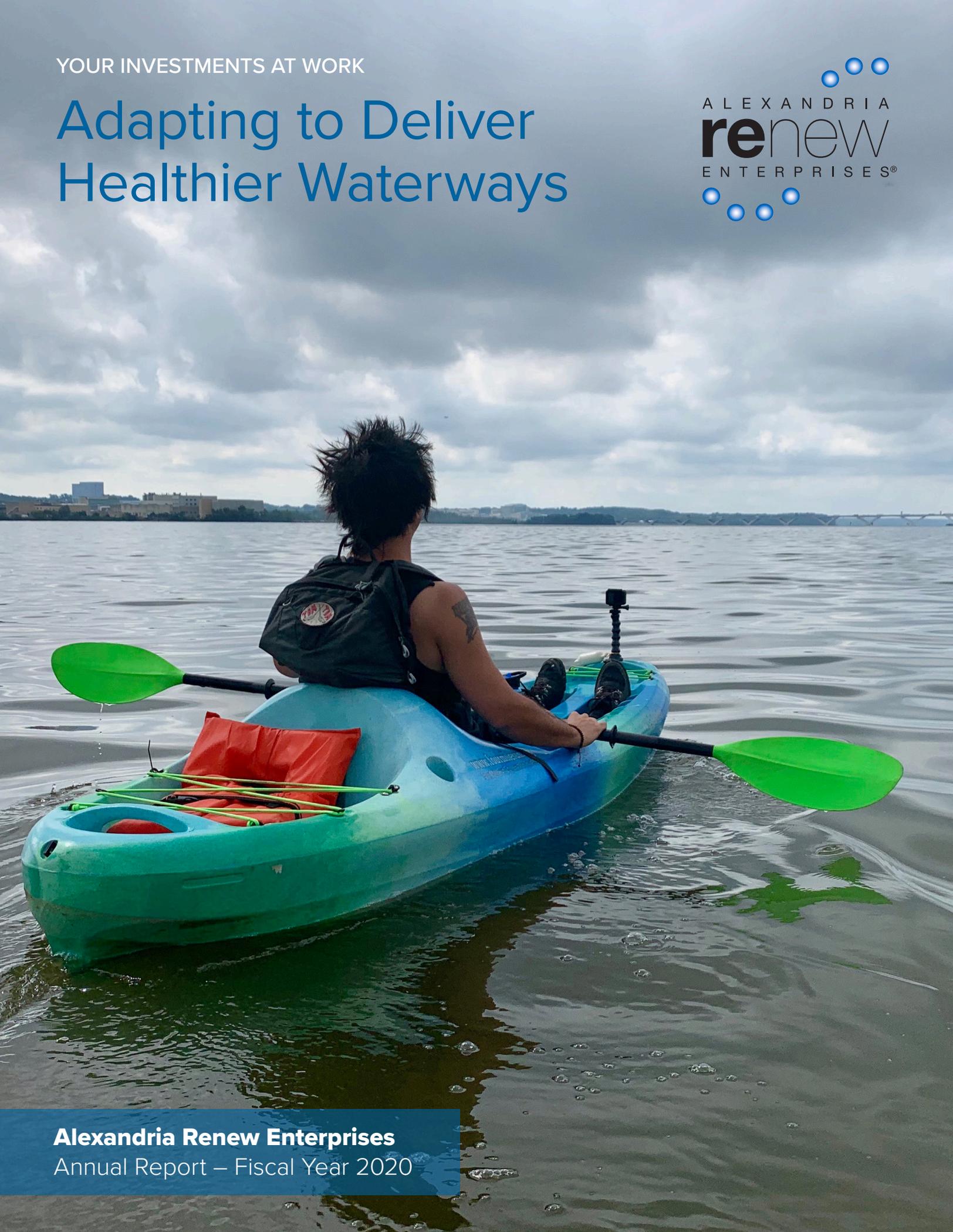


YOUR INVESTMENTS AT WORK

Adapting to Deliver Healthier Waterways



Alexandria Renew Enterprises
Annual Report – Fiscal Year 2020

We've Overcome Exceptional Challenges to Provide an Essential Service to Our Community

ABOUT ALEXRENEW

The vital mission of Alexandria Renew Enterprises (AlexRenew) is to manage our community's wastewater and improve the health of the waterways that connect us. On average, AlexRenew cleans 35 million gallons of wastewater every day at our 32-acre Water Resource Recovery Facility (WRRF). AlexRenew is a special-purpose authority led by a five-member citizen board, serving the City of Alexandria and parts of Fairfax County.

