



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

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

General Counsel
McGuireWoods, LLP

INTERNAL MEMORANDUM

TO: Board of Directors of Alexandria Renew Enterprises
FROM: Secretary-Treasurer
DATE: November 12, 2019
SUBJECT: Regular Board of Directors Meeting

The Regular Meeting of the Board of Directors will be held in the Environmental Center, Edward Semonian Boardroom on Tuesday, November 19, at 6:00 p.m.

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

There is one item requiring Board action this month.

- ◆ *A Public Hearing to Receive Comments on Alexandria Renew Enterprises Easement Acquisitions*



Agenda
 Alexandria Renew Enterprises Board of Directors
 Tuesday, November 19, 2019, 6:00 p.m.
 1800 Limerick Street, Ed Semonian Boardroom

No.	Item	Presenter	Action Required
1.	Call Meeting to Order (6:00 p.m.)	Chairman	
2.	Approval of the Agenda (6:02 p.m.)	Chairman	Approval
3.	Public Hearing to receive comments on Alexandria Renew Enterprises Easement Acquisitions (6:45 p.m.)	Chairman	Approval
4.	Public Comment Period (Items other than comments) (6:50 p.m.)	Chairman	
5.	Consent Calendar (7:15 p.m.) A. Approval of Minutes (Held October 15, 2019) (Tab 1)	Chairman	Approval
6.	Unfinished Business (7:17 p.m.) A. None	Chairman	Approval
7.	New Business (7:20 p.m.) A. None	Chairman	Information
8.	Board Strategic Roundtable – Member & Committee Reports (7:45 p.m.) A. Council/Board CSO Workgroup (as needed) i. Next Meeting Monday, December 3, 5:00 p.m. @ City Hall ii. Next Stakeholder Advisory Group Meeting, December 12 @ 7:00 p.m. @ AlexRenew B. General Member Updates C. Community Meeting Updates – (as needed) D. Chamber of Commerce update – Ms. Turner - (as needed) E. Chesapeake Bay Citizens Advisory Group update - Mr. Dickinson (as needed) F. Finance and Audit Committee update – Mr. Johnson G. Governance Committee update – Ms. Turner		Information
9.	Chief Executive Officer’s Reports and Recommendations (8:00 p.m.) A. Consideration of Monthly Financial Report (<i>October</i>) (Tab 2) B. CEO’s Monthly Report (<i>October</i>) (Tab 3) i. Jurisdictional Flows to AlexRenew ii. RiverRenew Dashboard iii. HOA Meeting Calendar	Ms. Pallansch Ms. McIntyre Ms. Pallansch	Accept Information
10.	Closed Session for Discussion or consideration of real property acquisition for public purposes, or the disposition of publicly held property where discussion in an open meeting would adversely affect the bargaining position of the public body	Chairman	
11.	Adjourn (8:30 p.m.)		

Times shown in parentheses are approximate and serve as guidelines

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

The next Board meeting is scheduled for Tuesday, December 17, 2019 @ 6:00 p.m.

Chairman- John Hill • Vice Chairwoman- Patti Turner
 • Secretary-Treasurer-William Dickinson
 • Members- James Beall, Bruce Johnson

Minutes of the 870th Meeting
“Celebrating Over 60 Years of Continuous Environmental Excellence”
Alexandria Renew Enterprises
6:00 p.m., Tuesday, October 15, 2019

On Tuesday, October 15, at 6:00 p.m., Alexandria Renew Enterprises held its regular Board of Directors meeting at Alexandria Renew Enterprises in the Ed Semonian Board Room at 1800 Limerick Street with the following present:

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

Excused: Ms. Patti Turner, Vice Chairwoman

Staff: Ms. Karen Pallansch, Chief Executive Officer
Ms. Liliana Maldonado, Deputy General Manager, Engineering & Planning
Mr. Brian Mosby, Deputy General Manager, Operations & Maintenance
Ms. Lisa Van Riper, Director of Enterprise Communications
Ms. Christine McIntyre, Director of Finance
Mr. Blake Hamilton, Director of Environmental Performance
Ms. Caitlin Feehan, Program Manager, RiverRenew
Ms. Lorna Huff, Secretary to the Board

Counsel: Mr. Jonathan Rak
McGuireWoods, LLP

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

City Representative: Mr. Lalit Sharma, Division Chief
Sanitary Sewer Infrastructure Division

Consultants: Mr. Justin Carl, Program Advisor
Brown and Caldwell

Call to Order

The Chairman called the meeting to order at 6:03 p.m.

Approval of the Agenda

The Chairman requested that members review the agenda and inquired if they had changes. There being none, the Chairman requested a motion to approve the agenda. Mr. Dickinson moved and Mr. Beall provided the second. The Board unanimously approved.

Public Comment

There were no members of the public in attendance and wishing to speak. The Chairman closed the public comment period.

Closed Session

At 6:02 p.m., the Chairman moved to enter a closed session for discussion or consideration of real property acquisition for public purposes, or the disposition of publicly held property where discussion in an open meeting would adversely affect the bargaining position of the public body. Mr. Hill moved and Mr. Beall provided the second. The board unanimously approved.

At 6:34 p.m., the meeting returned to open session, and the following certification was unanimously adopted by the members: "Pursuant to 2.2-3712(D) of the Virginia Freedom of Information Act, it is hereby certified that to the best of each Member's knowledge, (1) only public business matters lawfully exempted from the open meeting requirements of the Act, and (2) only public business matters identified in the motion by which this closed meeting was convened were heard, discussed, or considered by Alexandria Renew Enterprises." Motion was made by Mr. Beall and seconded by Mr. Dickinson. All Members present voted via roll call:

Mr. Hill	Aye
Mr. Dickinson	Aye
Mr. Johnson	Aye
Mr. Beall	Aye

The Chairman then reported the following. The Board authorizes the CEO to execute an agreement with Alder Branch Realty for the purchase of an easement as discussed in the closed session.

Consent Agenda

Review and Approve Minutes September 17, 2019 Board Meeting

Mr. Hill requested that members review the Minutes of the September meeting and inquired if they had questions or comments. There were no questions or comments on the Minutes. The Chairman requested a motion to approve the Consent Agenda. Mr. Johnson moved and Mr. Beall seconded. The Board unanimously approved.

Unfinished Business

A. None

New Business

A. Review and Approval of a Tunnel System Design-Build Proposal

Ms. Pallansch reported proposal payments to unsuccessful teams during the RFP phase of tunnel projects is a practice in the water and wastewater industry. Project owners benefit by obtaining the licenses to any concepts, ideas, designs and other information on this or subsequent projects.

Of the (8) Request for Qualifications (RFQs) received, three teams have been chosen and shortlisted. The shortlisted teams will spend nearly one year reviewing the Tunnel System Project RFP Documents and collaborating with AlexRenew to develop designs for accurate pricing. Based on data from similar tunnel projects, design-build teams can spend upwards of \$2 million in developing their proposals.

Based on available industry data for water/wastewater and transportation tunnel projects, proposal payments range between 0.1 and 0.2 percent of the advertised construction value. The recommended stipend of \$500,000 falls within this range based on the current estimated value of the Tunnel System

Project.

There were no additional questions or comments. The Chairman requested a motion to approve. Mr. Beall moved and Mr. Johnson seconded. The Board unanimously approved.

Be It Resolved That: The Board authorizes the CEO to approve a proposal payment in the amount of \$500,000 to each responsive, unsuccessful design-build team, in return for ownership of the concepts, designs, ideas, and other information presented in each proposal not selected for contract award.

B. Review and Approval of Contract No. 19-062; Fiber Optic Backbone Planning and Installation Services

AlexRenew's SCADA control system utilizes an Ethernet/Fiber Optic Backbone (FOB) to transmit, receive and process information throughout its Water Resources Reclamation Facility (WRRF). AlexRenew requires a contractor for planning, installing and maintaining a new fiber optic system for its WRRF SCADA system to upgrade and renew these critical operational assets.

Ms. Pallansch reported that AlexRenew's FOB was outdated and needs replacing. Ms. Pallansch further reported that the FOB is part of AlexRenew's approved CIP with a cost of approximately \$1.8 million for the first year. Members requested they be kept apprised of costs associated with this project.

There were no additional questions or comments. The Chairman requested a motion to approve. Mr. Beall moved and Mr. Dickinson seconded. The Board unanimously approved.

Be It Resolved That: The Board authorizes the CEO to execute a contract with Global Com for work associated with the planning and installation of FOB services.

There were no additional questions and the Chairman moved to the Board Strategic Roundtable.

Board Strategic Roundtable – Member and Committee Reports

CSO Workgroup – Mr. Hill

Ms. Pallansch reported that the next meeting of this group will be in November. The Stakeholder Advisory Group meetings will begin once the CSO Workgroup meetings are scheduled.

The Chairman inquired on member contacts for the month.

Lynnhaven Home Owners Association – Mr. Beall

Mr. Beall reported that the Lynnhaven HOA meeting focused on park and property maintenance.

Chesapeake Bay Citizens Advisory Group – Mr. Dickinson

Nothing to report.

