 9

Looking Ahead:

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

Note: Pendleton Street Sip 'n See will resume on Thursdays in August when work resumes on the site



Factory acceptance testing prepares the RiverRenew TBM to build for healthier waterways

The RiverRenew Tunnel Project reached another major milestone as AlexRenew's Tunnel Boring Machine completed Factory Acceptance Testing.

The test comes at the end of the machine design and fabrication effort by Herrenknecht in Schwanau, Germany. Engineers and Mechanics from the RiverRenew team traveled to Germany to rigorously examine and test every component of the machine, demonstrate that all systems function as designed, and make any final necessary adjustments while the machine is still at the factory.

The TBM will now be disassembled and prepared for her journey across the Atlantic to Alexandria and is set to arrive in late June or early July.

Visit RiverRenew.com/news/program-updates/tbm-testing to learn more about the TBM's factory test and see behind-the-scenes footage from this trip, or take a self-guided tour inside the TBM at bit.ly/TBM-tour.

Building for the Future of Alexandria's Waterways

To learn more, visit www.RiverRenew.com





Monthly Financial Report



Month: April 2022

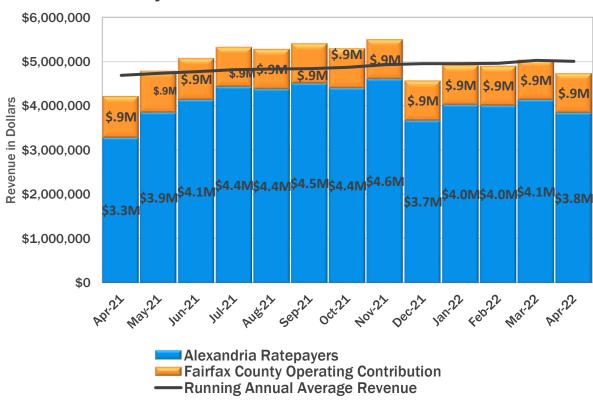
Overview

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

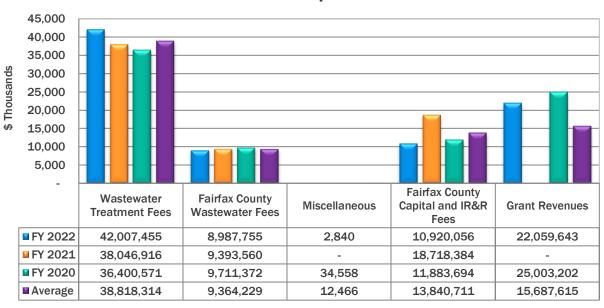
- FY22 operating revenues total \$50.9 million through the end of April with approximately \$42.0 million in Wastewater Treatment Charge revenue and \$8.9 million collected from Fairfax County. Wastewater Treatment Charge revenue is approximately \$3.9 million (10.4%) more compared to the same time period in FY21, and \$2.2 million (5.43%) above the Fiscal 2022 YTD budget. Finance staff will continue to monitor the trends for material anomalies.
- Revenue performance is driven by billed flows that are impacted by seasonality and by the Virginia American Water meter reading process, both of which can influence month over months numbers.
- 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

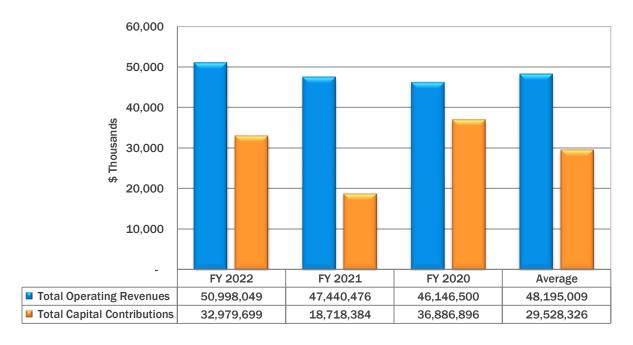




Annual Revenue and Capital Contributions 3 Year Comparison



Operating Revenue vs. Capital Contributions





Expenses

FY22 operating and maintenance expenses are approximately 11% or \$2.53 million under the year-to-date budget, representing a spend rate of 74.4%. While utility costs have decreased slightly, other expenses such as chemicals and maintenance activities are rising due to inflationary pressures and supply chain challenges.