\$1B

in assets maintained

64 YEARS

of providing our essential service



Over 300,000 customers

served in Alexandria and parts of Fairfax County



35 million gallons
of water cleaned daily

13 billion gallons
of water cleaned annually

A Message from Our Board of Directors

Clean waterways are essential to our future. Each day, the dedicated staff at AlexRenew work around the clock to turn millions of gallons of used water into usable, clean water in order to fulfill on our mission of providing healthier waterways for our local community.

2020 has been an unprecedented year, and the need to adapt has been top of mind for everyone. From the implementation of new safety protocols across AlexRenew's Water Resource Recovery Facility to ensure the health of our staff to recognizing the hardships within our community by providing rate relief, my board colleagues and I could not be prouder of the work our staff has done to help AlexRenew continue to be the environmental anchor in our community.

In a first for us – and for many utilities of our kind – this year we welcomed our first-ever artist-in-residence, sTo Len, to AlexRenew. sTo creates in several different mediums and is using his creativity to develop works of art that will engage the public and strengthen their connection to the work AlexRenew is doing. We've also worked to remain connected with the community through videos of our ongoing construction projects, virtual "introductions" to our staff members, and a full week of fun, family-friendly virtual activities as part of Water Discovery Week.

AlexRenew is also staying full steam ahead on construction upgrades at our facility. Construction projects are moving forward smoothly and efficiently while our construction partners continue to follow pandemic protocols to protect workers' health.

The RiverRenew Tunnel System Project is still on track to meet the July 2025 deadline. Permitting and planning with both local and national agencies is almost finished. AlexRenew is committed to staying on schedule and using our resources wisely to complete this important project that will bring economic vitality to Alexandria through cleaner waterways.

As we continue to adapt and fulfill on our vital mission to manage our community's wastewater and improve the waterways that connect us, my board colleagues and I continue to be inspired by the commitment of our team of dedicated water transformers. We thank them – and all of you in our community – for your continued support.

We look forward to all that we'll achieve together in the coming years.



John Hill
Chair



James Beall
Vice Chair



Bill Dickinson
Secretary-Treasurer



Bruce Johnson
Member



Adriana Caldarelli
Member

We're Adapting to Keep Operations Running 24/7 While Keeping Staff Safe



Keeping our community healthy by working for cleaner waterways



Protecting employee health while maintaining operations



100% compliance, 100% of the time

HOW WE'VE ADAPTED TO THE COVID-19 PANDEMIC

AT ALEXRENEW'S WRRF:



Daily screenings



Hand-washing stations



Face masks and social distancing



Disinfection of facilities



Teleworking and alternating schedules

IN OUR COMMUNITY:



Budget and rate amendments



Suspended late fees and service disruptions



Halting water shutoffs and restoring service



Extended payment plans and assistance

OUR WATER QUALITY COMMITMENT

100

water transformers
working at AlexRenew



151 employee-held
licenses and certifications

100%

compliance
with water quality
requirements

OPERATIONS AND MAINTENANCE

~22,000

tons of biosolids produced



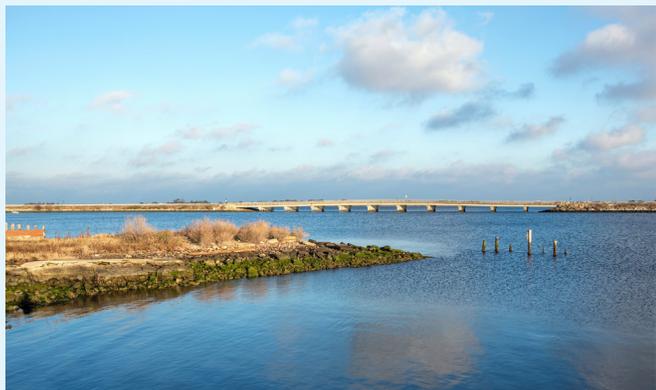
>94%

removal of nitrogen



>98%

removal of phosphorus



>11,000

assets managed