Finance and Audit Committee – Mr. Johnson

Mr. Johnson reported on the Committee's meeting with AlexRenew auditors, Yount, Hyde & Barbour. The purpose of the audit is to provide management with the financial condition of the Authority.

He reported that AlexRenew received a clean opinion from the auditors. They noted good financial procedures and statements. There were no material weaknesses found and no management letter was necessary.

The Budget from last year was 25% less based on the shortened fiscal year. He further reported that the

Committee recommended the Board accept the Audit Report for FY19. The Chairman requested a motion to approve the FY19 Audit. Mr. Johnson moved and Mr. Dickinson seconded. The Board unanimously approved the FY19 Audit. The final documents will be posted to the AlexRenew website and mailed to City Council, AlexRenew banks and other interested parties.

There were no additional questions or comments and the Chairman moved to the Governance Committee.

Governance Committee

Ms. Pallansch reported that she met with the Governance Chair, Patti Turner, to discuss the succession plan for the early 2020's for the Board Chair in 2023 and the CEO. The CEO and staff are currently working with a facilitator during this transition. Members will have to decide on a job description and enlist the services of an executive search firm.

There were no additional questions or comments. The Chairman moved to the CEO's Reports and Recommendations.

CEO's Reports and Recommendations

A. Consideration of September 2019 Financial Report

Ms. Pallansch recognized Ms. McIntyre who was available to answer questions on AlexRenew's financial report for September.

Members reviewed the monthly financials and noted reductions in chemicals and utility usage. Ms. Pallansch reported that was due to a reduction in flows to the plant. Cash reserves and debt service are in good shape.

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

B. CEO Monthly Report (September)

Ms. Pallansch noted her written report and requested members questions or comments. There being none, Ms. Pallansch noted AlexRenew's VPDES Annual Report to the General Assembly due in November. Ms. Pallansch recognized Ms. Van Riper who provided a briefing on upcoming AlexRenew outreach activities in the City.

Wednesday, October 23 –Imagine a Day Without Water

AlexRenew along with One Water Partners, Virginia American Water (VAW) and the City of Alexandria and the Water Environment Federation (WEF) will host an event to highlight the importance of water. The event begins at 7:30 a.m. at the Duke Street Tunnel near Carlyle. She invited members to stop by. There will be interactive displays, and donuts and coffee supplied by Dunkin.

2019 Annual Report

Ms. Van Riper noted a draft of the FY19 Annual Report. She requested Board comments and feedback by Friday, October 18. She noted a more modern design with a focus on AlexRenew Strategic Outcomes. She reported that the completed report would be sent to City Council, AlexRenew staff, and to other members in the Community. A supply will also be available at each board meeting. There were no additional questions or comments for Ms. Van Riper.

Ms. Pallansch reviewed the RiverRenew Dashboard and the Jurisdictional flow reports for July and August.

There were no additional questions or comments. The Chairman requested a motion to adjourn. Mr. Beall moved and Mr. Johnson seconded.

The meeting adjourned at 7:15 p.m.

APPROVED:

Secretary-Treasurer

Monthly Financial Report

Month: October 2019

Overview

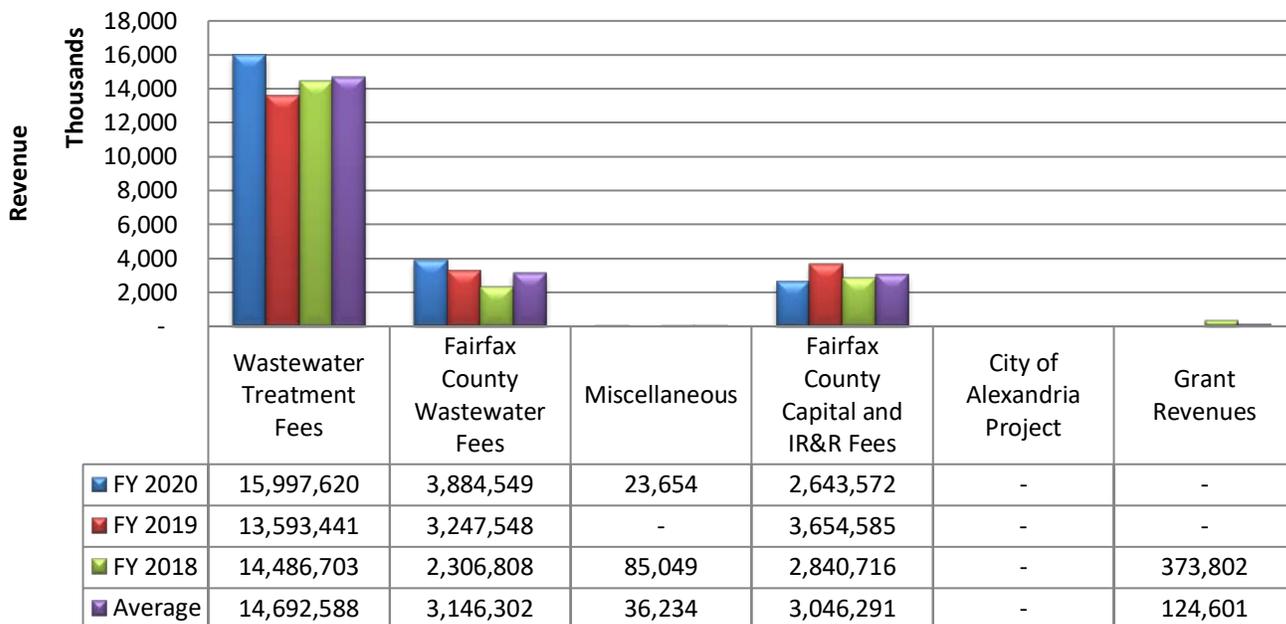
Monthly performance of AlexRenew's annual approved budget is reviewed and evaluated against actual to planned spend rates, historical trends, appropriate benchmarks and internal financial policies, to ensure overall organizational financial stability.

Currently, as the summary data herein will indicate, AlexRenew is trending slightly above its FY20 consolidated revenue budget and below its consolidated expense budget, month-to-date.

Revenues

- FY20 operating revenues total \$19.9 million through the end of October with approximately \$15.9 million in Wastewater Treatment Charge revenue and \$3,884,549 collected from Fairfax County. Wastewater Treatment Charge revenue is approximately \$2.4 million (17.7%) more compared to the same time period in FY19 and \$1,381,620 (9.5%) above the Fiscal 2020 YTD budget.
- Our revenue performance is primarily driven by billed flows that may be impacted by seasonality and by the Virginia American Water meter reading process – which can vary month-to-month.
- The Fairfax County operating expense charge and IR&R contribution YTD are on budget respectively. Fairfax County capital outlay contributions are also in-line with capital expenditures.

Revenue and Capital Contributions



Operating Fund Revenues 3 Year Comparison



Expenses

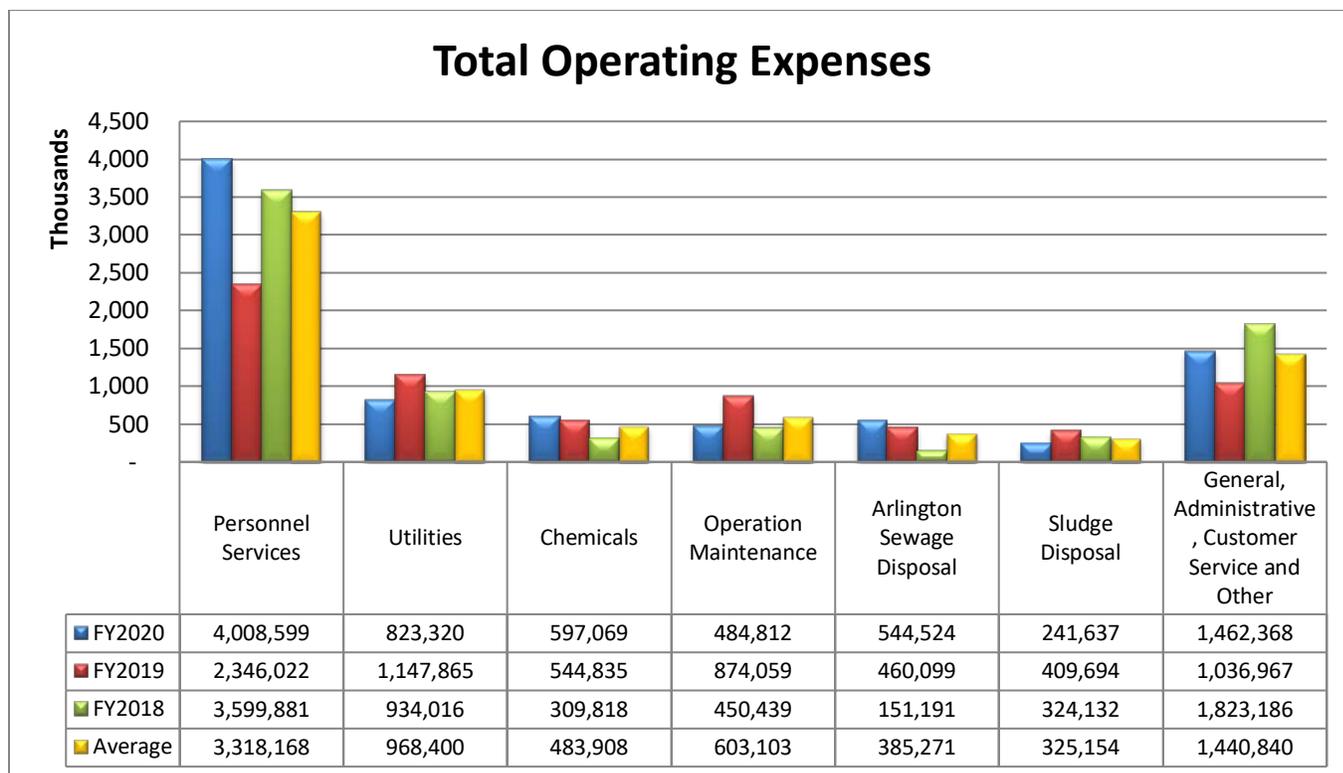
FY20 operating and maintenance expenses are approximately 15% or \$1.4 million under our year-to-date budget, representing a spend rate of 28.3%. An overall decrease in Operation Maintenance costs and Utilities accounts primarily for this variance.

