

Annual Report

It takes all hands to keep
our waterways clean.



2022

A MESSAGE

FROM OUR BOARD OF DIRECTORS

From our team of 100+ talented wastewater professionals to our customers who make treating the community's wastewater both fiscally possible and endlessly rewarding, it truly takes all hands to keep our waterways clean.

Over our fiscal year 2022, we worked 24 hours a day, 7 days a week, 365 days a year to purify 13 billion gallons of wastewater. As our team worked tirelessly to meet and exceed our water quality requirements, we achieved recognition for finishing the 2021 calendar year producing exceptional quality treated wastewater, broke ground on the largest infrastructure project in Alexandria's history, and welcomed Hazel, RiverRenew's Tunnel Boring Machine. Together, we invested over \$160 million this fiscal year to ensure operational excellence in improving our community's health through healthier waterways.

But no organization could do all of this alone. Through it all, the people we serve and the waterways they rely on remain at the heart of our mission.

We know our community trusts us to propel us all toward a healthier waterways future. In turn, we have an obligation to ensure they can see exactly how we're investing our time and resources.

To this end, we expanded our online engagement efforts this year while transitioning back to in-person outreach and Environmental Center tours after pandemic constraints eased.

We communicated impacts caused by construction activity, shared updates through a variety of channels to ensure they reached our full audience, and prioritized educating our community on the complicated processes at work behind the scenes of AlexRenew.

We appreciate your support for our work and could not be prouder of our team's dedication to our healthy waterways mission. We'll keep our hands busy as we continue meeting our ambitious mission and goals. Reflecting on all we've accomplished together and looking ahead to the plans we have in store, we're optimistic for the future of Alexandria's waterways.



OUR MISSION

TO KEEP OUR COMMUNITY HEALTHY THROUGH HEALTHIER WATERWAYS

Each year, AlexRenew's Water Resource Recovery Facility purifies 13 billion gallons of wastewater that can be safely returned to local waterways.



Owns and operates 4 pumping stations, 20 miles of interceptors, and 4 combined sewer outfalls



Independent, public authority separate from the City of Alexandria



Protects the Chesapeake Bay by capturing about 2,400 tons of phosphorus and 300 tons of nitrogen each year



Invests over \$50M in healthier waterways annually



Serves over 300,000 customers in Alexandria and, through wholesale service, parts of Fairfax County



Trains the next generation of wastewater professionals through a state-approved apprentice program



HANDS-ON INVESTMENT

2022 MAJOR CAPITAL PROJECTS

Our first commitment at AlexRenew is to protect the health of our community and its waterways. To achieve our healthy waterways mission, we continuously monitor the efficacy of our systems and update them as needed to remain on the cutting edge of wastewater treatment.



NEW PROGRAMMABLE LOGIC CONTROLLERS

Upgrading digital systems to better control equipment and processes and optimize our facility's performance 24/7/365



PRELIMINARY & PRIMARY SYSTEMS UPGRADES

Designing future improvements to the first steps of our wastewater purification processes



PROCESS AIR COMPRESSOR UPGRADES

Installed new turbo blowers to pump air more efficiently to the microbes removing pollutants from our city's wastewater

RIVERRENEW TUNNEL PROJECT

2022 MILESTONES

The largest infrastructure project in Alexandria's history, the RiverRenew Tunnel Project consists of a 2-mile-long, 120-foot-deep tunnel and open-cut interceptor and supporting infrastructure that will capture, store, and transport combined sewage to AlexRenew for treatment.

When we complete this project in July 2025, it will prevent millions of gallons of combined sewage from polluting local waterways every year.



PENDLETON STREET SITE
Completed sheeting installation within Potomac River



HOOFFS RUN SITE
Largely completed installation of support of excavation activities between Duke Street and Eisenhower Avenue

HOOFFS RUN INTERCEPTOR




ALEXRENEW SITE
Excavated 12-story-deep pumping and screening shafts
Welcomed Hazel, the TBM who will dig the Waterfront Tunnel

WATERFRONT TUNNEL



ROYAL STREET SITE
Constructed shaft slurry walls

 Visit [RiverRenew.com](https://www.RiverRenew.com) or scan to learn more about RiverRenew!