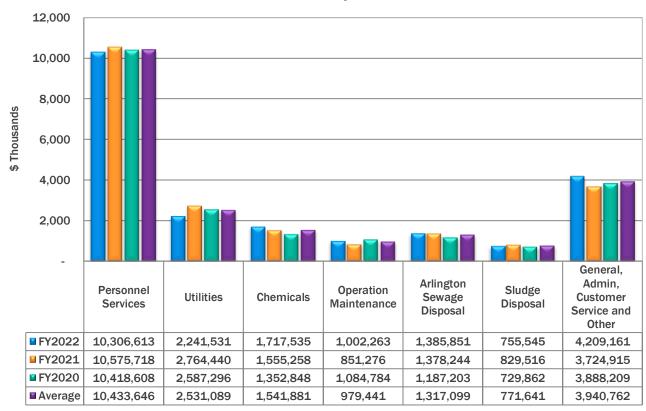
Capital outlay expenses are \$41.9 million year-to-date, representing a spend rate of 39.0%.

At ten (10) months into the fiscal year, the overall spend rate is 50.6% of the total budget.

		ACTUA	L VS	. BUDGET				SPEND						
		Throu	RATE											
(\$ Millions)		FY 2022	FY	TD 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	\$	21.13	\$	21.15	\$ 23.66	74.4%	74.5%	0.0%				
Debt Service		13.92		14.00		13.59	11.60	100.0%	96.5%	3.5%				
General Fund		72.40		30.58		14.34	60.33	42.2%	56.3%	-14.1%				
Joint IR&R		5.70		7.78		4.60	4.75	136.5%	88.4%	48.1%				
General Fund IR&R		0.12		0.01		0.00	0.10	9.2%	2.5%	6.7%				
Project Fund		107.50		41.98		41.77	89.58	39.0%	59.4%	-20.4%				
Total	\$ 228.03 \$ 115.4					95.46	\$ 190.03	50.6%	66.5%	-15.8%				

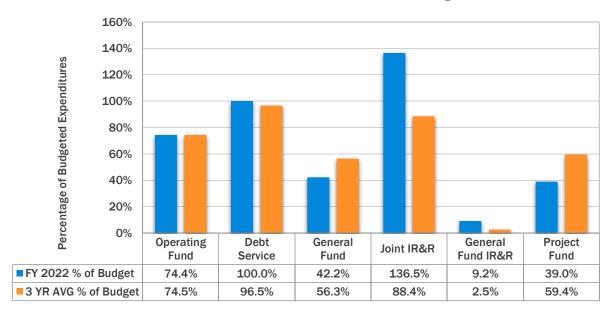
Expenses by Fund

Annual Operating Expenses 3 Year Comparison





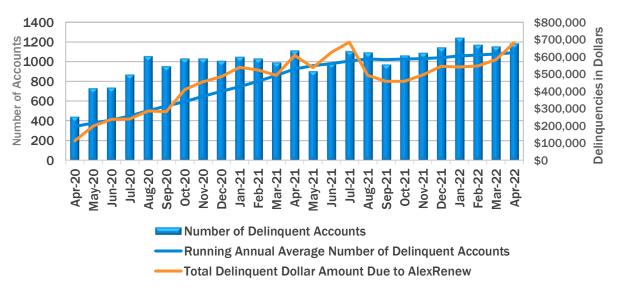
Expenditure Budget Comparison By Fund FY 22 vs. 3 Year Average



Delinquencies

The number of accounts that are delinquent by more than 60 days was 1,183 in April and increased by 30 accounts month-over-month. The total dollar amount owed to AlexRenew from these accounts totaled \$680,899 at the end of April and increased by \$98,492 month-over-month. These increases were driven by increases in the balances owed by residential customers with unpaid bills and coincide with the end of supplemental unemployment income payments. 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.