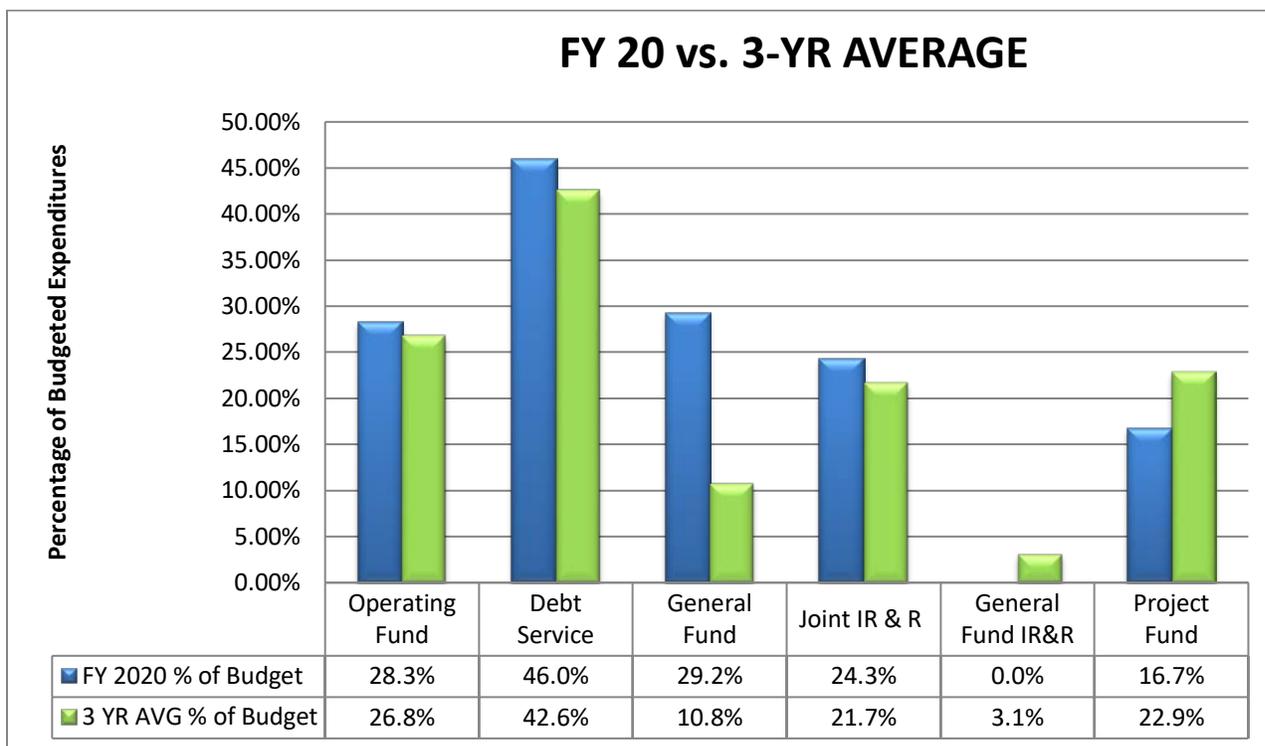
Capital outlay expenses are \$7.1 million year-to-date, representing a spend rate of 16.7%.

At four (4) months into our fiscal year, our overall spend rate is 25.5% of our total budget.

EXPENSES BY FUND

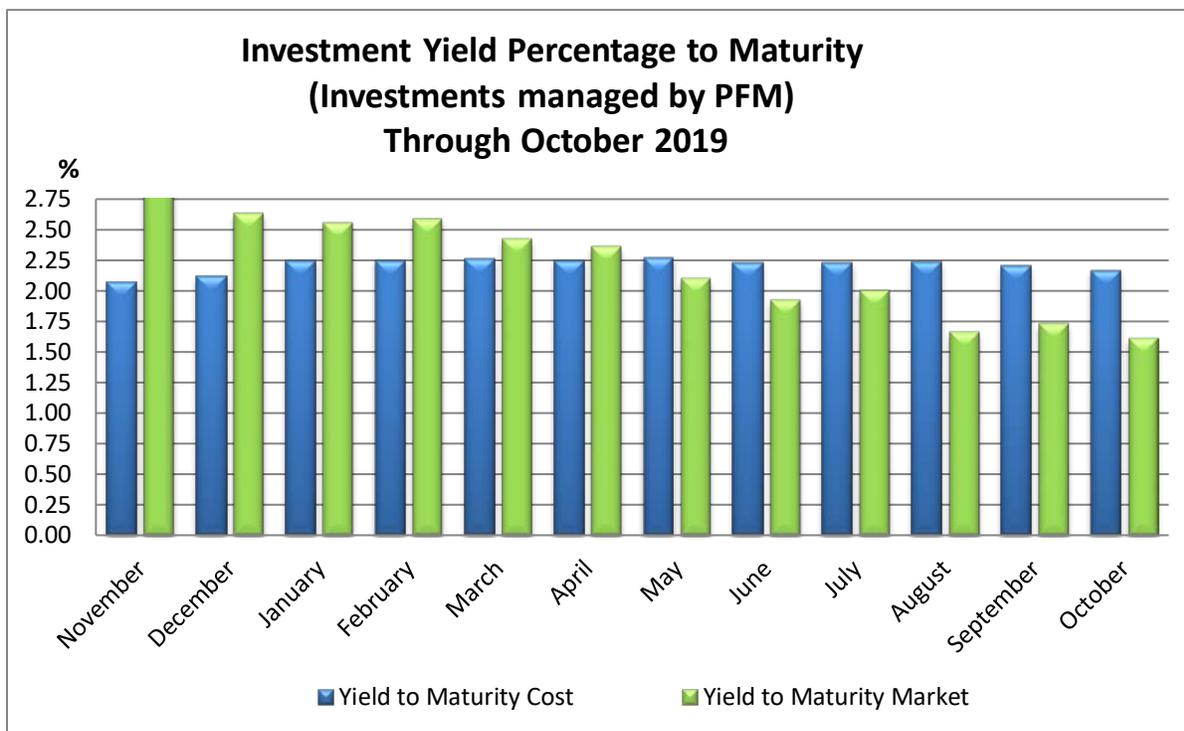
ACTUAL VS. BUDGET Through October, 2019					SPEND RATE		
(Millions of Dollars)	FY 2020	FYTD 2020	3 YR AVG	FYTD 2020	FY 2020	3 YR AVG	Variance FY20
Expenses (By Fund)	BUDGET	ACTUAL	ACTUAL	BUDGET	% of Budget	% of Budget	to 3 YR AVG
Operating Fund	\$ 28.45	\$ 8.06	\$ 7.47	\$ 9.48	28.3%	26.8%	1.5%
Debt Service	14.22	6.54	6.25	4.74	46.0%	42.6%	3.4%
General Fund	1.76	0.51	0.43	0.59	29.2%	10.8%	18.4%
Joint IR & R	4.32	1.05	1.01	1.44	24.3%	21.7%	2.6%
General Fund IR&R	0.07	-	0.01	0.02	0.0%	3.1%	-3.1%
Project Fund	42.44	7.08	6.97	14.15	16.7%	22.9%	-6.2%
Total	\$ 91.26	\$ 23.24	\$ 22.15	\$ 30.42	25.5%	27.0%	-1.6%





