



FISCAL YEAR 2025

Operating and Capital Budget

July 1, 2024 – June 30, 2025
Alexandria, Virginia

Draft Approved for Public Notice - April 16, 2024

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Table of Contents

FY2025 Operating and Capital Budget Executive Summary.....	1
1 Understanding the Budget	3
2 AlexRenew’s Strategic Plan	5
3 Overview of FY2025 Operating and Capital Budget	6
4 Three (3) Year Budget Forecast	10
5 Determining Rates, Charges, and Revenues	12
6 10-Year Capital Improvement and IRR Programs.....	14
Appendix A. Definitions	
Appendix B. Three (3) Year Budget Forecast – Fund Statements	
Appendix C. 10-Year Capital Improvement and IRR Programs – Summary and Project Sheets	

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FY2025 Operating and Capital Budget Executive Summary

AlexRenew plays a vital role in building a healthier, more resilient community. Investing in wastewater infrastructure, supporting local businesses, and creating jobs each year enables AlexRenew to uphold the highest standards of operations and deliver on its mission to protect public health and the waterways that connect us.

The proposed Fiscal Year (FY) 2025 Draft Operating and Capital Budget is \$234.1 million to ensure sufficient resources for daily operations and ongoing investments for AlexRenew’s infrastructure. The budget was developed in alignment AlexRenew’s financial policies and agreements and reflects a high level of service to our stakeholders. Figure ES.1 summarizes the FY2025 expenses and revenues.

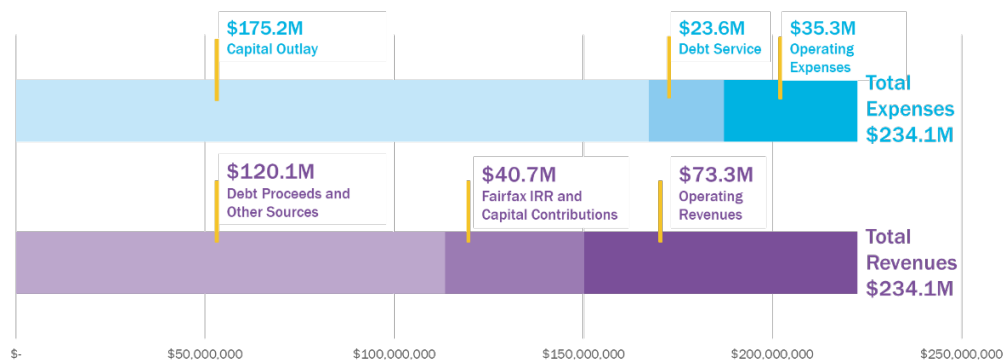


Figure ES.1. FY2025 Expenses and Revenues

ES.1 FY2025 Expenses

The majority of FY2025 expenses are related to capital outlay which includes \$107.7 million in spending to support the ongoing RiverRenew program. Additionally, AlexRenew is beginning several long-term projects to support necessary upgrades to AlexRenew’s wastewater treatment plant, which include:

- **Solids Upgrade Program.** A program to address short-term operational reliability and long-term planning for AlexRenew’s solids processes. In FY2025, AlexRenew will invest \$8.9 million in design and preconstruction phase services for a construction manager at-risk contract and continue long-term planning for AlexRenew’s solids future.
- **Preliminary and Primary Systems Upgrade (PPSU).** A project to upgrade the existing preliminary and primary treatment processes to improve operational performance and reliability. In FY2025, AlexRenew will invest \$12.4 million in design and preconstruction phase services for a construction manager at-risk contract.
- **Tertiary System Upgrades.** A project to repair and upgrade the tertiary filters and settling tanks. In FY2025, AlexRenew will invest \$2.0 million in design phase services.
- **Information Technology (IT) Infrastructure Upgrades.** A program to improve the cybersecurity of AlexRenew and to upgrade AlexRenew’s asset management software. In FY2025, AlexRenew will invest \$6.0 million in continued upgrades to AlexRenew’s IT infrastructure and asset management software.

These four projects combined with RiverRenew account for more than 50 percent of all expenses.

These projects are primarily funded through loans, grants, and public bonds, which is represented in the budget under Debt Proceeds and Other Sources. For FY2025, AlexRenew will continue to draw on the \$321 Water Infrastructure Finance and Innovation Act (WIFIA) loan and the remaining \$90 million American Rescue Plan grant. AlexRenew also anticipates issuing new debt (approximately \$70M) to support funding for the Solids Upgrade Program, PPSU project, and Tertiary System Upgrade project.

AlexRenew anticipates continued use of its three Job Order Contracts for ongoing repairs and improvements to AlexRenew's assets through the \$11.8 million Improvement, Renewal, and Replacement (IRR) program.

The FY2025 operating expenses are \$35.3 million, representing a 6.9 percent year-over-year increase. The increase is largely driven by the anticipated 6.9 percent investment in employee compensation, supported by a compensation study that AlexRenew conducts every two years.

ES.2 FY2025 Revenues

The anticipated operating revenue for FY2025 is \$73.3 million, up 10.2 percent from the FY2024 budget. The increase is a result of billed flows returning to pre-pandemic levels and the adopted rate increase for FY2025, primarily to support the RiverRenew program. The FY2025 rate increase was adopted by AlexRenew's Board of Directors (Board) as part of the FY2024 budget process and includes a 5.1 percent increase to AlexRenew's wastewater treatment charge.

1 Understanding the Budget

AlexRenew’s budget is a financial instrument to ensure that AlexRenew has the financial resources to efficiently construct, operate, and maintain its assets to comply with state and federal law. Current operating expenses and capital outlay are estimates based on experience and judgment related to cost trends in labor, materials, and services required to operate and maintain AlexRenew’s facilities.

AlexRenew builds its budget from internal policies, its by-laws, and third party agreements. These documents are further discussed in the following subsections.

1.1 Master Indenture of Trust

The Indenture is a legal agreement that mandates how AlexRenew will collect and use its revenues for operations, maintenance, and capital expenses. It sets requirements for the funds that are used for specific revenues, including requiring that wastewater treatment charges collected from Alexandria customers be deposited in a Revenue Fund. This document also requires operating expense payments that are made by Fairfax County to AlexRenew, for its reserved capacity in the wastewater treatment plant, are deposited in the Revenue Fund. Table 1.1 serves as a glossary that can be used to better understand the purpose, order of priority, and funding method for each of the Funds and Accounts established in the Indenture.

Table 1.1. Flow of Funds in the Master Indenture of Trust

Funds	Description
Revenue Fund	Revenues ¹ are initially deposited to the Revenue Fund and then transferred to other funds in the following order of priority.
Operating Fund	Revenues are then deposited to the Operating Fund to pay operating expenses. At the end of each month, AlexRenew must ensure that 1/6 th (or 60 days) of annual budgeted operating expenses is deposited into the Operating Fund.
Bond Fund	Revenues are then deposited to the Bond Fund in order to pay debt service payments.
Debt Service Reserve Fund	Any required transfers to the debt service reserve account must be made.
Joint IRR ² Fund	Revenues are then deposited to the Joint IRR Fund to meet required Joint IRR transfers per Fairfax Agreement.
General IRR ² Fund	Revenues are then deposited to the General IRR Fund to meet required Alex-only specific IRR needs.
General Fund	Any remaining revenues are deposited within the General Fund.

¹Revenues means all revenues, receipts, and other income derived or received by AlexRenew from owning and operating its system. This primarily includes AlexRenew Wastewater Treatment Charges and Fairfax County operating expense charges.

²Improvement, Renewal, and Replacement

1.2 AlexRenew’s Financial Policy

AlexRenew’s Board-approved financial policy guides AlexRenew’s financial management, capital planning, and debt financing. The annual budget is structured to comply with requirements established in the financial policy, including:

- Maintain a combined 120 days of reserves in the Operating Fund and General Reserve Sub-Fund;
- Ensure that revenues available to pay debt service are at least equal to 1.50 times the amount of debt service due in any fiscal year; and

- Fund the 10-year Capital Improvement Program with at least 15 percent cash and reserves. (PAYGO).

1.3 Fairfax County Service Agreement

Fairfax County makes payments to AlexRenew under an amended and restated service agreement dated October 1, 1998 (Fairfax County Service Agreement). In accordance with the Fairfax County Service Agreement, Fairfax County pays a percentage of operations and maintenance expenses based upon sewer flow volume to AlexRenew's wastewater treatment plant. Fairfax County also contributes to the IRR program and Capital Improvement Program (CIP), at predetermined levels, to allow for the upgrade and replacement of capital assets as they depreciate, and the acquisition of new assets associated with regulatory compliance.

1.4 Arlington County Service Agreement

The Arlington County Service Agreement is similar to the Fairfax County Service Agreement. This legal document, dated July 1, 1977, establishes the amount and timing for monies paid by AlexRenew to Arlington County for agreed-upon capacity at the Arlington County Water Pollution Control Plant that treats wastewater flows from the northwestern quadrant of the city.

1.5 Fairfax County Cost Share Memorandum of Understanding for RiverRenew Facilities

Fairfax County and AlexRenew established a memorandum of understanding between Fairfax County and AlexRenew, dated October 6, 2020, to define the cost share for RiverRenew facilities. The division of costs is incorporated into the RiverRenew capital funding as shown in the CIP.

1.6 Budget Timeline

AlexRenew uses a fiscal year cycle ending June 30. The FY2025 Operating and Capital Budget will encompass the 12-month period from July 1, 2024 – June 30, 2025. AlexRenew develops the budget during the prior fiscal year before it undergoes review by the Board and the public.

The timeline for the FY2025 Operating and Capital Budget is as follows:

- **March 18.** Finance & Audit Committee reviews the FY2025 Preliminary Draft Operating and Capital Budget at the March Finance & Audit Committee meeting.
- **March 19.** Finance & Audit Committee recommends the FY2025 Preliminary Draft Operating and Capital Budget to the Board at its March Board meeting.
- **April 16.** The Board approves the FY2025 Draft Operating and Capital Budget for public notice and sets the public hearing at its April Board meeting.
- **May 18.** Board and staff present the FY2025 Draft Operating and Capital Budget at a public hearing to receive comments.
- **June 18.** Board approves Final FY2025 Operating and Capital Budget at its June Board meeting.

2 AlexRenew's Strategic Plan

During the January 2024 Board Retreat, AlexRenew's Board refreshed the vision, mission, and strategic goals for the organization. This refresh culminated in a new strategic plan for 2024-2029 developed by staff. AlexRenew's FY2025 Operating and Capital Budget aligns with AlexRenew's Strategic Plan 2024-2029 which lays out the direction and goals of the organization and guidelines for actions to achieve those goals. The strategic goals are integrated into AlexRenew's daily operations, challenging the team to build a more resilient, sustainable, and equitable organization.

AlexRenew's vision is "Every drop of water contributes to a thriving community and healthy environment for all." Its mission is to "Treat wastewater to protect public health and the waterways that connect us." Its refreshed strategic goals are:

- **Operational Excellence.** Taking proactive steps to meet current and future challenges
- **Thriving Workforce.** Investing in our staff and fostering a culture of belonging
- **Strategic Partnerships.** Promoting watershed-level thinking through collaboration and advocacy
- **Environmental Sustainability.** Being good stewards of our resources to minimize our impact on the environment
- **Commitment to the Community.** Strengthening connections with the public and providing affordable service

3 Overview of FY2025 Operating and Capital Budget

AlexRenew begins its annual budget presentation by preparing a summary that combines all the estimated sources (revenues) and uses of funds (expenses) for the upcoming fiscal year. The primary purpose for this summary is to demonstrate that the overall FY2025 Operating and Capital Budget is in “structural” balance – which means all of the revenues and expenses are consistent with the historical financial performance, all balances that remain in the prescribed funds and accounts meet stated requirements, and if total revenues exceed total expenses, any potential excess funds are deposited in the General Fund to serve as reserves.

Tables 3.1 and 3.2 summarize the revenues and expenses associated with AlexRenew’s FY2025 Operating and Capital Budget, which total \$234.1 million, a 10.9 percent decrease compared to the prior year.

Table 3.1. Summary of FY2025 Revenues

Revenue Categories		Adopted FY2024	Proposed FY2025	Annual Variance (%)
Operating Revenues	Wastewater Treatment Charges	\$ 53,672,299	\$60,420,321	12.6%
	Fairfax County Operating Expense Charge	\$12,796,021	\$12,838,293	0.3%
	<i>Subtotal</i>	\$ 66,468,320	\$73,258,614	10.2%
Fairfax IRR and Capital Contributions	Fairfax County IRR Contribution	\$3,723,671	\$3,901,296	4.8%
	Fairfax County Capital Contribution	\$32,696,130	\$36,851,776	12.7%
	<i>Subtotal</i>	\$36,419,800	\$40,753,072	11.9%
Debt Proceeds and Other Sources	Parity Debt Proceeds	\$153,652,896	\$112,618,224	-26.7%
	Interest Income	\$115,000	\$900,000	682.6%
	Use of Fund Balances	\$6,155,291	\$6,558,193	6.5%
	<i>Subtotal</i>	\$159,923,187	\$120,076,418	-24.9%
Total Revenues		\$262,811,307	\$234,088,104	-10.9%

Table 3.2. Summary of FY2025 Expenses

Expense Categories		Adopted FY2024	Proposed FY2025	Annual Variance (%)
Operating and Maintenance Expenses	Personnel	\$16,094,350	\$17,210,991	6.9%
	Utilities	\$4,238,000	\$4,248,000	0.2%
	Chemicals	\$3,347,500	\$3,571,000	6.7%
	Operations/ Maintenance	\$1,145,250	\$1,581,255	38.1%
	Arlington Sewage Disposal	\$1,528,443	\$1,800,000	17.8%
	Sludge Disposal	\$1,298,000	\$1,362,000	4.9%
	General, Admin, Cust. Service and Other	\$5,372,050	\$5,522,348	2.8%
	<i>Subtotal</i>	\$33,023,593	\$35,295,594	6.9%
Debt Service	Parity Debt Service	\$16,448,494	\$23,582,210	43.4%
Capital Outlay	Joint IRR	\$10,652,748	\$9,933,900	-6.7%
	Alex-only IRR	\$166,000	\$1,822,000	997.6%
	Fund Balance Additions	\$876,587	-	-100.0%
	RiverRenew	\$162,278,264	\$107,700,000	-33.6%
	General CIP (Alex-only)	\$8,183,100	\$10,844,400	32.5%
	General CIP (Joint)	\$31,182,521	\$44,910,000	44.0%
<i>Subtotal</i>		\$213,339,220	\$175,210,300	-17.9%
Total Expenses		\$262,811,307	\$234,088,104	-10.9%

Tables 3.3, 3.4, and 3.5 summarize the funding sources for the operating expenses, debt service, and capital outlay following the flow of funds set by the Indenture as discussed in Section 1.

