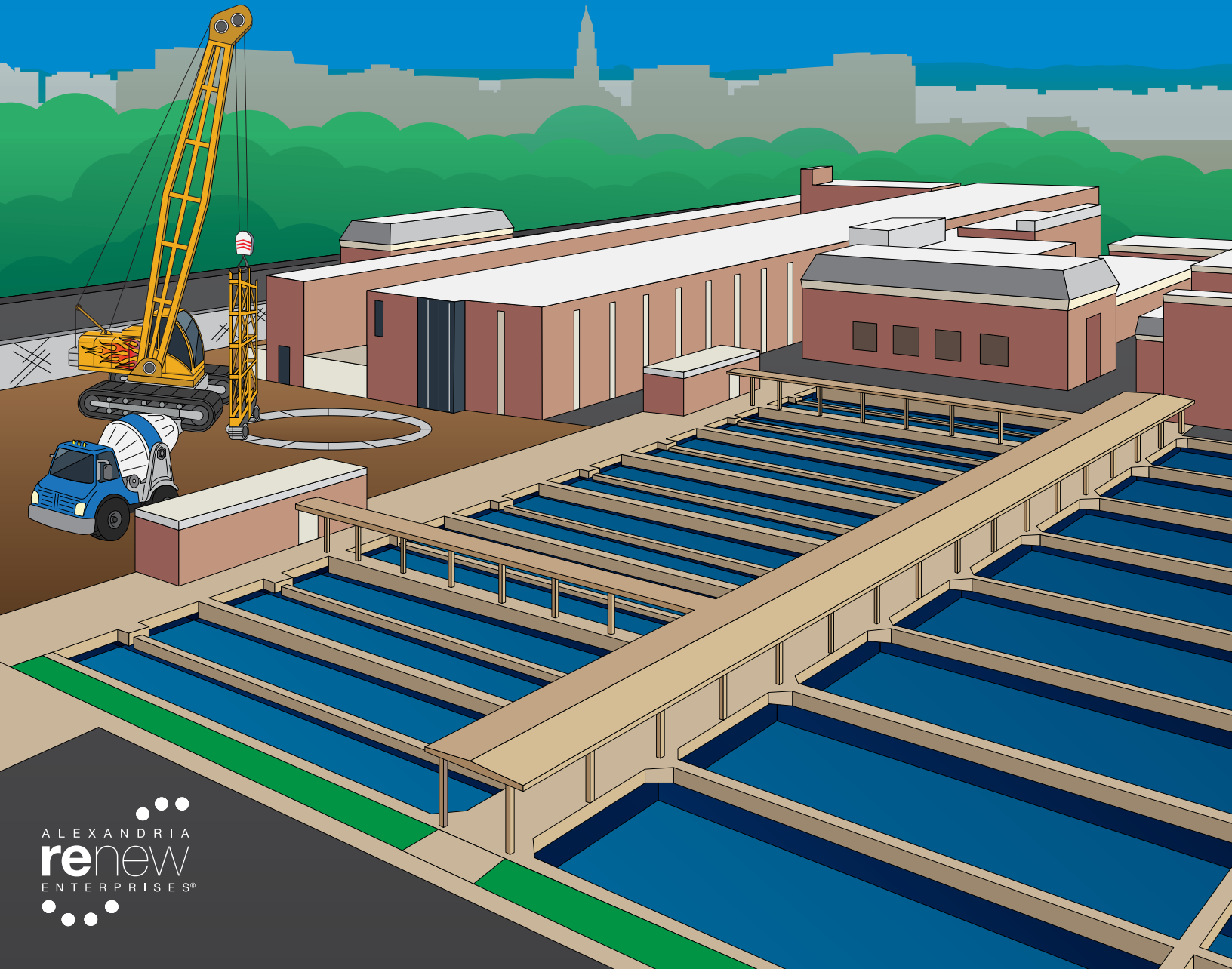


ANNUAL REPORT 2021

Building for the Future of Alexandria's Waterways



What's happening on the front cover?

In FY21, AlexRenew finished preparations at our wastewater treatment plant for the **RiverRenew Tunnel Project**, a water quality project designed to prevent millions of gallons of combined sewer overflows from polluting Hooffs Run, Hunting Creek, and the Potomac River. Use of our plant is essential to constructing and operating the Project. All tunnel mining will occur at AlexRenew, a commitment made to the community to minimize construction impacts near their homes and businesses.