Investments

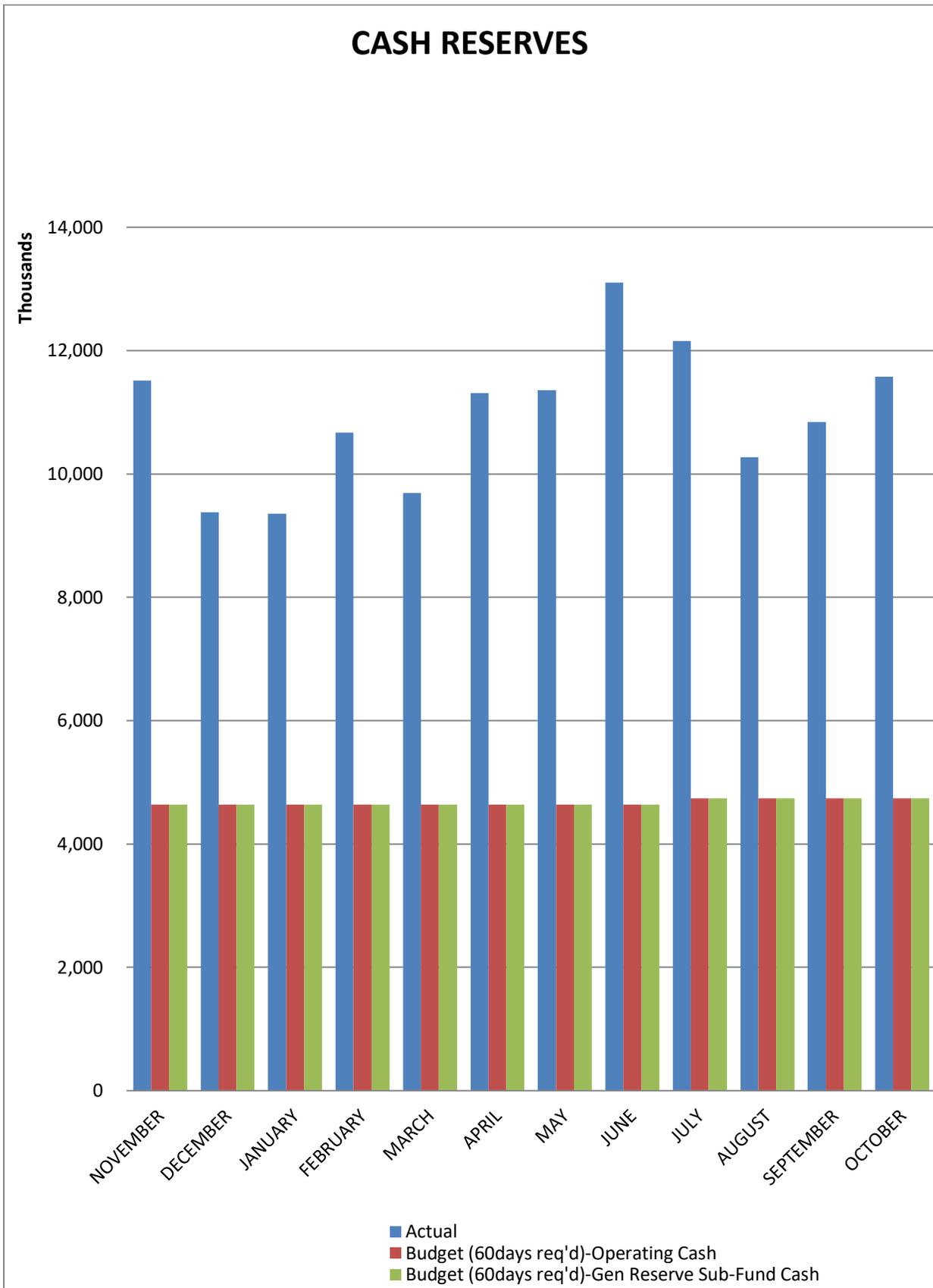
PFM Investment Advisors manages approximately \$24 million of AlexRenew’s \$31.4 million investment portfolio. The following graph demonstrates current earnings on investments of approximately 2.17%; a level significantly higher than general bank deposit earnings rates.



Cash Reserves

Our Indenture requires that we maintain a balance on deposit in our Operating Fund equal to not less than 60 days of budgeted operating expenses. AlexRenew Financial Policy requires a balance on deposit in our General Reserve sub-Fund also equal to not less than 60 days of budgeted operating expenses. In total, these combined compliance conditions require AlexRenew to maintain at least 120 days cash on hand, and for FY20 this equals a minimum of \$9,484,522. The chart and graph below demonstrate that AlexRenew currently exceeds this requirement.

Board Policy 120 Days Operating-General fund Cash Reserve	FY 2020 Actual	Percentage of Goal
As of October, 2019		
Total Operating Cash	\$ 4,006,137	
Total Certificates of Deposit (Cash Equivalent)	\$ 2,825,666	
Total Operating Cash	<u>\$ 6,831,803</u>	
Total General Reserve Sub-Fund Cash	<u>4,742,261</u>	
Total Operating and General Reserve Sub- Fund Cash	<u>11,574,064</u>	125%

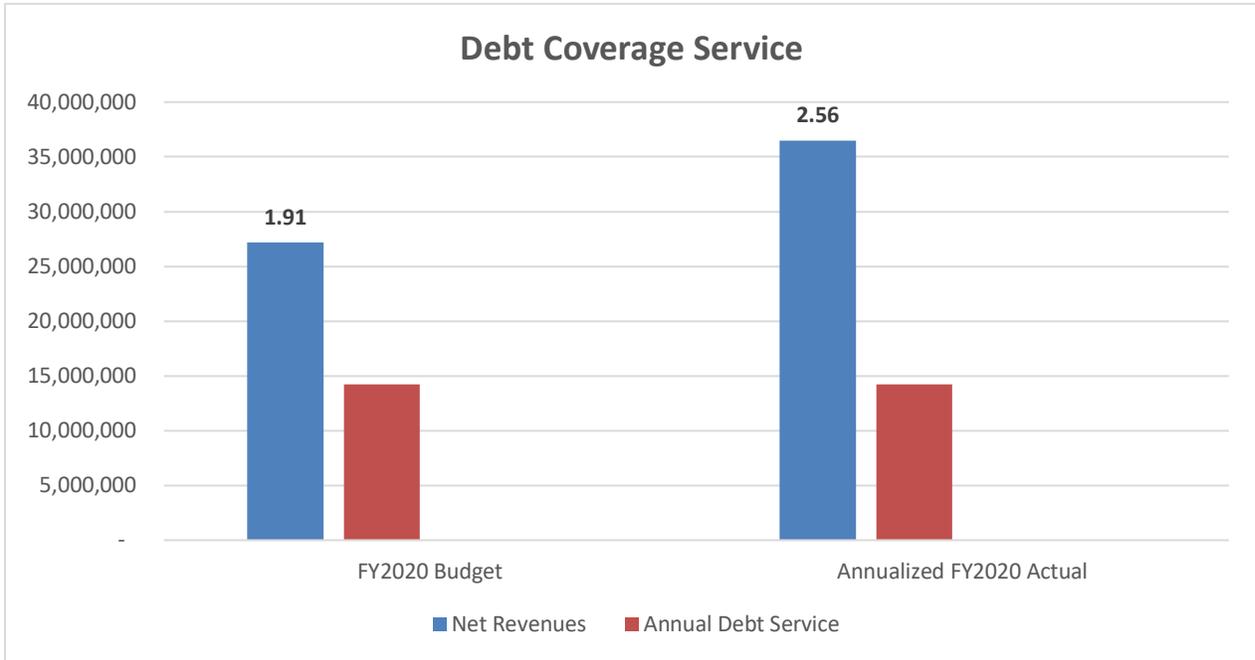


Debt Service Coverage

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

In both cases, AlexRenew currently exceeds its compliance standard as indicated in the graph below. The 2.56x designated in the graph below represents projected coverage for FY20 based on actual results to date. We also note our anticipated coverage of 1.91x based on original FY20 budget expectations. As a result, we are well ahead of our budgeted projection, as well as our minimum policy level.

Financial Policy Compliance - All-In Debt Coverage	FY 2020 Actual	FY 2020 Budget
Gross Revenues Available for Debt Service Coverage:		
Wastewater Treatment Charges - Alexandria	47,992,859	43,848,000
Fairfax County Operating Expense Charge	11,653,647	11,653,647
Reimbursement from other systems	70,962	-
Investment Income	940,153	115,000
Less Restricted Investment Income	-	-
Total	60,657,621	55,616,647
Operating Expenses	24,183,725	28,453,556
Net Revenues	36,473,895	27,163,091
Annual Debt Service	14,220,146	14,220,146
Calculated All-In Debt Coverage	2.56	1.91
Financial Policy Target	≥150%	≥150%



Glossary:

Revenue Fund

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

The Operating Fund

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

Parity Debt Service Fund

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

Joint Improvement, Renewal & Replacement (IRR) Fund

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

Project Fund

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

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

General Fund

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

CEO Board Report October 2019

Dear Members of the Board of Alexandria Renew Enterprises,

October 23 was the national observance of Imagine a Day without Water. For this day, the Alexandria One Water Team hosted a pop-up event at the Carlyle Entrance to the King Street Metro Station. The team provided donuts and coffee to passersby, and educated about 300 people about the value of water. The executive director of the Water Environment Federation also joined us for the event.

