

# Board of Directors Meeting

September 23, 2025 2:15pm

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#### **BOARD OF DIRECTORS**

#### Regular Meeting of the Board of Directors of the Rivanna Water & Sewer Authority

DATE: SEPTEMBER 23, 2025

LOCATION: Albemarle County Service Authority, 168 Spotnap Road,

Charlottesville, VA 22911

TIME: 2:15 p.m.

#### **AGENDA**

- 1. CALL TO ORDER
- 2. AGENDA APPROVAL
- 3. MINUTES OF PREVIOUS BOARD MEETING ON AUGUST 26, 2025
- 4. RECOGNITION
- 5. EXECUTIVE DIRECTOR'S REPORT
- 6. ITEMS FROM THE PUBLIC

Matters Not Listed for Public Hearing on the Agenda

- 7. RESPONSES TO PUBLIC COMMENTS
- 8. CONSENT AGENDA
  - a. Staff Report on Finance
  - b. Staff Report on Operations
  - c. Staff Report on CIP Projects
  - d. Staff Report on Administration and Communications
  - e. Staff Report on Wholesale Metering
  - f. Staff Report on Drought Monitoring

#### 9. OTHER BUSINESS

a. Presentation and Consider Vote to Approve: An Amendment to the FY 26-30 CIP and Award of Construction Contract for the Crozet Water Treatment Plant GAC Expansion - English Construction Company

Victoria Fort, P.E., Senior Civil Engineer

b. Presentation and Consider Vote to Approve: An Amendment to the FY 26-30 CIP and Award of Construction Contract for the Interceptor Sewer & Manhole Repairs (Phase 2) – Vortex Services, LLC

Austin Marrs, P.E., Senior Civil Engineer

c. Presentation and Consider Vote to Approve: Financial Update; Year-end Results Stephanie Deal, CPA, Finance Manager

#### (Reconvene RSWA in a Combined Session with RWSA)

- d. Presentation: Education Center Progress Report Jennifer Whitaker, P.E., Director of Engineering and Maintenance
- e. Presentation: Rivanna Websites Westley Kern, Communications and Outreach Coordinator

(Complete and close the RWSA meeting, then complete and close the RSWA meeting)

- 10. OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA
- 11. CLOSED MEETING
- 12. ADJOURNMENT

#### GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

If you wish to address the Rivanna Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chairman asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for "Items From The Public, Matters Not Listed for Public Hearing on the Agenda." Each person will be allowed to speak for up to three minutes. When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During public hearings, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion comments may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meetings, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chairman. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chairman.
- Come forward and state your full name and address and your organizational affiliation if speaking for a group;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement, or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing:
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the public comment session has been closed;
- At the request of the Chairman, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.

The agendas of Board meetings, and supporting materials, are available from the RWSA/RSWA Administration office upon request or can be viewed on the Rivanna website.

Rev. September 7, 2022



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1 2 3	RWSA BOARD OF DIRECTORS  Minutes of Regular Meeting  August 26, 2025
4 5 6 7	A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was held on Tuesday, August 26, 2025, at 2:15 p.m. at the Rivanna Administration Building, (2nd Floor Conference Room), 695 Moores Creek Lane, Charlottesville, VA 22902.
8 9	<b>Board Members Present:</b> Mike Gaffney, Jeff Richardson, Sam Sanders, Ann Mallek, Brian Pinkston, Quin Lunsford, Lauren Hildebrand.
10	Board Members Absent: None.
11 12 13	<b>Rivanna Staff Present:</b> Bill Mawyer, Dave Tungate, Lonnie Wood, Jennifer Whitaker, Daniel Campbell, Michelle Simpson, Austin Marrs, Scott Schiller, Vicki Fort, Annie West, David White, Bethany Houchens, Westley Kern, Jacob Woodson, Leah Beard.
14	Attorney(s) Present: Valerie Long
15	CALL TO ORDER
16 17	Mr. Gaffney convened the August 26, 2025, regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority at 2:15 p.m.
18	AGENDA APPROVAL
19	There were no comments on or questions regarding the agenda.
20 21	Ms. Mallek moved that the Board of Directors approve the agenda as presented. Mr. Pinkston seconded the motion, which carried unanimously (7-0).
22	MINUTES OF PREVIOUS BOARD MEETING ON JULY 22, 2025
23 24	There were no comments on or questions regarding the minutes for the meeting held on July 22 2025.
25 26 27	Mr. Pinkston moved that the Board of Directors approve the minutes of the previous Board meeting on July 22, 2025. Mr. Sanders seconded the motion, which carried unanimously (7-0).
28	RECOGNITION
29	There was none.
30	EXECUTIVE DIRECTOR'S REPORT

Bill Mawyer, Executive Director, stated that he first wanted to take a moment to recognize and

celebrate two of their employees, Bridgett Deakin and Cynthia Dunham, who had recently

- obtained their Class 1 Water Operator License, the highest license level issued by the state. He
- 34 added that this achievement was particularly notable, as both employees were part of their
- 35 "Grow Our Own" program, in which they began as trainees and worked their way up to earning
- 36 their Class 1 licenses. He stated that they were proud to have such skilled and committed team
- 37 members.
- 38 Mr. Mawyer reported that related to their Strategic Plan Priority of Communication and
- 39 Collaboration, he recently had the opportunity to speak with City Council and provide an update
- 40 on the Central Water Line project. He stated that they expected to begin construction in October
- or November, pending delivery of the pipe. A community information meeting was scheduled
- for September 16, 2025, from 5:00 p.m. to 6:30 p.m. at the Carver Recreation Center.
- 43 Mr. Mawyer stated that as previously discussed, they were also moving forward with the
- 44 installation of an emergency siren at Sugar Hollow Reservoir. He stated that they had success-
- 45 fully tested the siren, which the siren could be heard at various tested locations, including the
- 46 Trout Unlimited fishing area. He stated that they would continue to test the siren along the road
- on the second Wednesday of each month at 10:00 a.m. He stated that they were additionally
- 48 exploring opportunities to install emergency warning systems at the South Rivanna and Ragged
- 49 Mountain Reservoirs.
- Mr. Mawyer continued to report that a community information meeting was scheduled for this
- 51 Thursday in this conference room regarding the Ragged Mountain Reservoir Pool Raise project,
- which aimed to raise the water level by 12 feet and add 700 million gallons over the next few
- years. He explained that as part of this year's work on the project, they would begin clearing trees
- from the perimeter of the reservoir. He stated that they had issued a press release informing the
- 55 public that beginning on October 6, 2025, limited access would be available to certain portions
- of the trails and reservoir while they had the trucks and barge used for tree clearing in operation.
- 57 Mr. Mawyer stated that they were pleased to collaborate with City Utilities and the Albemarle
- 58 County Service Authority (ACSA) in an emergency response coordination meeting, where they
- 59 discussed how they would work together in the event of an emergency, such as a hurricane, and
- how they would communicate and coordinate. He stated that it was a beneficial meeting and
- 61 partnership.
- Mr. Mawyer reported that RWSA had received a grant of \$57,400 from the Virginia Department
- of Conservation Resources for the geotechnical engineering services required to assess drainage
- 64 improvements at the Ragged Mountain Dam, as part of the pool raise project. He stated that on a
- more disappointing note, they had received notice from McGill Environmental that their
- wastewater biosolid residuals disposal charge was increasing from about \$500,000 to \$850,000
- per year, resulting in a new total cost of transportation and disposal of about \$1.25 million per
- year. He stated that they had reviewed their limited alternatives and determined they would
- 69 continue to use McGill as their transportation and biosolids disposal vendor.
- 70 Mr. Mawyer stated that he would next review some of their Planning and Infrastructure updates.
- He stated that with the South Rivanna River Crossing project, they had been drilling and blasting
- to break up the rocks underground. He explained that blast mats were used to contain the blast

- and prevent blasted rock from leaving the immediate area. He noted that this project was
- ongoing, with approximately one year before completion.
- 75 Mr. Mawyer stated that the contractor had successfully completed the first window of work on
- 76 the pipeline project from Ragged Mountain Reservoir to Observatory WTP, which took place on
- Hereford Drive in June and July. He stated that they had been able to complete the work while
- 78 the students were away, and the University had expressed their appreciation for sticking to the
- schedule. He stated that they were also working on pipeline installation between Fontaine Ave.
- and Hereford Drive, navigating through the woods. Mr. Mawyer stated that they had to do some
- blasting along this alignment, and the UVA Architect and her staff had walked with them to
- 82 select the path for the pipe.
- Mr. Mawyer stated that their water operators discovered a leak in the fluoride storage tank at the
- 84 South Rivanna Water Treatment Plant. The leak was contained and the fluoride treatment
- process continued using other tanks on the site. He stated that the leak was from a newer tank
- installed during the plant renovation project in 2022, and they were pursuing a five-year
- 87 warranty claim with the manufacturer. He stated that they appreciated the engineering group's
- 88 involvement in this warranty matter.
- 89 Mr. Mawyer stated that lastly, today may be the last Board meeting held in this conference room.
- Moores Creek had become a construction zone, and they were planning to relocate the Board
- 91 meetings to the Albemarle County Service Authority starting in September. He stated that they
- would confirm the new location with the Board when they sent out the agenda.
- Mr. Gaffney stated that he drove to the location where the old compost building was, but he had
- 94 not yet seen any new trailers.
- 95 Mr. Mawyer stated that they had not arrived yet.
- Mr. Gaffney asked what all the pads along the road were.
- 97 Mr. Mawyer stated that they were currently building pads for the trailers and parking areas, as
- 98 the existing parking spaces would be removed soon. He stated that this preparation would enable
- 99 the trailers to be placed in the designated area. He stated that once the trailers arrived, which was
- expected to be at the end of this month, they would need to equip them with the necessary
- 101 communication equipment and then move staff into the office trailers. He stated that their goal
- was to have this process completed by September or October. He stated that they planned to
- 103 coordinate with Mr. Lunsford's group and use his conference room for the Board meetings.
- 104 Mr. Gaffney asked if there would be multiple trailers.
- Mr. Mawyer replied yes; there would be segments connected. He stated that if one visited one of
- the car dealerships on Pantops Mountain, they would see the same trailer setup. He stated that
- they could have as many trailer segments as needed. He stated that the contractor was required to
- provide these trailers by the construction contract. He stated that when the renovation was
- 109 complete, staff would move into the renovated Administration building and the contractor would
- remove the trailers, including the existing engineering trailers, at the end of the project.

- Mr. Mawyer stated that the temporary staff office trailers would remain on site until the
- 112 construction was finished. He stated that the area currently being graded below the
- Administration building would be a new parking lot. He stated that they would also have new
- parking spaces around the perimeter drive. He stated that they were excited about this renovation
- and addition to staff spaces. He stated that next month, Ms. Whitaker would provide a
- presentation on the new education center included in the addition to the Administration building.
- Mr. Pinkston asked Mr. Lunsford to clarify where his office was located.
- 118 Mr. Lunsford stated that it was in Pantops at 168 Spotnap Road.
- Mr. Lunsford stated that they would coordinate with Mr. Mawyer when he sends out the
- necessary information. He stated that it was likely that they would ask everyone to park in the
- 121 upper lot at the ACSA office building. He stated that the door located at the rear of the facility
- remained locked.
- 123 ITEMS FROM THE PUBLIC
- 124 Matters Not Listed for Public Hearing on the Agenda
- There were none.
- 126 RESPONSES TO PUBLIC COMMENTS
- 127 There were no comments from the public, therefore, there were no responses.
- 128 CONSENT AGENDA
- 129 Staff Report on Finance
- 130 Staff Report on Operations
- 131 Staff Report on CIP Projects
- 132 Staff Report on Administration and Communications
- 133 Staff Report on Wholesale Metering
- 134 Staff Report on Drought Monitoring
- 135 Mr. Pinkston moved that the Board of Directors approve the Consent Agenda as presented.
- 136 Ms. Mallek seconded the motion, which carried unanimously (7-0).
- 137 OTHER BUSINESS
- 138 Presentation: Reservoir, Drought and Operational Strategies Update
- 139 Bethany Houchens, Water Resources Coordinator

- Bethany Houchens, Water Resources Coordinator, stated that she would be providing an update
- on Reservoirs, Drought and Operational Strategies. She stated that the map provided depicted the
- 142 five surface water reservoirs, including the County reservoirs at Beaver Creek, which serves
- 143 Crozet, and Totier Creek, which serves Scottsville. She stated that in addition, they had three
- urban reservoirs: South Rivanna, Ragged Mountain, and Sugar Hollow, as well as the North Fork
- Rivanna River, which serves the urban community. The North Fork Water Treatment Plant is
- slated for decommissioning in 2028, although they were still working on the exact date.
- Ms. Houchens explained that the South Rivanna Reservoir was their largest watershed, covering
- 148 259 square miles, compared to the Ragged Mountain Reservoir, which was only two square
- miles. She stated that the size of the watersheds for the reservoirs is important because they
- influence water chemistry and are a factor in the water treatment plans. She stated that the
- reservoir monitoring program is led by Mike Webb, RWSA Water Quality Specialist, who uses
- an EXO Sonde to collect data on pH, dissolved oxygen, depth, suspended solids, and other
- parameters from the reservoirs. She stated this data is then downloaded into an Excel spreadsheet
- and compared to previous sampling events.
- Ms. Houchens noted that the Secchi disk is a tool used to measure water clarity and turbidity.
- 156 She stated that there was an annual Secchi Disk drop event during which people across the
- country test water with Secchi disks and compare results. She stated that their monitoring
- program's goal was to collect data to better understand the biological and chemical processes in
- the reservoirs, which inform treatment decisions made by their operators.
- 160 Ms. Houchens stated the program was established in 2014 and was reviewed annually to
- determine if changes are needed. She stated that they sampled South Rivanna, Ragged Mountain,
- and Beaver Creek reservoirs twice a month, and more frequently, if necessary, especially before
- and after algae treatments to determine effectiveness. She stated that they sampled at Totier
- 164 Creek once a month. She stated that they no longer took samples from Sugar Hollow; instead,
- they took samples from a second site at Ragged Mountain where the Sugar Hollow transfer out-
- fall pipe is located.
- Ms. Houchens explained that reservoir characteristics were a key focus area, particularly
- stratification, which occurred when different layers of water formed based on density. She stated
- that in the summer, cold water sinks to the bottom, trapping nutrients like phosphorus and
- sediments. She stated that in the spring and fall, temperatures stabilized, leading to more
- homogeneous water temperatures. She stated that the bottom water rose to the top, eventually
- becoming homogenous.
- Ms. Houchens stated that looking at the reservoir trends for this year, which were based on data
- 174 collected from August last year to July this year, they observed a downward trend in phosphorus
- and nitrogen concentrations at Beaver Creek, which was a positive development as these
- nutrients contributed to algal blooms. She stated that in contrast, South Fork Rivanna Reservoir
- showed mixed results, with some decreases at certain times and higher concentrations in bottom
- sediments at other times. She stated that these trends were what they focused on over long
- periods of time, and while they could not determine the implications for this year, the data
- collected over the course of future years could provide valuable insights.