At completion, the tunnel will convey captured combined sewage flows to AlexRenew for treatment. At the time of this report's issuance, construction had begun on two 12-story-deep shafts needed to launch the machine that will build the tunnel, illustrated on the front cover.



Use your phone's camera to scan the QR code to discover how we'll begin Building for the Future of Alexandria's Waterways.

AlexRenew is a regional, independent public wastewater authority located in Alexandria, Virginia.



Providing our essential service as a special purpose authority



Treating over 38 million gallons of wastewater every day



Led by a 5-member citizen board



Serving over 300,000 customers in Alexandria and portions of Fairfax County



With our 99 employees transforming water 24/7/365

Protecting the waterways that connect us

A message from our **board of directors**

Day after day, our talented team returns cleaned water back to the environment, treating the millions of gallons of wastewater that arrive at our plant. In 2021, as we continued through the ongoing pandemic, we also prepared our plant for the construction of the RiverRenew Tunnel Project, a water quality project that will reduce pollution from Alexandria's combined sewer system. In adapting our work to meet the challenges of the pandemic, our team continued their problem-solving mission to protect and improve public health and water quality.

My board colleagues and I are inspired by the resiliency and dedication AlexRenew water transforming employees have shown in providing this essential service to our community.

We met and exceeded the cleaned water quality requirements day in and day out, delivering healthier waterways to the environment nonstop every minute of every day in 2021. Four construction

projects were completed, paving the way for RiverRenew. We awarded the RiverRenew Tunnel Project's construction contract in December 2020. To connect with our customers, we shared our work through social media, online activities, and virtual meetings, and we strengthened our role as an anchor in the community by growing partnerships to support our local and regional community.

Amidst all of this change, our team demonstrated their endless commitment to fulfilling our mission and supporting our customers by providing cleaned wastewater that meets the quality requirements of the Virginia Department of Environmental Quality. My board colleagues and I could not be prouder of the commitment of our dedicated team's work to transform water. We thank them and all of you in our community for your continued support. We look forward to all that we can achieve together in the coming years.

This annual report highlights the milestones, accomplishments, and financial status of Alexandria Renew Enterprises (AlexRenew) during the 2021 Fiscal Year, which runs from July 1, 2020, to June 30, 2021.



John Hill
Chair



James Beall
Vice Chair



Bill Dickinson
Secretary-Treasurer



Bruce Johnson
General Board Member



Adriana Caldarelli
General Board Member

Our work in 2021 prepared our plant site as well as other sites in Alexandria to start construction on the **RiverRenew Tunnel Project** (shown below).



Progress in 2021

PENDLETON STREET SITE

Demolished the former Robinson Terminal North warehouse in December 2020 to make space for Tunnel Project construction

ALEXANDRIA RENEW ENTERPRISES

Demolished former administrative building in April 2021 to make space for Tunnel Project construction

 Waterfront Tunnel

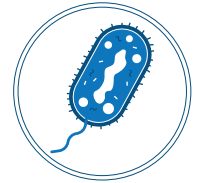
 Hooffs Run Interceptor

 Construction Sites

Meeting our **water quality commitments** of today...

Every day, our treatment processes remove bacteria and nutrients that could otherwise cause algae blooms, harm wildlife, and impact the vitality of the waterways that support our region. **In 2021, AlexRenew outperformed its permit requirements for nitrogen and phosphorus removal.**

99.9%



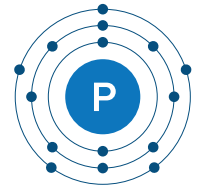
BACTERIA

99.1%



NITROGEN

98%



PHOSPHORUS

2021 HIGHLIGHTS



Certified as a **Laboratory of Excellence** by **Virginia Environmental Laboratory Accreditation Program** for the 7th year



Maintained status as **Extraordinary Environmental Enterprise** since 2012 and as a **Sustainability Partner** since 2018 through the Virginia Department of Environmental Quality's Environmental Excellence Program



Awarded a **National Environmental Achievement Award** from **National Association of Clean Water Agencies** for our high school internship program with Urban Alliance. To learn more about Urban Alliance, visit **[TheUrbanAlliance.org](https://www.TheUrbanAlliance.org)**

...while cultivating a **resilient workforce** for tomorrow.