Active Accounts 60+ Days Delinquent

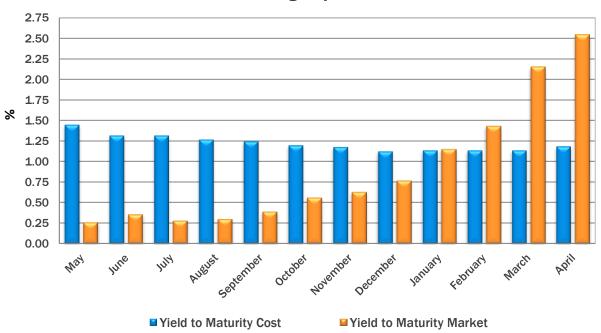




Investments

PFM Investment Advisors manages approximately \$21 million of AlexRenew's \$24 million investment portfolio. The following graph demonstrates current earnings on investments of approximately 1.18%; a level higher than general bank deposit earnings rates.

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



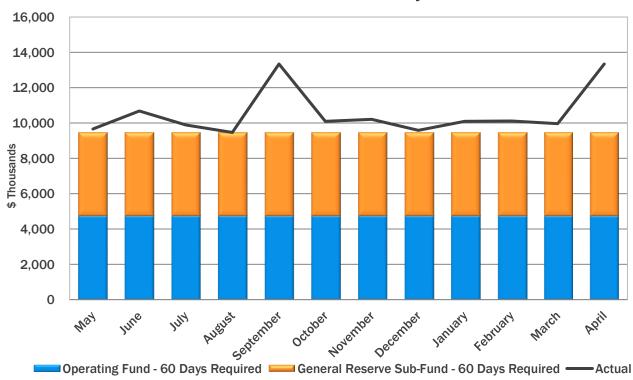
Cash Reserves

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 April, 2022			
Total Operating Cash	\$	5,745,033	
Total Certificates of Deposit (Cash Equivalent)	\$	2,864,913	
CARE ACT COVID19 Funding Balance	\$	<u>-</u>	
Total Operating Cash	\$	8,609,945	
Total General Reserve Sub-Fund Cash	_	4,731,167	
Total Operating and General Reserve Sub-Fund Cash		13,341,112	141

Cash Reserve Policy



Debt Service Coverage

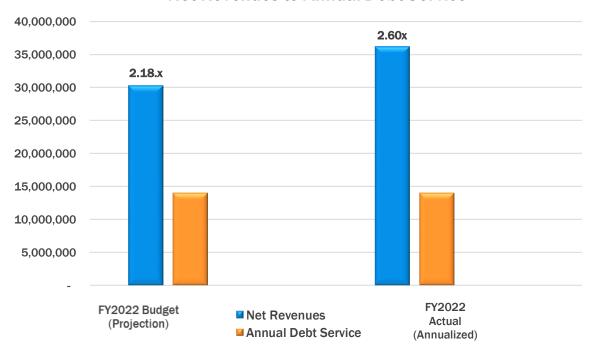
The Indenture also requires AlexRenew to maintain minimum debt service coverage such that Revenues less Operating Expenses or Net Revenues (each term as defined in the Indenture) is at least 1.10x the parity debt service due in any fiscal year. Compliance with Board-approved financial policies requires 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 ten months into the fiscal year, annualized results would indicate coverage of at 2.60x, ahead of the budgeted projection of 2.18x.



	FY 2022	FY 2022
Financial Policy Compliance - All-In Debt Service Coverage	Actual	Budget
Gross Revenues Available for Debt Service Coverage:		
Wastewater Treatment Charges - Alexandria Ratepayers	50,408,946	47,814,540
Fairfax County Operating Expense Charge	10,785,306	10,785,305
Reimbursement from other systems	3,408	-
Investment Income	386,476	115,000
Less Restricted Investment Income	-	-
Total	61,584,135	58,714,845
LESS Operating Expenses	(25,357,025)	(28,386,991)
Net Revenues [a]	36,227,111	30,327,854
Annual Debt Service [b]	13,919,620	13,919,620
Calculated All-In Debt Coverage [a/b]	2.60x	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.