- 181 Ms. Houchens continued to explain that at Ragged Mountain Reservoir, they saw lower numbers
- in March and June, which were consistent with normal turnover and stratification patterns, and
- they would continue to monitor these trends over the years. She stated that Aphanizomenon was
- a common type of blue-green algae found in their reservoirs, particularly at Beaver Creek. She
- stated that algae could cause filter clogging at the plants, affect taste and odor, and even produce
- toxins, some of which had Environmental Protection Agency -set limits. She stated that addition-
- ally, increased chemical use at the plants may be necessary to address these issues.
- Ms. Houchens stated that in 2025, they treated Beaver Creek six times and Ragged Mountain
- twice, which was slightly higher than last year. She stated that last year, they were in a drought,
- resulting in reduced nutrient input from rainwater or external loading. She stated that this year,
- with normal rainfall, they were seeing more nutrients entering the reservoirs. She stated that in
- 192 general, these numbers were within normal ranges compared to years without drought
- 193 conditions.
- Ms. Houchens stated that when they treated algae at their reservoirs, they used a product called
- 195 SeClear, which was applied at two levels: a surface treatment and one at 15 feet down. She stated
- that this was because algae could move in the water column and regulate their buoyancy. She
- stated that the SeClear product, which was a copper sulfate-based product, bound with both algae
- and phosphorus, mitigating future algae blooms and removing phosphorus from the water
- 199 column. She stated that this product was National Science Foundation (NSF) certified, meeting
- all standards for drinking water quality.
- 201 Mr. Pinkston asked how this was applied in the reservoirs.
- Ms. Houchens answered that they had a pontoon boat and a large 500-gallon tank. She stated that
- 203 the tank was attached to the boat and featured an apparatus with small extensions that were
- 204 connected to a hose. She stated that this apparatus was lowered to the 15-foot level and applied,
- while the surface treatment was applied directly behind the pontoon using a grid system. She
- stated that they moved across the reservoir in a back-and-forth pattern, considering the reservoir's
- depths and the amount of product applied, which they calculated with the help of their consult-
- ants. She stated that they regularly reviewed these numbers to ensure they were using the correct
- amount.
- 210 Ms. Houchens continued that the Virginia Water Protection Permits governed their ability to
- 211 withdraw water from surface water sources, including their local reservoirs. She stated that they
- 212 had been working on these permits for several years. She stated that the Crozet Water Protection
- 213 Permit, issued in December of last year, authorized the withdrawal of water from Beaver Creek
- Reservoir and established a Minimum Instream Flow (MIF) requirement, which meant they were
- 215 required to release a certain amount of water from the reservoir into Beaver Creek. She stated
- 216 that this MIF requirement did not take effect until all the necessary infrastructure, including the
- 217 new raw water intake and pump station, were completed in Crozet.
- 218 Mr. Gaffney asked if that included the new dam spillway.
- Ms. Houchens confirmed that was correct. She stated that all the infrastructure associated with
- that upgrade, including the intake, pump station, dam spillway, and all that work, would be part

- of that consideration. She stated that once it was operational, the MIF would be in effect. She
- stated that regarding the urban VWP, they had been operating on an extended permit since 2023
- and were waiting on the updated draft from the Department of Environmental Quality. She stated
- 224 that the draft went up for public comment from June 19, 2025, and once DEQ reviewed those
- comments, they would send it back to RWSA for official signature and implementation.
- Ms. Houchens explained that the permit would authorize withdrawals from Sugar Hollow,
- Ragged Mountain, and South Rivanna Reservoirs and authorize projects that had been discussed
- in more detail by their Engineering Department. She stated that they worked closely with the
- 229 City and County on land management around the reservoirs, including recreational access, boat
- docks, and enforcing regulations.
- Ms. Houchens stated that they had 3 urban reservoirs owned by the City who also had a vested
- interest in watershed protection around their drinking water supply. She stated that this included
- addressing any safety issues that may arise, such as reservoir surveillance. She stated that their
- Operations staff used their boat to conduct inspections around the reservoir twice a year looking
- for issues like zoning violations of the Albemarle Water Protection Ordinance and unauthorized
- withdrawals or illicit discharges.
- 237 Ms. Houchens noted that, for example, one of their Board members reported a container truck
- 238 removing water from the South Fork Rivanna Reservoir, which they investigated and addressed
- with the company responsible. She stated that this was an example of the type of issues they
- looked for in their surveillance, and they appreciated the public's help in bringing these matters
- to the Authority's attention.
- 242 Ms. Houchens stated that they had source water protection initiatives in place, including
- 243 comprehensive plans for Beaver Creek, Totier Creek, and North Rivanna watersheds, which they
- 244 developed in 2021 with grant funding from the Virginia Department of Health. She stated that
- 245 they were currently working on creating a plan for the South Rivanna watershed for the
- 246 upcoming year. She stated that they collaborated with Rivanna River Fest, the Rivanna River
- Forest Health and Resilience Partnership, and the Rivanna Conservation Alliance.
- Ms. Houchens stated that the Rivanna Conservation Alliance was leading an initiative to plant
- 249 native canopy over the river, which would help improve river health and reduce invasive species.
- 250 She stated that they also worked with the Rivanna Conservation Alliance on their science
- advisory committee. She provided images of the siren installed at Sugar Hollow, located on the
- dam face, and the signs that would be placed at all reservoirs, including Sugar Hollow, Ragged
- Mountain, and South Rivanna, to educate the public about the siren's purpose and its location.
- Ms. Houchens reviewed the Drought Response and Contingency Plan. She stated that they had
- completed an update to the plan this year because they were adding Crozet. She stated that this
- 256 plan was part of the VWP permit that was issued in December. She stated that they did not
- foresee a time when they would declare a drought in the urban system without declaring it in
- 258 Crozet. She stated that therefore, they opted to have these two plans run concurrently with one
- another. She stated that there were separate limits and triggers for Beaver Creek Reservoir
- serving Crozet versus the urban reservoirs; however, they anticipated declaring a watch,
- warning, or emergency status for both systems at the same time.

- Ms. Houchens stated that the Crozet system relied on a usable storage level. She stated that they
- 263 would be in a "watch" status when they were at 60% usable storage, and they would go to a
- "warning" status when they were at 50%. She stated that the South Fork Rivanna Reservoir has
- 265 two different models that they could rely on. She stated that it could either rely on water
- elevation below the normal pool level or it could rely on % of available storage. She stated that
- 267 they found that at different points, these could be used in conjunction to better determine when
- 268 they were hitting certain drought stages.
- Ms. Houchens stated that in terms of operational strategy, they have two different time periods:
- 270 May to November and November to May. She stated that their operational strategy was
- specifically gauged towards when they had the connectivity between Ragged Mountain
- 272 Reservoir and South Rivanna Reservoir and that water line project was completed in 2030. She
- stated that if South Rivanna was overflowing, they would fill Ragged Mountain Reservoir; they
- could transfer up to three million gallons a day. She stated that once the pipeline was built, they
- could transfer about 25 mgd from South Fork to Ragged.
- 276 Ms. Houchens stated that if they were not overflowing at South Rivanna, they would terminate
- 277 that transfer to Ragged and maximize the use of their Observatory Water Treatment Plant and the
- water from Ragged Mountain reservoir. She stated that the November to May operational
- strategy had different storage thresholds with a similar strategy. She stated that the South
- 280 Rivanna to Ragged Mountain pipeline was going to be huge in terms of improving their
- 281 flexibility when it came to their operational strategy.
- Ms. Houchens stated they could move operations entirely from their South Rivanna Reservoir
- and Treatment Plant to their Observatory Water Treatment Plants and Ragged Mountain
- 284 Reservoir supply after the pipeline was completed. She stated that they would be able to transfer
- 285 25 million gallons a day via their VWP permits, the SRR to RMR is expected to be completed by
- 286 2030.
- 287 She stated that in summary, they had a proactive monitoring program that informed their
- decision-making for water treatment. She stated that they had an active source water protection
- program that they were continuing to work on and improve, and they have strong partnerships
- with the City and County on their watershed protection and land use around the reservoirs. Ms.
- Houchens stated that they continued to update and be cognizant of the ever-changing climate in
- our community. She stated that they put an emphasis on this every decade when they look at
- their community water demand forecasts, with the next one scheduled in 2030. She stated that
- she would have an updated reservoir pamphlet available on the website soon. She stated that the
- 295 pamphlet would provide a brief overview of each reservoir, including their watershed, surround-
- ing land use, and other relevant information.
- Ms. Mallek stated that the image of Beaver Creek reservoir that she presented showed a lot of
- 298 good forest cover all the way down to the edge. She stated that further out at Browns Gap,
- 299 however, they had issues with residents clear cutting or weed whacking all the way to the water's
- edge. She stated that she assumed that there was a Rivanna policy in place that prohibited this.
- 301 Ms. Houchens stated that the County's Water Protection Ordinance required a 200-foot buffer
- around drinking water reservoirs, and a 100-foot buffer for other areas. She stated that the

303 304 305 306	up Beaver Creek and Watts Branch regarding cattle exclusion opportunities. She stated that she was informed that the County may be revising some of these buffer ordinances. She stated that this could potentially alter the situation, but it may not be a beneficial development.
307 308 309 310	Ms. Mallek stated that she was most concerned about residential properties where people mowed their lawn all the way down to the dirt so they could continue to see the river. She stated that it was difficult to see from the road, but from a boat on the water one could see the issue clearly. She stated that she hoped they could find a way to prevent that in the future.
311 312 313 314 315	Ms. Houchens stated that during their reservoir inspections and surveillance, which they conduct twice a year, if they identify any issues, they report them immediately to the County. She stated that in such cases, the County would be responsible for implementing and enforcing the necessary measures. She stated that they obtain photographs to document any issues when possible.
316	OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA
317	There were none.
318	CLOSED MEETING
319	There was no reason for a closed meeting.
320	ADJOURNMENT
321 322	Mr. Pinkston moved that the Board of Directors adjourn the meeting. Ms. Hildebrand seconded the motion, which carried unanimously (7-0).



#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** EXECUTIVE DIRECTOR'S REPORT

**DATE: SEPTEMBER 23, 2025** 

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

#### **National Information Technology Professionals Day**

We appreciate the efforts of our dedicated IT professionals and recognize September 16th as National IT Professionals Day. The expertise and commitment of our IT team ensures the safety and security of our data and keeps our essential water and wastewater treatment systems running smoothly 24/7/365.

STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION



#### 2025 WaterJAM Conference







We were well represented at the 2025 WaterJAM Conference held from September 8-11 at Virginia Beach. Staff provided the following presentations:

Jennifer Whitaker, P.E., Director of Engineering and Maintenance, provided an overview of our "generational" CIP program for contractors, consultants, and other Utilities.

Scott Schiller, P.E., Engineering Manager, provided information about the collaborative approach taken to fast-track repairs at the Rivanna Pump Station.

Austin Marrs, P.E., Senior Civil Engineer, presented three topics:

- 1. Emergency construction and implementation of the Rivanna Pump Station 55 MGD sanitary sewer bypass system.
- 2. Integral role in the future raw water supply of our community provided by the 26 MGD Ragged Mountain Raw Water Pumping Station, which allows bi-directional transfer of raw water.

3. Analysis of water quality data and a strategic source water transfer protocol to optimize future operational cost savings.

**Daniel Campbell**, Director of Operations and Environmental Services and **Cary Wingo**, Assistant Water Manager, jointly presented information about water treatment plant renovations and improvements to storage, treatment and distribution assets to provide sustainability, optimization and resiliency for the future.

#### Rivanna River Basin Commission, September 24th

**Bethany Houchens**, Water Resources Coordinator, will be presenting on water supply planning, especially as it relates to the increasing demands of development and drought resilience.

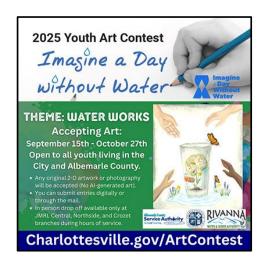


#### **Community Information Sessions**

On August 28, 2025, staff held a community information session at Rivanna's Administration Building to discuss the <u>Ragged Mountain Reservoir Pool Raise</u> project.

Staff held a community information meeting on the <u>Central Water Line</u> project on September 16, 2025, at the Carver Recreation Center.

#### 2025 Imagine a Day Without Water Art Contest - "Water Works"



The City of Charlottesville, Albemarle County Service Authority, and Rivanna Water & Sewer Authority are holding the 11th annual *Imagine a Day Without Water Art Contest-"Water Works"* this fall. Each year, we ask youth to show us why we must value and save water in our community. We encourage all our community youth to participate in this contest and to learn and illustrate the importance of water. Art entries will be accepted from September 15 until October 27, 2025.