Our team's resilience, even in the face of a global pandemic, has allowed us to continue cleaning Alexandria's wastewater seven days a week, 365 days a year. Throughout 2021, we supported their tireless efforts to adapt and grow amidst a changing world, including **completing over 3,000 professional development hours** by attending trainings, gaining new licenses, and moving programs to a virtual environment.

Highlights of Our Team's Licenses Crucial to Supporting Wastewater Operations...

1 Certified Public Procurement Officer

1 Virginia Contracting Associate

2 LEED Accredited Professionals and Green Associates

3 Envision Sustainability Professionals

3 ABC Maintenance Technologists

6 Professional Engineers

7 Electrical Journeymen

11 Certified Maintenance & Reliability Technicians and Professionals

25 Licensed Wastewater Operators

...Across 99 Employees

Connecting virtually to share progress on your investments...

In 2021, the COVID-19 pandemic brought new challenges to communicating progress of ongoing work. By continuing and expanding our use of virtual channels, we kept our community up to date from a distance on how our team continued to forge ahead.



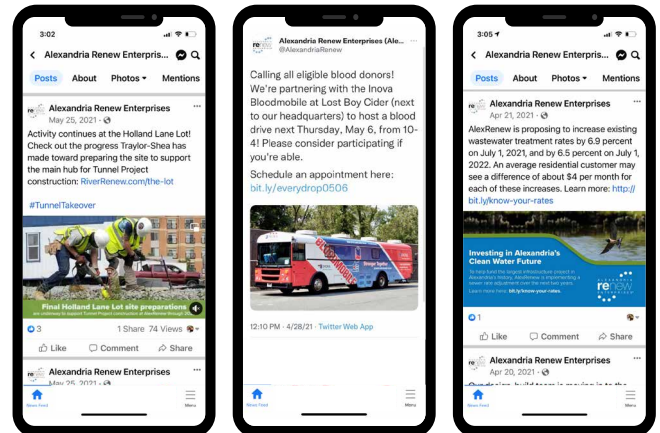
Designed and debuted a refreshed version of our website,
AlexRenew.com



Produced virtual tours of our interactive lobby and Four Mile Run pumping station



20+ virtual meetings hosted to discuss our work with the community



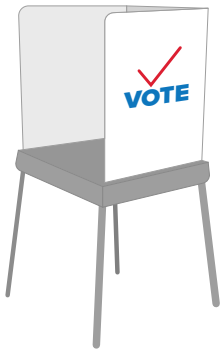
250+ posts shared on social media

...while **growing partnerships** for a resilient community.

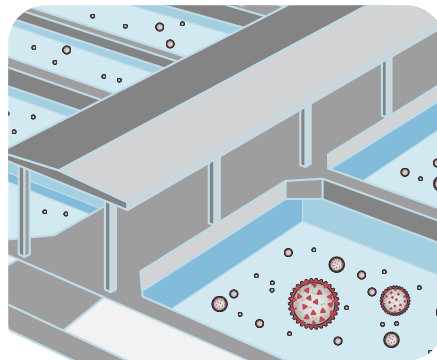
Above all else, this year taught us that we can overcome any obstacles with a strong community by our side. By working with our existing partners and connecting with new ones, we spent 2021 sharing resources to continue to support our community.



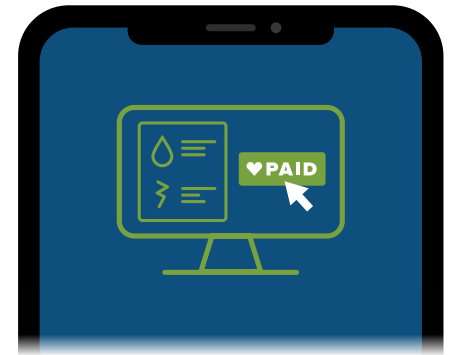
Partnered with **Inova** and **Lost Boy Cider** on 4 blood drives with 140 donors