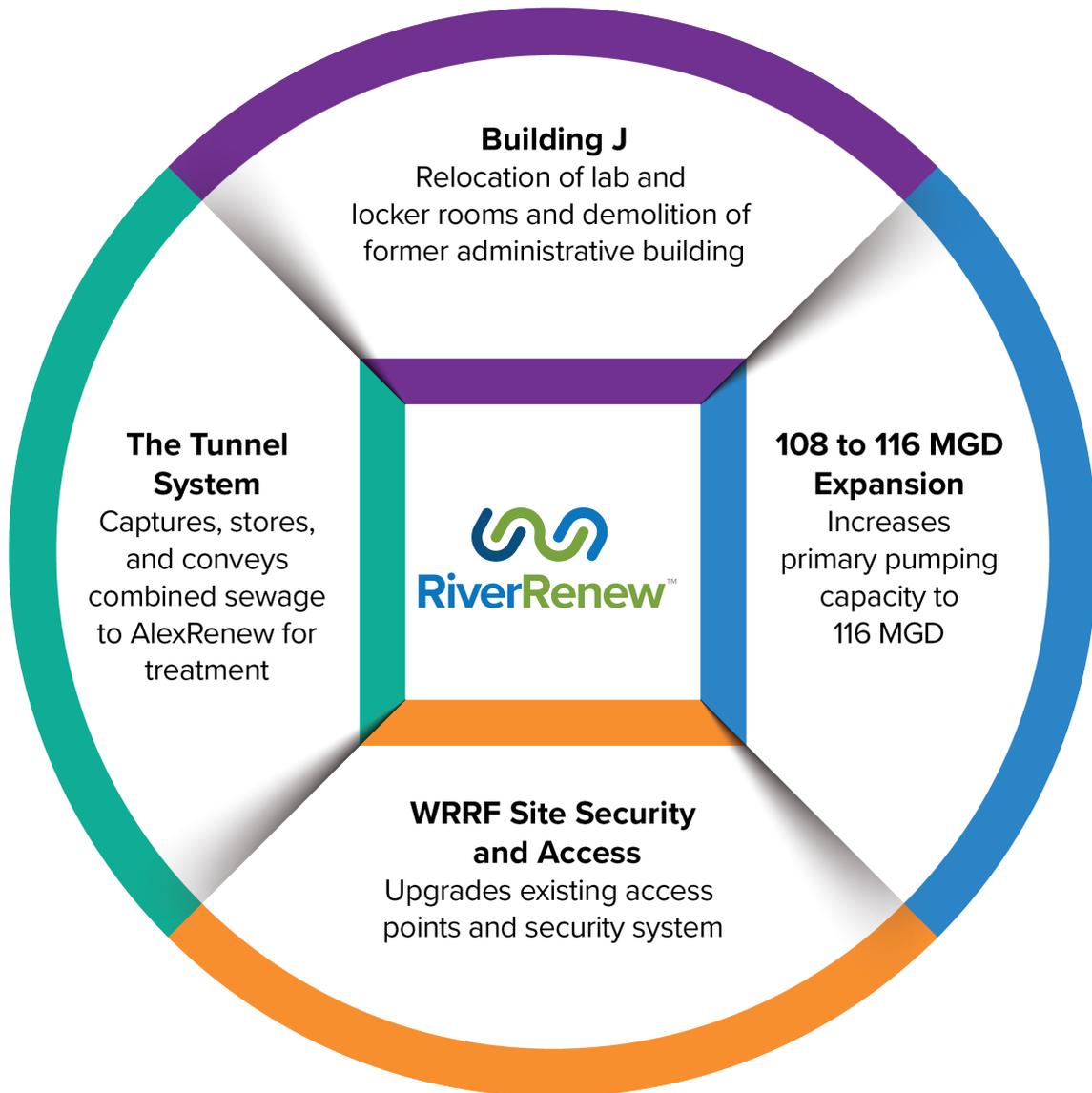


We're on Track to Deliver Healthier Waterways by 2025

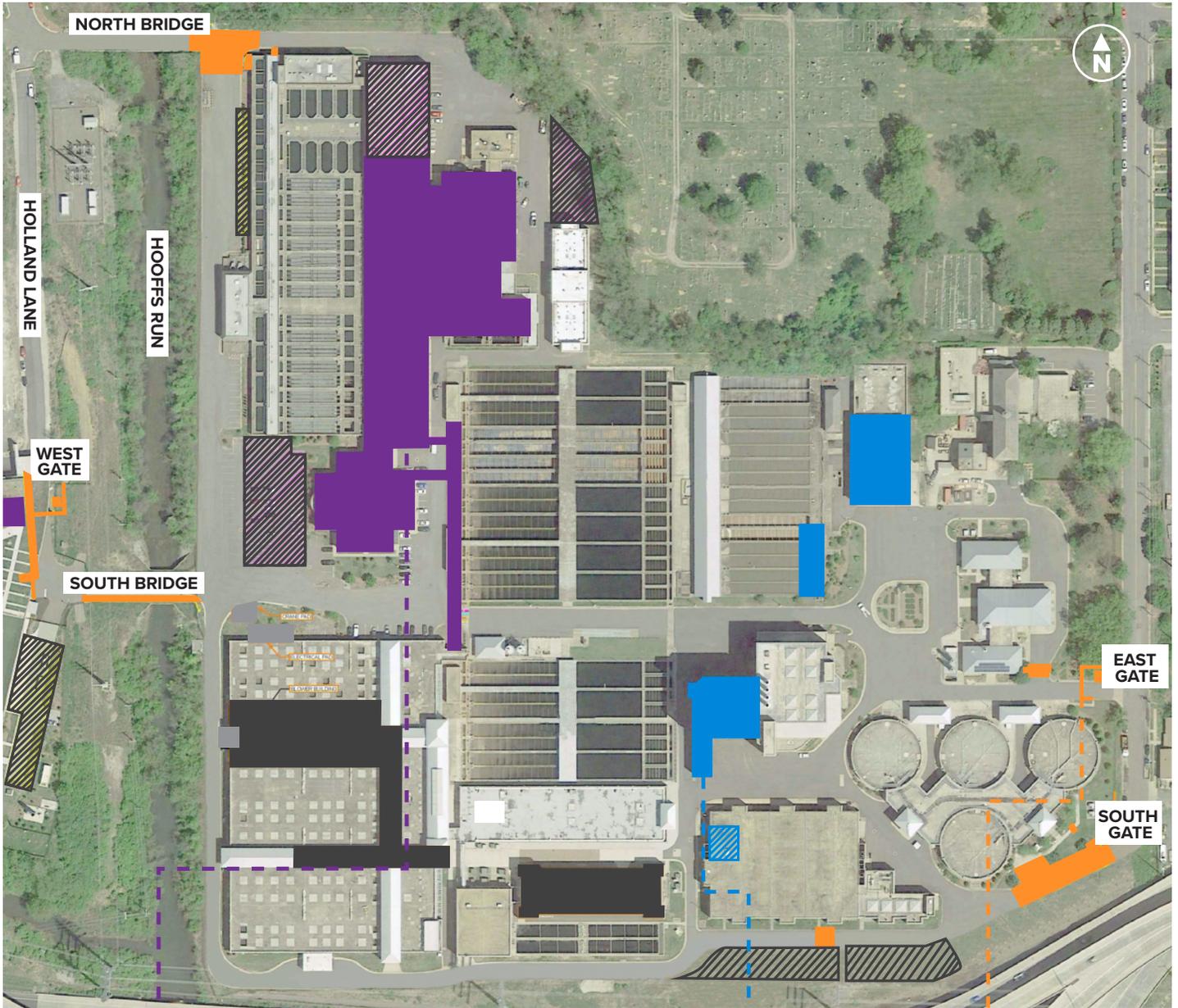
RIVERRENEW

By combining a deep tunnel system with upgrades to AlexRenew facilities, the RiverRenew program will prevent 130 million gallons of combined sewage from entering local rivers and streams each year.

RiverRenew is vital to the health of our waterways, and AlexRenew is committed to investing in this important project that will bring economic vitality to Alexandria through cleaner waterways.