More information and the link to submit your entry:

https://www.Charlottesville.gov/ArtContest

STRATEGIC PLAN PRIORITY: ENVIRONMENTAL STEWARDSHIP

## **Celebrating Source Water Protection Week!**



We celebrate *Source Water Protection Week* from Sept. 28-Oct. 4, 2025 to raise awareness about the importance of caring for our essential drinking water sources. The best way to assure we have high quality drinking water is to protect our water sources. If we keep our rivers and reservoirs from pollution, it's easier and less expensive to keep our water safe and healthy.

## STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE

## **Administration Building Update**

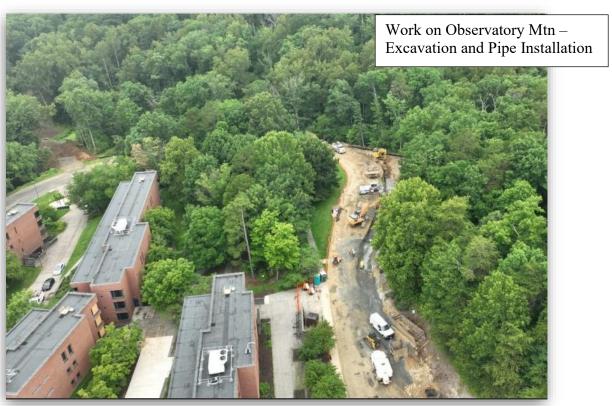




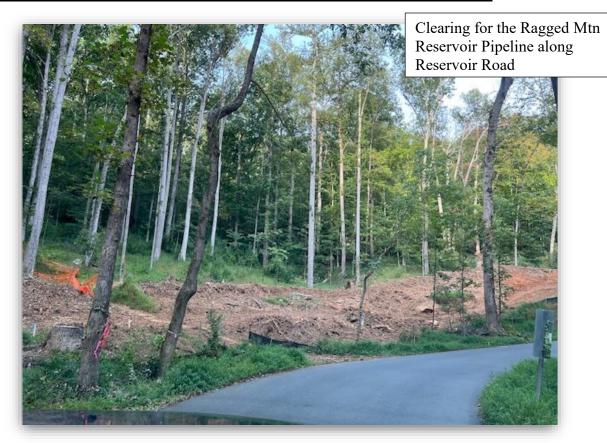
## **South Rivanna River Crossing Update**



## Ragged Mtn Reservoir to Observatory WTP Pipe and Pump Station Project



## Ragged Mtn Reservoir to Observatory WTP Pipe and Pump Station Project





#### MCAWRRF Structural and Concrete Rehabilitation Project

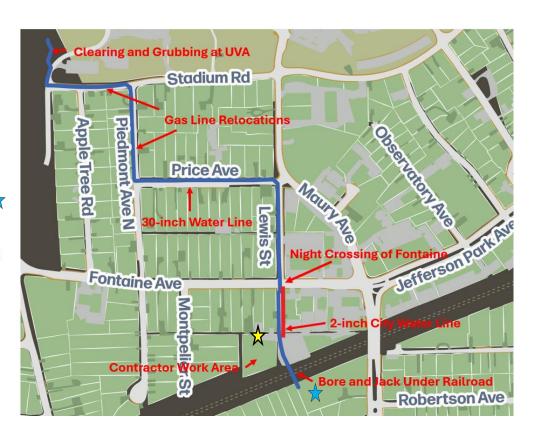


## <u>Central Water Line – Phase 1</u>

Work on Phase 1 of the Central Water Line at the end of Lewis Street, along with City waterlines in the area, will begin in October. Bore and jack work under the railroad tracks will begin concurrently.

## Stage 1 Work Plan

- Start work at the end of Lewis St
- Railroad crossing will be concurrent
- Work at UVA is required between December 19, 2025
   January 11, 2026







#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: LONNIE WOOD, DIRECTOR OF FINANCE AND INFORMATION

**TECHNOLOGY** 

BILL MAWYER, EXECUTIVE DIRECTOR **REVIEWED:** 

**SUBJECT:** JULY MONTHLY FINANCIAL SUMMARY - FY 2026

**DATE: SEPTEMBER 23, 2025** 

#### **Financial Snapshot**

The Authority's actual operating revenues for July are \$662,000 over the prorated annual budget estimates, and operating expenses are over the prorated budget by \$13,000, resulting in an operating surplus of \$649,000. Urban Water flows and operating rate revenue for this month are 14% over budget estimates. Urban Wastewater flows and operations rate revenue are 10% over budget, and the annual septage receiving support from the County was received in July. However, that revenue is offset by some quarterly and annual payments of operating expenses.

Total revenues are \$670,000 over budget estimates and total expenses are \$83,000 under budget, resulting in an overall surplus of \$753,000 for July. Revenues and expenses are summarized in the table below:

Urban	Urban	<b>Total Other</b>	Total
Water	Wastewater	<b>Rate Centers</b>	Authority
\$ 1,479,032	\$ 1,307,194	\$ 338,926	\$ 3,125,152
(1,126,860)	(967,405)	(381,835)	(2,476,100)
\$ 352,172	\$ 339,789	\$ (42,909)	\$ 649,052
\$ 1,346,234	\$ 1,139,369	\$ 306,864	\$ 2,792,467
(1,350,866)	(1,043,239)	(294,614)	(2,688,719)
\$ (4,632)	\$ 96,130	\$ 12,250	\$ 103,748
		•	
\$ 2,825,266	\$ 2,446,563	\$ 645,790	\$ 5,917,619
(2,477,726)	(2,010,644)	(676,449)	(5,164,819)
\$ 347,540	\$ 435,919	\$ (30,659)	\$ 752,800
	\$ 1,479,032 (1,126,860) \$ 352,172 \$ 1,346,234 (1,350,866) \$ (4,632) \$ 2,825,266 (2,477,726)	Water       Wastewater         \$ 1,479,032 (1,126,860)       \$ 1,307,194 (967,405)         \$ 352,172       \$ 339,789         \$ 1,346,234 (1,350,866)       \$ 1,139,369 (1,043,239)         \$ (4,632)       \$ 96,130         \$ 2,825,266 (2,477,726)       \$ 2,446,563 (2,010,644)	Water         Wastewater         Rate Centers           \$ 1,479,032 (1,126,860)         \$ 1,307,194 (967,405)         \$ 338,926 (381,835)           \$ 352,172         \$ 339,789         \$ (42,909)           \$ 1,346,234 (1,350,866)         \$ 1,139,369 (294,614)         \$ 306,864 (294,614)           \$ (4,632)         \$ 96,130         \$ 12,250           \$ 2,825,266 (2,477,726)         \$ 2,446,563 (2,010,644)         \$ 645,790 (676,449)

A more detailed financial analysis is in the following monthly report and reviews more closely actual financial performance compared to budgeted estimates. There are comments listed that will reference the applicable line items in the financial statement for each rate center and each support department in the following pages. Please refer to the Budget vs Actual financial statements when reviewing these comments.

#### **Detailed Financials**

The following comments help explain most of the other budget vs. actual variances.

- A. Annual and Quarterly Transactions Some revenues and expenses exceed the prorated annual budget due to up-front annual receipts of revenue and quarterly or annual payments of expenses. These transactions appear to significantly impact the budget vs. actual monthly comparisons, but they usually even out as the year progresses. Septage receiving support revenue of \$109,440 is billed to the County annually in July. Annual payments are made in July for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual payment to UVA for the Observatory lease is made in August (\$175,000). Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (Maintenance page10) The Maintenance Department is over the prorated budget due to the final leave payout to the maintenance manager upon retirement.
- C. Professional Services (Urban Water, Crozet Water, Administration pages 2,3,8) Urban Water and Crozet Water are over the prorated budget in this category by \$31,800 and \$16,500 respectively for engineering and technical services. The Administration Department is slightly over 1/12 of the annual budget for legal fees and engineering and technical services.
- D. Other Services & Charges (Administration page 8) Administration is temporarily over budget in this category for website design services of \$14,900 which will be reimbursed by Rivanna Solid Waste Authority this month.
- E. Information Technology (Urban Water, Scottsville Water, Administration pages 2,4,8) Urban Water and Scottsville Water replaced SCADA servers. Administration and Engineering paid for annual software renewals.
- F. Operations and Maintenance (Crozet Water page 3) \$28,800 of the \$60,000 annual budget for algae treatments at Beaver Creek Reservoir have been spent so far.
- G. Equipment Purchases (Maintenance page 10) Maintenance purchased a new flail mower for \$35,500.

Rivanna Water & Sewer Authority Monthly Financial Statements - July 2025 Fiscal Year 2026

Consolidated Revenues and Expenses Summary			Budget FY 2026	Budget Year-to-Date			Actual ear-to-Date	ν	Budget s. Actual	Variance Percentage
Operating Budget vs. Actual										
speciality and section records	Notes									
Revenues										
Operations Rate Revenue		\$	28,565,847	\$	2,380,487	\$	2,632,329	\$	251,842	10.58%
Lease Revenue			120,000		10,000		12,266		2,266	22.66%
Admin., Finance/IT, Maint. & Engineering Rever	nue		998,000		83,167		90,580		7,413	8.91%
Other Revenues Interest Allocation			689,654 272,400		57,471 22,700		370,213 110,343		312,742 87,643	544.17% 386.09%
Total Operating Revenues		\$	30,645,901	\$	2,553,825	\$	3,215,732	\$	661,907	25.92%
, ,			, ,		, ,		, ,		•	
Expenses										
Personnel Cost	A,B	\$	14,179,052	\$	1,181,588	\$	1,239,607	\$	(58,019)	-4.91%
Professional Services	C		777,950		64,829		104,372		(39,543)	-60.99%
Other Services & Charges	D		4,580,981		381,748		376,087		5,661	1.48%
Communication	Е		291,328 2,398,380		24,277 199,865		34,004 174,925		(9,727) 24,940	-40.07% 12.48%
Information Technology Supplies			60,031		5,003		3,694		1,308	26.15%
Operations & Maintenance	F		6,856,926		571.411		495,414		75,997	13.30%
Equipment Purchases	G		551,250		45,938		59,409		(13,471)	-29.33%
Depreciation			950,000		79,167		79,167		(0)	0.00%
Total Operating Expenses		\$	30,645,898	\$	2,553,825	\$	2,566,679	\$	(12,854)	-0.50%
Operating Surplus/(Deficit)		\$	3	\$	0	\$	649,052	=		
Debt Service Budget vs. Actual										
Revenues										
Debt Service Rate Revenue		\$	31,290,304	\$	2,607,525	¢	2,607,525	Ф	(0)	0.00%
Septage Receiving Support - County		Ψ	109,440	Ψ	9,120	Ψ	109,440	Ψ	100,320	1100.00%
Buck Mountain Lease Revenue			10,000		833		-		(833)	-100.00%
Trust Fund Interest			456,900		38,075		29,385		(8,690)	-22.82%
Reserve Fund Interest		_	1,546,600		128,883	_	46,116		(82,767)	-64.22%
Total Debt Service Revenues		\$	33,413,244	\$	2,784,437	\$	2,792,466	\$	8,029	0.29%
Debt Service Costs										
Total Principal & Interest		\$	21,245,638	\$	1,770,470	\$	1,770,470	\$	-	0.00%
Reserve Additions-Interest			1,702,000		141,833		46,116		95,717	67.49%
Debt Service Ratio Charge			725,000		60,417		60,417		-	0.00%
Reserve Additions-CIP Growth  Total Debt Service Costs		•	9,740,600 <b>33,413,238</b>	\$	811,717 <b>2,784,437</b>	\$	811,717 <b>2,688,719</b>	¢	95,717	0.00% <b>3.44%</b>
Debt Service Surplus/(Deficit)		\$	55,415,256	\$	2,764,437	\$	103,747	<u>\$</u>	95,717	3.44 /0
			Summer	·						
			Summar	У						
Total Revenues		\$	64,059,145	\$	5,338,262	\$	6,008,198	\$	669,936	12.55%
Total Expenses Surplus/(Deficit)		\$	64,059,136 <b>9</b>	\$	5,338,261 <b>1</b>	\$	5,255,399 <b>752,799</b>	-	82,863	1.55%
Sai pias (Bellett)		<u>Ψ</u>	<u> </u>	Ψ	<u> </u>	Ψ	102,133	=		