Table 3.3. Operating and Maintenance Expenses Funding Sources and Flow of Funds

Operating and Maintenance Expenses	Adopted FY2024	Proposed FY2025	Annual Variance (%)
Funding Sources			
Wastewater Treatment Charges	\$ 53,672,299	\$60,420,321	12.6%
Fairfax County Operating Expense Charge	\$12,796,021	\$12,838,293	0.3%
Interest Income	\$10,000	\$100,000	900.0%
Total Operating Funding Sources	\$66,478,320	\$73,358,614	10.3%
Operating and Maintenance Expenses			
Personnel	\$16,094,350	\$17,210,991	6.9%
Utilities	\$4,238,000	\$4,248,000	0.2%
Chemicals	\$3,347,500	\$3,571,000	6.7%
Operations/Maintenance	\$1,145,250	\$1,581,255	38.1%
Arlington Sewage Disposal	\$1,528,443	\$1,800,000	17.8%
Sludge Disposal	\$1,298,000	\$1,362,000	4.9%
General, Admin, Cust. Service and Other	\$5,372,050	\$5,522,348	2.8%
<i>Subtotal</i>	<i>\$33,023,593</i>	<i>\$35,295,594</i>	<i>6.9%</i>
Debt Service Reserves			
Transfer to Parity Debt Service	\$16,358,494	\$22,857,210	39.7%
<i>Subtotal</i>	<i>\$16,358,494</i>	<i>\$22,857,210</i>	<i>39.7%</i>
Capital Outlay Reserves			
Transfer to Capital Outlay	\$17,096,233	\$15,205,811	-11.1%
<i>Subtotal</i>	<i>\$17,096,233</i>	<i>\$15,205,811</i>	<i>-11.1%</i>
Total Operating Expenses and Transfers	\$66,478,320	\$73,358,614	10.3%

Table 3.4. Debt Service Funding Sources and Flow of Funds

Debt Service	Adopted FY2024	Proposed FY2025	Annual Variance (%)
Funding Sources			
Transfer from Operating Revenue	\$16,358,494	\$22,857,210	39.7%
Parity Interest Income	\$90,000	\$725,000	705.6%
Total Operating Funding Sources	\$16,448,494	\$23,582,210	43.4%
Expenses			
Principal	\$10,613,912	\$14,068,763	32.6%
Interest	\$5,834,582	\$9,513,447	63.1%
Debt Service Reserves	\$16,448,494	\$23,582,210	43.4%

Table 3.5. Capital Outlay Funding Sources and Flow of Funds

Capital Outlay	Adopted FY2024	Proposed FY2025	Annual Variance (%)
Funding Sources			
Transfer from Operating Revenue	\$17,096,233	\$15,205,811	-11.1%
Fairfax County IRR Contribution	\$3,723,671	\$3,901,296	4.8%
Fairfax County Capital Contribution	\$32,696,130	\$36,851,776	12.7%
Capital Interest Income	\$15,000	\$75,000	400.0%
Use of Fund (Cash)	\$6,155,291	\$6,558,193	6.5%
Debt/Grant	\$153,652,896	\$112,618,224	-26.7%
Total Capital Outlay Funding Sources	\$213,339,220	\$175,210,300	-17.9%
Expenses			
IRR	\$10,818,748	\$11,755,900	8.7%
Capital	\$201,643,885	\$163,454,400	-18.9%
Other	\$876,587	-	-100.0%
Total Capital Outlay Expenses	\$213,339,220	\$175,210,300	-17.9%

3.1 Operating Revenues

Operating revenues comprise the rates collected from Alexandria customers and Fairfax County's payments for AlexRenew's day-to-day operations. The projected Operating Revenue for FY2025 is \$73.3 million, up 10.2 percent from the prior year budget. In June 2023, the Board approved a 5.1 percent rate increase for FY2025, primarily to support funding for the RiverRenew program. The anticipated increase in Operating Revenues is a result of the adopted rate increase and billed flows returning to pre-pandemic levels. Further detail on AlexRenew's FY2025 rates is included in Section 4.

3.2 Fairfax IRR and Capital Contributions

In accordance with the Fairfax County Service Agreement, Fairfax County contributes to the IRR program and CIP, at predetermined levels, to allow for the upgrade and replacement of capital assets as they depreciate, and the acquisition of new assets associated with regulatory compliance. The projected Fairfax IRR and Capital Contributions for FY2025 is \$40.8 million, up 11.9 percent from the prior year budget.

3.3 Debt Proceeds and Other Sources

Debt proceeds and other sources include loans, grants, interest income, miscellaneous revenue, and cash reserves. This component of the budget is primarily comprised of funding from grants and loans as AlexRenew's CIP projects progress. The projected FY2025 Debt Proceeds and Other Sources budget is \$120.1 million, decreasing 24.9 percent from the prior year budget. The decrease is primarily due to the RiverRenew project nearing its completion date.

3.4 Operating and Maintenance Expenses

Operating and maintenance expenses represent the costs associated with day-to-day operation of wastewater treatment and other AlexRenew facilities. The proposed FY2025 Operating and Maintenance Expenses are \$35.3 million, representing a 6.9 percent year-over-year increase. The increase is largely driven by the anticipated 6.9 percent investment in employee compensation, supported by a compensation study that AlexRenew conducts every two years.

Personnel costs represent 49 percent of the operating expenses. As shown Table 3.6, the FY2025 operating budget projects a slight increase in headcount compared to the FY2024 Approved Budget

Table 3.6. Full Time Equivalent (FTE) Summary

Department	Adopted FY2024	Proposed FY2025	FTE Impact
Executive	3.0	4.0	1.0
Finance	9.0	9.0	-
Strategy & Policy	5.0	5.0	-
Laboratory	7.5	7.0	-0.5
Communications	7.0	7.0	-
Operations & Maintenance	72.0	73.0	1.0
Engineering & Planning	5.0	5.0	-
Information Systems	10.0	10.0	-
Human Resources	6.0	6.0	-
Total	124.5	126.0	1.5

3.5 Debt Service

Debt Service is the annual money required to pay the principal and interest on outstanding debt. The FY2025 Debt Service budget is \$23.6 million, up 43.4 percent from the prior year primarily due to funds borrowed for the ongoing RiverRenew project.

3.6 Capital Outlay

The proposed FY2025 Capital Outlay is projected to be \$175.2 million. The expenditures primarily include funding for the Solids Upgrade Program, Preliminary and Primary Systems Upgrade project, Tertiary System Upgrades project, and IT Infrastructure Upgrades project. AlexRenew also anticipates continued use of its three Job Order Contracts for ongoing repairs and improvements to AlexRenew's assets through the \$11.8 IRR program. Table 3.7 provides a summary of the CIP/IRR program for FY2025.

Table 3.7. FY2025 CIP/IRR Program Summary (\$M)

Summary of Capital Expenses		Adopted FY2024	Proposed FY2025	% Change
IRR Program	Alex-only IRR	\$0.2	\$1.8	997.6%
	Joint IRR	\$10.7	\$9.9	-6.7%
	<i>Subtotal</i>	\$10.8	\$11.8	8.7%
CIP – General	Alex-only CIP	\$8.2	\$10.8	32.5%
	Joint CIP	\$31.2	\$44.9	44.0%
	<i>Subtotal</i>	\$39.4	\$55.8	41.6%
CIP – RiverRenew	RiverRenew Tunnel	\$162.3	\$107.7	-33.6%
	<i>Subtotal</i>	\$162.3	\$107.7	-33.6%
Total CIP/IRR Program Expenditures		\$212.5	\$175.2	-17.5%

4 Three (3) Year Budget Forecast

Each year, AlexRenew also presents a three (3) year budget forecast of anticipated revenues and expenses to comply with its financial policy. Tables 4.1 and 4.2 below present the budget forecast for the next three years, including FY2025.

Table 4.1. Three (3) Year Budget Forecast – Revenues

Revenue Categories		Proposed FY2025	Estimated FY2026	Estimated FY2027
Operating Revenues	Wastewater Treatment Charges	\$60,420,321	\$63,513,841	\$66,670,479
	Fairfax County Operating Expense Charge	\$12,838,293	\$13,223,632	\$13,620,534
	<i>Subtotal</i>	\$73,258,614	\$76,737,473	\$80,291,014
Fairfax IRR and Capital Contributions	Fairfax County IRR Contribution	\$3,901,296	\$4,078,922	\$9,171,556
	Fairfax County Capital Contribution	\$36,851,776	\$50,456,329	\$58,049,772
	<i>Subtotal</i>	\$40,753,072	\$54,535,250	\$67,221,328
Debt Proceeds and Other Sources	Parity Debt Proceeds	\$112,618,224	\$26,633,671	\$31,180,228
	Interest Income	\$900,000	\$900,000	\$900,000
	Use of Fund Balances	\$6,558,193	\$9,465,615	\$2,110,926
	<i>Subtotal</i>	\$120,076,418	\$36,999,286	\$34,191,154
Total Revenues		\$234,088,104	\$168,272,010	\$181,703,495

Table 4.2. Three (3) Year Budget Forecast – Expenses

Expense Categories		Proposed FY2025	Estimated FY2026	Estimated FY2027
Operating and Maintenance Expenses	Personnel	\$17,210,991	\$17,727,321	\$18,259,140
	Utilities	\$4,248,000	\$4,375,440	\$4,506,703
	Chemicals	\$3,571,000	\$3,678,130	\$3,788,474
	Operations/ Maintenance	\$1,581,255	\$1,628,693	\$1,677,553
	Arlington Sewage Disposal	\$1,800,000	\$1,854,000	\$1,909,620
	Sludge Disposal	\$1,362,000	\$1,402,860	\$1,444,946
	General, Admin, Cust. Service and Other	\$5,522,348	\$5,688,018	\$5,858,659
	<i>Subtotal</i>	\$35,295,594	\$36,354,461	\$37,445,095
Debt Service	Parity Debt Service	\$23,582,210	\$21,134,989	\$20,889,716
Capital Outlay	Joint IRR	\$9,933,900	\$10,222,800	\$11,642,943
	Alex-only IRR	\$1,822,000	\$469,760	\$708,941
	Fund Balance Additions	-	-	-
	CIP – RiverRenew	\$107,700,000	\$1,900,000	-
	CIP – General (Alex-only)	\$10,844,400	\$15,190,000	\$14,266,800
	CIP – General (Joint)	\$44,910,000	\$83,000,000	\$96,750,000
<i>Subtotal</i>		\$175,210,300	\$110,782,560	\$123,368,684
Total Expenses		\$234,088,104	\$168,272,010	\$181,703,495

Tables 4.3 and 4.4 demonstrate AlexRenew's financial profile according to the budget projections, as measured by its two major financial metrics – cash reserves and debt service coverage.

As it relates to liquidity, AlexRenew's Indenture requires it to maintain at least 60 days cash on hand in the Operating Fund and an additional 60 days cash on hand in the General Reserve sub-fund, for a total cash reserve requirement of at least 120 days of operating expenses. As it relates to debt service

coverage, AlexRenew’s Indenture requires that net revenues cover annual debt service payments by 1.1x while the Financial Policies require a more stringent 1.5x. In both cases, the proposed FY2025 budget forecasts compliance with these policies and indicates a healthy financial profile.

Table 4.3. Summary of Compliance with Indenture and Financial Policy – Cash Reserves

Indenture and Financial Policy Compliance	Adopted FY2024	Proposed FY2025	Estimated FY2026	Estimated FY2027
Operating Fund	\$5,428,536	\$5,802,015	\$6,474,082	\$6,668,305
General Reserve Sub-Fund	\$5,428,536	\$5,802,015	\$6,474,082	\$6,668,305
Total Cash Reserve Requirement	\$10,857,073	\$11,604,032	\$12,948,165	\$13,336,610

Table 4.4. Summary of Compliance with Indenture and Financial Policy – Debt Service Coverage

Indenture and Financial Policy Compliance	Adopted FY2024	Proposed FY2025	Estimated FY2026	Estimated FY2027
Wastewater Treatment Charges	\$53,672,299	\$60,420,321	\$63,513,841	\$66,670,479
Fairfax County Operating Expense Charge	\$12,796,021	\$12,838,293	\$13,223,632	\$13,620,534
Interest Income	\$115,000	\$900,000	\$900,000	\$900,000
Gross Revenue Available for Debt Service	\$66,583,320	\$74,158,614	\$77,637,473	\$81,191,014
Operating Expenses	\$(33,023,593)	\$(35,295,594)	\$(36,354,461)	\$(37,445,095)
Net Revenues Available for Debt Service	\$33,059,727	\$38,863,021	\$41,283,012	\$43,745,918
Total Annual Debt Service	\$16,448,494	\$23,582,210	\$21,134,989	\$20,889,716
All-in Debt Service Coverage	2.02x	1.65x	1.96x	2.10x

The following fund statements, organized in accordance with the terms mandated in Article VII of the Indenture, are included as Appendix B to this document and provide additional detail for the three (3) year budget forecast:

- Revenue Fund Statement
- Fairfax County Contributions
- Operating Fund Statement
- Parity Debt Service Fund Statement
- IRR Fund Statement – Joint Use Facilities Account
- IRR Fund Statement – General Account
- General Fund Statement

5 Determining Rates, Charges, and Revenues

For more than nineteen years, AlexRenew has employed rate modeling to analyze, evaluate, and implement an annual and long-term fee structure to support the financial obligations of the organization. AlexRenew has engaged an independent, third-party consultant to develop and monitor a rate model designed specifically for AlexRenew. This model is used to manage revenue performance in the current year and to forecast revenue requirements, based on anticipated operating and capital costs, each year over a 10-year time horizon.