Early in October, AlexRenew launched a formal RiverRenew social media campaign called #TunnelTakeoverTuesday. Each Tuesday, AlexRenew's Facebook and Twitter channels focus on educational content specific to RiverRenew, such as videos with RiverRenew team members discussing the soil sampling program and the diversion facility scale model. Hosting RiverRenew content on AlexRenew's social media channels provides the program with a built-in audience of thousands of existing followers, and reinforces that RiverRenew is a program of AlexRenew.

Operational Excellence

Precipitation for October was 6.66 inches, as recorded at Reagan National Airport, significantly above the historical average of 3.40 inches for Washington, D.C. There were no overflows in the collection system or at the plant during the month.

On Friday, November 1, following a heavy rainfall, our plant's fine screens were packed with leaves from the streets and sidewalks from the combined collection area of the City.



Leaves caught in our fine screens

For a half day on Tuesday, November 5, our Maintenance Team removed approximately 125 pounds of wipes clogging the pumps in Four Mile Run Pump Station. Rains in late October, after a dry September, pushed wipes from the City’s collection system into the pump station.



AlexRenew personnel removing wipes from Four Mile Run Pump Station.

Biosolids production for October 2019 was 1,676 wet tons, all of which was beneficially reused through land application in the Virginia counties of Essex, Fauquier, Louisa, and Frederick. The biosolids were land applied as Class B biosolids. AlexRenew met all Virginia Pollutant Discharge Elimination System (VPDES) effluent parameters for October 2019.

Treatment	Daily Average Flow MGD	Carbonaceous Biochemical Oxygen Demand (Monthly Average) mg/L	Total Suspended Solids (Monthly Average) mg/L	Ammonia (as N) (Monthly Average) mg/L	Dissolved Oxygen (Minimum) mg/L	Total Nitrogen ¹ (Annual Average) mg/L	Total Nitrogen LOAD (YTD) lb	Total Phosphorus (Monthly Average) mg/L	Total Phosphorus LOAD (YTD) lb
Permit	54.0	5.0	6.0	Seasonal ²	6.0	3.0	493,381	0.18	29,603
Reported	34.4	<QL	1.7	0.27	7.3	2.7	259,154	0.09	11,585

NOTES

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

The plant is operating with one Biological Reactor Basin out of service for about 12 months as the Process Air Compressor (PAC) Blower project continues. This situation restricts our ability to most efficiently remove nitrogen.

Public Engagement and Trust

Tours and Events

During October, we welcomed 575 visitors to our Environmental Center. We hosted 18 events, including an EPA Stormwater Infrastructure Financing Workshop for 52 attendees, a City of Alexandria Fire Department Strategic Planning Meeting for 37 people, an ACT Alexandria monthly Board of Directors Meeting with 534 attendees, an Alexandria Chamber/Alzheimer's Association Senior-Focused Business Networking Breakfast with 45 attendees, and a three-day School Superintendents Association Women's Leadership Conference for 55 attendees.

We also led two tours during October; A tour for the Central Southern China Municipal Engineering Design and Research Institute for 15, and an Environmental Center Lobby tour with interactive activities for 28 students from Episcopal High School.

Customer Service

Customer Service received 2,739 calls in October, with 57% of callers opting for self-service. Average call answer time was 27 seconds. Call Center staff also answered 144 customer emails.

Social Media and Website

Seventy-five percent of people who engaged with us on Facebook during October were from the City of Alexandria; the majority (73%) were women. We had 4,444 active, organic engagements on Facebook as evidenced by likes, comments, and shares (the industry average is 232). We have 3,450 Facebook Fans.

More than 5,000 Twitter, 60 LinkedIn, and 50 Instagram followers engaged with our posts during October. We have 3,500 Twitter, 2,090 LinkedIn, and 190 Instagram followers. Our website had 10,106 visitors and 32,187 page views during October. We had 106 visitors click through to our website from social media.

Watershed Stewardship

During October, I attended the Potomac Watershed Roundtable meeting, and traveled to Boulder, Colorado to teach a water leadership class for three days.

RiverRenew

AlexRenew is scheduled to release the Tunnel System Resident Engineering and Inspection (RE&I) Request for Proposals (RFP) on November 12, 2019. The RFP will select a RE&I team to support the RiverRenew team in design and construction oversight of the Tunnel System design-build contract.

The RiverRenew team volunteered at the Portside in Old Town Fall Festival on October 12, 2019, an event that benefits the Alexandria Seaport Foundation. The Portside in Old Town Fall Festival drew in close to 500 people throughout the day, including some Stakeholder Advisory Group (SAG) members and Mayor Wilson.

Adaptive Culture

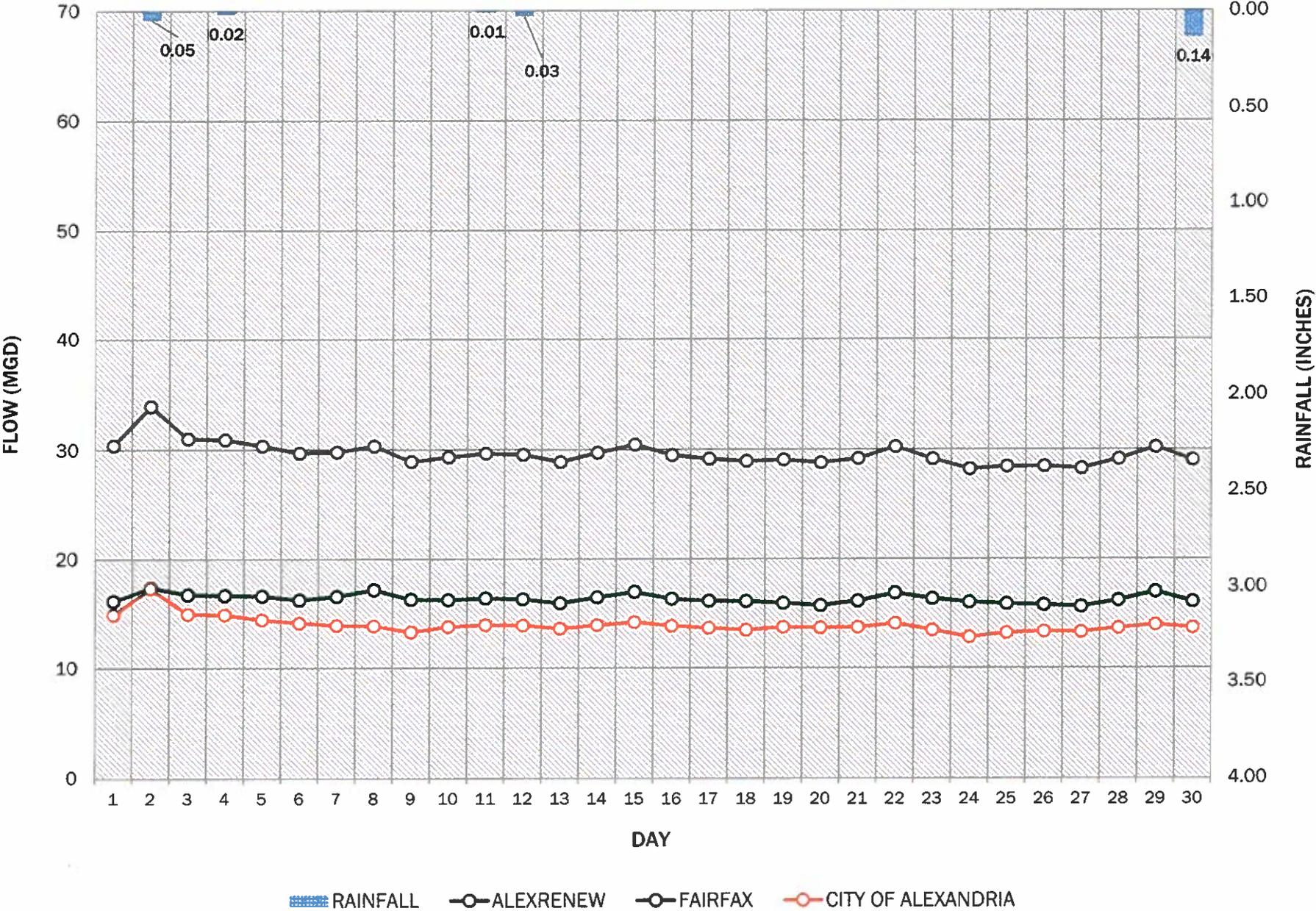
From April 30, 2018, we have logged 228,360 hours without a lost time accident.

As always, thank you for your dedicated service to AlexRenew.