<u>Urban Water Rate Center</u> Revenues and Expenses Summary			Budget FY 2026	Y	Budget ear-to-Date	У	Actual 'ear-to-Date	,	Budget vs. Actual	Variance Percentage
Operating Budget vs. Actual	Notes									
Revenues	Notes									
Operations Rate Revenue Lease Revenue		\$	12,376,260 90,000	\$	1,031,355 7,500	\$	1,177,134 9,407	\$	145,779 1,907	14.13% 25.42%
Grants Other Revenue			-		_		244,160		- 244,160	
Interest Allocation			120,000		10,000		48,330		38,330	383.30%
Total Operating Revenues		\$	12,586,260	\$	1,048,855	\$	1,479,032	\$	430,177	41.01%
Expenses										
Personnel Cost	Α	\$	2,725,694	\$	227,141	\$	249,883	\$	(22,742)	-10.01%
Professional Services Other Services & Charges	С		220,500 1,210,134		18,375 100,845		51,573 108,172		(33,198) (7,327)	-180.67% -7.27%
Communications			91,500		7,625		11,361		(3,736)	-49.00%
Information Technology	E		197,100		16,425		25,364		(8,939)	-54.42%
Supplies			10,031		836		553		283	33.81%
Operations & Maintenance			3,116,833		259,736		267,927		(8,191)	-3.15%
Equipment Purchases Depreciation			26,900 300,000		2,242 25,000		2,242 25,000		(0)	0.00% 0.00%
Subtotal Before Allocations		\$	7,898,692	\$	658,224	\$	742,075	\$	(83,851)	-12.74%
Allocation of Support Departments			4,687,568		390,631		384,785		5,846	1.50%
Total Operating Expenses		\$	12,586,259	\$	1,048,855	\$	1,126,860	\$	(78,005)	-7.44%
Operating Surplus/(Deficit)		\$	1	\$	0	\$	352,172			
Debt Service Budget vs. Actual										
Revenues										
Debt Service Rate Revenue		\$	15,733,661	\$	1,311,138	\$	1,311,138	\$	(0)	0.00%
Trust Fund Interest		Ψ	200,000	Ψ	16,667	Ψ	12,868	Ψ	(3,799)	-22.79%
Reserve Fund Interest			744,800		62,067		22,228		(39,839)	-64.19%
Lease Revenue		_	10,000	_	833	_	-	_	(833)	-100.00%
Total Debt Service Revenues		\$	16,688,461	\$	1,390,705	\$	1,346,234	\$	(44,471)	-3.20%
Debt Service Costs										
Total Principal & Interest		\$	8,904,860	\$	742,072	\$	742,072	\$	-	0.00%
Reserve Additions-Interest			744,800		62,067		22,228		39,839	64.19%
Debt Service Ratio Charge			400,000		33,333		33,333		-	0.00%
Est. New Debt Service - CIP Growth  Total Debt Service Costs		\$	6,638,800 <b>16,688,460</b>	\$	553,233 <b>1,390,705</b>	\$	553,233 <b>1,350,866</b>	\$	39,839	0.00% <b>2.86%</b>
Debt Service Surplus/(Deficit)		\$	1	\$	0		(4,633)	:		
		Ra	ite Center S	Sun	nmary					
Total Revenues		\$	29,274,721	¢	2,439,560	¢	2,825,266	¢	385,706	15.81%
Total Revenues  Total Expenses		Φ	29,274,721	Ф	2,439,560	φ	2,477,727	φ	(38,167)	-1.56%
Surplus/(Deficit)		\$	2	\$	0	\$	347,539	<b>=</b>		
Ocata man 4000 Ocaliana		•	0.70			•	0.40			
Costs per 1000 Gallons Operating and DS		\$ \$	3.70 8.62			\$ \$	3.49 7.67			
Thousand Gallons Treated or			3,397,700		283,142		323,210		40,068	14.15%
Flow (MGD)			9.309				10.426			

<u>Crozet Water Rate Center</u> Revenues and Expenses Summary			Budget FY 2026	Ye	Budget ear-to-Date		Actual ear-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual	Neter									
Revenues	Notes									
Operations Rate Revenue		\$	1,562,184	\$	130,182	\$	130,182	\$	_	0.00%
Lease Revenue			30,000		2,500		2,859		359	14.37%
Other Revenue			-		-		20,153		20,153	
Interest Allocation		•	15,000	•	1,250	•	6,069	•	4,819	385.51% <b>18.91%</b>
Total Operating Revenues		\$	1,607,184	\$	133,932	\$	159,263	\$	25,331	18.91%
Expenses										
Personnel Cost	_	\$	379,359	\$	31,613	\$	35,435	\$	(3,822)	-12.09%
Professional Services	С		19,500		1,625		18,168		(16,543)	-1018.06%
Other Services & Charges Communications			177,582 15,300		14,799 1,275		16,091 2,430		(1,292)	-8.73% -90.59%
Information Technology			64,400		5,367		11.359		(1,155) (5,992)	-111.66%
Supplies			1,100		92		347		(255)	-278.53%
Operations & Maintenance	F		449,085		37,424		50,472		(13,048)	-34.87%
Equipment Purchases			3,800		317		317		(0)	0.00%
Depreciation			60,000		5,000		5,000		-	0.00%
Subtotal Before Allocations		\$	1,170,126	\$	97,511	\$	139,620	\$	(42,109)	-43.18%
Allocation of Support Departments		_	437,056	•	36,421	•	36,298	•	123	0.34%
Total Operating Expenses Operating Surplus/(Deficit)		\$	1,607,183 1	<u>\$</u> \$	133,932 0	\$ \$	175,918 (16,655)	\$	(41,986)	-31.35%
Revenues Debt Service Rate Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues  Debt Service Costs Total Principal & Interest Reserve Additions-Interest Estimated New Principal & Interest		\$ \$	3,103,992 32,000 118,000 <b>3,253,992</b> 1,126,391 118,000 2,009,600	\$ \$	258,666 2,667 9,833 <b>271,166</b> 93,866 9,833 167,467	\$ \$	258,666 2,057 3,505 <b>264,228</b> 93,866 3,505 167,467	\$ \$	(610) (6,329) (6,938)	0.00% -22.86% -64.36% -2.56% 0.00% 64.36% 0.00%
Total Debt Service Costs		\$	3,253,991	\$	271,166	\$	264,837	\$	6,329	2.33%
Debt Service Surplus/(Deficit)		\$	1	\$	0	\$	(610)			
	R	ate	Center Su	mn	nary					
Total Revenues Total Expenses		\$	4,861,176 4,861,174	\$	405,098 405,098	\$	423,491 440,755	\$	18,393 (35,658)	4.54% -8.80%
Surplus/(Deficit)		\$	2	\$	0	\$	(17,264)	:		
Costs per 1000 Gallons Operating and DS		\$ \$	7.93 23.98			\$ \$	8.52 21.34			
Thousand Gallons Treated			202,697		16,891		20,650		3,759	22.25%
Flow (MGD)			0.555				0.666			

Scottsville Water Rate Center Revenues and Expenses Summary			Budget FY 2026	Ye	Budget ear-to-Date		Actual ear-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual										
	Notes									
Revenues		_								2 222/
Operations Rate Revenue		\$	851,940	\$	70,995	\$	70,995	\$	-	0.00%
Other Revenue Interest Allocation			7 700		642		4,668		4,668	204 500/
Total Operating Revenues		\$	7,700 <b>859.640</b>	\$	71,637	\$	3,090 <b>78,753</b>	\$	2,448 <b>7,116</b>	381.50% <b>9.93%</b>
, -		Ψ_	000,040	Ψ	7 1,007	Ψ	70,700	Ψ	7,110	3.33 70
Expenses		•	0.40.000	•	00.074	•	00.004	•	(0.057)	10.050/
Personnel Cost		\$	248,090	\$	20,674	\$	23,331	\$	(2,657)	-12.85%
Professional Services			15,000		1,250		1,564		(314)	-25.09%
Other Services & Charges Communications			79,887 18,550		6,657 1,546		11,385 2,286		(4,727) (740)	-71.01% -47.90%
Information Technology	E		57,000		4,750		13,705		(8,955)	-188.52%
Supplies	_		200		17		102		(86)	-514.40%
Operations & Maintenance			137,220		11,435		17,981		(6,546)	-57.24%
Equipment Purchases			2,400		200		286		(86)	-42.90%
Depreciation			40,000		3,333		3,333		` o´	0.00%
Subtotal Before Allocations		\$	598,347	\$	49,862	\$	73,973	\$	(24,110)	-48.35%
Allocation of Support Departments			261,289		21,774		22,532		(758)	-3.48%
Total Operating Expenses		\$	859,636	\$	71,636	\$	96,505	\$	(24,868)	-34.71%
Operating Surplus/(Deficit)		\$	4	\$	0	\$	(17,752)	=		
Revenues Debt Service Rate Revenue Trust Fund Interest		\$	304,128 4,200	\$	25,344 350	\$	25,344 270	\$	(80)	0.00% -22.76%
Reserve Fund Interest		•	4,800 <b>313,128</b>	\$	400 <b>26,094</b>	\$	138 <b>25,753</b>	\$	(262) ( <b>341</b> )	-65.41% - <b>1.31%</b>
Total Debt Service Revenues		\$	313,120	φ	20,094	φ	25,755	φ	(341)	-1.31%
Debt Service Costs										
Total Principal & Interest Reserve Additions-Interest		\$	148,127 160,200	\$	12,344 13,350	\$	12,344 138	\$	- 13,212	0.00% 98.96%
Estimated New Principal & Interest			4,800		400		400		-	0.00%
Total Debt Service Costs		\$	313,127	\$	26,094	\$	12,882	\$	13,212	50.63%
Debt Service Surplus/(Deficit)		\$	1	\$	0	\$	12,870	=		
	F	Rate	Center Su	ımn	narv					
Total Revenues Total Expenses		\$	1,172,768 1,172,763	\$	97,731 97,730	\$	104,506 109,387	\$	6,775 (11,657)	6.93% -11.93%
Surplus/(Deficit)		\$	5	\$	0	\$	(4,881)	=		
Costs per 1000 Gallons Operating and DS		\$ \$	49.89 68.07			\$	55.46 62.87			
Thousand Gallons Treated or			17,230		1,436		1,740		304	21.18%
Flow (MGD)			0.047				0.056			

Stone Robinson WWTP	<u>Urban Wastewater Rate Center</u> Revenues and Expenses Summary			Budget FY 2026	Y	Budget ear-to-Date		Actual ear-to-Date	,	Budget vs. Actual	Variance Percentage
Revenues	Operating Budget vs. Actual	Notes									
Stone Robinson WWTP	Revenues	110100									
Septage Acceptance	Operations Rate Revenue		\$	12,610,887	\$	1,050,907	\$	1,156,970	\$	106,062	10.09%
Nutrient Credits   S0,000				-,		,		,		` ,	-34.85%
Natice   Nation   N				,		,		,		, ,	-10.22%
Interest Allocation				50,000		4,107		53,777		49,610	1190.64%
State   Stat				120,000		10,000		48,992		38,992	389.92%
Personnel Cost	Total Operating Revenues		\$	,	\$	,	\$		\$		16.88%
Personnel Cost	Expenses										
Professional Services		Α	\$	1.725.025	\$	143.752	\$	152.916	\$	(9.164)	-6.37%
Communications	Professional Services		•		•	,	•		·	, ,	91.09%
Information Technology	Other Services & Charges			2,742,631		228,553		190,456		38,096	16.67%
Supplies						,		,			13.84%
Operations & Maintenance	<b>0</b> ,					,				, ,	-12.45%
Equipment Purchases	• •										21.03% 54.28%
Subtotal Before Allocations   \$470,000   \$39,167   \$39,167   \$156,925   \$25   \$25   \$35   \$156,925   \$25   \$35	•					,		,		-	0.00%
Subtotal Before Allocations   \$7,945,084 \$ 662,090 \$ 505,165 \$ 156,925   23	• •					-, -				(0)	0.00%
Total Operating Expenses Operating Expenses Operating Surplus/(Deficit)   \$ 13,420,542 \$ 1,118,379 \$ 967,405 \$ 150,973   13	Subtotal Before Allocations		\$	7,945,084	\$	,	\$		\$	156,925	23.70%
Service Budget vs. Actual   Service Budget vs. Actual			_								-1.30%
Part   Principal & Interest   Principal & I				, ,					\$	150,973	13.50%
Revenues         Debt Service Rate Revenue       \$ 11,948,147 \$ 995,679 \$ 995,679 \$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Operating Surplus/(Deficit)		<u> </u>	(1)	Ф	(0)	Ф	339,700	=		
Revenues         Debt Service Rate Revenue       \$ 11,948,147 \$ 995,679 \$ 995,679 \$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Debt Service Budget vs. Actual										
Debt Service Rate Revenue   \$11,948,147 \$ 995,679 \$ 995,679 \$ 0 C Septage Receiving Support - County   109,440   9,120   109,440   100,320   1100											
Debt Service Rate Revenue   \$11,948,147 \$ 995,679 \$ 995,679 \$ 0 C Septage Receiving Support - County   109,440   9,120   109,440   100,320   1100	Revenues										
Septage Receiving Support - County   109,440   9,120   109,440   100,320   1100			\$	11.948.147	\$	995.679	\$	995.679	\$	0	0.00%
Reserve Fund Interest   675,000   56,250   20,107   (36,143)   -64			•		,	,	•	,	·	100,320	1100.00%
Total Debt Service Revenues   \$ 12,952,587 \$ 1,079,382 \$ 1,139,369 \$ 59,986   55	Trust Fund Interest			220,000		18,333		14,143		,	-22.86%
Debt Service Costs         Total Principal & Interest       \$ 11,040,988 \$ 920,082 \$ 920,082 \$ - 00.000 \$ 0.0000 \$ 0.0000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.000 \$ 0.00			_								-64.25%
Total Principal & Interest   \$11,040,988 \$ 920,082 \$ 920,082 \$ - 0.000	Total Debt Service Revenues		\$	12,952,587	\$	1,079,382	\$	1,139,369	\$	59,986	5.56%
Total Principal & Interest   \$11,040,988 \$ 920,082 \$ 920,082 \$ - 0.000	Debt Service Costs										
Reserve Additions-Interest   675,000   56,250   20,107   36,143   64			\$	11.040.988	\$	920.082	\$	920.082	\$	_	0.00%
Est. New Debt Service - CIP Growth  Total Debt Service Costs Debt Service Surplus/(Deficit)  Rate Center Summary  Total Revenues  \$ 26,373,128 \$ 2,197,761 \$ 2,446,562 \$ 248,802 11	•		*		*		*	,	•	36,143	64.25%
Total Debt Service Costs   \$ 12,952,588 \$ 1,079,382 \$ 1,043,239 \$ 36,143   3	Debt Service Ratio Charge									-	0.00%
Service Surplus/(Deficit)   \$ (1) \$ (0) \$ 96,130			_			75,967					0.00%
Rate Center Summary					_				\$	36,143	3.35%
Total Revenues \$ 26,373,128 \$ 2,197,761 \$ 2,446,562 \$ 248,802 11	Debt Service Surplus/(Dencity			(1)	Ψ	(0)	Ψ	30,130	=		
			Rat	te Center S	um	mary					
	Total Payarras		¢.	06 070 400	d.	2 107 764	¢.	0.446.560	ф	249 900	44 200/
20,575,150 2,197,701 2,010,044 107,117			Ъ		Ъ		Ъ		Ъ		11.32% 8.51%
<u> </u>	Total Expenses			20,373,130		2,197,701		2,010,044	-	107,117	0.5170
Surplus/(Deficit) \$\\(\begin{array}{cccccccccccccccccccccccccccccccccccc	Surplus/(Deficit)		\$	(2)	\$	(0)	\$	435,918	=		
Costs per 1000 Gallons \$ 3.96 \$ 3.11	Costs per 1000 Gallons		\$	3 06			\$	3 11			
Operating and DS \$ 7.78 \$ 6.46	•										
Thousand Gallons Treated 3,390,400 282,533 311,097 28,564 10	Thousand Gallons Treated			3 390 400		282 533		311 097		28 564	10.11%
Or				0,000,400		202,000		511,037		20,004	10.1170
Flow (MGD) 9.289 10.035	Flow (MGD)			9.289				10.035			