ONGOING RIVERRENEW CONSTRUCTION PROJECTS AT ALEXRENEW'S WATER RESOURCE RECOVERY FACILITY (WRRF)



Building J Facilities Relocation and Decommissioning Project
New lab and locker rooms completed in October 2020



108 to 116 MGD Expansion Project
Pumps installed and operational in October 2020



WRRF Site Security and Access Project
New gates and guard booths installed and operational in September 2020

 Project staging areas

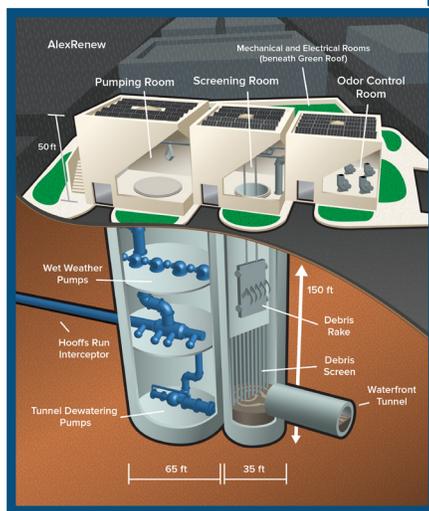
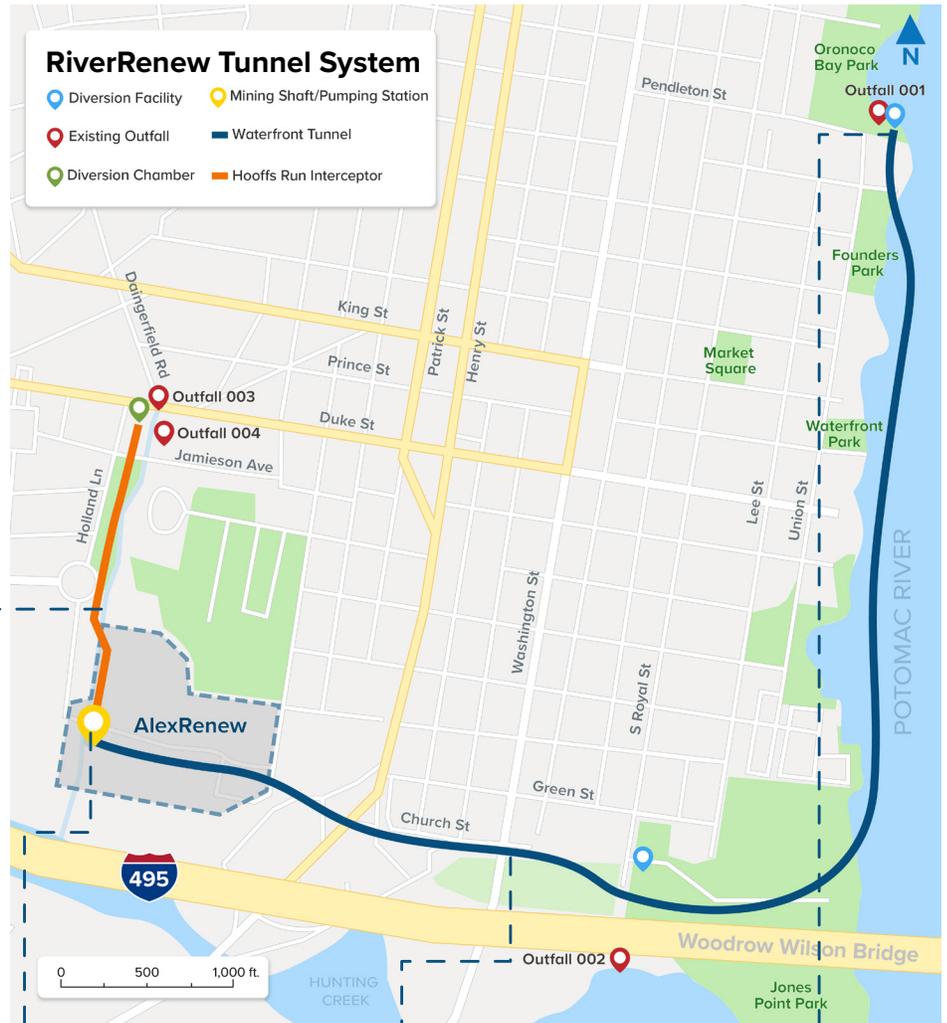
RIVERRENEW TUNNEL SYSTEM PROJECT

The new tunnel system will connect to four existing combined sewer outfalls and prevent sewage from overflowing into local waterways during rain events. Diversion facilities will divert combined sewage into the new tunnel system and transport these flows to AlexRenew for treatment. Construction on the new tunnel system is on schedule to begin in early 2021.