IT TAKES 200 HANDS TO KEEP OUR WATERWAYS CLEAN

2022 WATER QUALITY ACHIEVEMENTS AND WORKFORCE DEVELOPMENT

EXTRAORDINARY ENVIRONMENTAL ENTERPRISE

Awarded Extraordinary Environmental Enterprise for AlexRenew's strong environmental record from the Virginia Department of Environmental Quality

GOLD PEAK PERFORMANCE

Awarded Gold Peak Performance Award from National Association of Clean Water Agencies for **no permit violations in calendar year 2021**

LABORATORY OF EXCELLENCE

Certified as Laboratory of Excellence by Virginia Environmental Laboratory Accreditation Program



OUR HIGHLY SKILLED WORKFORCE



20 LICENSED WASTEWATER OPERATORS



11 CERTIFIED MAINTENANCE TECHNICIANS



7 ELECTRICAL JOURNEYMEN



6 PROFESSIONAL ENGINEERS



3 ABC MAINTENANCE TECHNOLOGISTS



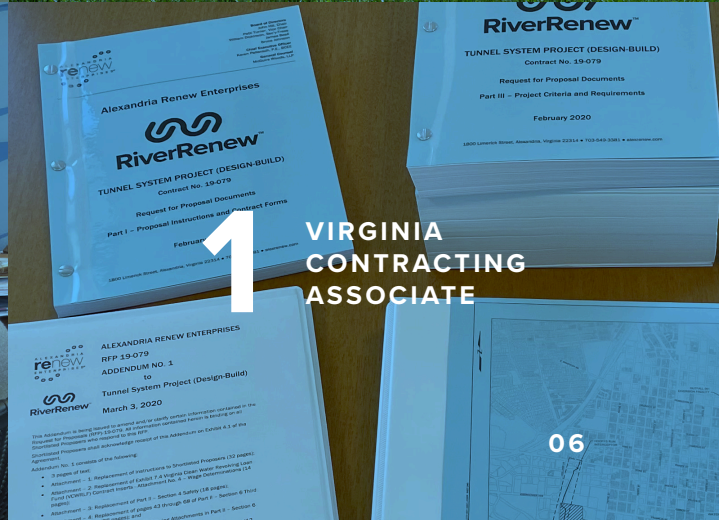
2 ENVISION PROFESSIONALS



1 LEED PROFESSIONAL



1 CERTIFIED PROCUREMENT OFFICER



1 VIRGINIA CONTRACTING ASSOCIATE

IT TAKES ALL HANDS TO KEEP OUR WATERWAYS CLEAN

CONNECTING WITH OUR COMMUNITY

SHARING OUR HEALTHIER WATERWAYS MISSION WITH THE CITIZENS OF ALEXANDRIA



COMMUNITY MEETINGS

- 16 Public Meetings with our Board of Directors
- 4 Public Meetings with the Council-Board Workgroup
- 7 Meetings of the RiverRenew Public Stakeholder Advisory Group



COMMUNITY DAYS

- RiverRenew Tunnel Project Groundbreaking Ceremony
- RiverRenew Tunnel Boring Machine Welcome Reception
- 5 Community Listening Sessions



COMMUNITY EVENTS

- Water Discovery Day
- Imagine a Day without Water
- Alice Ferguson Foundation Potomac River Clean-up



DIGITAL PROGRAMMING

- Social Campaigns Celebrating the Clean Water Act, Women in Construction Week, and More
- A Video Series Introducing the Community to Our Craft Personnel