In addition to rate modeling, the Board has adopted a strong financial policy to guide the approach to setting rates and maintaining a sustainable financial position. This policy targets key financial metrics, represents best practices, and ensures AlexRenew maintains cost-efficient operations while delivering superior public services for AlexRenew's customers and community.

5.1 The Rate Modeling Process

Rate consultants review and update the AlexRenew rate model annually, upon completion and acceptance of AlexRenew's audited financial statements, and more frequently as necessary. This process, and the model, is heavily data-driven and uses historical and projected data comprised of billing statistics, historical financial data, the current budget, and capital plan forecasts. The rate consultants perform comprehensive due diligence exercises to validate all information provided by AlexRenew and obtained from other relevant sources. Once validation is complete, the rate consultants review their findings with AlexRenew leadership to discuss observed historical trends, comparison with prior forecasts, current projections, and adjustments for known conditions, such as contingency.

The projected revenues, and assumptions of additional debt and capital funding, are evaluated relative to AlexRenew's annual cash flow requirements and likely financial position at year-end. This iterative process allows AlexRenew and its rate consultants to examine how subtle changes to rates or assumptions today have the potential to materially influence financial position across the forecast. It also allows for sensitivity analysis and the ability to examine AlexRenew's financial profile under various hypothetical scenarios, which is instructive to management and provides a stronger basis for recommending the timing and magnitude of potential rate adjustments.

As a single, dominant revenue source that accounts for over 80 percent of operating revenues, the Wastewater Treatment Charges are critical to the funding of current operations and long-term financial viability. As a result, it is imperative to combine a thorough understanding of the rate modeling process, strict adherence to the terms of the Indenture, faithfulness to AlexRenew's financial policy, and the needs of the community when establishing rates and charges.

5.2 Rate Growth Assumptions

AlexRenew has historically modeled growth in Wastewater Treatment Charges of approximately 0.50-2.00 percent and Fairfax County Operating Expense Charges of approximately 1.00-3.00 percent when determining rates and revenues over the forecast period.

5.3 Expenditure Growth Assumptions

AlexRenew has historically used consumer price index (CPI) to evaluate costs over the forecast period and has commonly assumed an inflation range of 2.0-5.0 percent.

5.4 Revenue Forecast Assumptions

Starting in FY2020, AlexRenew began implementing a multi-year phased rate increase initiative, primarily to fund capital expenditures including the RiverRenew program. The revenue assumptions included in this budget include annual rate increases that are adopted for FY2025, as further described in section 5.5.

5.5 Rate and Charges

The following schedule details the monthly rates and charges for all individually metered residential customers and commercial customers discharging sewage to and/or requiring wastewater treatment service from AlexRenew. Commercial wastewater customers include all commercial, industrial, government and other public agencies, master-metered residential, and all other accounts or customers not otherwise classified as individually metered residential customers.

A wastewater customer's monthly bill for wastewater interception, treatment, and discharge services is based on the sum of their: (1) base charge and (2) wastewater treatment charge, as determined by water meter readings conducted by Virginia American Water, at the customer premise. The base charge serves as the minimum monthly bill for sewer service for all customers served by AlexRenew.

The rate for FY2025 is projected to increase the average bill by approximately \$2.72/month in each year (based on 4,000 gallons monthly usage). Based on current projections, these rate adjustments will allow AlexRenew to maintain its fiscal profile while funding the budget and capital program herein. Table 5.1 details adopted rates for FY2024 and FY2025.

Table 5.1. Adopted FY2025 Rate Adjustments

Description	Meter Size	Current FY2024 Monthly Charge	Adopted FY2025 Monthly Charge
Residential Base Charge	All Meters	\$13.85	\$14.57
Commercial Base Charge	5/8"	\$41.55	\$43.68
	3/4"	\$41.55	\$43.68
	1"	\$103.87	\$109.19
	1-1/2"	\$207.74	\$218.38
	2"	\$332.39	\$349.41
	3"	\$623.23	\$655.14
	4"	\$1,038.72	\$1,091.90
	6"	\$2,077.43	\$2,183.80
	8"	\$3,323.89	\$3,494.08
Wastewater Treatment Charge	All Meters	\$9.76	\$10.26

6 10-Year Capital Improvement and IRR Programs

AlexRenew manages its capital projects through its CIP and IRR Program. The CIP and IRR Program are summarized in a 10-year plan and is a key element in planning for and managing to future regulatory compliance through large-scale capital investments. AlexRenew's 10-year CIP and IRR program budget for FY2025-2034 is \$878.1 million.

The 10-year plan is an important tool used to formulate future project financing plans, maximize federal and state grant opportunities, proactively plan for the replacement or reconstruction of essential assets nearing the end of their service life, and schedule and coordinate the execution of multiple projects to minimize operational impact.

In addition to RiverRenew, the Solids Upgrade Program, the PPSU project, the Tertiary System Upgrade project, and the IT Infrastructure Upgrades project, highlights of the FY2025-2034 CIP include:

- **Holmes Run Trunk Sewer (HRTS) Rehabilitation Project.** A project to line the HRTS to improve conveyance.
- **Campus-wide Electrical Upgrades Program Project.** A program to overhaul AlexRenew's wastewater treatment plant's electrical grid and related infrastructure.
- **Commonwealth Interceptor Upgrade Project.** A project to evaluate alternatives, in coordination with the City of Alexandria, to mitigate excess inflow and infiltration into the Commonwealth Separate Sanitary Area.
- **Potomac Interceptor Rehabilitation Project.** A project to rehabilitate sections of the interceptor to improve conveyance.
- **4 MGD Expansion Project.** A project to identify and implement improvements to increase the capacity of AlexRenew's wastewater treatment plant by four (4) million gallons per day to accommodate future City flows.
- **Climate Change Adaptation Project.** A project to assess vulnerabilities to climate change impacts and implement engineering solutions to protect AlexRenew assets and personnel.
- **HVAC System Upgrade Project.** A project to assess, replace and upgrade the HVAC systems across AlexRenew's campus.

Tables C.1 and C.2 in Appendix C summarize the 10-year CIP expenses. Additionally project sheets for each major CIP project and IRR program are provided in Appendix C.

Funding sources for CIP/IRR projects include loans, grants, revenue bond issues, bank lines of credit, capital contributions from Fairfax County, and cash contributions from AlexRenew's operations and reserves (PAYGO). AlexRenew has used loan program including the Virginia Department of Environmental Quality (VDEQ) Clean Water Revolving Loan Fund (CWRLF), Virginia Pooled Financing Program (VPFP), and Water Infrastructure Finance and Innovation Act (WIFIA) program.

Additional details on the loans can be found under the detailed Parity Debt Service Fund statement in Appendix B. Figure 6.1 illustrates the proposed capital expenditures and planned capital funding sources over the 10-year period including the continued significant debt financing to be utilized to fund the high level of ongoing RiverRenew construction.

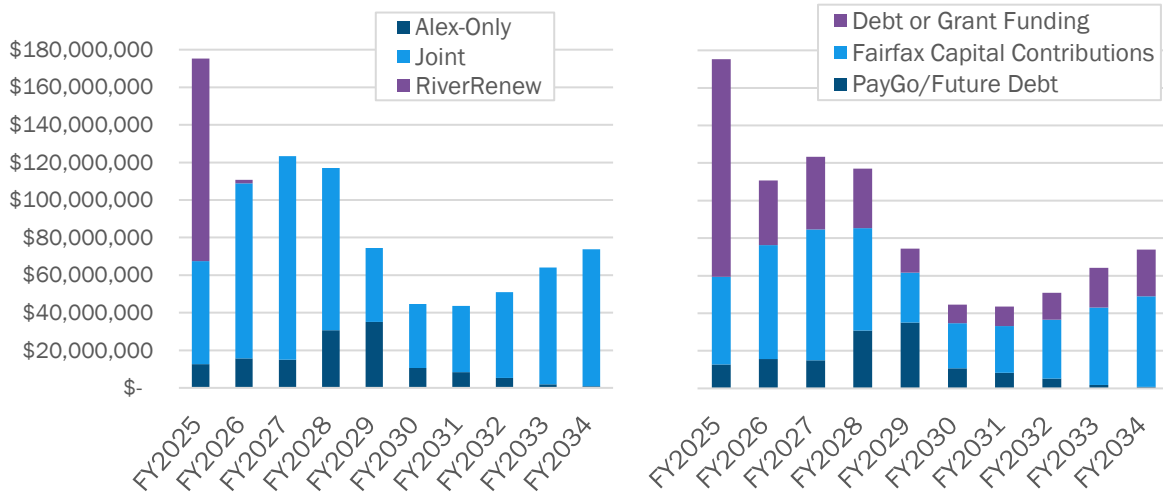


Figure 6.1. Proposed CIP/IRR Expenditures and Funding – 10-year Forecast

Table 6.1 provides further detail on the anticipated funding sources for the 10-year CIP.

Table 6.1. Summary of Anticipated Funding Sources for the 10-year CIP

Funding Sources	Prop. FY25	Est. FY26	Est. FY27	Est. FY28	Est. FY29	Est. FY30	Est. FY31	Est. FY32	Est. FY33	Est. FY34	10-year Total
Operating Revenue	\$14.4	\$21.8	\$17.4	\$34.1	\$39.5	\$15.0	\$13.0	\$10.3	\$7.1	\$7.1	\$179.7
Fairfax IRR Contributions	\$3.9	\$4.1	\$9.2	\$4.9	\$4.6	\$4.6	\$4.6	\$4.6	\$4.6	\$4.6	\$49.7
Fairfax Capital Contributions	\$36.9	\$50.5	\$58.0	\$46.3	\$17.7	\$15.0	\$15.6	\$21.7	\$31.5	\$37.3	\$330.5
Debt/Grant	\$113.3	\$24.8	\$36.6	\$29.6	\$10.6	\$7.9	\$8.3	\$12.4	\$18.9	\$22.8	\$285.2
Interest Income	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$0.1	\$1.0
PAYGO	\$6.6	\$9.5	\$2.1	\$2.0	\$2.0	\$2.0	\$2.0	\$2.0	\$2.0	\$2.0	\$32.2
Total Estimated CIP Funding	\$175.2	\$110.8	\$123.4	\$117.0	\$74.4	\$44.7	\$43.6	\$51.0	\$64.1	\$73.8	\$878.1

The CIP and related funding strategies comply with all relevant AlexRenew financial policies including the required 15 percent PAYGO funding requirement and sufficient projected net revenues to produce coverage of debt service requirements in excess of the 1.5x policy minimum.

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Appendix A Definitions

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IRR. Improvement, Renewal, and Replacement

CIP. Capital Improvement Program

CPI. Consumer Price Index

Operating Revenues. Rates collected from Alexandria customers and Fairfax County's payments for AlexRenew's day-to-day operations

Fairfax IRR and Capital Contributions. Fairfax County's payments for AlexRenew's capital and IRR programs

Debt Proceeds Cash disbursed from loans and grants to fund capital projects

Operating Expenses. Costs associated with day-to-day operation of wastewater treatment and other AlexRenew facilities

Debt Service. Payments on outstanding debt

Capital Outlay. Costs associated with RiverRenew and other capital projects

Capital Project. A capital project involves expenditures to construct or acquire assets of a relatively permanent nature such as property, plant, and equipment with a useful life that exceeds approximately two years.

IRR Project. A capital project involves expenditures to construct or acquire assets of a relatively permanent nature such as property, plant, and equipment with a useful life that exceeds approximately two years.

Alex-Only CIP. Capital projects that are the responsibility of AlexRenew only are funded from General Fund resources and/or using various financing instruments.

Joint-Use CIP. Capital projects for which AlexRenew and Fairfax County share joint responsibility are funded pay-as-you-go from General Fund resources and/or using various financing instruments.

PAYGO. Pay-as-you-go. Capital projects for which AlexRenew and Fairfax County share joint responsibility are funded via PAYGO from General Fund resources and/or using various financing instruments.

WRRF. Water Resource Recovery Facility.

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Appendix B Three (3) Year Budget Forecast – Fund Statements

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Revenue Fund Statement

AlexRenew's Indenture establishes nine (9) funds into which monies may be deposited to manage operating and maintenance, non-operating, and capital obligations. The collection and deposit of monies typically occurs monthly at specified times and in specified amounts, and in a prescribed order of priority.

AlexRenew is required to collect and deposit Revenues, as defined in the Indenture, in the Revenue Fund and make monthly transfers to each of its actively managed funds. Deposits to the Revenue Fund do not include Fairfax County IRR payments or Capital Contributions. These dollars are deposited by Fairfax County directly into the Joint Use Facilities Account of the IRR Fund or the Project or General Funds for capital outlay reimbursements, as appropriate.

Table B.1 presents adopted and estimated revenues expected to be received by AlexRenew for the period FY2025-2027. In addition, planned revenue transfers to various operating and non-operating funds are provided to highlight the use or purpose of the funds.

Table B.1. Revenue Fund Summary

Revenues and Transfers to Revenue Fund	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Revenues					
AlexRenew Wastewater Treatment Charges	\$ 53,672,299	\$ 60,420,321	12.6%	\$ 63,513,841	\$ 66,670,479
Fairfax County Operating Expense Charge	12,796,021	12,838,293	0.3%	13,223,632	13,620,534
Total Revenues	\$ 66,468,320	\$ 73,258,614	10.2%	\$ 76,737,473	\$ 80,291,014
Transfers					
Transfer to Operating Fund ¹	\$ 33,890,180	\$ 35,600,197	5.0%	\$ 36,668,202	\$ 37,768,249
Transfer to Parity Debt Service Fund	16,358,494	22,682,210	38.7%	20,234,989	19,989,716
Transfer to IRR Fund - Joint Use Facilities Account	2,581,224	2,704,353	4.8%	2,827,481	6,357,662
Transfer to IRR Fund - General Account	166,000	1,822,000	997.6%	469,760	708,941
Transfer to General Fund	13,472,422	10,449,855	-22.4%	16,537,041	15,466,446
Total Uses	\$ 66,468,321	\$ 73,258,615	10.2%	\$ 76,737,474	\$ 80,291,013

¹ Includes entire Fairfax County Operating Expense Charge

Fairfax County Contributions

Table B.2 presents the summary of Fairfax County contributions for the period FY2025-2027 and demonstrates the method by which Fairfax County annual payments and contributions are determined based on the capacity rights Fairfax County currently receives under the Fairfax County Service Agreement. Fairfax County currently makes equal monthly Operating Expense charge installments into the Revenue Fund, equal monthly contributions into the Joint Use Facilities Account of the IRR Fund, and variable monthly capital contributions (formulaic reimbursements based actual capital expenditures) into the Project Fund.