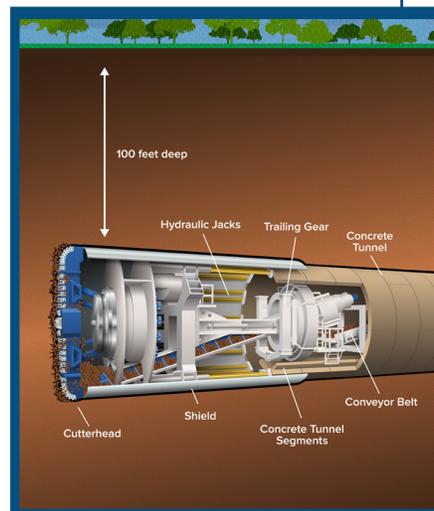
TUNNEL SYSTEM PROJECT COMPONENTS



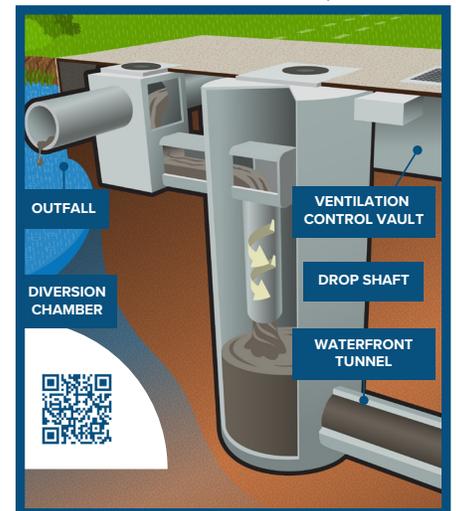
Hooffs Run Interceptor



Tunnel Dewatering and Wet Weather Pumping Station



Tunnel Boring Machine



Diversion Facility

AlexRenew Continues to Be an Anchor in the Community

MOXIE AND CLOE

Moxie, AlexRenew's water-cleaning, nitrogen-eating mascot, and her new friend Cloe the Tunnel Boring Machine are working together to help spread the word about all the ways AlexRenew is continuing its vital mission of creating healthier local waterways.



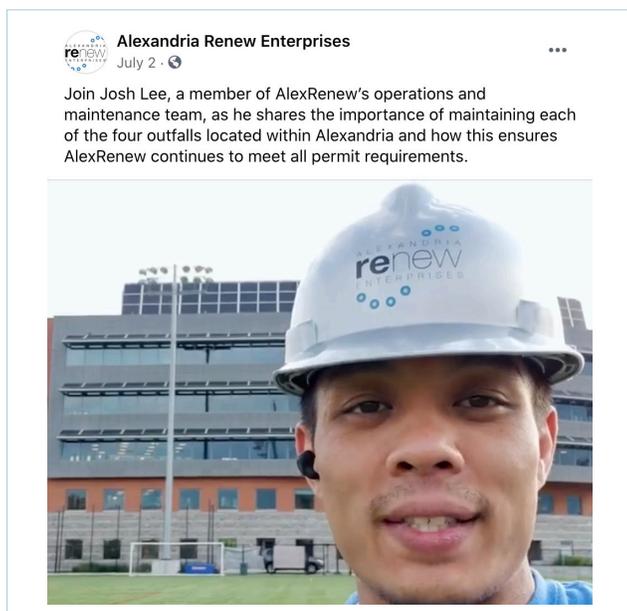
ARTIST-IN-RESIDENCE

sTo Len, AlexRenew's first artist-in-residence, encourages interaction with the work AlexRenew is doing to clean our water. Learn more about sTo Len and the program [here](#).



SOCIAL MEDIA OUTREACH

Weekly posts on Facebook and Twitter offer area residents the latest RiverRenew updates. See one of our favorites [here](#).