Regards,

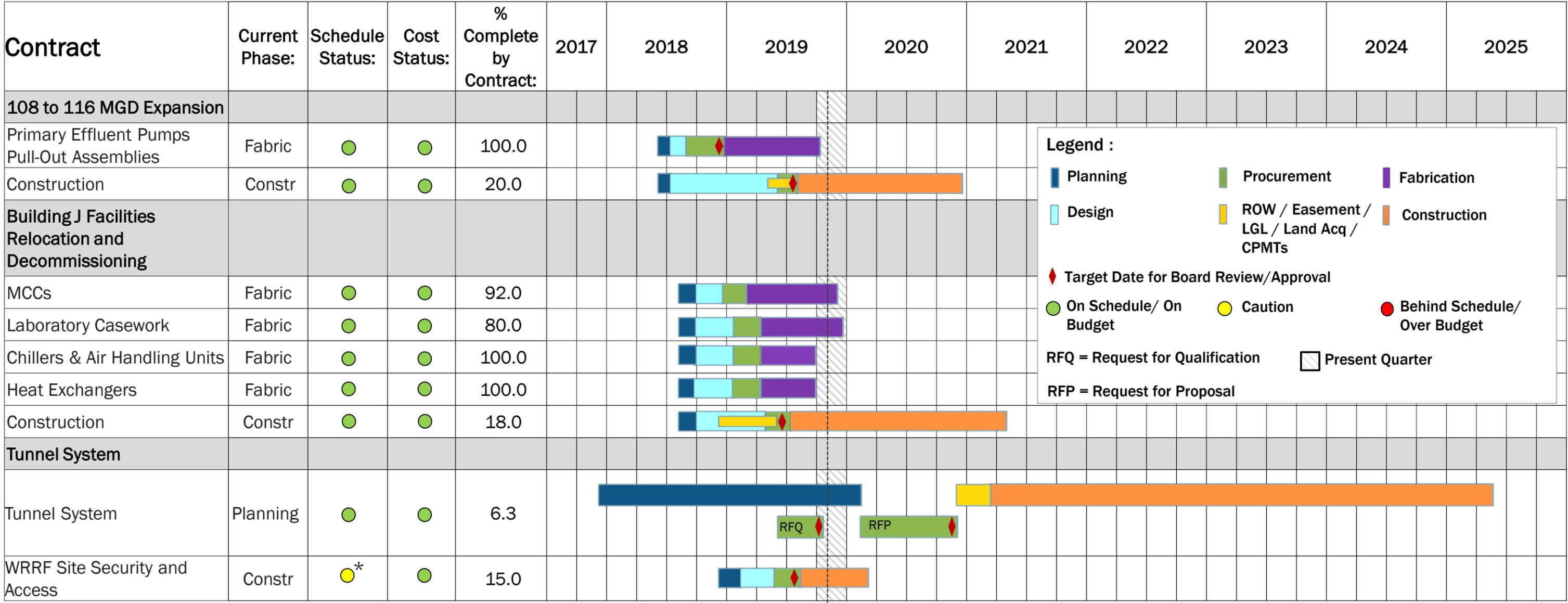
Karen Pallansch
Chief Executive Officer

ALEXRENEW DAILY FLOWS, SEPTEMBER 2019





Program Schedule



* Contractor issue with receipt of permits and submission of shop drawings. No impact to Tunnel System Project anticipated at this time.

October 31, 2019

Summary of Upcoming Activities

Date:	Upcoming Activities:
12/3/2019	Council-Board Workgroup Meeting
12/12/2019	Stakeholder Advisory Group Meeting No. 6



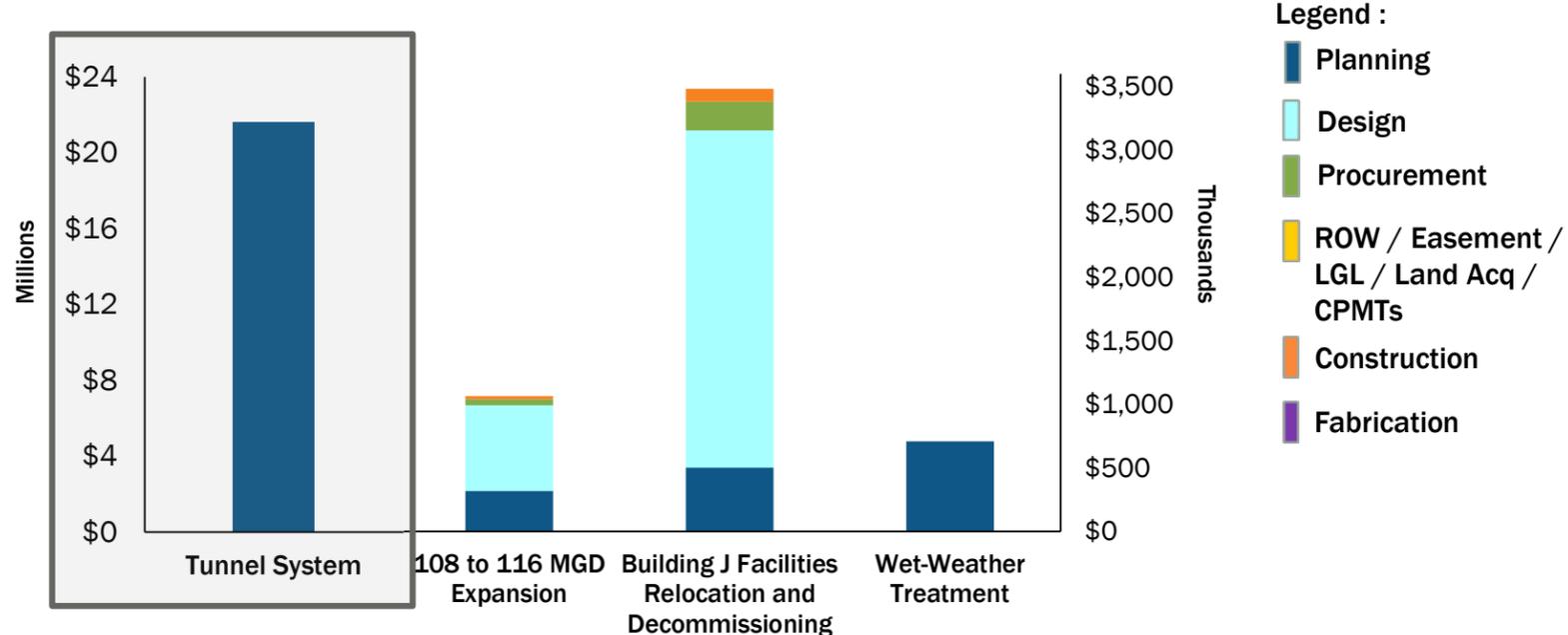
Contract Award Status

Contract	Contract No.:	Date of Contract Award:	Vendor:	Contract Amount:	Notice to Proceed:	Construction / Services Start Date:	Construction / Services Finish Date:
108 to 116 MGD Expansion							
Primary Effluent Pumps Pull-Out Assemblies	19-001	12/19/2018	Flowserve	\$235,478 ³	12/20/2018	12/21/2018	9/23/2020
Construction	19-072	7/26/2019	ACE	\$2,665,000	7/29/2019	7/29/2019	11/30/2020
Wastewater Services Resident Engineering & Inspection ¹	19-031	6/11/2019	Hazen and Sawyer, P.C.	\$522,120	N/A	7/2/2019	6/30/2024
Engineering Services During Construction (ESDC) ²	14-017-2	7/11/2019	CH2M Hill Engineers, Inc	\$280,320	N/A	7/12/2019	11/30/2020
Building J Facilities Relocation and Decommissioning							
MCCs	19-016	2/26/2019	Rexel	\$42,068 ⁴	2/27/2019	2/27/2019	10/30/2020
Lab Casework	19-017	4/4/2019	Nycom	\$432,307	4/8/2019	4/8/2019	10/30/2020
Chillers and Air Handling Units	19-018	4/1/2019	Johnson Controls	\$435,522	4/3/2019	4/3/2019	10/30/2020
Heat Exchangers	19-019	4/1/2019	United Energy Products	\$51,757	4/8/2019	4/8/2019	10/30/2020
Construction	19-064	6/11/2019	Clark	\$19,409,800	7/9/2019	7/9/2019	3/30/2021
Engineering Services During Construction (ESDC) ²	18-006	6/11/2019	CH2M Hill Engineers, Inc	\$885,963	N/A	7/1/2019	3/30/2021
Wastewater Services Resident Engineering & Inspection ¹	19-031	6/11/2019	Hazen and Sawyer, P.C.	\$994,924	N/A	7/2/2019	6/30/2024
Tunnel System							
RiverRenew Owner's Advisor (OA) Scope of Services and Budget for Amendment No. 3	17-022	6/18/2019	Brown & Caldwell	\$16,968,912	N/A	7/1/2019	6/30/2020
Wastewater Services Resident Engineering and Inspection ¹ (Programmatic)	19-031	6/11/2019	Hazen and Sawyer, P.C.	\$346,024	N/A	7/2/2019	6/30/2024
Wastewater Services Resident Engineering & Inspection ¹ (WRRF Site Security and Access)	19-031	6/11/2019	Hazen and Sawyer, P.C.	\$261,060	N/A	7/2/2019	6/30/2024
WRRF Site Security and Access Construction	19-077	7/25/2019	Sorensen Gross Company	\$1,527,000	7/29/2019	7/29/2019	2/1/2020
Total				\$44,276,479			