EDUCATION

A STEM Education Series Helping Students Explore Water Stewardship

Frequent Tours of Our Environmental Center for Local Learning Groups

RiverRenew Learning Activities on Cloe's Corner



COMMUNITY ANCHOR

Ellen Pickering Environmental Award

Public Polling Location for Primary and General Elections

Quarterly Blood Drives with INOVA and Lost Boy Cider

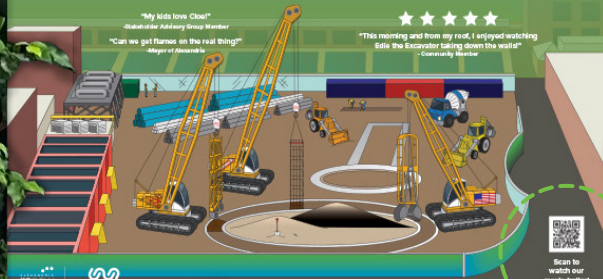


CLOE WAYNE EDIE BLAKE & BRIAN CECE TODD ELAINE SAM



CLOE AND FRIENDS SAVE THE WATERWAYS

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

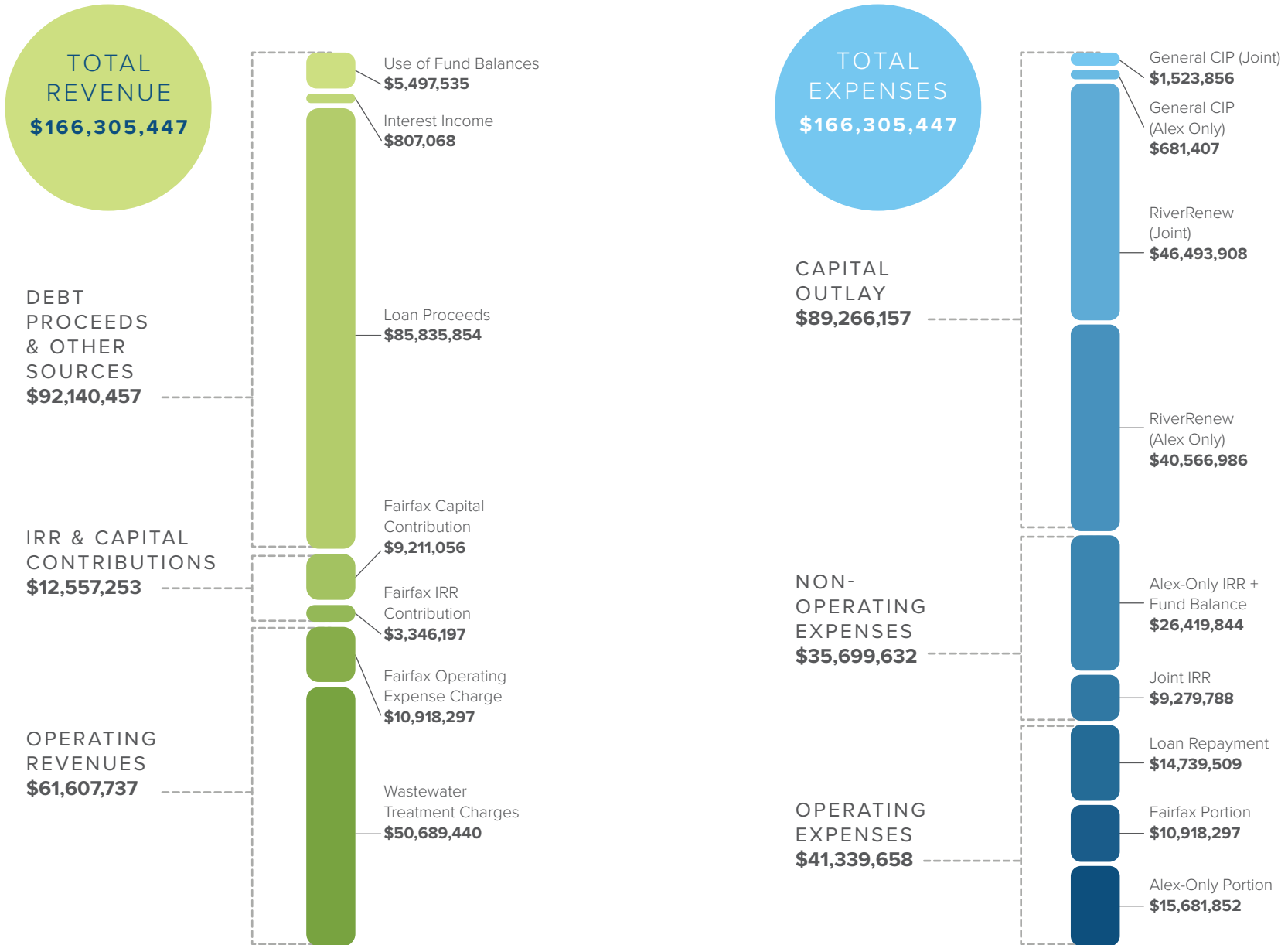


NATIONAL ENVIRONMENTAL ACHIEVEMENT AWARD

Presented by the National Association for Clean Water Agencies for Excellence in Public Information & Educational Outreach

FUNDING OUR ESSENTIAL MISSION

OUR BALANCED FY2022 TOTAL OPERATING BUDGET



SUPPORTING OUR CORE VALUES



OPERATIONAL EXCELLENCE

\$7,581,547

100% compliance with all imposed mandates through continuous improvement efforts



PUBLIC TRUST

\$1,774,849

Transparency in all public interactions



WATERSHED STEWARDSHIP

\$2,337,531

Sustainability and resiliency integrated into our activities through effective partnerships



ADAPTIVE CULTURE

\$13,287,751

All employees continue to be accomplished water professionals



EFFECTIVE FINANCIAL STEWARDSHIP

\$1,618,471

Provides water resource recovery services in a cost-effective and efficient manner

FINANCING THE RIVERRENEW TUNNEL PROJECT



**\$321
MILLION**

1.88% interest loan received through EPA's **Water Infrastructure and Innovation Act**

**\$186
MILLION**

1.35% interest loan received through the **Virginia Clean Water Revolving Loan Fund**

**\$140
MILLION**

State Grants and American Rescue Plan Funds received from the Commonwealth



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ALEXRENEW.COM