WATER DISCOVERY DAYS

In response to the pandemic, AlexRenew's Fourth Annual Water Discovery Day went virtual this year, with a week's worth of video activities shared to engage the community in our mission.

A graphic titled "WATER DISCOVERY WEEK EVENTS" with a blue border and water droplet patterns. It lists a series of virtual events from Sunday, September 6 to Saturday, September 12. The events include a self-guided local waterways bike tour, a water filter activity, a pump station activity, a water cycle activity, a 4MR conservatory and master gardeners tour, a virtual art experience, and a watershed clean-up. Logos for "ONE WATER" and other partners are visible in the top right corner.

WATER DISCOVERY WEEK EVENTS

Sunday, September 6
Self-guided Local Waterways Bike Tour

Monday, September 7
City of Alexandria's Nature's Water Filter Activity

Tuesday, September 8
AlexRenew's Create Your Own Pump Station Activity

Wednesday, September 9
Virginia American Water's Water Cycle Activity

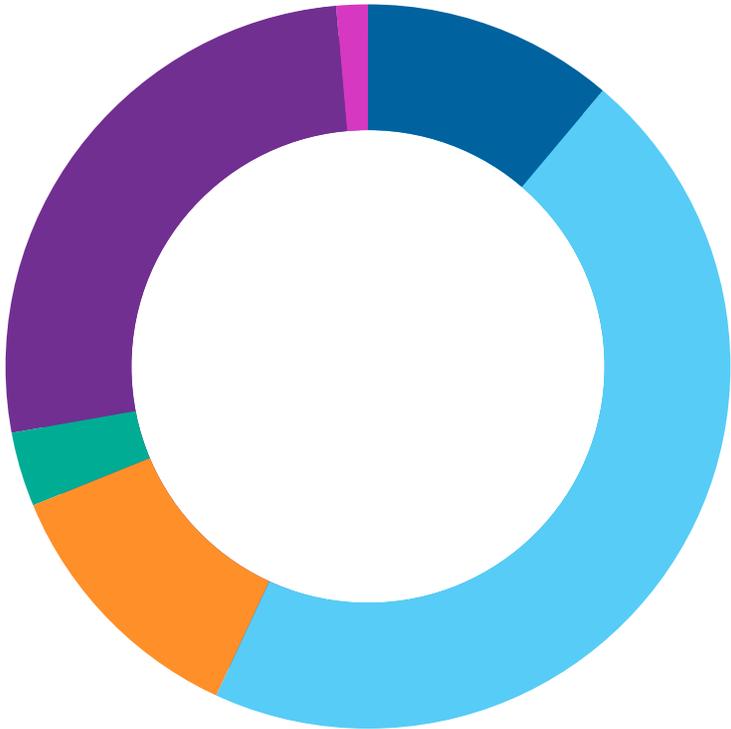
Thursday, September 10
4MR Conservatory & Master Gardeners: Partners In Watershed Protection

Friday, September 11
AlexRenew's Artist in Residence, sTo Len's Virtual Art Experience

Saturday, September 12
Potomac Riverkeeper Network's Potomac River Watershed Clean-up (or lead your own in your neighborhood)

Your Investment in Healthier Waterways Helps Us Create a Sustainable Water Future

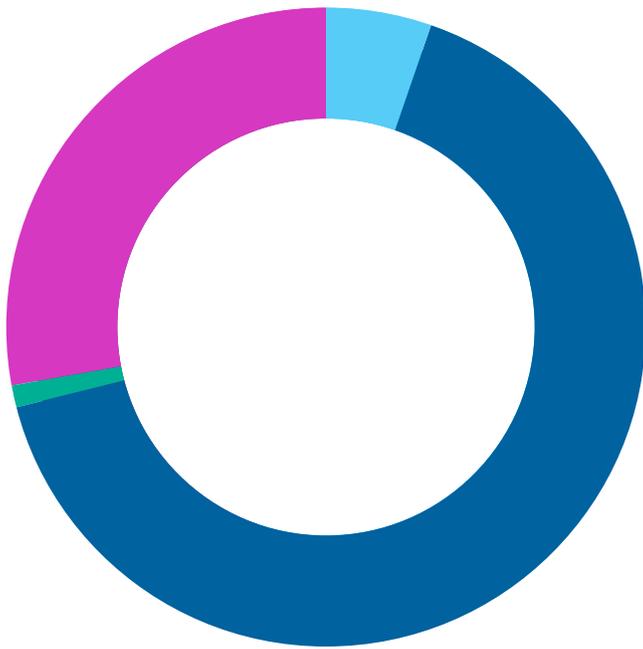
We manage our financial resources to run an efficient and resilient organization that contributes to the health of the economy.