Table B.2. Fairfax County Contributions Summary

Fairfax County Contributions	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Operating Expense Charge					
Total Estimated Operating Expenses	\$ 33,023,593	\$ 35,295,594	6.9%	\$ 36,354,461	\$ 37,445,095
Less Estimated "Alexandria Only" Expenses	(4,546,660)	(4,683,060)	3.0%	(4,823,552)	(4,968,258)
Net Estimated Joint Operating Expenses	\$ 28,476,933	\$ 30,612,534	7.5%	\$ 31,530,910	\$ 32,476,837
Estimated Fairfax County Net Flow	45.0%	42.0%		42.0%	42.0%
Estimated Fairfax County Operating Expense Charge	12,814,620	12,857,264	0.3%	13,242,982	13,640,272
Less Alexandria Only Flow Charge	(18,599)	(18,971)	2.0%	(19,350)	(19,737)
Estimated Fairfax County Operating Expense Charge	\$ 12,796,021	\$ 12,838,293	0.3%	\$ 13,223,632	\$ 13,620,534
IRR Fund - Joint Account Contribution:					
Estimated Joint Use Plant Investment	\$ 900,699,169	\$ 943,664,099	4.8%	\$ 986,629,029	\$ 1,047,606,178
Estimated Joint Use IRR Funding Percentage	0.7%	0.7%	0.0%	0.7%	0.7%
Additional Transfers					\$ 8,195,974
Estimated Joint Use IRR Investment	\$ 6,304,894	\$ 6,605,649	4.8%	\$ 6,906,403	\$ 15,529,218
Investment Allocation at 60%	\$ 5,863,552	\$ 6,143,253	4.8%	\$ 6,422,955	\$ 14,442,172
Investment Allocation at 49%	378,294	396,339	4.8%	414,384	931,753
Investment Allocation at 32%	63,049	66,056	4.8%	69,064	155,292
Total IRR - Joint Account Investment	\$ 6,304,894	\$ 6,605,649	4.8%	\$ 6,906,403	\$ 15,529,218
Fairfax County Allocation at 60%	\$ 3,518,131	\$ 3,685,952	4.8%	\$ 3,853,773	\$ 8,665,303
Fairfax County Allocation at 49%	185,364	194,206	4.8%	203,048	456,559
Fairfax County Allocation at 32%	20,176	21,138	4.8%	22,100	49,693
Total Fairfax County IRR - Joint Account Contribution	3,723,671	3,901,296	4.8%	4,078,922	9,171,556
AlexRenew Joint IRR Contribution	2,581,224	2,704,353	4.8%	2,827,481	6,357,662
Capital Project Contribution - Joint Use Facilities:					
Estimated Joint Capital Improvements at 60%/40%	\$ 29,182,521	\$ 44,160,000	51.3%	\$ 82,190,000	\$ 95,875,200
Fairfax County Allocation at 60%	17,509,513	26,496,000	51.3%	49,314,000	57,525,120
Estimated Joint Capital Improvements at 49%/51%	2,000,000	750,000	-62.5%	810,000	874,800
Fairfax County Allocation at 49%	980,000	367,500	-62.5%	396,900	428,652
Estimated Joint Capital Improvements RiverRenew	92,540,093	64,083,402	-30.8%	8,379,997	-
Fairfax County Allocation ¹	14,206,617	9,988,276	-29.7%	745,429	-
Estimated Joint Capital Improvements at 32%/68%	-	-	0.0%	-	300,000
Fairfax County Allocation at 32%	-	-	0.0%	-	96,000
Total Fairfax County Capital Contribution	32,696,130	36,851,776	12.7%	50,456,329	58,049,772
Total Fairfax County Contributions	\$ 49,215,821	\$ 53,591,365	8.9%	\$ 67,758,882	\$ 80,841,862

¹ Fairfax County allocation based on Contractor Schedule of Values (Rev 1)

Operating Fund Statement

The Operating Fund is primarily funded with Wastewater Treatment Charges and is used for expenses incurred in the day-to-day operations. These are expected expenses that happen daily, weekly, or monthly. These expenses include personnel, utilities, chemicals, maintenance, sewage disposal, sludge disposal, and other administrative expenses. The schedule below presents adopted and estimated Operating Fund revenue and expenses expected by AlexRenew for the period FY2025-2027.

The Operating Fund estimates in Table B.3 are in compliance with the financial policy to maintain a combined 120 days of reserves which includes 60 days in the Operating Fund.

Table B.3. Operating Fund Summary

Operating Expenses Categories	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Revenues					
Transfer from Revenue Fund	\$ 33,890,180	\$ 35,600,197	5.0%	\$ 36,668,202	\$ 37,768,249
Interest Income	10,000	100,000	900.0%	100,000	100,000
Total	\$ 33,900,180	\$ 35,700,197	5.3%	\$ 36,768,202	\$ 37,868,249
Expenses					
Personnel	\$ 16,094,350	\$ 17,210,991	6.9%	\$ 17,727,321	\$ 18,259,140
Utilities	4,238,000	4,248,000	0.2%	4,375,440	4,506,703
Chemicals	3,347,500	3,571,000	6.7%	3,678,130	3,788,474
Operation Maintenance	1,145,250	1,581,255	38.1%	1,628,693	1,677,553
Arlington Sewage Disposal	1,528,443	1,800,000	17.8%	1,854,000	1,909,620
Sludge Disposal	1,298,000	1,362,000	4.9%	1,402,860	1,444,946
General, Admin, Cust. Service and Other	5,372,050	5,522,348	2.8%	5,688,018	5,858,659
Total	\$ 33,023,593	\$ 35,295,594	6.9%	\$ 36,354,461	\$ 37,445,095
Excess (Deficiency) ¹	\$ 876,587	\$ 404,603		\$ 413,741	\$ 423,153
Fund Balance - Beginning	\$ 5,004,326	\$ 5,880,913		\$ 6,285,516	\$ 6,699,257
Fund Balance - Ending ¹	\$ 5,880,913	\$ 6,285,516		\$ 6,699,257	\$ 7,122,410

¹ Operating Reserve Requirement of 60 days cash

Parity Debt Service Fund Statement

The Parity Debt Service Fund includes the amounts due to pay principal and interest on outstanding and projected AlexRenew debt. To date, AlexRenew has borrowed from the Virginia Clean Water Revolving Loan Fund (CWRLF) and Virginia Pooled Financing Program (VPFP) through the Virginia Resources Authority (VRA) as well as through the federal Water Infrastructure Finance and Innovation Act (WIFIA) loan program. In FY2025, AlexRenew proposes to issue its own bonds to fund upcoming capital projects. Within the context of the Indenture, capital funding in this manner is deemed parity debt. Table B.4 illustrates the debt service payment schedule for FY2025-2027 which includes repayment on proposed AlexRenew bonds.

Table B.4. Parity Debt Service Fund Summary

Parity Debt Service Fund	Adopted FY2024	Proposed FY2025	Estimated FY2026	Estimated FY2027
Revenues				
Beginning Balance	\$ 0	\$ (0)	\$ (0)	\$ 0
Transfer from Revenue Fund	16,358,494	22,857,210	20,409,989	20,164,716
Interest Income	90,000	725,000	725,000	725,000
Total Revenue	16,448,494	23,582,210	21,134,988	20,889,716
Expenditures				
VRA BOND SERIES 00B INTEREST	\$ -	\$ -	\$ -	\$ -
VRA BOND SERIES 00B PRINCIPAL	-	-	-	-
VRA BOND SERIES 04 INTEREST	17,646	3,543	-	-
VRA BOND SERIES 04 PRINCIPAL	1,406,766	708,669	-	-
VRA BOND SERIES 06 INTEREST	30,038	20,798	12,979	5,589
VRA BOND SERIES 06 PRINCIPAL	921,769	830,185	737,180	744,570
VRA BOND SERIES 09 INTEREST	152,554	129,186	105,178	80,512
VRA BOND SERIES 09 PRINCIPAL	853,324	876,692	900,700	925,366
VRA BOND SERIES 11 INTEREST	110,856	101,157	91,277	81,063
VRA BOND SERIES 11 PRINCIPAL	410,353	420,053	429,982	440,146
VRA BOND SERIES 14A INTEREST	104,513	96,566	88,520	80,373
VRA BOND SERIES 14A PRINCIPAL	633,758	641,705	649,751	657,899
VRA BOND SERIES 14B INTEREST	19,333	17,792	16,231	14,652
VRA BOND SERIES 14B PRINCIPAL	128,117	128,859	130,410	132,771
VRA BOND SERIES 14C INTEREST	827,019	811,772	795,756	775,714
VRA BOND SERIES 14C PRINCIPAL	290,000	305,000	320,000	490,000
VRA BOND SERIES 17A INTEREST	862,534	830,759	797,319	762,084.00
VRA BOND SERIES 17A PRINCIPAL	605,000	635,000	670,000	705,000.00
VRA BOND SERIES 19 INTEREST	112,970	66,347	65,768	63,018
VRA BOND SERIES 19 PRINCIPAL	100,000	101,000	267,000	133,500
VRA BOND SERIES 21 INTEREST	3,597,117	2,441,500	2,331,641	2,241,093
VRA BOND SERIES 21 PRINCIPAL	5,264,825	8,451,600	6,892,503	6,565,960
WIFIA BOND SERIES 21 INTEREST	-	1,516,500	1,530,168	1,529,135
WIFIA BOND SERIES 21 PRINCIPAL	-	-	36,627	191,272
ALEXRENEW BOND SERIES 24 INTEREST	-	3,477,528	3,246,000	3,195,000
ALEXRENEW BOND SERIES 24 PRINCIPAL	-	970,000	1,020,000	1,075,000
Total Expenses	\$ 16,448,494	\$ 23,582,210	\$ 21,134,989	\$ 20,889,716
Total Interest	5,834,582	9,513,447	9,080,837	8,828,233
Total Principal	10,613,912	14,068,763	12,054,152	12,061,484

IRR Fund Statement – Joint Use Facilities Account

The IRR Fund – Joint Use Facilities Account funds the project costs associated with the upgrade of infrastructure and equipment for the portions of the facility used jointly by the City and Fairfax County.

As noted in the accompanying schedule, contributions to the Joint Use Facilities Account are made annually by both AlexRenew and Fairfax County in a combined amount equal to 0.7 percent of AlexRenew’s estimated joint capital asset value. Fairfax County’s portion of the total contribution is also based on the allocation percentages detailed on page B-4 and affirmed in the Fairfax County Service Agreement. Table B.5 illustrates IRR-Joint project expenses for FY2025-2027 that are necessary for ongoing AlexRenew’s asset repairs and improvements.

Table B.5. IRR Fund – Joint Use Facilities Account Summary

IRR Fund - Joint Use Facilities Account	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Revenues					
Revenue Fund Transfer	\$ 2,581,224	\$ 2,704,353	4.8%	\$ 2,827,481	\$ 6,357,662
Fairfax County Contribution	3,723,671	3,901,296	4.8%	4,078,922	9,171,556
Total Revenues	\$ 6,304,894	\$ 6,605,649	4.8%	\$ 6,906,403	\$ 15,529,218
Expenses					
Campus Wide Projects	\$ 2,400,000	\$ 2,500,000	4.2%	\$ 3,108,000	\$ 5,648,339
Collection System Projects	\$ 15,000	\$ 100,000	566.7%	\$ 108,000	\$ 116,640
Information Technology Projects	\$ 300,000	\$ 500,000	66.7%	\$ 500,000	\$ 500,000
Compliance Laboratory	\$ 50,000	\$ 10,000	-80.0%	\$ 10,800	\$ 11,664
Preliminary / Primary Infrastructure	\$ 85,648	\$ 250,000	191.9%	\$ 270,000	\$ 291,600
Secondary Infrastructure	\$ 2,000,000	\$ 1,500,000	-25.0%	\$ 1,500,000	\$ 1,620,000
Solids Infrastructure	\$ 1,000,000	\$ 1,000,000	0.0%	\$ 1,080,000	\$ 1,166,400
Tertiary Infrastructure	\$ 2,252,100	\$ 1,763,900	-21.7%	\$ 1,776,000	\$ 683,500
Odor Control System	\$ -	\$ 500,000		\$ -	\$ 500,000
Power Distribution Monitors	\$ -	\$ 30,000		\$ 30,000	\$ 30,000
West Campus Projects	\$ 1,000,000	\$ 750,000	-25.0%	\$ 810,000	\$ 874,800
Safety and Security	\$ 1,050,000	\$ 1,030,000	-1.9%	\$ 1,030,000	\$ 200,000
Building Exteriors	\$ 500,000	\$ -	-100.0%	\$ -	\$ -
Joint IRR Expenses	\$ 10,652,748	\$ 9,933,900	-6.7%	\$ 10,222,800	\$ 11,642,943
Excess (Deficiency)	\$ (4,347,854)	\$ (3,328,251)		\$ (3,316,397)	\$ 3,886,275
Fund Balance - Beginning	\$ 7,106,227	\$ 2,758,373		\$ (569,878)	\$ (3,886,275)
Fund Balance - Ending	\$ 2,758,373	\$ (569,878)		\$ (3,886,275)	\$ -

IRR Fund Statement – General Account

The IRR Fund – General Account funds the project costs associated with the upgrade of infrastructure and equipment for the portions of the facility used for the benefit of the City only.

Contributions to the General Account are made annually for projects AlexRenew determines are necessary to maintain the safe and effective operation for collection system and Alex-only campus needs. Table B.6 illustrates IRR - Alex-Only project expenses for FY2025-2027 necessary for continued improvement, rehabilitation, and replacement associated with Alex-only assets.