Glenmore Wastewater Rate Center Revenues and Expenses Summary			Budget FY 2026	Υє	Budget ear-to-Date	Y	Actual ear-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual										
_	Notes									
Revenues		_						_		
Operations Rate Revenue		\$	673,248	\$	56,104	\$	56,104	\$	-	0.00%
Interest Allocation		•	5,500	•	458 FC FC2	•	2,207	•	1,749	381.50% <b>3.09%</b>
Total Operating Revenues		\$	678,748	\$	56,562	\$	58,311	\$	1,749	3.09%
Expenses										
Personnel Cost		\$	142,586	\$	11,882	\$	12,924	\$	(1,042)	-8.77%
Professional Services			10,000		833		130		703	84.38%
Other Services & Charges			45,136		3,761		3,100		661	17.58%
Communications			20,300		1,692		1,846		(154)	-9.11%
Information Technology			53,450		4,454		10,614		(6,160)	-138.29%
Supplies			-		-		-		-	
Operations & Maintenance			152,435		12,703		14,465		(1,762)	-13.87%
Equipment Purchases			3,500		292		292		(0)	0.00%
Depreciation			60,000		5,000		5,000		-	0.00%
Subtotal Before Allocations		\$	487,407	\$	40,617	\$	48,371	\$	(7,754)	-19.09%
Allocation of Support Departments			191,344		15,945		17,082		(1,136)	-7.13%
Total Operating Expenses		\$	678,752	\$	56,563	\$	65,453	\$	(8,890)	-15.72%
Operating Surplus/(Deficit)		\$	(4)	\$	(0)	\$	(7,142)	:		
Revenues  Debt Service Rate Revenue  Trust Fund Interest Reserve Fund Interest		\$	144,948 500	\$	12,079 42	\$	12,079 35	\$	- (6)	0.00% -15.38%
Total Debt Service Revenues		\$	145,448	\$	12,121	\$	12.114	\$	(6)	-0.05%
Total Dest Service Revenues		Ψ	140,440	Ψ	12,121	Ψ_	12,114	Ψ	(0)	0.0070
Debt Service Costs										
Total Principal & Interest		\$	18,746	\$	1,562	\$	1,562	\$	_	0.00%
Estimated New Principal & Interest		Ψ.	126,700	Ψ	10,558	Ψ.	10,558	*	_	0.00%
Reserve Additions-Interest			-		-		-		_	0.0070
Total Debt Service Costs		\$	145,446	\$	12,121	\$	12,121	\$	-	0.00%
Debt Service Surplus/(Deficit)		\$	2	\$	0	\$	(6)			
	R	ate	Center Su	mm	ary					
Total Revenues		\$	824,196	\$	68,683	Ф	70,425	¢	1,742	2.54%
Total Expenses		Ψ	824,198	Ψ	68,683	Ψ	77,573	Ψ	(8,890)	-12.94%
Total Expenses			024,190		00,003		11,513		(0,090)	-12.94 /0
Surplus/(Deficit)		\$	(2)	\$	(0)	\$	(7,148)	:		
Costs per 1000 Gallons		¢	16.39			ф	13.95			
•		\$ \$	19.91			\$ \$				
Operating and DS		φ	18.81			Φ	16.54			
Thousand Gallons Treated			41,401		3,450		4,691		1,241	35.97%
Thousand Gallons Treated or Flow (MGD)			41,401 0.113		3,450		4,691 0.151		1,241	35.97%

<u>Scottsville Wastewater Rate Center</u> Revenues and Expenses Summary		Budget FY 2026		Ye	Budget ear-to-Date	Ye	Actual ear-to-Date	V	Budget /s. Actual	Variance Percentage
Operating Budget vs. Actual										
	Notes									
Revenues										
Operations Rate Revenue		\$	491,328	\$	40,944	\$	40,944	\$	-	0.00%
Interest Allocation			4,200		350		1,655		1,305	372.90%
Total Operating Revenues		\$	495,528	\$	41,294	\$	42,599	\$	1,305	3.16%
Expenses										
Personnel Cost		\$	142,484	\$	11,874	\$	12,924	\$	(1,050)	-8.84%
Professional Services		Ψ	5,000	Ψ	417	Ψ	130	Ψ	287	68.77%
Other Services & Charges			30,936		2,578		2,230		348	13.51%
Communications			6,050		504		32		473	93.73%
Information Technology			54,750		4,563		2,147		2,415	52.94%
Supplies			54,750		-,505		2,177		2,410	JZ.J4 /0
Operations & Maintenance			53,680		4,473		8,709		(4,236)	-94.68%
Equipment Purchases			3,500		292		292		(4,230)	0.00%
Depreciation			20,000		1.667		1.667		(0)	0.00%
Subtotal Before Allocations		\$	316,400	\$	26,367	\$	28,129	\$	(1,763)	-6.69%
Allocation of Support Departments		Ψ	179,127	Ψ	14,927	Ψ	15,830	Ψ	(902)	-6.04%
Total Operating Expenses		\$	495,527	\$	41.294	\$	43,959	\$	(2.665)	-6.45%
Operating Surplus/(Deficit)		\$	1	\$	0	\$	(1,360)		(2,000)	0.1070
Revenues  Debt Service Rate Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues		\$	55,428 200 4,000 <b>59,628</b>	\$	4,619 17 333 <b>4,969</b>	\$	4,619 12 138 4,769	\$	- (5) (195)	0.00% -29.44% -58.50% <b>-4.02%</b>
Total Best Gerride Neverland		<u> </u>	00,020		-1,000		-1,1 00		(200)	-1.02 /0
Debt Service Costs										
Total Principal & Interest		\$	6,526	\$	544	\$	544	\$	_	0.00%
Reserve Additions-Interest			4,000		333		138		195	58.50%
Estimated New Principal & Interest			49,100		4,092		4,092		-	0.00%
Total Debt Service Costs		\$	59,626	\$	4,969	\$	4,774	\$	195	3.92%
Debt Service Surplus/(Deficit)		\$	2	\$	0	\$	(5)			_
		Rate	Center S	umı	mary					
						_				
Total Revenues		\$	555,156	\$	46,263	\$	47,368	\$	1,105	2.39%
Total Expenses			555,153		46,263		48,733		(2,470)	-5.34%
Surplus/(Deficit)		\$	3	\$	0	\$	(1,364)	;		
Coote non 4000 Callana		Φ.	00.00			œ.	04.45			
Costs per 1000 Gallons		\$	20.96			\$	21.15			
Operating and DS		\$	23.48			\$	23.45			
Thousand Gallons Treated or			23,643		1,970		2,078		108	5.47%
Flow (MGD)			0.065				0.067			

## Administration and Communication

Administration and Co	ommunication			Budget FY 2026	Ye	Budget ear-to-Date	Actual ear-to-Date	Budget s. Actual	Variance Percentage
Operating Budge	t vs. Actual		<u>                                     </u>						
Revenues		Notes							
Payment for Services SWA Miscellaneous Revenue			\$	417,000	\$	34,750 -	\$ 34,881 49	\$ 131 49	0.38%
	Total Operating Revenues		\$	417,000	\$	34,750	\$ 34,931	\$ 181	0.52%
Expenses									
Personnel Cost			\$	1,657,525	\$	138,127	\$ 144,235	\$ (6,108)	-4.42%
Professional Services		С		103,950		8,663	25,441	(16,778)	-193.69%
Other Services & Charges		D		162,450		13,538	36,408	(22,870)	-168.94%
Communications				9,200		767	397	370	48.26%
Information Technology		Е		5,700		475	10,549	(10,074)	-2120.92%
Supplies				19,600		1,633	1,090	544	33.28%
Operations & Maintenance				66,050		5,504	3,239	2,266	41.16%
Equipment Purchases				9,000		750	750	-	0.00%
Depreciation				-		-	-	-	
	Total Operating Expenses		\$	2,033,475	\$	169,456	\$ 222,108	\$ (52,652)	-31.07%

Department Summary											
Net Costs Allocable to Rate Centers		\$	(1,616,475)	\$	(134,706)	\$	(187,178)	\$	52,471	-38.95	
Allocations to the Rate Centers											
Urban Water	44.00%	\$	711,249	\$	59,271	\$	82,358	\$	(23,087)		
Crozet Water	4.00%	\$	64,659		5,388		7,487		(2,099)		
Scottsville Water	2.00%	\$	32,330		2,694		3,744		(1,049)		
Urban Wastewater	48.00%	\$	775,908		64,659		89,845		(25,186)		
Glenmore Wastewater	1.00%	\$	16,165		1,347		1,872		(525)		
Scottsville Wastewater	1.00%	\$	16,165		1,347		1,872		(525)		
	100.00%	\$	1,616,475	\$	134,706	\$	187,178	\$	(52,471)		

## Finance and Information Technology

Finance and Information Technology			Budget FY 2026	Ye	Budget ear-to-Date	Actual ear-to-Date	Budget s. Actual	Variance Percentage
Operating Budget vs. Actual	Natas	<u>                                     </u>						
Revenues	Notes							
Payment for Services SWA		\$	581,000	\$	48,417	\$ 48,417	\$ 0	0.00%
Bond Proceeeds Funding Bond Issuance Costs			-		-		-	
Miscellaneous Revenue			-		-	3,000	3,000	
Total Operating Revenues		\$	581,000	\$	48,417	\$ 51,417	\$ 3,000	6.20%
Expenses								
Personnel Cost		\$	2,411,906	\$	200,992	\$ 199,398	\$ 1,594	0.79%
Professional Services			47,000		3,917	-	3,917	100.00%
Other Services & Charges			55,200		4,600	3,304	1,296	28.18%
Communication			73,900		6,158	9,962	(3,803)	-61.76%
Information Technology			1,550,650		129,221	51,165	78,055	60.40%
Supplies			14,000		1,167	1,066	100	8.61%
Operations & Maintenance			5,000		417	446	(29)	-6.99%
Equipment Purchases			7,500		625	625	` -	0.00%
Depreciation			-		-	-	-	
Total Operating Expenses		\$	4,165,156	\$	347,096	\$ 265,966	\$ 81,130	23.37%

Department Summary												
Net Costs Allocable to Rate Centers		\$	(3,584,156)	\$	(298,680)	\$	(214,549)	\$	(84,131)	28.17		
Allocations to the Rate Centers												
Urban Water	44.00%	\$	1,577,029	\$	131,419	\$	94,402	\$	37,017			
Crozet Water	4.00%	\$	143,366		11,947		8,582		3,365			
Scottsville Water	2.00%	\$	71,683		5,974		4,291		1,683			
Urban Wastewater	48.00%	\$	1,720,395		143,366		102,984		40,383			
Glenmore Wastewater	1.00%	\$	35,842		2,987		2,145		841			
Scottsville Wastewater	1.00%	\$	35,842		2,987		2,145		841			
	100.00%	\$	3,584,156	\$	298,680	\$	214,549	\$	84,131			

## **Maintenance**

<u></u>			Budget FY 2026	Budget Year-to-Date		Actual Year-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual	Notes	<u> </u>							
Revenues									
Payment for Services SWA		\$	-	\$ -	\$	-	\$	-	
Miscellaneous Revenue		_	=	 -	_	-	_	-	
Total Operating Revent	ues	\$	-	\$ <u> </u>	\$	-	\$	-	
Expenses									
Personnel Cost	В	\$	1,836,099	\$ 153,008	\$	185,383	\$	(32,375)	-21.16%
Professional Services			10,000	833		-		833	100.00%
Other Services & Charges			40,350	3,363		2,912		451	13.40%
Communications			20,000	1,667		1,498		169	10.14%
Information Technology			7,500	625		164		461	73.69%
Supplies			3,500	292		-		292	100.00%
Operations & Maintenance			130,300	10,858		14,178		(3,319)	-30.57%
Equipment Purchases	G		395,750	32,979		46,313		(13,334)	-40.43%
Depreciation			-	-		-		-	
Total Operating Expens	ses	\$	2,443,499	\$ 203,625	\$	250,448	\$	(46,824)	-23.00%

	[	)ep	artment S	umma	ıry		
Net Costs Allocable to Rate Centers		\$	(2,443,499)	\$	(203,625)	\$ (250,448)	\$ 46,824
Allocations to the Rate Centers							
Urban Water	30.00%	\$	733,050	\$	61,087	\$ 75,135	\$ (14,047)
Crozet Water	3.50%		85,522		7,127	8,766	(1,639)
Scottsville Water	3.50%		85,522		7,127	8,766	(1,639)
Urban Wastewater	56.50%		1,380,577		115,048	141,503	(26,455)
Glenmore Wastewater	3.50%		85,522		7,127	8,766	(1,639)
Scottsville Wastewater	3.00%		73,305		6,109	7,513	(1,405)
	100.00%	\$	2,443,499	\$	203,625	\$ 250,448	\$ (46,824)