- City of Alexandria Residents' Wastewater Treatment Charges: \$43,748,538
- Fairfax County Operating Charges: \$10,759,863
- State Grant Revenues: \$25,003,202
- Fairfax County Improvement, Renewal, and Replacement Contributions: \$3,194,545
- Fairfax County Capital Project Contribution: \$11,379,013
- Investment Income: \$1,327,691

HOW WE TURN YOUR INVESTMENT INTO CLEAN WATER

AlexRenew’s budget includes funding for day-to-day operations; ongoing maintenance through the Improvement, Renewal, and Replacement fund; and long-term capital investment. We also pay Arlington County for providing sewer services to a portion of the City. We align spending with our values and vision by dedicating Operational Excellence funding to chemicals, utilities, and other items needed to run the WRRF, while the Adaptive Culture budget funds salaries, benefits, and professional development for our team of water workers. A portion of our budget is also used for debt payments for bonds issued by AlexRenew to fund capital projects.



- Capital Improvement Program: \$59,807,889
- Operating Expenses: \$25,123,943
- Improvement, Renewal, and Replacement: \$5,021,263
- Arlington Sewage Disposal: \$1,150,208

OPERATING BUDGET



OPERATIONAL EXCELLENCE
\$6,764,373



ADAPTIVE CULTURE
\$13,840,103



PUBLIC ENGAGEMENT AND TRUST
\$1,969,649



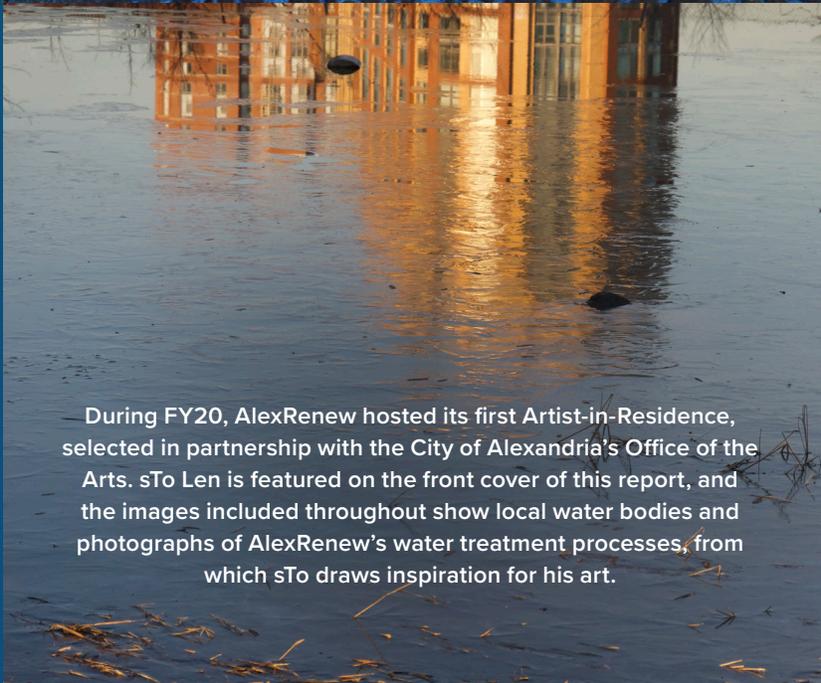
EFFECTIVE FINANCIAL STEWARDSHIP
\$1,344,628



WATERSHED STEWARDSHIP
\$1,205,190



DEBT SERVICE
\$13,817,702



1800 Limerick Street, Alexandria, VA 22314
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During FY20, AlexRenew hosted its first Artist-in-Residence, selected in partnership with the City of Alexandria's Office of the Arts. sTo Len is featured on the front cover of this report, and the images included throughout show local water bodies and photographs of AlexRenew's water treatment processes, from which sTo draws inspiration for his art.