Table B.6. IRR Fund – General Account Summary

IRR Fund - General Account	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Revenues					
Revenue Fund Transfer	\$ 166,000	\$ 1,822,000		\$ 469,760	\$ 708,941
Total Revenue	\$ 166,000	\$ 1,822,000	997.6%	\$ 469,760	\$ 708,941
Expenses					
Campus Wide Projects	\$22,000	\$22,000	0.0%	\$23,760	\$25,661
Collection System Projects	\$144,000	\$1,800,000	1150.0%	\$446,000	\$683,280
Total Expenses	\$ 166,000	\$ 1,822,000	997.6%	\$ 469,760	\$ 708,941

General Fund Statement

The General Fund is the repository of funds remaining after deposits to all other Funds are made and may be used for any lawful purpose of AlexRenew. AlexRenew uses the General Fund to finance Alexandria-only capital improvements, contribute PAYGO (cash) funding to the joint capital program, manage unanticipated expenditures, and maintain sufficient reserves to promote ongoing financial strength.

The General Fund balance is projected to decrease to \$494,454 through FY2025, with a projected balance of \$34.1 million. Table B.7 illustrates the General Fund balance for the period FY2025-2027 and includes demonstration of financial policy compliance to maintain 60 days of cash reserves in the General Reserve Sub-Fund.

Table B.7. General Fund Summary

General Fund	Adopted FY2024	Proposed FY2025	VAR %	Estimated FY2026	Estimated FY2027
Revenues					
Revenue Fund Transfer	\$ 13,472,422	\$ 10,274,855	-24%	\$ 16,362,041	\$ 15,291,446
Interest Income	15,000	75,000	400%	75,000	75,000
Total Revenues	\$ 13,487,422	\$ 10,349,855	-23.3%	\$ 16,437,041	\$ 15,366,446
Expenses					
Alex-only General Capital Expenses	\$ 8,183,100	\$ 10,844,400	32.5%	\$ 15,190,000	\$ 14,266,800
Transfer to Joint CIP Project Fund	1,887,098	0	-100.0%	0	0
Total Expenses	\$ 10,070,198	\$ 10,844,400	7.7%	\$ 15,190,000	\$ 14,266,800
Fund Balance Increase (Decrease)	\$ 3,417,225	\$ (494,545)		\$ 1,247,041	\$ 1,099,646
Fund Balance - Beginning	\$ 36,964,336	\$ 40,381,560		\$ 39,887,016	\$ 41,134,057
Fund Balance - Ending	\$ 40,381,560	\$ 39,887,016		\$ 41,134,057	\$ 42,233,703
General Reserve sub-Fund ¹	\$ (5,428,536)	\$ (5,802,015)		\$ (5,976,076)	\$ (6,155,358)
Available Balance	\$ 34,953,025	\$ 34,085,000	-2.5%	\$ 35,157,981	\$ 36,078,345

¹ Additional Operating Reserve Requirement of 60 days cash per Board-approved financial policy

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Appendix C

**10-Year Capital Improvement and IRR Programs –
Summary and Project Sheets**

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Table C-1. FY2025-2034 10-year CIP/IRR Program – Summary

Summary of Expenditures		Adopted FY2024	Proposed FY2025	Est. FY2026	Est. FY2027	Est. FY2028	Est. FY2029	Est. FY2030	Est. FY2031	Est. FY2032	Est. FY2033	Est. FY2034	10-year Total
IRR Program	Alex-only IRR	\$0.17	\$1.82	\$0.47	\$0.71	\$0.33	\$0.34	\$0.35	\$0.36	\$0.37	\$0.38	\$0.39	\$5.51
	Joint IRR	\$10.65	\$9.93	\$10.22	\$11.64	\$8.23	\$8.93	\$9.00	\$9.26	\$9.51	\$9.78	\$10.78	\$97.28
	<i>Subtotal</i>	\$10.82	\$11.76	\$10.69	\$12.35	\$8.55	\$9.26	\$9.35	\$9.61	\$9.88	\$10.16	\$11.17	\$102.80
CIP – General	Alex-only CIP	\$8.18	\$10.84	\$15.19	\$14.27	\$30.39	\$34.77	\$10.27	\$7.96	\$4.96	\$1.46	\$0.46	\$130.58
	Joint CIP	\$31.18	\$44.91	\$83.00	\$96.75	\$78.10	\$30.40	\$25.05	\$26.05	\$36.15	\$52.50	\$62.20	\$535.11
	<i>Subtotal</i>	\$39.37	\$55.75	\$98.19	\$111.02	\$108.49	\$65.17	\$35.32	\$34.01	\$41.11	\$53.96	\$62.66	\$665.69
CIP – RiverRenew	RiverRenew Tunnel Project	\$162.28	\$107.70	\$1.90	-	-	-	-	-	-	-	-	\$109.60
	<i>Subtotal</i>	\$162.28	\$107.70	\$1.90	-	-	-	-	-	-	-	-	\$109.60
Total CIP/IRR Program		\$212.46	\$175.21	\$110.78	\$123.37	\$117.05	\$74.44	\$44.67	\$43.62	\$50.99	\$64.12	\$73.83	\$878.08

Table C-2. FY2025-2034 10-year CIP/IRR Program – Detailed Expenses

Projects	Total Project	Prior Years	Proposed FY2025	Estimated FY2026	Estimated FY2027	Estimated FY2028	Estimated FY2029	Estimated FY2030	Estimated FY2031	Estimated FY2032	Estimated FY2033	Estimated FY2034	10-year Total
IRR Program													
Alex-only IRR													
IRR: Campus Wide Projects	\$ 0.31	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.28
IRR: Collection System Projects	\$ 5.37	\$ 0.14	\$ 1.80	\$ 0.45	\$ 0.68	\$ 0.30	\$ 0.31	\$ 0.32	\$ 0.33	\$ 0.34	\$ 0.35	\$ 0.36	\$ 5.23
Alex-only IRR Subtotal	\$ 5.68	\$ 0.17	\$ 1.82	\$ 0.47	\$ 0.71	\$ 0.33	\$ 0.34	\$ 0.35	\$ 0.36	\$ 0.37	\$ 0.38	\$ 0.39	\$ 5.51
Joint IRR													
IRR: Campus-Wide Projects	\$ 29.53	\$ 2.90	\$ 2.50	\$ 3.11	\$ 5.65	\$ 1.38	\$ 1.92	\$ 2.27	\$ 2.34	\$ 2.41	\$ 2.49	\$ 2.56	\$ 26.63
IRR: West Campus Projects	\$ 10.67	\$ 1.00	\$ 0.75	\$ 0.81	\$ 0.87	\$ 0.94	\$ 0.97	\$ 1.00	\$ 1.03	\$ 1.06	\$ 1.10	\$ 1.13	\$ 9.67
IRR: Preliminary and Primary Infrastructure	\$ 3.31	\$ 0.09	\$ 0.25	\$ 0.27	\$ 0.29	\$ 0.31	\$ 0.32	\$ 0.33	\$ 0.34	\$ 0.35	\$ 0.37	\$ 0.38	\$ 3.22
IRR: Secondary Infrastructure	\$ 20.03	\$ 2.00	\$ 1.50	\$ 1.50	\$ 1.62	\$ 1.75	\$ 1.80	\$ 1.86	\$ 1.91	\$ 1.97	\$ 2.03	\$ 2.09	\$ 18.03
IRR: Tertiary Infrastructure	\$ 11.81	\$ 2.25	\$ 1.76	\$ 1.78	\$ 0.68	\$ 0.70	\$ 0.72	\$ 0.74	\$ 0.76	\$ 0.78	\$ 0.81	\$ 0.83	\$ 9.56
IRR: Solids Infrastructure	\$ 13.90	\$ 1.00	\$ 1.00	\$ 1.08	\$ 1.17	\$ 1.26	\$ 1.30	\$ 1.34	\$ 1.38	\$ 1.42	\$ 1.46	\$ 1.50	\$ 12.90
IRR: Odor Control System	\$ 3.75	\$ -	\$ 0.50	\$ -	\$ 0.50	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ 0.75	\$ 3.75
IRR: WRRF Safety and Security	\$ 4.97	\$ 1.05	\$ 1.03	\$ 1.03	\$ 0.20	\$ 0.22	\$ 0.22	\$ 0.23	\$ 0.24	\$ 0.24	\$ 0.25	\$ 0.26	\$ 3.92
IRR: Collection System Projects	\$ 1.30	\$ 0.02	\$ 0.10	\$ 0.11	\$ 0.12	\$ 0.13	\$ 0.13	\$ 0.13	\$ 0.14	\$ 0.14	\$ 0.15	\$ 0.15	\$ 1.29
IRR: Power Distribution Monitors	\$ 0.27	\$ -	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ 0.03	\$ -	\$ 0.27
IRR: Compliance Laboratory	\$ 0.18	\$ 0.05	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.02	\$ 0.13
IRR: Tunnel Cleaning/Inspection	\$ 2.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.55	\$ 0.57	\$ 0.58	\$ 0.60	\$ 0.62	\$ 2.92
IRR: Information Technology Projects	\$ 5.30	\$ 0.30	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 0.50	\$ 5.00
Joint IRR Subtotal	\$ 107.94	\$ 10.65	\$ 9.93	\$ 10.22	\$ 11.64	\$ 8.23	\$ 8.93	\$ 9.00	\$ 9.26	\$ 9.51	\$ 9.78	\$ 10.78	\$ 97.28
IRR Program Total	\$ 113.61	\$ 10.82	\$ 11.76	\$ 10.69	\$ 12.35	\$ 8.55	\$ 9.26	\$ 9.35	\$ 9.61	\$ 9.88	\$ 10.16	\$ 11.17	\$ 102.80
CIP - General													
Alex-only Capital Improvement Projects													
Commonwealth Interceptor Upgrade Project	\$ 72.15	\$ 4.40	\$ 1.65	\$ 4.81	\$ 6.16	\$ 22.55	\$ 27.77	\$ 4.81	\$ -	\$ -	\$ -	\$ -	\$ 67.75
Arlington County Capital Contributions	\$ 19.38	\$ 3.86	\$ 3.93	\$ 5.00	\$ 3.67	\$ 1.62	\$ 0.25	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 0.21	\$ 15.52
Potomac Interceptor Rehabilitation	\$ 14.76	\$ -	\$ 0.46	\$ 1.08	\$ 3.74	\$ 5.97	\$ 3.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14.76
Billing and Customer Information System	\$ 2.97	\$ 2.47	\$ 0.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.50
4 MGD WRRF Expansion	\$ 23.00	\$ -	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ 3.00	\$ 5.00	\$ 7.50	\$ 4.50	\$ 1.00	\$ -	\$ 23.00
Environmental Center 5th Floor Build-out	\$ 4.00	\$ 1.00	\$ 2.00	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.00
Environmental Center Lobby Upgrades	\$ 2.00	\$ -	\$ 0.50	\$ 1.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.00
Capital Financing Fees	\$ 2.20	\$ 0.50	\$ 0.25	\$ 0.25	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 1.70
Innovation District Pumping Station Support	\$ 1.05	\$ 0.45	\$ 0.20	\$ 0.20	\$ 0.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.60
Pump Stations and Service Chambers Condition Assessment	\$ 0.75	\$ -	\$ 0.25	\$ 0.25	\$ 0.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.75
Contingency on Alex-Only Funding	\$ 1.00	\$ -	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.10	\$ 1.00
Alex-only Capital Improvement Projects Subtotal	\$ 143.26	\$ 12.68	\$ 10.84	\$ 15.19	\$ 14.27	\$ 30.39	\$ 34.77	\$ 10.27	\$ 7.96	\$ 4.96	\$ 1.46	\$ 0.46	\$ 130.58

Table C-2. FY2025-2034 10-year CIP/IRR Program – Detailed Expenses (continued)

Projects	Total Project	Prior Years	Proposed FY2025	Estimated FY2026	Estimated FY2027	Estimated FY2028	Estimated FY2029	Estimated FY2030	Estimated FY2031	Estimated FY2032	Estimated FY2033	Estimated FY2034	10-year Total
Joint Capital Improvement Projects													
Solids Process Upgrades	\$ 252.00	\$ 4.76	\$ 8.90	\$ 29.70	\$ 41.00	\$ 23.20	\$ -	\$ -	\$ 0.50	\$ 14.60	\$ 36.50	\$ 43.20	\$ 197.60
Preliminary and Primary System Upgrades	\$ 84.52	\$ 3.57	\$ 12.40	\$ 20.20	\$ 20.60	\$ 18.80	\$ 5.95	\$ 2.00	\$ 1.00	\$ -	\$ -	\$ -	\$ 80.95
Tertiary System Upgrades	\$ 37.10	\$ 1.00	\$ 2.00	\$ 1.50	\$ 9.50	\$ 18.10	\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36.10
Information Technology Infrastructure Upgrades	\$ 24.50	\$ 14.00	\$ 6.00	\$ 2.50	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.50
Centrate Pretreatment Facility Improvements	\$ 13.00	\$ 0.50	\$ 1.00	\$ 1.50	\$ 5.00	\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12.50
Campus-wide Electrical Upgrade Program	\$ 80.00	\$ -	\$ 1.00	\$ 4.00	\$ 5.00	\$ 5.00	\$ 10.00	\$ 15.00	\$ 15.00	\$ 15.00	\$ 5.00	\$ 5.00	\$ 80.00
Buildings L and G Elevator Replacement	\$ 2.00	\$ -	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.00
Holmes Run Trunk Sewer Rehabilitation	\$ 14.50	\$ 0.20	\$ 2.00	\$ 12.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14.30
Warehouse and Inventory Upgrade	\$ 10.50	\$ 1.50	\$ 1.00	\$ -	\$ 2.00	\$ 5.00	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9.00
HMI Upgrade	\$ 4.92	\$ 3.26	\$ 1.40	\$ 0.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.66
Plantwide Sump and Drain System Updates	\$ 2.90	\$ 0.20	\$ -	\$ 0.20	\$ 0.50	\$ 0.50	\$ 1.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.70
Plant Effluent Water System Improvements	\$ 4.09	\$ -	\$ -	\$ 2.29	\$ 1.80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.09
NMF Wet Well Modifications	\$ 5.00	\$ -	\$ -	\$ 1.00	\$ -	\$ -	\$ 2.00	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 5.00
Secondary Settling Tanks Refurbishment	\$ 5.50	\$ -	\$ 1.50	\$ 2.00	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.50
Security Services During Construction	\$ 3.49	\$ 1.84	\$ 0.55	\$ 0.55	\$ 0.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.65
Security Upgrades	\$ 1.00	\$ -	\$ 1.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.00
Reclaimed Water System Upgrade	\$ 7.21	\$ -	\$ 0.16	\$ 1.00	\$ 1.05	\$ -	\$ 1.25	\$ 1.25	\$ 1.25	\$ 1.25	\$ -	\$ -	\$ 7.21
WRRF HVAC System Upgrade	\$ 14.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.00	\$ 2.50	\$ 5.50	\$ 2.50	\$ 1.50	\$ 0.50	\$ 14.50
Plantwide Chemical System Updates	\$ 9.00	\$ -	\$ 2.00	\$ 2.00	\$ 5.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9.00
South Carlyle Partnership	\$ 1.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.20	\$ 0.30	\$ 0.30	\$ 0.30	\$ -	\$ -	\$ 1.10
North Bridge Structural Upgrades	\$ 10.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.50	\$ 1.00	\$ 1.00	\$ 3.00	\$ 5.00	\$ 10.50
Climate Change Resiliency Program	\$ 13.50	\$ 0.25	\$ 0.50	\$ 0.50	\$ 0.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.00	\$ 7.00	\$ 13.25
Contingency on Joint Funding	\$ 15.00	\$ -	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 1.50	\$ 15.00
Joint Capital Improvement Projects Subtotal	\$615.83	\$31.08	\$44.91	\$83.00	\$96.75	\$78.10	\$30.40	\$25.05	\$26.05	\$36.15	\$52.50	\$62.20	\$ 535.11
General CIP Total	\$ 759.09	\$ 43.76	\$ 55.75	\$ 98.19	\$ 111.02	\$ 108.49	\$ 65.17	\$ 35.32	\$ 34.01	\$ 41.11	\$ 53.96	\$ 62.66	\$ 665.69
CIP - RiverRenew Program													
RiverRenew Tunnel Project - Alex Only	\$83.10	\$65.50	\$17.20	\$0.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17.60
RiverRenew Tunnel Project - Joint	\$531.90	\$439.90	\$90.50	\$1.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92.00
RiverRenew Tunnel Project Total	\$ 615.00	\$505.40	\$ 107.70	\$ 1.90	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109.60
AlexRenew CIP Total	\$ 1,487.70	\$ 559.98	\$ 175.21	\$ 110.78	\$ 123.37	\$ 117.05	\$ 74.44	\$ 44.67	\$ 43.62	\$ 50.99	\$ 64.12	\$ 73.83	\$ 878.08