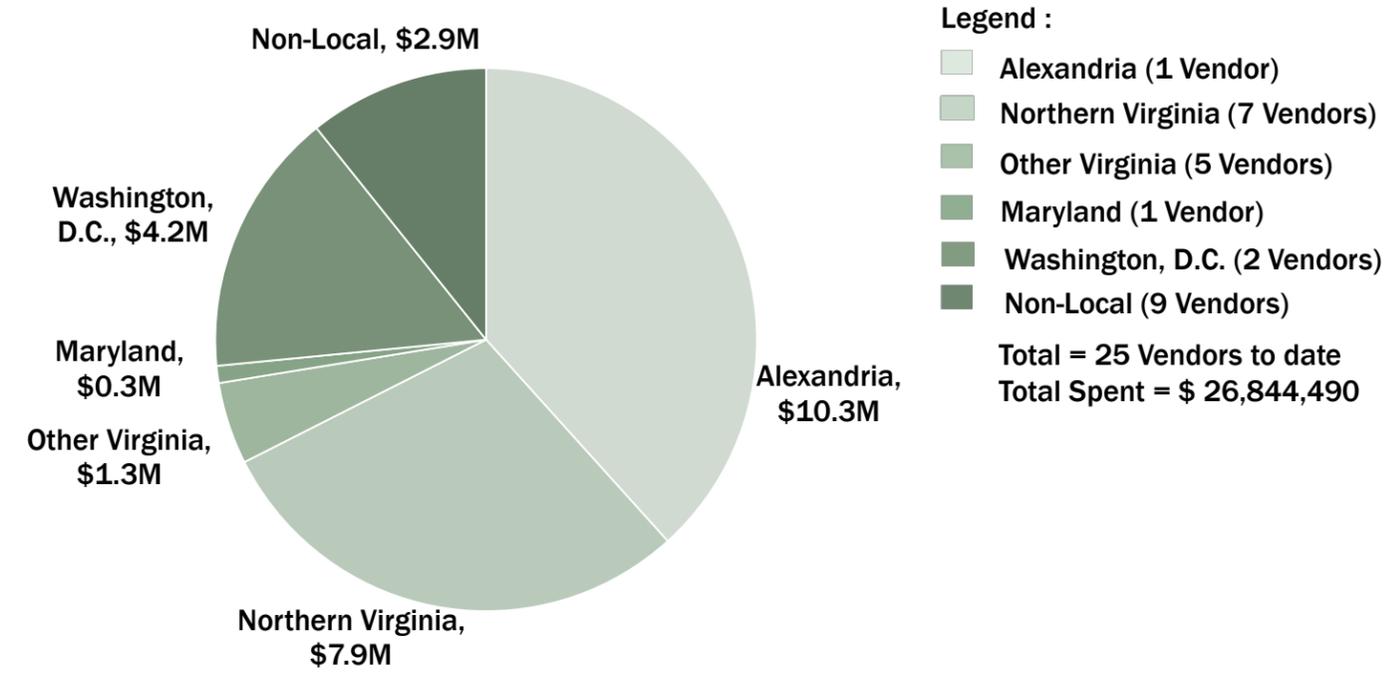
¹ 'Wastewater Services Resident Engineering & Inspection (RE&I)' Contract supports multiple projects. Amounts reported are specific to each project thru FY2020. Total Contract Award was for \$ 2,907,309
² 'Engineering Services During Construction (ESDC)' amounts reported are through FY2020.
³ Original contract award was for \$941,911. Remaining contract value of \$706,434 assigned to Contract 19-072 as of September 6, 2019.
⁴ Original contract award was for \$280,453. Remaining contract value of \$238,385.02 assigned to Contract 19-064 as of October 31, 2019.



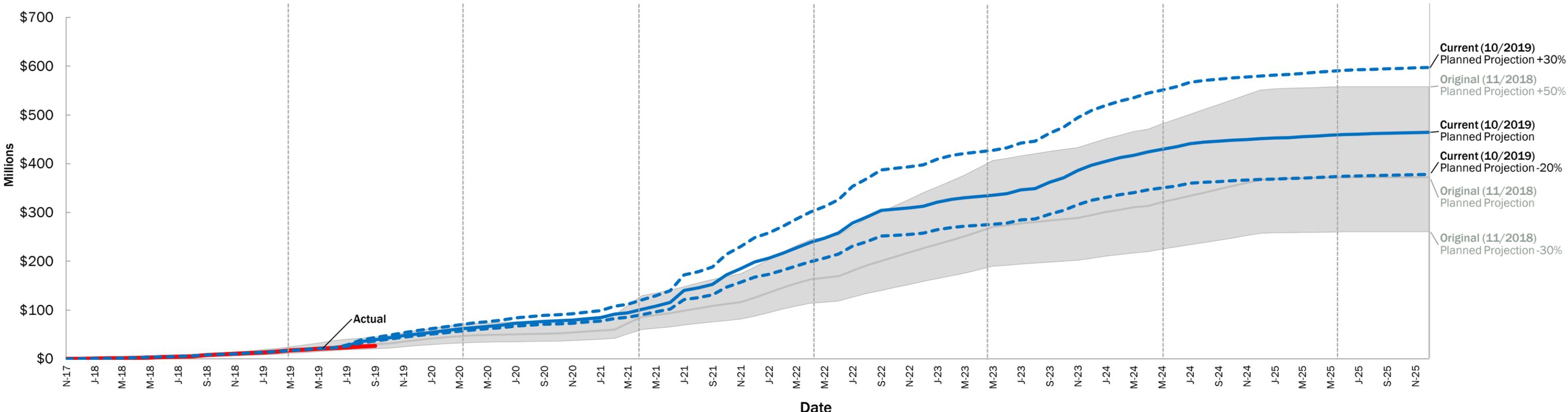
Project to Date Cost by Phase*



RiverRenew Spent to Date by Locality*



RiverRenew Cashflow*



* Spent thru 10/30/2019

Summary of Accomplished Milestones

Date:	Accomplished Milestones:
10/7/2019	Shortlisted Three Design-Build Teams for Tunnel System Project
11/12/2019	Issued Tunnel System Resident Engineering & Inspection RFP

Tunnel System Contract Permit Status and Descriptions

Permit/Activity:	Anticipated Date of Completion:	Status:	Description:
National Park Service (NPS) Special Use Permits (SUP)	Completed	● Received modified SUPs for Jones Point Park on 7/23/2019 and for Potomac River on 7/25/2019	Required for Phase B geotechnical investigations within Jones Point Park and Potomac River
U.S. Army Corps of Engineers (USACE) Nationwide Permit (NWP) #6	Completed	● Received modified NWP #6 on 7/25/2019	Required for Phase B geotechnical investigations within Potomac River and/or wetlands
Virginia Department of Transportation (VDOT) Land Use Permits (LUP)	11/7/2019	● Received LUP for soil boring. Submitted LUP application for tunnel crossing on 8/30/19	Required for deep tunnel crossing under, and geotechnical investigations within VDOT limited access right-of-way
City of Alexandria Development Special Use Permit (DSUP) Tunnel System (DSUP No. 2018-0020)	Completed	● Received unanimous City Council approval on 7/9/2019	Required for the approval of RiverRenew's tunnel system and diversion facilities
City of Alexandria Development Special Use Permit (DSUP) Tunnel Dewatering Pumping Station (DSUP No. 2019-0013)	Completed	● Received unanimous City Council approval on 9/14/2019	Required for the approval of the new Tunnel Dewatering Pumping Station and associated superstructure
Environmental Assessment (EA)	January 2020	● EA was issued on 6/19/2019. Public Comment period ended 7/19/2019. NPS concurred with draft FONSI and will issue Decision Document upon execution of Programmatic Agreement	Required to comply with the National Environmental Policy Act (NEPA) as RiverRenew will need NPS permits. Prepared in coordination with the NPS as the lead federal agency
Joint Permit Application	1/15/2020	● Submitted permit application on 9/12/2019	Required application for Clean Water Act permits. A single application is sent to USACE, Virginia Department of Environmental Quality (VDEQ) and Virginia Marine Resources Commission (VMRC) to request authorization for all RiverRenew wetland/stream impacts
NPS Construction/Right-of-Way Permits	2/1/2020	● Finalizing permit applications	Required for diversion facility construction within, and deep tunnel crossing under Jones Point Park. Also required for Outfall 001 extension and deep tunnel crossing under Potomac River bed
Flood Emergency Management Agency (FEMA) Letter of Map Revision (LOMR)	N/A	● City determined the Tunnel System project has no significant impact on floodplain	No LOMR required from FEMA
U.S. Army Corps of Engineers (USACE) Nationwide Permit (NWP) #18	Completed	● NWP #18 received 6/10/2019	Required for wetland impacts associated with contractor trailers, staging, and laydown areas on the WRRF campus.