2022 AlexRenew Board of Directors Calendar of Events

		Jai	nuary	/					Fe	brua	iry			March								
S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S		
					31	1			1	2	3	4	5			1	2	3	4	5		
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12		
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19		
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26		
23	24	25	26	27	28	29	27	28						27	28	29	30	31				
30	31								-										_'			

		P	April							May	,						June			
S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S	S	М	Т	W	T	F	S
					1	2	1	2	3	4	5	6	7				1	2	3	4
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
24	25	26	27	28	29	30	29	30	31		-	-		26	27	28	29	30		

Budget Hearing

Legend

Regular Board of Directors Mtg.

AlexRenew Observed Holidays

Finance & Audit (F&A) Committee

Governance (Gov.) Committee

RiverRenew Stakeholder Advisory Group Activity (SAG)

Council Board Work Group Activity (CBWG)

Community Listening Sessions (CLS)

6	7				1	2	3	4	
13	14	5	6	7	8	9	10	11	
20	21	12	13	14	15	16	17	18	
27	28	19	20	21	22	23	24	25	
	20	20 21	20 21 12	20 21 12 13	20 21 12 13 14	20 21 12 13 14 15	20 21 12 13 14 15 16	20 21 12 13 14 15 16 17	13 14 5 6 7 8 9 10 11 20 21 12 13 14 15 16 17 18

January

Dec. 31: New Year's Day Observed

18: Board of Directors Meeting

19: Council Board Workgroup

20: RiverRenew SAG #1

26: RiverRenew Community Listening

27: Governance Committee Mtg.

February

15: Board of Directors Meeting

March

15: Board of Directors Meeting

17: RiverRenew SAG #1

April - Earth Month

18: Governance Committee Mtg.

19: Board of Directors Mtg. - Presentation of FY23 Budget

22: National Earth Day

27: Council Board Workgroup

May

4: Finance & Audit Comm. Mtg

7: Public Hearing on Budget

17: Board of Directors Mtg

19: RiverRenew SAG #2

30: Memorial Day

June - Safety Month

20: Juneteenth Day Observed

21: Board of Directors Meeting

2022 AlexRenew Board of Directors Calendar of Events

		J	luly						A	ugus	st			September									
S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S			
					1	2		1	2	3	4	5	6					1	2	3			
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10			
10	11	12	13	14	15	16	14	15	16	17	18	19	20	11	12	13	14	15	16	17			
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24			
24	25	26	27	28	29	30	28	29	30	31		_		25	26	27	28	29	30				
31																							

		Oc	tobe	r					No	vem	ber			December									
S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S	S	М	Т	W	Т	F	S			
						1			1	2	3	4	5					1	2	3			
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10			
9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17			
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24			
23	24	25	26	27	28	29	27	28	29	30				25	2 6	27	28	29	30	31			
30	31										1												

Legend

Board of Directors Activity
AlexRenew Observed Holidays
Finance & Audit (F&A) Committee
Governance (Gov.) Committee
RiverRenew SAG
Council Board Work Group Activity (CBWG)
Community Listening Sessions (CLS)

Revised 5.9.22

July
1: Beginning of FY23
4: Independence Day Observed
11: CLS - Pendleton St
12: CLS - Royal Street
13: CBWG (Tent.)
13: CLS - Alexandria Renew
14: CLS - Hooffs Run
19: Board of Directors Annual Meeting
21: RiverRenew SAG #3
August - National Water Quality Month
No Board Meeting this Month
September - Preparedness Month
5: Labor Day
15: RiverRenew SAG #4
20: Board of Directors Meeting
October - Cybersecurity Month
TBD: Council Board Workgroup
10: F&A Audit Review
TBD: Board Interviews for GM
18: Board of Directors Meeting
November - Thanks for Giving Month
8: Election Day
15: Board of Directors Meeting
17: RiverRenew SAG #5
24: Thanksgiving
December 20. Pagular Pagud Masting
20: Regular Board Meeting
21: Board announcement of new GM
26: Christmas Day Observed