## **Laboratory**

5	<b>5</b>		<b>.</b>	
Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
				_

## Operating Budget vs. Actual

Notes

#### Revenues

N/A

Evnor	200

	Total Operating Expenses	\$ 666.160	\$ 55.513	\$ 60.242	\$ (4.728)	-8.52%
Depreciation		 -	-	-	-	
Equipment Purchases		3,900	325	377	(52)	-15.89%
Operations & Maintenance	<b>)</b>	146,357	12,196	15,086	(2,890)	-23.69%
Supplies		2,300	192	-	192	100.00%
Information Technology		-	-	-	-	
Communications		800	67	2,097	(2,030)	-3044.87%
Other Services & Charges		9,800	817	103	714	87.37%
Professional Services		-	-	-	-	
Personnel Cost		\$ 503,003	\$ 41,917	\$ 42,580	\$ (663)	-1.58%
Expenses						

Department Summary											
Net Costs Allocable to Rate Centers		\$	(666,160)	\$	(55,513)	\$	(60,242)	\$	4,728	-8	
Allocations to the Rate Centers											
Urban Water	44.00%	\$	293,110	\$	24,426	\$	26,506	\$	(2,081)		
Crozet Water	4.00%		26,646		2,221		2,410		(189)		
Scottsville Water	2.00%		13,323		1,110		1,205		(95)		
Urban Wastewater	47.00%		313,095		26,091		28,314		(2,222)		
Glenmore Wastewater	1.50%		9,992		833		904		(71)		
Scottsville Wastewater	1.50%		9,992		833		904		(71)		
	100.00%	\$	666,160	\$	55,513	\$	60,242	\$	(4,728)		

## Engineering

Engineering		Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	V	Budget s. Actual	Variance Percentage
Operating Budget vs. Actual	Natas						
Revenues	Notes						
Payment for Services SWA		\$ -	\$ -	\$ 4,232	\$	4,232	
Total Operating Revenues		\$ -	\$ -	\$ 4,232	\$	4,232	
Expenses							
Personnel Cost		\$ 2,407,282	\$ 200,607	\$ 180,598	\$	20,009	9.97%
Professional Services		142,000	11,833	5,843		5,991	50.62%
Other Services & Charges		26,875	2,240	1,928		312	13.93%
Communications		20,628	1,719	1,013		706	41.08%
Information Technology	E	220,230	18,353	32,278		(13,925)	-75.88%
Supplies		6,700	558	365		194	34.69%
Operations & Maintenance		76,338	6,362	6,767		(405)	-6.37%
Equipment Purchases		21,500	1,792	1,792		0	0.00%
Depreciation		-	-	-		-	
Total Operating Expenses		\$ 2,921,553	\$ 243,463	\$ 230,582	\$	12,881	5.29%

Department Summary											
Net Costs Allocable to Rate Centers		\$	(2,921,553)	\$	(243,463)	\$	(226,350)	\$	(8,649)	3.55	
Allocations to the Rate Centers											
Urban Water	47.00%	\$	1,373,130	\$	114,427	\$	106,384	\$	8,043		
Crozet Water	4.00%		116,862		9,739		9,054		685		
Scottsville Water	2.00%		58,431		4,869		4,527		342		
Urban Wastewater	44.00%		1,285,483		107,124		99,594		7,530		
Glenmore Wastewater	1.50%		43,823		3,652		3,395		257		
Scottsville Wastewater	1.50%		43,823		3,652		3,395		257		
	100.00%	\$	2,921,553	\$	243,463	\$	226,350	\$	17,113		

#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: DANIEL G. CAMPBELL, DIRECTOR OF OPERATIONS &

**ENVIRONMENTAL SERVICES** 

REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: OPERATIONS REPORT FOR AUGUST 2025** 

DATE: **SEPTEMBER 23, 2025** 

## **WATER OPERATIONS**:

The average and maximum daily water volumes produced in August 2025 were as follows:

Water Treatment Plant	Average Daily Production (MGD)	Maximum Daily Production in the Month (MGD)
South Rivanna	9.22	10.24 (8/29/2025)
Observatory	1.26	2.07 (8/12/2025)
North Rivanna	<u>0.06</u>	0.37 (8/12/2025)
Urban Total	10.54	11.62 (8/12/2025)
Crozet	0.74	0.93 (8/8/2025)
Scottsville	0.06	0.100 (8/25/2025)
Red Hill	0.0022	0.006 (8/20/2025)
RWSA Total	11.34	-

All RWSA water treatment facilities were in regulatory compliance during the month of August.

#### Status of Reservoirs (as of September 17, 2025):

- ➤ Urban Reservoirs are 96% of Total Useable Capacity
  - South Rivanna Reservoir is 100% full
  - Ragged Mountain Reservoir is 94% full
  - Sugar Hollow Reservoir is 96% full
  - ➤ Beaver Creek Reservoir (Crozet) is 98% full
  - ➤ Totier Creek Reservoir (Scottsville) is 100% full

## **WASTEWATER OPERATIONS**:

All RWSA Water Resource Recovery Facilities (WRRFs) were in regulatory compliance with their effluent limitations during August 2025. Performance of the WRRFs in August was as follows compared to the respective VDEQ permit limits:

WRRF	Average Daily Effluent	Average (pp		Average Suspende (pp	d Solids	Average Ammonia (ppm)			
	Flow (MGD)	RESULT	LIMIT	RESULT	LIMIT	RESULT	LIMIT		
Moores Creek	8.50	<ql< th=""><th>9</th><th><ql< th=""><th>22</th><th><ql< th=""><th>2.2</th></ql<></th></ql<></th></ql<>	9	<ql< th=""><th>22</th><th><ql< th=""><th>2.2</th></ql<></th></ql<>	22	<ql< th=""><th>2.2</th></ql<>	2.2		
Glenmore	0.130	<ql< th=""><th>15</th><th>4.4</th><th>30</th><th>NR</th><th>NL</th></ql<>	15	4.4	30	NR	NL		
Scottsville	0.055	<ql< th=""><th>25</th><th>3.3</th><th>30</th><th>NR</th><th>NL</th></ql<>	25	3.3	30	NR	NL		
Stone Robinson	0.002	NR	30	NR	30	NR	NL		

NR = Not Required

NL = No Limit

<QL: Less than analytical method quantitative level (2.0 ppm for CBOD, 1.0 ppm for TSS, and 0.1 ppm for Ammonia).

Nutrient discharges at the Moores Creek AWRRF were as follows for August 2025.

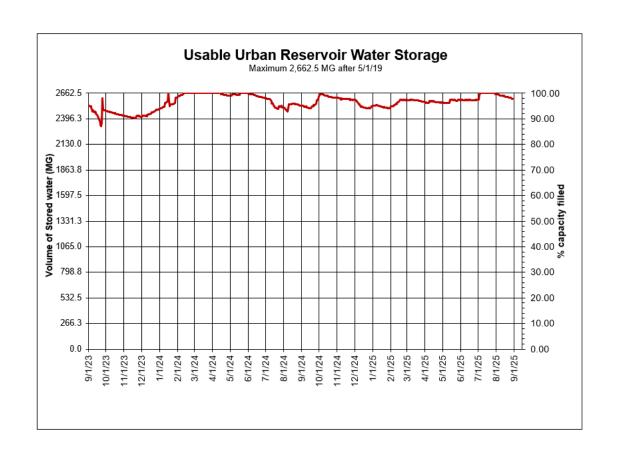
State Annual Allocation (lb./yr.) Permit		Average Monthly Allocation (lb./mo.) *	Moores Creek Discharge August (lb./mo.)	Performance as % of monthly average Allocation*	Year to Date Performance as % of annual allocation
Nitrogen	282,994	23,583	7,818	33%	25%
Phosphorous	18,525	1,636	350	21%	11%

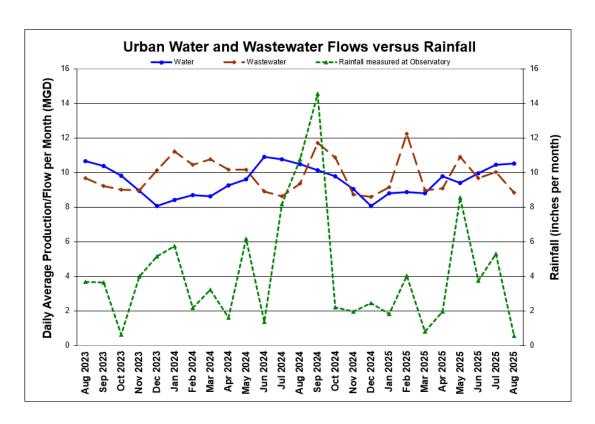
<sup>\*</sup>State allocations are expressed as annual amounts. One-twelfth of that allocation is an internal monthly benchmark for comparative purposes only.

## **WATER AND WASTEWATER DATA**:

The following graphs are provided for review:

- Usable Urban Reservoir Water Storage
- Urban Water and Wastewater Flows versus Rainfall







#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING &

**MAINTENANCE** 

REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: CIP PROJECTS REPORT

DATE: SEPTEMBER 23, 2025

This memorandum reports on the status of the following major Capital Projects as well as other significant operating, maintenance, and planning projects. *Recent budget changes, if any, are highlighted in the project information below.* 

For the current CIP and additional project information, please visit: <a href="https://www.rivanna.org/wp-content/uploads/2024/06/2025-2029-CIP-Final-Draft.pdf">https://www.rivanna.org/wp-content/uploads/2024/06/2025-2029-CIP-Final-Draft.pdf</a>

#### **Summary**

	Project	Construction Start Date	Construction Completion Date
1	Central Water Line, Phase 1	October 2025	December 2029
2	Red Hill Water Treatment Plant Upgrades	January 2025	June 2026
3	South Fork Rivanna River Crossing	December 2024	January 2027
4	RMR to OBWTP Raw Water Line and Pump Station	February 2025	June 2029
5	MC Building Upfits and Gravity Thickener Improvements	May 2025	May 2027
6	MC Structural and Concrete Rehabilitation	May 2025	May 2027
7	Crozet Pump Stations Rehabilitation	April 2026	April 2028
8	MC Administration Building Renovation and Addition	August 2025	December 2027
9	SRWTP – PAC Upgrades	November 2025	June 2027
10	RMR Pool Raise	September 2025	December 2026
11	Crozet WTP GAC Expansion, Phase 1	March 2026	May 2028
12	Central Water Line, Phase 2	March 2026	May 2028
13	MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades	June 2026	December 2027
14	SRR to RMR Pipeline, Intake, and Facilities	May 2026	December 2030
15	Beaver Creek Dam, Pump Station, and Piping	January 2027	December 2030
16	Upper Schenks Branch Interceptor, Phase 2	2026	2028

17	Glenmore WRRF, Phase 1	June 2026	January 2028
18	Dam Concrete and Steel Repairs	May 2026	April 2027
19	SVWRRF Generator	June 2026	June 2027
20	SVWRRF Permit Modification Upgrades	May 2026	May 2027
21	Sewer and Manhole Repairs, Phase 2	December 2025	June 2027

#### **Under Construction**

- 1. Central Water Line, Phase 1
- 2. Red Hill Water Treatment Plant Upgrades
- 3. South Fork Rivanna River Crossing
- 4. RMR to OBWTP Raw Water Line and Pump Station
- 5. MC Building Upfits and Gravity Thickener Improvements
- 6. MC Structural and Concrete Rehabilitation
- 7. Crozet Pump Stations Rehabilitation
- 8. MC Administration Building Renovation and Addition
- 9. SRWTP PAC Upgrades
- 10. RMR Pool Raise

#### Design and Bidding

- 11. Crozet WTP GAC Expansion, Phase 1
- 12. Central Water Line, Phase 2
- 13. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades
- 14. SRR to RMR Pipeline, Intake, and Facilities
- 15. Beaver Creek Dam, Pump Station, and Piping
- 16. Upper Schenks Branch Interceptor, Phase 2
- 17. Glenmore WRRF Upgrade, Phase 1
- 18. Dam Concrete and Steel Repairs
- 19. SVWRRF Generator
- 20. SVWRRF Permit Modification Upgrades
- 21. Sewer and Manhole Repairs, Phase 2

#### Planning and Studies

- 22. MCAWRRF Biogas Upgrades
- 23. Flood Protection Resiliency Study

#### Other Significant Projects

- 24. Urgent and Emergency Repairs
- 25. Security Enhancements

#### **Under Construction**

#### 1. Central Water Line, Phase 1

Design Engineer: Michael Baker International (Baker)

Construction Contractor: Sagres Construction Corporation (Alexandria)

Construction Start: October 2025

Percent Complete: 2%

Base Construction Contract +

Change Order to Date = Current Value: \$47,450,000 Completion: December 2029

Budget: \$58 M

<u>Current Status</u>: The first phase of water line construction will include Stadium Rd, Piedmont Ave, Price Ave, and Lewis St (to the railroad tracks) and will begin in October. The contractor is coordinating with the City to relocate gas lines along the initial phase. A community information meeting was held on September 16 from 5 - 6:30 pm at the Carver Recreation Center. A notification letter was mailed to all property owners along the route.

#### 2. Red Hill Water Treatment Plant Upgrades

Design Engineer: Short Elliot Hendrickson (SEH)
Construction Contractor: Anderson Construction (Lynchburg)

Construction Start: January 2025

Percent Complete: 10%

Base Construction Contract +

Change Order to Date = Current Value: \$2,067,000 - \$324,625 = \$1,742,375

Completion: June 2026 Budget: \$2.05 M

Current Status: Erosion control and site work began this month.