 **RiverRenew Accomplishments ***

Third Party Coordination	Planning & Design	Community Engagement	Construction
 14 Permits Approved	 Long Term Control Plan Update Approved June 2018	 36 Events Hosted	 \$24M Awarded for Construction
 11 Permits Underway	 Ownership of Outfalls Transferred June 2018	 44 Community Presentations	
 10 Easements Underway	 Preliminary Engineering Report Finalized March 2019	 RiverRenew.com Launched July 2018	
 Environmental Assessment Published June 2019	 Tunnel System Bidding Documents RFP at 60% Completed September 2019		
 VPDES Permit Issued September 2018	 76 Soil Borings Completed		
 Clean Water Revolving Loan Fund Preliminary Approval October 2019	 Tunnel System RFQ Released June 2019		
 Water Infrastructure Finance and Innovation Act Letter of Interest Accepted & Invitation to Apply October 2019	 Tunnel DSUP Approved July 2019		
 Virginia \$25M CSO Grant Approved by GA			

* Since January 2018



Program Breakdown Summary by Project

<p>108 to 116 MGD Expansion</p>	<p>Upgrade front-end capacity of the plant from 108 to 116 mgd</p>	<ul style="list-style-type: none"> • Upgrade of the primary effluent pumps • Modifications to the filter effluent backwash
<p>Building J Facilities Relocation and Decommissioning</p>	<p>Building J relocation of building uses and demolition</p>	<ul style="list-style-type: none"> • Relocation of WRRF lab, WRRF electrical equipment, and WRRF chillers • Construction of a new lab • Disconnection and relocation of building utilities • Demolition of Building J and hauling of materials off-site • Building G/2 roof replacement
<p>Tunnel System</p>	<p>Waterfront Tunnel</p>	<p>Storage and conveyance tunnel to control overflows from Outfalls 001 and 002</p> <ul style="list-style-type: none"> • Installation of a 12-ft inside diameter reinforced concrete tunnel • Construction of four shafts ranging from 35 to 65 feet inside diameter, two diversion chambers, and one overflow structure • Installation of two below-grade ventilation control vaults
	<p>Hooffs Run Interceptor</p>	<p>Diversion sewer to control overflows from Outfalls 003 and 004</p> <ul style="list-style-type: none"> • Installation of an open-cut diversion sewer with an inside diameter of 6-ft which will replace a portion of the existing Commonwealth Interceptor • Construction of one diversion chamber • Relocation of Outfall 004
	<p>Tunnel Dewatering and Wet Weather Pumping Station</p>	<p>Installation of tunnel dewatering pumps and wet weather pumps</p> <ul style="list-style-type: none"> • Installation of a 20 mgd pumping station and 130 mgd pumping station in a 65-ft diameter shaft • Installation of a screening facility and gantry crane in a 35-ft diameter shaft • Superstructure to house gantry crane and odor control equipment • Installation of electrical and instrumentation equipment
	<p>WRRF Site Security and Access</p>	<p>Improvements to four existing gates and perimeter fencing</p> <ul style="list-style-type: none"> • Installation of one new rollup gate and security booth under garage overhang south of Limerick Street • Installation of a new walkway along the South Bridge crossing Hooffs Run • Replacement of three existing gates and installation of three security booths

November Association Meetings | Alexandria Civic

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	<p>Lynhaven Civic Assn. 7:00p Cora Kelly Rec Center 25 W. Reed Ave. Jim Beall</p>	4	5	6	7	8
10	<p>North Ridge Citizens Assn. 7:30p – Beverly Hills United Methodist, 3512 Old Dominion Blvd - Bruce Johnson</p>	11	12	13	14	15
			<p>Del Ray Citizens Assn. 6:30p Del Ray United Methodist Church, 100 E. Windsor Ave. – Jim Beall</p> <p>Old Town Civic Assn. 7p-Social, 7:30p-Mtg. Lyceum 201 S. Washington St. Bill Dickinson</p>		<p>Seminary Hill Assn. 7:30p-Immanuel Church on the Hill, 3606 Seminary Rd. Bill Dickinson</p> <p>West Old Town Citizens Assoc. 7:30pm – Durant Arts Ctr., 1605 Cameron St. Vacant</p> <p>North Old Independent Citizens Assoc. 7:00p – 401 Wythe St. - Patti Turner</p>	16
17	18	19	20	21	22	23
			<p>Park Fairfax Unit Owners Assn. 7:00p-Assn. Office, 3360 Gunston Rd. Bruce Johnson</p> <p>Wakefield Tarleton Citizens Assn. 6:30p-TBD Bill Dickinson</p>			
24	25	26	27	28	29	30
	<p>Lenox Park @ Sunnyside HOA 7:00p – Beverly Hills United Methodist, 3512 Old Dominion Blvd - Vacant</p>	<p>Cameron Station Civic Assn. 7:00p – Cameron Club, Kilburn St. & Ben Brenman Park Dr. Vacant</p>	<p>Alex. Federation of Civic Assn. 7:00p City Hall, Rm. 2000 Bill Dickinson</p>			

December 2019 Association Meetings | Alexandria Civic

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 Lynhaven Civic Assn. 7:00p Cora Kelly Rec Center 25 W. Reed Ave. Jim Beall	3	4	5	6	7
8	9 North Ridge Citizens Assn. 7:30p – Beverly Hills United Methodist, 3512 Old Dominion Blvd - Bruce Johnson	10	11 Del Ray Citizens Assn. 6:30p Del Ray United Methodist Church, 100 E. Windsor Ave. – Jim Beall Old Town Civic Assn. 7p-Social, 7:30p-Mtg. Lyceum 201 S. Washington St. Bill Dickinson	12 Seminary Hill Assn. 7:30p-Immanuel Church on the Hill, 3606 Seminary Rd. Bill Dickinson West Old Town Citizens Assoc. 7:30pm – Durant Arts Ctr., 1605 Cameron St. Vacant	13	14
15	16	17	18 Park Fairfax Unit Owners Assn. 7:00p-Assn. Office, 3360 Gunston Rd. Bruce Johnson Wakefield Tarleton Citizens Assn. 6:30p-TBD Bill Dickinson	19	20	21
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29	30	31				

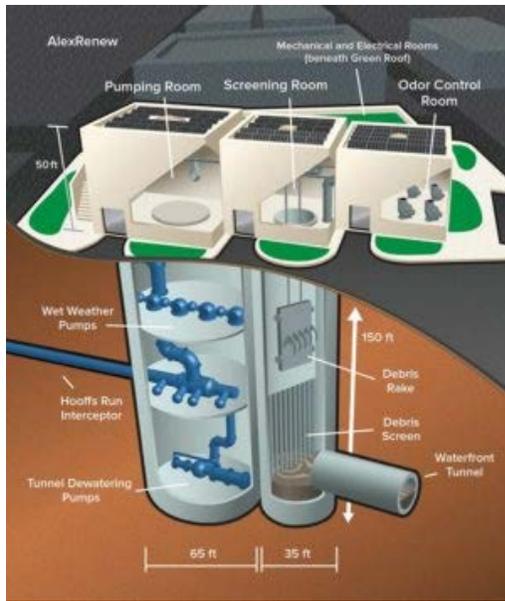
RiverRenew Battles Red Tape to Get Alexandria Sewer Project Done on Time

[Vernon Miles](#) November 4, 2019 at 3:30pm



[RiverRenew](#) has a lot of tunneling to get through and not a lot of time.

Over the city's objections, the state has [required](#) Alexandria to completely reform its sewer system by 2025. The city has [assigned that task](#) to [Alexandria Renew Enterprises](#) (AlexRenew), which in been pushing forward with [RiverRenew](#) — the largest infrastructure project in Alexandria's history, estimated to cost between \$370 and \$555 million.



The pieces of the project are coming together, but the clock is ticking. Caitlin Feehan, program manager for RiverRenew, said that experience from other tunneling programs puts the estimated construction schedule at four and a half years, which includes accounting for construction delays.

To accomplish the project before the deadline, Feehan said her team is working to get as much of the red tape checked off simultaneously.

“It’s a realistic timeframe for construction because the phase we’re in right now... we’re going through the process of simultaneous planning, preliminary engineering and permitting,” Feehan said. “It’s putting a lot of stress in this stage but ensures a realistic timeframe.”

Environmental assessments earlier this year helped establish the plans for building tunnels underneath Old Town to carry sewage to a new [pumping station](#) at AlexRenew’s Water Resource Recovery Facility at 1800 Limerick Street. The pumping station — which will run 150 feet below ground — was approved by the City Council in September.

There were some concerns earlier this year that the [federal government shutdown](#) could hurt the timeline for the environmental assessment, Feehan said, but the program was able to work with the National Park Service to keep the process moving forward.

“It’s a challenge to make sure we’re on schedule,” Feehan said, “but [we have an] experienced staff that knows how to mitigate risk.”

Feehan said various teams will come in, go through the process of finishing out final designs for the project, then get permits.

Currently, construction is scheduled to start in mid-2021. Feehan said teams will use a [state of the art tunneling machine](#) that will be drilling 100 feet underground — deep enough that the underground activity should cause no disruption on the surface. RiverRenew will also be working simultaneously on the new pumping station to ensure that the project is ready to go online as soon as the tunnels are ready.

The final result, Feehan said, will be sewers that capture 98% of discharge sewer flow — as opposed to dumping [millions of gallons of sewage](#) into the Potomac River when it rains — putting the city sewer system in compliance with the state’s demands.

Top photo via [Alexandria Renew Enterprises/Facebook](#)