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Campus-Wide Projects (Alex-only)

Project Location:

Various Alex-only
infrastructure

Description: Any improvement, rehabilitation, and replacement projects designated as Alexandria-only

Justification: Provide funds for improvement, rehabilitation, and replacement projects associated with non-process Alexandria-only projects.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.02	\$0.02	\$0.02	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.28
Financing												
AlexRenew	\$0.02	\$0.02	\$0.02	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.28
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									-			

Note: Prior Year amount represents adopted FY2024 budget.

Collection System Projects

Project Location: Alex-only Facilities

Description: Continued improvement, rehabilitation, and replacement of Alex-only collection system assets such as interceptors and trunk sewers.

Justification: To maintain the full functionality and reliability of AlexRenew's collection system.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.14	\$1.80	\$0.45	\$0.68	\$0.30	\$0.31	\$0.32	\$0.33	\$0.34	\$0.35	\$0.36	\$5.23
Financing												
AlexRenew	\$0.14	\$1.80	\$0.45	\$0.68	\$0.30	\$0.31	\$0.32	\$0.33	\$0.34	\$0.35	\$0.36	\$5.23
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									-			

Note: Prior Year amount represents adopted FY2024 budget.

Campus-Wide Projects (Joint)

Project Location: WRRF – Campus-wide

Description: All improvement, rehabilitation, and replacement projects on infrastructure, equipment, and systems across campus.

Justification: To maintain the full functionality and reliability of campus-wide systems.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$2.40	\$2.50	\$3.11	\$5.65	\$1.38	\$1.92	\$2.27	\$2.34	\$2.41	\$2.49	\$2.56	\$26.63
Financing												
AlexRenew	\$0.96	\$1.00	\$1.24	\$2.26	\$0.55	\$0.77	\$0.91	\$0.94	\$0.97	\$0.99	\$1.02	\$10.65
Fairfax	\$1.44	\$1.50	\$1.86	\$3.39	\$0.83	\$1.15	\$1.36	\$1.41	\$1.45	\$1.49	\$1.54	\$15.98
Lifetime Total:										–		

Note: Prior Year amount represents adopted FY2024 budget.

West Campus Projects

Project Location: Environmental Center

Description: All improvement, rehabilitation, and replacement projects associated with the Environmental Center.

Justification: To maintain the full functionality of the Environmental Center.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Environmental Center (49% Fairfax County / 51% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.00	\$0.75	\$0.81	\$0.87	\$0.94	\$0.97	\$1.00	\$1.03	\$1.06	\$1.10	\$1.13	\$9.67
Financing												
AlexRenew	\$0.51	\$0.38	\$0.41	\$0.45	\$0.48	\$0.50	\$0.51	\$0.53	\$0.54	\$0.56	\$0.58	\$4.93
Fairfax	\$0.49	\$0.37	\$0.40	\$0.43	\$0.46	\$0.48	\$0.49	\$0.51	\$0.52	\$0.54	\$0.55	\$4.74
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

Description: All improvement, rehabilitation, and replacement projects associated with the preliminary and primary treatment systems.

Justification: To maintain the full functionality and reliability of the preliminary and primary treatment processes.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.09	\$0.25	\$0.27	\$0.29	\$0.31	\$0.32	\$0.33	\$0.34	\$0.35	\$0.37	\$0.38	\$3.22
Financing												
AlexRenew	\$0.04	\$0.10	\$0.11	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$1.29
Fairfax	\$0.05	\$0.15	\$0.16	\$0.17	\$0.19	\$0.19	\$0.20	\$0.21	\$0.21	\$0.22	\$0.23	\$1.93
Lifetime Total:										–		

Note: Prior Year amount represents adopted FY2024 budget.

Description:	All improvement, rehabilitation, and replacement projects associated with the secondary treatment systems.
Justification:	To maintain the full functionality and reliability of the secondary treatment processes.
Program:	Improvement, Renewal, and Replacement (IRR) Program
Cost Share Category:	Joint (60% Fairfax County / 40% AlexRenew)
Schedule:	Ongoing IRR program
Status:	Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$2.00	\$1.50	\$1.50	\$1.62	\$1.75	\$1.80	\$1.86	\$1.91	\$1.97	\$2.03	\$2.09	\$18.03
Financing												
AlexRenew	\$0.80	\$0.60	\$0.60	\$0.65	\$0.70	\$0.72	\$0.74	\$0.76	\$0.79	\$0.81	\$0.84	\$7.21
Fairfax	\$1.20	\$0.90	\$0.90	\$0.97	\$1.05	\$1.08	\$1.11	\$1.15	\$1.18	\$1.22	\$1.25	\$10.82
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

Description:	All improvement, rehabilitation, and replacement projects associated with the tertiary treatment systems.
Justification:	To maintain the full functionality and reliability of the tertiary treatment processes.
Program:	Improvement, Renewal, and Replacement (IRR) Program
Cost Share Category:	Joint (60% Fairfax County / 40% AlexRenew)
Schedule:	Ongoing IRR program
Status:	Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$2.25	\$1.76	\$1.78	\$0.68	\$0.70	\$0.72	\$0.74	\$0.76	\$0.78	\$0.81	\$0.83	\$9.56
Financing												
AlexRenew	\$0.90	\$0.71	\$0.71	\$0.27	\$0.28	\$0.29	\$0.30	\$0.30	\$0.31	\$0.32	\$0.33	\$3.82
Fairfax	\$1.35	\$1.06	\$1.07	\$0.41	\$0.42	\$0.43	\$0.44	\$0.46	\$0.47	\$0.48	\$0.50	\$5.74
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

Description: All improvement, rehabilitation, and replacement projects associated with the solids treatment systems.

Justification: To maintain the full functionality and reliability of the solids treatment processes.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.00	\$1.00	\$1.08	\$1.17	\$1.26	\$1.30	\$1.34	\$1.38	\$1.42	\$1.46	\$1.50	\$12.90
Financing												
AlexRenew	\$0.40	\$0.40	\$0.43	\$0.47	\$0.50	\$0.52	\$0.53	\$0.55	\$0.57	\$0.58	\$0.60	\$5.16
Fairfax	\$0.60	\$0.60	\$0.65	\$0.70	\$0.76	\$0.78	\$0.80	\$0.83	\$0.85	\$0.88	\$0.90	\$7.74
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

FY2025 Capital Budget
Odor Control System

Project Location: WRRF – Odor Control System

Description: All improvement, rehabilitation, and replacement projects associated with the plant odor control systems.

Justification: To maintain the full functionality and reliability of the plant odor control processes.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$0.50	-	\$0.50	\$1.00	\$1.00	-	-	-	-	\$0.75	\$3.75
Financing												
AlexRenew	-	\$0.20	-	\$0.20	\$0.40	\$0.40	-	-	-	-	\$0.30	\$1.50
Fairfax	-	\$0.30	-	\$0.30	\$0.60	\$0.60	-	-	-	-	\$0.45	\$2.25
Lifetime Total:									-			

Note: Prior Year amount represents adopted FY2024 budget.

WRRF Safety and Security

Project Location: WRRF – Campus-wide

Description: All improvement, rehabilitation, and replacement projects associated with safety systems at the plant.

Justification: To continuously improve the overall safety and security of AlexRenew employees, vendors, contractors, and visitors at the plant.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.05	\$1.03	\$1.03	\$0.20	\$0.22	\$0.22	\$0.23	\$0.24	\$0.24	\$0.25	\$0.26	\$3.92
Financing												
AlexRenew	\$0.42	\$0.41	\$0.41	\$0.08	\$0.09	\$0.09	\$0.09	\$0.09	\$0.10	\$0.10	\$0.10	\$1.57
Fairfax	\$0.63	\$0.62	\$0.62	\$0.12	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$0.15	\$2.35
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

Collection System Projects

Project Location: Joint Use Facilities

Description: All improvement, rehabilitation and replacement needs for collection system assets that serve both the City and Fairfax County to maintain their useful life

Justification: To maintain the full functionality and reliability of collection system.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.02	\$0.10	\$0.11	\$0.12	\$0.13	\$0.13	\$0.13	\$0.14	\$0.14	\$0.15	\$0.15	\$1.29
Financing												
AlexRenew	\$0.01	\$0.04	\$0.04	\$0.05	\$0.05	\$0.05	\$0.05	\$0.06	\$0.06	\$0.06	\$0.06	\$0.52
Fairfax	\$0.01	\$0.06	\$0.06	\$0.07	\$0.08	\$0.08	\$0.08	\$0.08	\$0.09	\$0.09	\$0.09	\$0.77
Lifetime Total:										–		

Note: Prior Year amount represents adopted FY2024 budget.

Power Distribution Monitors

Project Location: WRRF – Campus-wide

Description: All replacement, addition, and modernization of existing power monitors at the plant to renew obsolete power distribution monitor system.

Justification: To improve the functionality of the power distribution monitor system.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replace monitors as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.15	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	-	\$0.27
Financing												
AlexRenew	\$0.06	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	-	\$0.11
Fairfax	\$0.09	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	-	\$0.16
Lifetime Total:										–		

Note: Prior Year amount represents adopted FY2024 budget.

Compliance Laboratory

Project Location:

WRRF – Building G
Laboratory

Description: All improvement, rehabilitation, and replacement projects associated with the compliance laboratory.

Justification: To maintain the full functionality and reliability of the compliance laboratory.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.05	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.13
Financing												
AlexRenew	\$0.02	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.05
Fairfax	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.08
Lifetime Total:										–		

Note: Prior Year amount represents adopted FY2024 budget.

Tunnel Cleaning/Inspection

Project Location: RiverRenew Tunnel

Description: Inspection and cleaning to optimize the functionality of the RiverRenew tunnel

Justification: To ensure the reliability and performance of the tunnel

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	-	-	-	-	\$0.55	\$0.57	\$0.58	\$0.60	\$0.62	\$2.92
Financing												
AlexRenew	-	-	-	-	-	-	\$0.22	\$0.23	\$0.23	\$0.24	\$0.25	\$1.17
Fairfax	-	-	-	-	-	-	\$0.33	\$0.34	\$0.35	\$0.36	\$0.37	\$1.75
Lifetime Total:										-		

Note: Prior Year amount represents adopted FY2024 budget.

Information Technology Projects

Project Location:

WRRF – Campus-
Wide

Description: Ongoing lifecycle replacement and expansion of information technology (IT) assets.

Justification: To maintain the full functionality and reliability of AlexRenew's IT assets.

Program: Improvement, Renewal, and Replacement (IRR) Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Ongoing IRR program

Status: Replacements or repairs, as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.30	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$5.00
Financing												
AlexRenew	\$0.12	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$0.20	\$2.00
Fairfax	\$0.18	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$3.00
Lifetime Total:									–			

Note: Prior Year amount represents adopted FY2024 budget.

Commonwealth Interceptor Upgrade Project

Project Location:

Commonwealth
Interceptor

Description: The Commonwealth Interceptor is a separate sanitary sewer that collects flows from the Del Ray, Rosemont, and North Ridge neighborhoods (known as the Commonwealth Separate Sewer Area) in Alexandria. The interceptor has sufficient capacity to convey sanitary sewer flows to AlexRenew; however, during periods of intense rain, the Commonwealth Separate Sanitary Sewer Area (owned by the City) is overwhelmed by excess infiltration and inflow (I/I). This excess I/I can cause sewer flooding and basement backups. In coordination with the City, the project will identify and evaluate alternatives to mitigate capacity issues caused by excess I/I. Costs represent if alternative to upsize the Commonwealth Interceptor is determined to be best option.

Justification: To mitigate capacity issues from excess I/I to the Commonwealth Interceptor

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Alternatives analysis in FY2023-2025, Design (if needed) in FY2025-2027, Construction (if needed) in FY2027-2030

Status: Alternatives analysis is underway

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$4.40	\$1.65	\$4.81	\$6.16	\$22.55	\$27.77	\$4.81	-	-	-	-	\$67.75
Financing												
AlexRenew	\$4.40	\$1.65	\$4.81	\$6.16	\$22.55	\$27.77	\$4.81	-	-	-	-	\$67.75
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$72.15			

Note: Prior Years amount represents actual spend in FY2023 and adopted FY2024 budget.