#### 3. South Fork Rivanna River Crossing

Design Engineer: Michael Baker International (Baker)

Construction Contractor: Faulconer (Charlottesville)

Construction Start: December 2024

Percent Complete: 25%

Base Construction Contract +

Change Order to Date = Current Value: \$4,916,940 + \$250,000 = \$5,166,940

Completion: January 2027 Budget: \$6.25 M

<u>Current Status</u>: Horizontal Directional Drilling subcontractor has completed the pilot hole for the 1,200 LF directional drill and is now back-reaming to enlarge the opening for the water line. A portion of Old Rio Mills Road will be closed for several more months during construction of the new 24" water line. The contractor continues to address erosion and sediment control issues related to the drilling operation.

## 4. Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line and Pump Station

Design Engineer: Kimley-Horn

Construction Contractor: Thalle Construction (North Carolina)

Construction Start: February 2025

Percent Complete: 10%

Base Construction Contract +

Change Order to Date = Current Value: \$56,532,000 - \$2,779,390 = \$53,752,610

Completion: June 2029 Budget: \$61.49 M

<u>Current Status</u>: Pipe installation in the wooded area between Hereford Drive and Fontaine Avenue continues. Controlled blasting was successfully completed in this area. Installation of the pipeline across Fontaine Avenue is underway and will be completed from 8 PM – 5 AM thru the end of October. Although lane closures will be required while work is active, Fontaine Ave will remain open in all directions.

#### 5. MCAWRRF Building Upfits and Gravity Thickener Improvements

Design Engineer: Short Elliot Hendrickson (SEH)

Construction Contractor: English (Lynchburg, VA)

Construction Start: May 2025
Percent Complete: 10%

Base Construction Contract+

Change Order to Date = Current Value: \$9,821,000 - \$189,500 = \$9,631,500

Completion: May 2027 Budget: \$11.8 M

<u>Current Status:</u> The contractor is working on improvements to the Duty Station which will provide temporary office and storage space for personnel while office spaces in the Maintenance Shop are being renovated. Foundation work for the new maintenance office space under the Vehicle Maintenance Shop canopy has begun.

#### 6. MCAWRRF Structural and Concrete Rehabilitation

Design Engineer: Hazen and Sawyer (Hazen)

Construction Contractor: WM Schlosser (Hyattsville, MD)

Construction Start: May 2025

Percent Complete: 10%

Base Construction Contract+

Change Order to Date = Current Value: \$13,866,000 - \$898,500 = \$12,967,500

Completion: May 2027 Budget: \$15.5 M

<u>Current Status:</u> Sandblasting, priming, and purlin replacement at the Maintenance storage building are underway. Concrete repairs have begun on the Digesters, and solids removal and concrete repairs of the equalization basins will begin this month.

#### 7. Crozet Pump Stations Rehabilitation

Design Engineer: Wiley | Wilson

Construction Contractor: Waco, Inc. (Sandston, VA)

Construction Start: April 2026

Percent Complete: 5%

Base Construction Contract+

Change Order to Date = Current Value: \$9,583,350 Completion: April 2028 Budget: \$12.35 M

<u>Current Status</u>: Materials have been ordered and have lengthy delivery times.

#### 8. Moores Creek Administration Building Renovation and Addition

Design Engineer: SEH

Construction Contractor Martin Horn (Charlottesville)

Construction Start: August 2025

Percent Complete: 5%

Base Construction Contract+

Change Order to Date = Current Value \$22,094,000 Completion: December 2027

Budget: \$27.6 M

<u>Current Status</u>: Site work and installation of items required to maintain network connectivity during construction are underway. Staff office trailers are on-site with move-in expected in November.

#### 9. SRWTP – PAC Upgrades

Design Engineer: SEH

Construction Contractor Waco, Inc (Sandston, VA)

Construction Start: November 2025

Percent Complete: 5%

Base Construction Contract+

Change Order to Date = Current Value \$1,497,000 Completion: June 2027 Budget: \$1.82 M

<u>Current Status:</u> Submittals for the powered activated carbon tank are being processed and materials are being ordered.

#### 10. RMR Pool Raise

Design Engineer: Schnabel Engineering

Construction Contractor: Faulconer Construction (Charlottesville)

Construction Start: September 2025

Percent Complete: 5%

Base Construction Contract+

Change Order to Date = Current Value \$12,329,000 - \$1,310,950 = \$11,018,050

Completion: December 2026

Budget: \$13.2 M

<u>Current Status:</u> An information meeting for neighborhood stakeholders and the public was held on August 28<sup>th</sup>. Clearing around the reservoir will begin in November. Contractor is working in Reservoir Road to improve the gravel turnouts utilized for vehicle pull-off.

#### **Design and Bidding**

#### 11. Crozet GAC Expansion, Phase 1

Design Engineer:

Project Start:

Project Status:

Construction Start:

Completion:

SEH

July 2023

Award

March 2026

May 2028

Budget: increased from \$10 to 12 M

<u>Current Status:</u> Authorization to award the construction contract to English Construction Company is on the Board's agenda this month. Grant funds totaling \$7.24 M from VDH will support this project.

#### 12. Central Water Line, Phase 2

Design Engineer: Michael Baker International (Baker)

Project Start:

Project Status:

75% Design
Construction Start:

Completion:

May 2028

Budget:

\$21 M

<u>Current Status</u>: Survey work is complete and water piping design for the E. High Street area is underway. Engineers are developing 90% design drawings and permit applications. A private easement will be required as well as easements on two City parcels.

#### 13. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades

Design Engineer: Hazen and Sawyer (Hazen)

Project Start:

Project Status:

Construction Start:

Completion:

June 2023

90% Design

June 2026

December 2027

Budget: \$9.7 M

<u>Current Status</u>: Final design is proceeding. Acquisition of a small parcel outside the MCAWRRF fence line is needed. Negotiations are underway.

#### 14. SRR to RMR Pipeline, Intake, and Facilities

Design Engineer: Kimley Horn (pipeline)

Design Engineer: SEH (pump station and intake)

Project Start:

Project Status:

Project Status:

Construction Start:

Completion:

July 2023

99% Design

May 2026

December 2030

Budget: \$117 M

<u>Current Status</u>: The Design Engineers are finalizing the bid package in preparation for advertising in late September.

#### 15. Beaver Creek Dam, Pump Station and Piping Improvements

Design Engineer: Schnabel Engineering (Dam)

Design Engineer: Hazen & Sawyer (Pump Station and Intake)

Project Start: February 2018
Project Status: 75% Design
Construction Start: January 2027
Completion: December 2030

Budget: \$62 M

<u>Current Status</u>: Design of the pump station continues including recommendations from the Value Engineering workshop. Discussions with the County are underway to acquire or lease the Pump Station property. Easement negotiations for the new raw water main are underway.

Final design of the dam spillway upgrades is ongoing, with efforts focusing on primary spillway riser modifications to meet new seismic criteria. Changes to the spillway bridge design are being completed based on feedback from VDOT. A significant (\$20 M) construction grant from the NRCS is anticipated.

#### 16. Upper Schenks Branch Interceptor, Phase 2

Design Engineer: CHA Consulting

Project Start:
Project Status:
Construction Start:
Completion:

July 2021
Design
2026
2027

Budget: \$6.4 M for RWSA section; \$11 – 15 M including

City section

Current Status: Meetings with the County and City are ongoing to finalize the piping alignment.

#### 17. Glenmore WRRF Upgrade, Phase 1

Design Engineer: SEH

Project Start: March 2025
Project Status: 90% Design
Construction Start: June 2026
Completion: January 2028
Budget: \$1.65 M

<u>Current Status</u>: This project will replace wastewater treatment equipment at the end of its useful life and reduce the noise generated from the aeration system blowers. Replacement of the UV disinfection system was accelerated and installation is underway.

#### 18. Dam Concrete and Steel Repairs

Design Engineer:

Project Start:

Project Status:

Construction Start:

Completion:

Budget:

GAI Consultants

January 2025

10% Design

May 2026

April 2027

\$1.28 M

<u>Current Status</u>: Structural assessments of the Sugar Hollow, South Rivanna, Lickinghole Creek, and Totier Creek dams have been completed. Design of the recommended repairs is underway.

#### 19. SVWRRF Generator

Design Engineer:

Project Start:

October 2022

Project Status:

Bidding

Construction Start:

Completion:

June 2027

Budget:

\$0.9 M

<u>Current Status</u>: Construction bids are due on Sept 30. This project will replace the emergency power generator which supports the Wastewater Treatment Plant.

#### 20. SVWRRF Permit Modification Upgrades

Design Engineer: Short Elliot Hendrickson

Project Start:

Project Start:

Project Status:

Construction Start:

Completion:

Budget:

July 2025

5% Design

May 2026

May 2027

Start:

Start:

Start:

May 2027

<u>Current Status</u>: This project includes influent pump station and headworks upgrades, aeration piping rehabilitation, a new storage and chemical feed building, and flood resiliency improvements.

#### 21. Sewer and Manhole Repairs, Phase 2

Design Engineer: CHA Consulting, Inc.

Construction Contractor: Vortex Services, LLC (Chesapeake, VA)

Construction Start: December 2025

Percent Complete: 0%

Base Construction Contract+

Change Order to Date = Current Value \$1,439,440 Completion: June 2027

Budget: increased from \$1.5 to \$2.2 M

<u>Current Status:</u> The scope of work includes 7,000 LF of cured in place pipe lining, rehabilitation of 20 manholes, and 12,000 LF of sewer cleaning and inspecting. Award of this contract is on the Board's agenda this month.

#### **Planning and Studies**

#### 22. MCAWRRF Biogas Upgrades

Design Engineer: SEH

Project Start: October 2021

Project Status: Preliminary Engineering/Study (99%)

Completion: December 2024

Budget: \$6.2 M

<u>Current Status</u>: RWSA and City staff continue to discuss all available options to reuse biogas.

#### 23. Flood Protection Resiliency Study

Design Engineer: Hazen

Project Start: August 2024

Project Status: Preliminary Engineering/Study

Completion: April 2026 Budget: \$278,500

<u>Current Status</u>: This project will identify individualized flood mitigation measures for various facilities to increase their resiliency from a 1% to a 0.2% flooding event and will focus on facilities located at the Moores Creek AWRRF within those flood event boundaries. This project received \$198,930 in grant funding from FEMA and VDEM.

#### **Other Significant Projects**

#### 24. <u>Urgent and Emergency Repairs</u>

Staff are currently working on several urgent repairs within the water and wastewater systems as listed below:

Project No.	Project Description	Approx. Cost
2023-01	Finished Water System ARV Repairs	\$150,000
2024-09	Stillhouse Waterline Erosion @ Ivy Creek	\$200,000
2025-03	Rivanna Interceptor Stream Crossing Repairs	TBD

• RWSA Finished Water ARV Repairs: RWSA Engineering staff recently met with Maintenance staff to identify a list of Air Release Valves (ARVs) that need to be repaired, replaced, or abandoned. Several of these locations will require assistance from RWSA On-Call Maintenance Contractors, due to the complexity of the sites (proximity to roadways, depth, etc.). The initial round will include seven (7) sites, all along the South Rivanna Waterline. Three replacements

have been completed at this time, with a fourth site in progress. This in progress site included abandonment of an existing manual ARV located in the middle of the Route 29-Hydraulic intersection, which has been completed, and was a major coordination effort with VDOT, as they intend to pave this area in the coming weeks. The Contractor is working with VDOT on permits for the final sites. The remaining replacements will be scheduled pending Contractor availability.

- Stillhouse Waterline Erosion at Ivy Creek: In November 2024, it was discovered that the banks of Ivy Creek had experienced significant erosion during some of the heavy rainstorms earlier in the Fall, and that the erosion was now intruding on RWSA's 12" Stillhouse Waterline. The area was temporarily armored with sandbags in December, to protect the waterline from further erosion in the interim. Staff are working with the USACOE to permit a permanent bank stabilization project, which will include placement of large rip-rap along the streambank. Given continued region-wide disaster relief efforts associated with Hurricane Helene, it is anticipated that permits may not be received until Spring 2025. RWSA intends to utilize its On-Call Maintenance Contractor, Faulconer Construction Company, for completion of this work and is seeking funding/reimbursement opportunities through FEMA. USACOE permitted the project on May 7<sup>th</sup>, with a time of year restriction that will not allow the work to start until August. Repairs were completed on September 4<sup>th</sup>.
- Rivanna Interceptor Stream Crossing Repairs: In Spring 2025, during annual inspections performed by the RWSA Maintenance Department, erosion was identified at two stream crossings along the Rivanna Interceptor to the North of the Dunlora subdivision. RWSA On-Call Maintenance Contractor, Digs, temporarily stabilized the worst of the two stream crossing sites with sandbags, to protect the pipe as the design of the repair is finalized. RWSA will be utilizing Design Engineer, SEH, for assistance with plans and USACOE permitting.

#### 25. Security Enhancements

Design Engineer: Hazen & Sawyer

Construction Contractor: Security 101 (Richmond, VA)

Construction Start: March 2020

Percent Complete: 99% (WA9), 80% (WA #12)

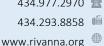
Based Construction Contract +

Change Orders to Date = Current Value: \$718,428 (WA1) + \$1,006,804 (WA2-12) Completion: June 2025 (WA9), December 2025 (WA12)

Budget: \$2.98 M

Current Status: WA9 will include installation of card access on all exterior doors at the South Rivanna WTP and has been amended to include interior doors at the new IT data center. WA12 includes installation of card access on all exterior doors at the Observatory WTP, as well as two small electrical buildings at MCAWRRF. Design of MCAWRRF entrance modifications with Hazen & Sawyer continues, with discussions with Dominion Energy also ongoing, as relocation of existing electrical infrastructure will be required. This relocation process will need to be finalized prior to the project proceeding to the bidding phase. Relocation of existing electrical infrastructure will require coordination with the adjacent landowner, as the infrastructure must be completely relocated from the entrance area. As these discussions are ongoing, staff have submitted appropriate permitting documents to Albemarle County.