Hosted over **600** voters in the 2021 elections at our administrative building



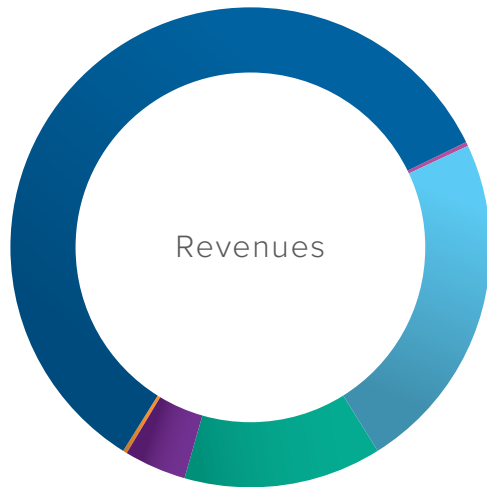
Contributed to 3 **COVID-19** wastewater research projects with samples from our plant



Partnered with **PromisePay** to distribute bill relief grants from the state to customers impacted by COVID-19

Your Investment in Healthier Waterways

AlexRenew is primarily funded through our treatment charges from our customers like you. Not only does your investment allow us to clean and treat the water we receive every day, it's also critical to helping us work toward Alexandria's healthy waterways future.



\$46,043,454 - City of Alexandria Residents' Wastewater Treatment Charges

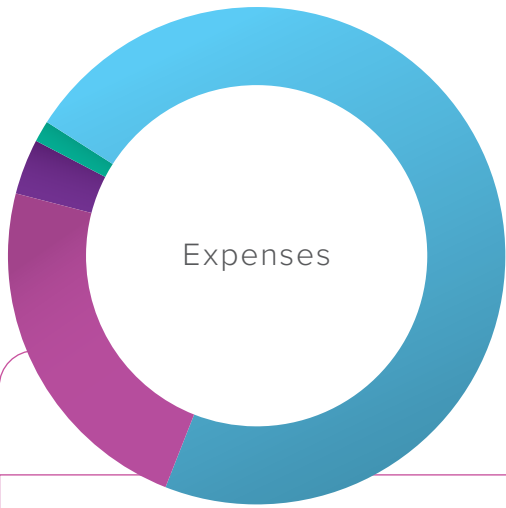
\$39,649 - Grant Revenues

\$17,979,304 - Fairfax County Capital Project Contribution

\$10,432,818 - Fairfax County Capital Operating Charges

\$3,217,340 - Fairfax County Improvement, Renewal, and Replacement Contributions

\$131,111 - Investment Income



\$80,912,596* - Capital Improvement Program

\$25,895,331 - Operating Expenses

\$4,038,841 - Improvement, Renewal, and Replacement

\$1,349,252 - Arlington Sewage Disposal

*Over 90% of the Capital Improvement Program is funded through loans and grants. \$13,905,315 - Debt service paid in FY21.

Operating Expenses



Operational Excellence
\$7,456,030



Public Engagement and Trust
\$1,916,491



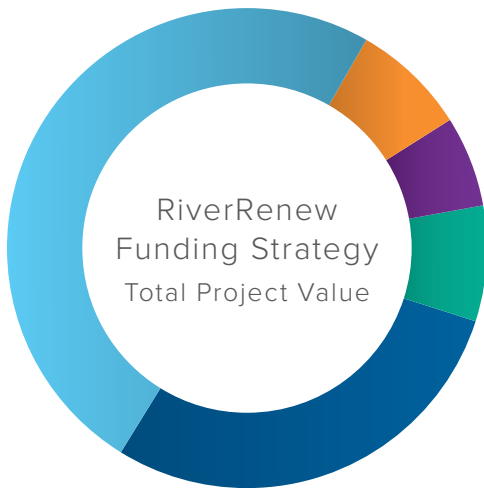
Watershed Stewardship
\$2,339,068



Adaptive Culture
\$12,332,155



Effective Financial Stewardship
\$1,851,587



\$186 Million - 1.35% interest loan received through
Virginia Clean Water Revolving Loan Fund (VCWRLF)

\$321 Million - 1.88% interest loan received through EPA's
Water Infrastructure and Innovation Act (WIFIA)

\$50 Million - State grants received


\$40 Million - State grants anticipated from
Virginia General Assembly after July 2022

\$50 Million - American Rescue Plan funds received
from **Virginia**



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