Arlington County Capital Contributions

Project Location: Arlington County WPCP

Description: Arlington County treats wastewater flows from the northwestern quadrant of the City of Alexandria at its Water Pollution Control Plant (WPCP). Established in the service agreement between AlexRenew and Arlington County (dated July 1, 1977), AlexRenew makes annual contributions to Arlington County's Capital Improvement Program based on the established capacity share to fund upgrades to the WPCP.

Justification: To ensure AlexRenew meets its obligations under the service agreement with Arlington County.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Ongoing

Status: Annual contributions support Arlington County's identified project in their CIP

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$3.86	\$3.93	\$5.00	\$3.67	\$1.62	\$0.25	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$15.52
Financing												
AlexRenew	\$3.86	\$3.93	\$5.00	\$3.67	\$1.62	\$0.25	\$0.21	\$0.21	\$0.21	\$0.21	\$0.21	\$15.52
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$19.38			

Note: Prior Year amount represents adopted FY2024 budget.

Potomac Interceptor Rehabilitation

Project Location: Potomac Interceptor

Description: AlexRenew's Potomac Interceptor collects combined sewer flows from the City of Alexandria's sewer system through Old Town. A previous condition assessment identified the need to rehabilitate a portion of the Potomac Interceptor due to pipe settlement. Project will inspect and rehabilitate the Potomac Interceptor to address any existing and new issues.

Justification: To improve the performance and reliability of the Potomac Interceptor

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Planning and design in FY2025-2026, Construction in FY2027-2029

Status: Project has not yet started. Planning to start in FY2025

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$0.46	\$1.08	\$3.74	\$5.97	\$3.50	-	-	-	-	-	\$14.76
Financing												
AlexRenew	-	\$0.46	\$1.08	\$3.74	\$5.97	\$3.50	-	-	-	-	-	\$14.76
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:										\$14.76		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Description: In November 2023, AlexRenew launched a new billing and customer information system to replace the previous billing system and vendor who stopped providing services in January 2024. Ongoing services may be required to complete implementation.

Justification: To ensure continuous billing and customer service to AlexRenew's customers.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Implementation completed in November 2023

Status: Ongoing work as needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$2.47	\$0.50	-	-	-	-	-	-	-	-	-	\$0.50
Financing												
AlexRenew	\$2.47	\$0.50	-	-	-	-	-	-	-	-	-	\$0.50
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$2.97			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

4 MGD WRRF Expansion

Project Location: WRRF – Campus-wide

Description:	Project to identify and implement improvements to increase the capacity of the WRRF by 4MGD (from 54MGD to 58MGD) to accommodate future City flows.
Justification:	The population of the City of Alexandria (COA) is expected to grow resulting in the generation of additional sewer flows that need treatment. An additional 4MGD is needed for City capacity based on sewer flow projections.
Program:	Capital Improvement Program
Cost Share Category:	Alexandria Only (0% Fairfax County / 100% AlexRenew)
Schedule:	Facility plan in FY2025-2026, Design and construction in FY2029-2033
Status:	Project to begin in FY2025

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$1.00	\$1.00	-	-	\$3.00	\$5.00	\$7.50	\$4.50	\$1.00	-	\$23.0
Financing												
AlexRenew	-	\$1.00	\$1.00	-	-	\$3.00	\$5.00	\$7.50	\$4.50	\$1.00	-	\$23.0
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$23.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Environmental Center 5th Floor Build-out

Project Location:

Environmental Center
– 5th Floor

Description: The 5th floor of the Environmental Center was left unfurnished in the completion of the building to provide flexibility for future needs. The project will complete the build out of the space to provide additional office and collaboration space, including temporary use by the City of Alexandria's Transportation and Environmental Services – Sanitary Infrastructure Division

Justification: To optimize the use of existing infrastructure and space.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Design in FY2024-FY2025, Construction in FY2025-2026

Status: Design of the 5th floor space is underway.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.00	\$2.00	\$1.00	-	-	-	-	-	-	-	-	\$3.00
Financing												
AlexRenew	\$1.00	\$2.00	\$1.00	-	-	-	-	-	-	-	-	\$3.00
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$4.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Environmental Center Lobby Upgrades

Project Location: Environmental Center

Description: Upgrade AlexRenew's administrative building's lobby. Improvements include updates to the educational exhibits to incorporate understanding of AlexRenew's new and existing assets and operations and security upgrades.

Justification: To educate visitors and the community about the important work AlexRenew does.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Design in FY2025, implementation in FY2026-2028.

Status: Design to start in FY2025

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$0.50	\$5.00	\$2.00	\$1.00	-	-	-	-	-	-	\$8.50
Financing												
AlexRenew	-	\$0.50	\$5.00	\$2.00	\$1.00	-	-	-	-	-	-	\$8.50
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$8.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Capital Financing Fees

Project Location: Any AlexRenew asset

Description: Fees associated with the financing of the CIP program

Justification: Financing fees including financial advisory fees, legal fees, rate consultant work, loan applications fees and serving fees for debt funded capital projects.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Ongoing to support CIP

Status: As-needed

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Year	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.50	\$0.25	\$0.25	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$1.70
Financing												
AlexRenew	\$0.50	\$0.25	\$0.25	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$0.15	\$1.70
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$2.20			

Note: Prior Year amount represents adopted FY2024 budget.

Innovation District Pumping Station Support

Project Location:

IDPS

Description: To implement any projects to support the commission of the Innovation District Pumping Station (IDPS).

Justification: The IDPS was built by a developer to serve the Virginia Tech (VT) Campus that is currently under development. AlexRenew took ownership of IDPS in September 2023 ahead of full build-out of the VT campus. As IDPS receives additional flows when new buildings are built, projects may be necessary to re-commission the pump station.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Implementation coordinates with full build-out of VT Campus, currently anticipated to be complete in FY2027.

Status: Projects as-needed to support commissioning

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.45	\$0.20	\$0.20	\$0.20	-	-	-	-	-	-	-	\$0.60
Financing												
AlexRenew	\$0.45	\$0.20	\$0.20	\$0.20	-	-	-	-	-	-	-	\$0.60
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:										\$1.05		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Pump Stations and Service Chambers Condition Assessment

Project Location: Pump Stations/
Service Chambers

Description: Perform a condition assessment of and implement any identified rehabilitation or replacement on AlexRenew's two service chambers and five pump stations.

Justification: Project to improve the performance and reliability of AlexRenew's service chambers and pump stations

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: Assessment/implementation in FY2025-2027

Status: Project to start in FY2025

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$0.25	\$0.25	\$0.25	-	-	-	-	-	-	-	\$0.75
Financing												
AlexRenew	-	\$0.25	\$0.25	\$0.25	-	-	-	-	-	-	-	\$0.75
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:									\$0.75			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Solids Process Upgrades

Project Location:

WRRF – Solids
Process Buildings

Description: AlexRenew's solids processes are being evaluated under a Solids Master Plan (SMP). The SMP identified short-term improvements and will identify medium- and long-term recommendations to improve solids handling and meet future process needs. Short-term improvements will be implemented through a Construction Management At-Risk (CMAR) contract.

Justification: To improve the performance and reliability of the WRRF's solids processing.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: SMP: FY2021-FY2025
Short-term improvements: CMAR Construction – FY2025-2028
Medium- and long-term improvements: to begin in FY2031

Status: SMP is ongoing, CMAR anticipated for FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$4.76	\$8.90	\$29.70	\$41.00	\$23.20	\$0.00	\$0.00	\$0.50	\$14.60	\$36.50	\$43.20	\$197.60
Financing												
AlexRenew	\$1.90	\$3.56	\$11.88	\$16.40	\$9.28	\$0.00	\$0.00	\$0.20	\$5.84	\$14.60	\$17.28	\$79.04
Fairfax	\$2.86	\$5.34	\$17.82	\$24.60	\$13.92	\$0.00	\$0.00	\$0.30	\$8.76	\$21.90	\$25.92	\$118.56
Lifetime Total:									\$202.36			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Preliminary and Primary System UpgradesProject Location: WRRF – Preliminary
and Primary Systems

Description: Program to assess and upgrade of AlexRenew’s preliminary and primary treatment systems that is reaching the end of their useful life. An initial assessment identified improvements that will be implemented through a Construction Manager At-Risk contract.

Justification: To improve the reliability and performance of the preliminary and primary systems.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design FY2025-2026 and Construction FY2025-2031.

Status: CMAR anticipated to begin in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											Total
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Total	\$3.57	\$12.40	\$20.20	\$20.60	\$18.80	\$5.95	\$2.00	\$1.00	-	-	-	\$80.95
Financing												
AlexRenew	\$1.43	\$4.96	\$8.08	\$8.24	\$7.52	\$2.38	\$0.80	\$0.40	-	-	-	\$32.38
Fairfax	\$2.14	\$7.44	\$12.12	\$12.36	\$11.28	\$3.57	\$1.20	\$0.60	-	-	-	\$48.57
Lifetime Total:									\$84.52			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Tertiary System Upgrades

Project Location: WRRF – Building G

Description: Project to assess, repair, and upgrade the tertiary treatment system that is reaching the end of its useful life. The project will include tertiary filters, settling tanks, and chemical dosing systems.

Justification: Improved reliability of the tertiary systems.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design of recommended repairs in FY2025. Construction expected to start in FY2027.

Status: Assessment in progress.

Project Financials:

Expenditure	Fiscal Year (\$M)											Total
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Total	\$1.00	\$0.50	\$1.50	\$9.50	\$18.10	\$5.00	-	-	-	-	-	\$34.60
Financing												
AlexRenew	\$0.40	\$0.20	\$0.60	\$3.80	\$7.24	\$2.00	-	-	-	-	-	\$13.84
Fairfax	\$0.60	\$0.30	\$0.90	\$5.70	\$10.86	\$3.00	-	-	-	-	-	\$20.76
Lifetime Total:										\$35.60		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Information Technology Infrastructure Upgrades

Project Location:

Various

Description:	AlexRenew's information technology (IT) equipment and applications are essential to ensuring the operations of the organization. Regular updates are necessary to modernize AlexRenew in the face of changing cybersecurity threats. Upgrades have been identified and are underway to various IT equipment and applications including AlexRenew's network and SCADA. Program also includes current project to upgrade AlexRenew's asset management software.
Justification:	Ensure the cybersecurity of AlexRenew and improve tracking and management of asset operation/performance/reliability across the organization.
Program:	Capital Improvement Program
Cost Share Category:	Joint (60% Fairfax County / 40% AlexRenew)
Schedule:	Implementation in FY2023-2028.
Status:	Upgrades underway

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$14.00	\$6.00	\$2.50	\$1.00	\$1.00	-	-	-	-	-	-	\$10.50
Financing												
AlexRenew	\$5.60	\$2.40	\$1.00	\$0.40	\$0.40	-	-	-	-	-	-	\$4.20
Fairfax	\$8.40	\$3.60	\$1.50	\$0.60	\$0.60	-	-	-	-	-	-	\$6.30
Lifetime Total:									\$24.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Centrate Pretreatment Facility Improvements

Project Location: WRRF – Building 69

Description: Centrate pretreatment (CPT) facility provides energy-efficient ammonia removal and requires upgrades. Project will assess, repair, and improve the CPT system.

Justification: To improve the reliability and efficiency of the CPT process.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Implementation in FY2025-2028

Status: A study is underway to assess the existing system and identify needed improvements. CPT facility improvements are planned to begin in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.50	\$1.00	\$1.50	\$5.00	\$5.00	-	-	-	-	-	-	\$12.50
Financing												
AlexRenew	\$0.20	\$0.40	\$0.60	\$2.00	\$2.00	-	-	-	-	-	-	\$5.00
Fairfax	\$0.30	\$0.60	\$0.90	\$3.00	\$3.00	-	-	-	-	-	-	\$7.50
Lifetime Total:									\$13.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Campus-wide Electrical Upgrade Program

Project Location: WRRF – Campus-wide

Description: AlexRenew relies on the electrical grid throughout the WRRF's campus to ensure continuous operations of treatment equipment/processes. A program is needed to assess, design, and implement overhaul of the WRRF's electrical grid and related infrastructure.

Justification: Ensure the reliability, safety, and efficiency of the WRRF's electrical systems.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Assessment and design in FY2025-2026, Construction in FY2027-2034

Status: Assessment to begin in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$1.00	\$4.00	\$5.00	\$5.00	\$10.00	\$15.00	\$15.00	\$15.00	\$5.00	\$5.00	\$80.00
Financing												
AlexRenew	-	\$0.40	\$1.60	\$2.00	\$2.00	\$4.00	\$6.00	\$6.00	\$6.00	\$2.00	\$2.00	\$32.00
Fairfax	-	\$0.60	\$2.40	\$3.00	\$3.00	\$6.00	\$9.00	\$9.00	\$9.00	\$3.00	\$3.00	\$48.00
Lifetime Total:									\$80.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Buildings L and G Elevator Replacement

Project Location:

WRRF – Buildings
L & G

Description: The elevators in Buildings L and G are used daily to move people and equipment. Both Building L and G elevators are reaching end of useful life and require replacement.

Justification: To replace obsolete equipment and improve the reliability and performance of the elevators

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Construction in FY2025

Status: Procurement anticipated for FY2024 to construct in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$2.00	-	-	-	-	-	-	-	-	-	\$2.00
Financing												
AlexRenew	-	\$0.80	-	-	-	-	-	-	-	-	-	\$0.80
Fairfax	-	\$1.20	-	-	-	-	-	-	-	-	-	\$1.20
Lifetime Total:									\$2.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Holmes Run Trunk Sewer Rehabilitation

Project Location:

HRTS

Description: Holmes Run Trunk Sewer (HRTS) conveys flows from both Fairfax County and the City of Alexandria to the WRRF. Project will implement lining and other rehabilitation activities identified through a condition assessment in 2017. Project is anticipated to coordinate with City of Alexandria's Holmes Run Trail Flood Damage Repair project.

Justification: Improve performance of the HRTS.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design in FY2024-2025, Construction in FY2025-2026.

Status: Design underway

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.20	\$2.00	\$12.30	-	-	-	-	-	-	-	-	\$14.30
Financing												
AlexRenew	\$0.08	\$0.80	\$4.92	-	-	-	-	-	-	-	-	\$5.72
Fairfax	\$0.12	\$1.20	\$7.38	-	-	-	-	-	-	-	-	\$8.58
Lifetime Total:									\$14.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Warehouse and Inventory Upgrade

Project Location:

WRRF – Building F

Description: AlexRenew warehouse is used to store spare parts, equipment, and supplies necessary to maintain treatment processes. The existing warehouse space has limited storage space. Project will repurpose an existing facility to serve as AlexRenew's centralized warehouse to provide additional space for storage and coordinate with ongoing asset management project.

Justification: To improve storage of and access to necessary spare parts, equipment, and supplies for maintaining AlexRenew's assets.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Planning and design in FY2024-2025, Construction in FY2027-2029.

Status: Planning and design underway.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.50	\$1.00	-	\$2.00	\$5.00	\$1.00	-	-	-	-	-	\$9.00
Financing												
AlexRenew	\$0.60	\$0.40	-	\$0.80	\$2.00	\$0.40	-	-	-	-	-	\$3.60
Fairfax	\$0.90	\$0.60	-	\$1.20	\$3.00	\$0.60	-	-	-	-	-	\$5.40
Lifetime Total:									\$10.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

HMI Upgrade

Project Location: WRRF – Campus-wide

Description: AlexRenew uses a Human Machine Interface (HMI) application as part of the WRRF’s supervisory control and data acquisition (SCADA) system to monitor and operate equipment and treatment processes. Upgrades are needed to ensure system is modernized.

Justification: To ensure HMI application meets current industry standards and best practices for SCADA.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Implementation in FY2018-2026.

Status: Implementation underway

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$3.26	\$1.40	\$0.26	-	-	-	-	-	-	-	-	\$1.66
Financing												
AlexRenew	\$1.31	\$0.56	\$0.10	-	-	-	-	-	-	-	-	\$0.66
Fairfax	\$1.96	\$0.84	\$0.16	-	-	-	-	-	-	-	-	\$1.00
Lifetime Total:									\$4.92			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Plantwide Sump and Drain System Updates

Project Location: WRRF – Campus-wide

Description: The WRRF includes a system of various sump and drain infrastructure to remove fluids from process areas. Project will assess, repair, and modify of the sumps and drainage systems.

Justification: Improved reliability of the WRRF drainage network.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Assessment and implementation in FY2026-2029

Status: Project moved to start in FY2026.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.20	-	\$0.20	\$0.50	\$0.50	\$1.50	-	-	-	-	-	\$2.70
Financing												
AlexRenew	\$0.08	-	\$0.08	\$0.20	\$0.20	\$0.60	-	-	-	-	-	\$1.08
Fairfax	\$0.12	-	\$0.12	\$0.30	\$0.30	\$0.90	-	-	-	-	-	\$1.62
Lifetime Total:									\$2.90			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Plant Effluent Water System Improvements

Project Location:

WRRF – Building F

Description: AlexRenew's WRRF uses highly-treated plant effluent water instead of potable water to support operations. Upgrades to various components of the plant effluent water system are needed.

Justification: Increased reliability and efficiency of the plant effluent water system.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design and construction in FY2026-2027.

Status: Project not yet started.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	\$2.29	\$1.80	-	-	-	-	-	-	-	\$4.09
Financing												
AlexRenew	-	-	\$0.92	\$0.72	-	-	-	-	-	-	-	\$1.64
Fairfax	-	-	\$1.37	\$1.08	-	-	-	-	-	-	-	\$2.45
Lifetime Total:									\$4.09			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

NMF Wet Well Modifications

Project Location: Building 60 (NMF)

Description: AlexRenew's Nutrient Management Facility (NMF) was constructed to include a wet well that is no longer needed. Project will assess, design, and construct modifications to or eliminate the NMF wet well.

Justification: To modify the NMF wet well to ensure efficient performance of NMF.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Assessment in FY2026, Design and construction in FY2029-2030

Status: Project has not yet started

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	\$1.00	-	-	\$2.00	\$2.00	-	-	-	-	\$5.00
Financing												
AlexRenew	-	-	\$0.40	-	-	\$0.80	\$0.80	-	-	-	-	\$2.00
Fairfax	-	-	\$0.60	-	-	\$1.20	\$1.20	-	-	-	-	\$3.00
Lifetime Total:									\$5.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Secondary Settling Tanks Refurbishment

Project Location:

WRRF – Secondary
Settling Tanks

Description: AlexRenew uses settling tanks (SSTs) as part of its secondary treatment processes. The internal chain and flight systems used in the SSTs are reaching the end of their useful life and require replacement.

Justification: Improve the reliability and performance of the SSTs

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design in FY2025; Construction in FY2026-2027

Status: Equipment procurement to begin in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$1.50	\$2.00	\$2.00	-	-	-	-	-	-	-	\$5.50
Financing												
AlexRenew	-	\$0.60	\$0.80	\$0.80	-	-	-	-	-	-	-	\$2.20
Fairfax	-	\$0.90	\$1.20	\$1.20	-	-	-	-	-	-	-	\$3.30
Lifetime Total:									\$5.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Security Services During Construction

Project Location: WRRF – Campus-wide

Description: AlexRenew uses security guards posted at entry points to monitor access onto the WRRF. During construction of the RiverRenew Tunnel Project, additional guards were required to allow trucks to use additional WRRF gates.

Justification: To maintain site security during and support construction of RiverRenew Tunnel project.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Schedule aligns with the RiverRenew Tunnel Project construction

Status: Ongoing, as-needed to support truck routes

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$1.84	\$0.55	\$0.55	\$0.55	-	-	-	-	-	-	-	\$1.65
Financing												
AlexRenew	\$0.74	\$0.22	\$0.22	\$0.22	-	-	-	-	-	-	-	\$0.66
Fairfax	\$1.10	\$0.33	\$0.33	\$0.33	-	-	-	-	-	-	-	\$0.99
Lifetime Total:									\$3.49			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

FY2025 Capital Budget
Security Upgrades

Project Location: WRRF – Campus-wide

Description: The ongoing security of AlexRenew’s campus is essential to ensuring ongoing operations. Project to implement upgrades throughout AlexRenew’s WRRF campus to improve safety and security, including cameras, security fencing, and doors/gates.

Justification: To upgrade WRRF to changing security threats.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design and implementation in FY2025

Status: Project to start in FY2025

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$1.00	-	-	-	-	-	-	-	-	-	\$1.00
Financing												
AlexRenew	-	\$0.40	-	-	-	-	-	-	-	-	-	\$0.40
Fairfax	-	\$0.60	-	-	-	-	-	-	-	-	-	\$0.60
Lifetime Total:									\$1.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Reclaimed Water System Upgrade

Project Location:

WRRF – Building F

Description: AlexRenew has the capability to produce reclaimed water (RW) for use on-site or in the community. The RW system requires upgrades to ensure it remains operational and reliable.

Justification: To meet future RW demands and maintain system performance and reliability.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design in FY2025-2027, Construction in FY2029-2032

Status: Existing system performance was assessed under a previous study

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$0.16	\$1.00	\$1.05	-	\$1.25	\$1.25	\$1.25	\$1.25	-	-	\$7.21
Financing												
AlexRenew	-	\$0.06	\$0.40	\$0.42	-	\$0.50	\$0.50	\$0.50	\$0.50	-	-	\$2.88
Fairfax	-	\$0.10	\$0.60	\$0.63	-	\$0.75	\$0.75	\$0.75	\$0.75	-	-	\$4.33
Lifetime Total:									\$7.21			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

WRRF HVAC System Upgrade

Project Location: WRRF – Campus-wide

Description: Assessment, replacement, and modification of HVAC systems across the AlexRenew campus.

Justification: Increased reliability and performance of campus HVAC systems.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Assessment, design, and construction in FY2029-2034

Status: Project has not yet started.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	-	-	-	\$2.00	\$2.50	\$5.50	\$2.50	\$1.50	\$0.50	\$14.50
Financing												
AlexRenew	-	-	-	-	-	\$0.80	\$1.00	\$2.20	\$1.00	\$0.60	\$0.20	\$5.80
Fairfax	-	-	-	-	-	\$1.20	\$1.50	\$3.30	\$1.50	\$0.90	\$0.30	\$8.70
Lifetime Total:									\$14.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Plantwide Chemical System Updates

Project Location: WRRF – Campus-wide

Description: AlexRenew uses chemicals for process control and permit compliance. These chemicals must be safely stored and distributed to multiple unit processes on-site. Chemical storage and distribution systems are approaching the end of their useful life.

Justification: Improve reliability and safety of the WRRF's chemical systems.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Planning and design in FY2025, Construction in FY2026-2027

Status: A chemical system study will be performed in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	\$2.00	\$2.00	\$5.00	-	-	-	-	-	-	-	\$9.00
Financing												
AlexRenew	-	\$0.80	\$0.80	\$2.00	-	-	-	-	-	-	-	\$3.60
Fairfax	-	\$1.20	\$1.20	\$3.00	-	-	-	-	-	-	-	\$5.40
Lifetime Total:									\$9.00			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Description: The garage of the Environmental Center was designed to connect to the future Carlye Plaza II development. Engineering and/or construction oversight services are necessary to ensure that considerations for the protection of the Environmental Center and AlexRenew's operations are considered and coordinated with the design and construction of the future development.

Justification: To protect the Environmental Center structure and maintain AlexRenew's operations during the Carlye Plaza II development's design and construction

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Project will align with the Carlye Plaza II development's design and construction schedule, currently anticipated for FY2029-2032

Status: Project has not yet started

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	-	-	-	\$0.20	\$0.30	\$0.30	\$0.30	-	-	\$1.10
Financing												
AlexRenew	-	-	-	-	-	\$0.08	\$0.12	\$0.12	\$0.12	-	-	\$0.44
Fairfax	-	-	-	-	-	\$0.12	\$0.18	\$0.18	\$0.18	-	-	\$0.66
Lifetime Total:									\$1.10			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

North Bridge Structural Upgrades

Project Location: WRRF – North Bridge

Description: AlexRenew's North Bridge, which was built in 1976 serves as a primary access point for all deliveries and hauling for WRRF operations. This project will assess, design, and implement any structural upgrades necessary.

Justification: Maintain the structural integrity of the North Bridge

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: Design in FY2030-2032, Construction in FY2032-2034

Status: Project has not yet started

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	-	-	-	-	-	-	\$0.50	\$1.00	\$1.00	\$3.00	\$5.00	\$10.50
Financing												
AlexRenew	-	-	-	-	-	-	\$0.20	\$0.40	\$0.40	\$1.20	\$2.00	\$4.20
Fairfax	-	-	-	-	-	-	\$0.30	\$0.60	\$0.60	\$1.80	\$3.00	\$6.30
Lifetime Total:									\$10.50			

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

Climate Change Resiliency Program

Project Location: WRRF – Campus-wide

Description:	AlexRenew is susceptible to climate change impacts including extreme temperatures and more frequent/intense weather events. This program assesses facility vulnerabilities to climate change impacts and implements engineering solutions to protect AlexRenew assets and personnel.
Justification:	Program aligns with AlexRenew’s strategic goal of Environmental Sustainability.
Program:	Capital Improvement Program
Cost Share Category:	Joint (60% Fairfax County / 40% AlexRenew)
Schedule:	Study/short-term initiatives to be completed in FY2027, long-term initiatives to begin implementation in FY2033.
Status:	Study to identify short- and long-term initiatives to be completed in FY2025.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$0.25	\$0.50	\$0.50	\$0.25	-	-	-	-	-	\$5.00	\$7.00	\$13.25
Financing												
AlexRenew	\$0.10	\$0.20	\$0.20	\$0.10	-	-	-	-	-	\$2.00	\$2.80	\$5.30
Fairfax	\$0.15	\$0.30	\$0.30	\$0.15	-	-	-	-	-	\$3.00	\$4.20	\$7.95
Lifetime Total:										\$13.50		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

RiverRenew Tunnel Project – Alex-Only

Project Location:

Various

Description: AlexRenew is constructing a tunnel, pump stations, and sewer infrastructure to address combined sewer overflows in Alexandria. Improvements will bring Alexandria's four existing combined sewer outfalls into compliance. Program includes wastewater projects completed at the WRRF in advance of tunnel project construction.

Justification: A 2017 Virginia law required Alexandria's four existing combined sewer to be brought into compliance.

Program: Capital Improvement Program

Cost Share Category: Alexandria Only (0% Fairfax County / 100% AlexRenew)

Schedule: RiverRenew wastewater projects completed in FY2021. RiverRenew tunnel project construction in FY2021-2026

Status: Construction is underway.

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$65.50	\$17.20	\$0.40	-	-	-	-	-	-	-	-	\$17.60
Financing												
AlexRenew	\$65.50	\$17.20	\$0.40	-	-	-	-	-	-	-	-	\$17.60
Fairfax	-	-	-	-	-	-	-	-	-	-	-	-
Lifetime Total:										\$83.10		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.

RiverRenew Tunnel Project – Joint

Project Location:

Various

Description: AlexRenew is constructing a tunnel, pump stations, and sewer infrastructure to address combined sewer overflows in Alexandria. Improvements will bring Alexandria's four existing combined sewer outfalls into compliance. Program includes wastewater projects at the completed at the WRRF in advance of tunnel project construction.

Justification: A 2017 Virginia law required Alexandria's four existing combined sewer to be brought into compliance.

Program: Capital Improvement Program

Cost Share Category: Joint (60% Fairfax County / 40% AlexRenew)

Schedule: RiverRenew wastewater projects completed in FY2021. RiverRenew tunnel project construction in FY2021-2026

Status: Construction is underway

Project Financials:

Expenditure	Fiscal Year (\$M)											
	Prior Years	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Total
Total	\$439.90	\$90.50	\$1.50	-	-	-	-	-	-	-	-	\$92.00
Financing												
AlexRenew	\$175.96	\$36.20	\$0.60	-	-	-	-	-	-	-	-	\$36.80
Fairfax	\$263.94	\$54.30	\$0.90	-	-	-	-	-	-	-	-	\$55.20
Lifetime Total:										\$531.90		

Note: Prior Years amount represents actual spend through FY2023 and adopted FY2024 budget.