#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

BETSY NEMETH, DIRECTOR OF ADMINISTRATION AND FROM:

**COMMUNICATIONS** 

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

ADMINISTRATION AND COMMUNICATIONS REPORT **SUBJECT:** 

DATE: **SEPTEMBER 23, 2025** 

#### **Human Resources**

Fiscal year 2026 turnover is 5.6% through September 12, which includes one retirement.

We are excited to welcome several new employees:

- Michelle Dewberry Water Operator Trainee
- Ahmad McKinney Water Operator Trainee
- Daniel Paisley IT SCADA Technician

Jacob Woodson, Alisa Cooper, Madison Kelly, Debra Hoyt, Rich McElfresh, David Jeffries, Bonnie Eveleth, and Duane Houchens are participating in virtual training called "Looking at Leadership". This training is being led by Tim Smith from BarrenRidge Consulting and is an initial look at being a leader at the Rivanna Authorities.

#### **Safety**

With all the construction projects going on, our Safety Manager has been busy attending pre-construction meetings and reviewing safety plans. He also held an electric pallet jack training course for our Water Department employees.

We are currently looking at new software to use for our safety training and incident reporting and hope to have a contract in place shortly

#### **Community Outreach**

We held a Community Information Session about the Ragged Mountain Reservoir Pool Raise project on August 28, 2025. We held a Community Information Session for the Central Water Line project at the Carver Recreation Center on September 16, 2025. Both sessions were informative for the local communities, and we appreciate the Engineering and IT Departments for their work on these sessions.

We are currently updating the signs at several of our facilities and you should see the new signs in the coming months.

www.rivanna.org



#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING &

**MAINTENANCE** 

REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

**BILL MAWYER, EXECUTIVE DIRECTOR** 

SUBJECT: WHOLESALE METERING REPORT FOR AUGUST 2025

DATE: SEPTEMBER 23, 2025

The monthly and average daily Urban water system usages by the City and the ACSA for August 2025 were as follows:

	Month	Daily Average	
City Usage (gal)	152,907,725	4,932,507	46.9%
ACSA Usage (gal)	173,252,232	5,588,782	53.1%
Total (gal)	326,159,957	10,521,289	

The RWSA Wholesale Metering Administrative and Implementation Policy requires that water use be measured based upon the annual average daily water demand of the City and ACSA over the trailing twelve (12) consecutive month period. The Water Cost Allocation Agreement (2012) established a maximum water allocation for each party. If the annual average water usage of either party exceeds this value, a financial true-up would be required for the debt service charges related to the Ragged Mountain Dam and the SRR-RMR Pipeline projects. Below are graphs showing the calculated monthly water usage by each Utility dating back to the beginning of FY 22, the trailing twelve-month average (extended back to September 2024), and that usage relative to the maximum allocation for each party (6.71 MGD for the City and 11.99 MGD for ACSA). Completed in 2019 for a cost of about \$3.2 M, our Wholesale Metering Program consists of 25 remote meter locations around the City boundary and 3 finished water flow meters at treatment plants.

Note 1: Meter 28 was reporting incorrect readings for the first 10 days of August. RWSA used a 3-month average to fill in the data for this meter for the month of August to alleviate this period of inconsistency. The meter is working correctly now and reporting accurate values.

Figure 1: City of Charlottesville Monthly Water Usage and Allocation

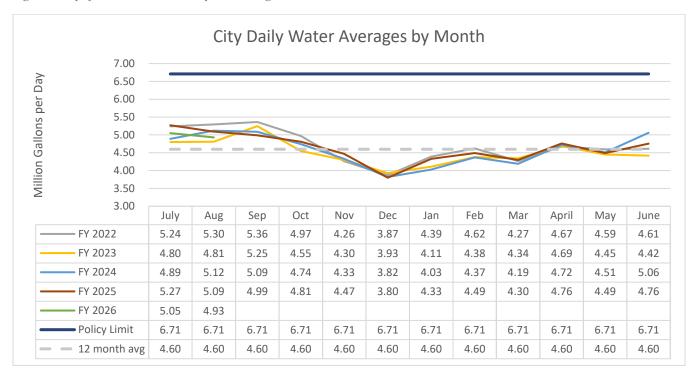
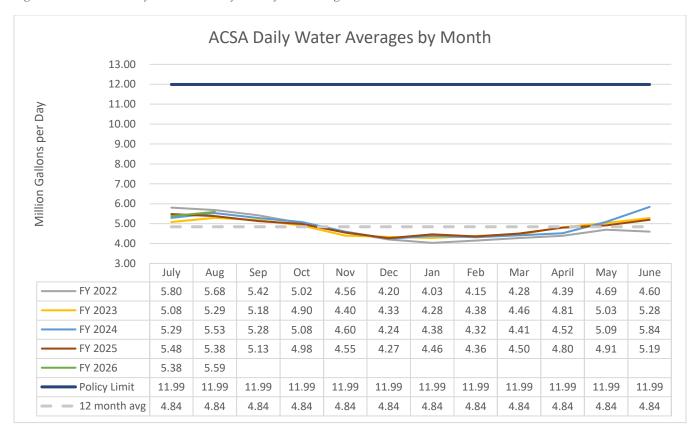


Figure 2: Albemarle County Service Authority Monthly Water Usage and Allocation





TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: BETHANY HOUCHENS, WATER RESOURCES COORDINATOR

REVIEWED: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

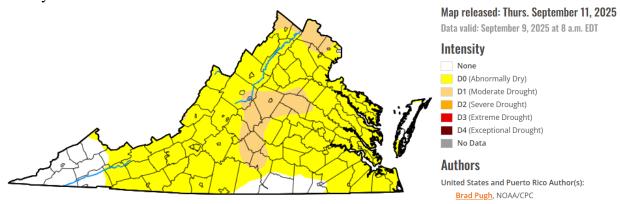
BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: DROUGHT MONITORING REPORT

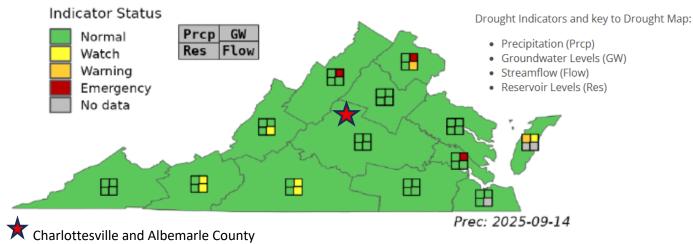
DATE: SEPTEMBER 23, 2025

#### State and Federal Drought Monitoring as of September 11, 2025:

• U.S. Drought Monitoring Report: Indicates the City of Charlottesville and most of Albemarle County are in moderate drought conditions. The northwest corner of the county is abnormally dry.



• VDEQ Drought Status Report: Our region is listed as being in a "Normal" level for groundwater, streamflow, reservoir levels, and precipitation.



#### **Precipitation & Stream Flows**

Charlottesville Precipitation							
Year	Month	Observed	Normal (in.)	Departure	Comparison to		
		(in.)		(in.)	Normal (%)		
2021	Jan - Dec	33.82	41.61	-7.79	-19		
2022	Jan - Dec	43.53	41.61	+1.92	+5		
2023	Jan – Dec	26.95	41.61	-14.66	-35		
2024	Jan - Dec	39.56	41.61	-2.05	-5		
2025	Jan-August	27.20	27.81	-0.61	-2		

Source: National Weather Service, National Climatic Data Center, Climate Summary for Charlottesville, Charlottesville Albemarle Airport station

USGS Stream Gaging Station Near the Urban Area (Sept 5-Sept 11)							
Gage Name Rolling 7-day Avg. Stream Flow Median Daily Streamflow							
cfs mgd cfs mgd							
Mechums River	21.4	13.8	23	14.9			
Moormans River	6.7	4.3	9.5	6.1			
NF Rivanna River	21.4	13.8	24.7	15.9			
SF Rivanna River	24.9	16.1	68	43.6			

Median daily flow: September 11<sup>th</sup> for the period of record (approx. 30 - 80 years)

#### Status of Reservoirs as of September 17, 2025

- ➤ Urban Reservoirs are 96% of Total Useable Capacity
- ➤ Beaver Creek Reservoir (Crozet) is 98% of Total Useable Capacity
- Totier Creek Reservoir (Scottsville) is 100% of Total Useable Capacity

#### **Drought History in Central Virginia**

Severe: 1838, 1930, 1966, 1979, 2002
Longest: May 2007 - April 2009; 103 weeks

Significant: every 10 -15 years
Drought of Record: 2001- 2002; 18 months



#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: JENNIFER A. WHITAKER, DIRECTOR OF ENGINEERING AND

**MAINTENANCE** 

REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: APPROVAL OF CONSTRUCTION CONTRACT AWARD AND

CAPITAL IMPROVEMENT PLAN AMENDMENT – CROZET WATER TREATMENT PLANT GAC EXPANSION – ENGLISH

**CONSTRUCTION CO.** 

DATE: SEPTEMBER 23, 2025

This request is to authorize the award of a contract for \$9,920,000 to English Construction Company of Lynchburg, VA to construct the Crozet Water Treatment Plant (WTP) GAC Expansion project. An amendment to increase the FY 26-30 CIP funding for this project by \$2,045,000 is required to construct a new Granular Activated Carbon (GAC) Facility at the Crozet WTP to increase GAC filter capacity from 1 to 2.75 mgd to match total water treatment capacity. The total budget for this project will be \$12,165,000. Construction will be completed from March 2026 through May 2028.

#### Background

To enhance RWSA's resiliency and commitment to long term finished water quality, the Authority has committed to expanding the GAC treatment capacity at the Crozet WTP to match the current plant treatment capacity. GAC has been identified as a leading best management practice to remove disinfection byproduct pre-cursers and similar potential contaminants from source water and can be used to manage removal of PFAS and other emerging contaminants and compounds that are under consideration for regulation in the future. As a result, increased GAC treatment capacity will provide Crozet WTP with the flexibility to provide high quality drinking water under various future conditions. This project includes construction of a new 3040 SF pre-engineered metal GAC building to house two additional GAC vessels and the necessary pumps, piping, and electrical components to connect the new facility to the existing treatment plant.

An Invitation for Bids (IFB #424) was issued on June 26, 2025. A pre-bid conference was held on July 9, 2025. Construction bids were opened for the project on August 7, 2025. Three competitive bids were received with offers ranging from \$9,920,000 M to \$11,722,000. The apparent low bidder was English Construction Company (ECC) of Lynchburg, VA with a total base bid of \$9,920,000.

The design engineer, Short Elliot Hendrickson Inc. (SEH), has reviewed the bid documents

submitted by ECC and verified that the bid and attached documents are both responsive and responsible. ECC's bid was higher than the Engineer's estimate of \$8,320,000. Based on ECC's experience and positive references, SEH and staff recommend the company be awarded the contract. The current CIP budget for the Crozet Water Treatment Plant GAC Expansion project is \$10,120,000. A budget increase of \$2,045,000 is required to fully fund the project.

Grant funding totaling \$7,240,000 from the Bipartisan Infrastructure Law (BIL) Virginia Drinking Water State Revolving Fund Program for Emerging Contaminants Removal will be used to offset costs associated with the Crozet WTP GAC Expansion Project. A construction bid procurement review has been completed by the Virginia Department of Health Financial and Construction Assistance Program (FCAP) and RWSA has been authorized by that program to proceed with award of the project to ECC.

#### **Board Action Requested:**

Approval of the following:

- 1. An amendment to the FY 26 30 CIP for the Administration Building Renovation and Addition Project to increase the budget by \$2,045,000 to a total budget of \$12,165,000.
- 2. Authorization for the Executive Director to award a construction contract to English Construction Company for a total amount of \$9,920,000 and to approve any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract amount.



Crozet Water Treatment Plant GAC Expansion
Capital Improvement Plan Amendment and Construction Award

## Presented to the Board of Directors by:

Victoria Fort, P.E., Senior Civil Engineer September 23, 2025



## **Crozet Water Treatment Plant GAC Expansion Project**

- Demolish existing storage building and concrete clearwells.
- Construct a new GAC facility with 2 additional contactors for full GAC treatment capacity at the Crozet WTP.
- Construct a new concrete clearwell adjacent to the GAC building.
- New backwash supply pipeline & backwash tank valve replacements
- Site piping and fencing modifications
- Construction Award recommended to English Construction Company of Lynchburg, VA

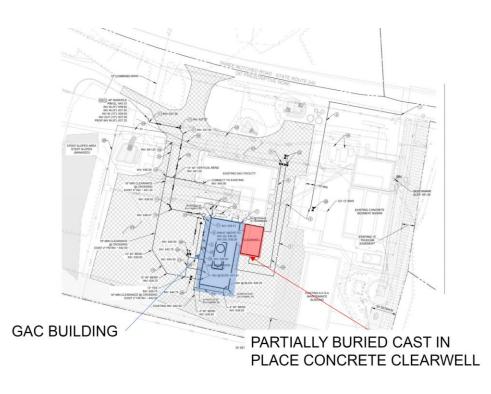
Contract Amt: \$9,920,000



# **New GAC Facility and Clearwell**

- New 3,040 SF pre-engineered metal building to match existing GAC building
- Two new 40,000-lb GAC Contactors to increase GAC treatment capacity from 1 MGD to 2.75 MGD
- Replacement of existing undersized clearwell tanks with new partially buried cast-in-place concrete clearwell. This new clearwell will serve as the suction side storage for the existing and new intermediate pumps.





# **BIL VDH Emerging Contaminants Grant Funding**

- Grant Funds were awarded in 2022, 2023, and 2025 under the Bipartisan Infrastructure Law (BIL) Virginia Drinking Water State Revolving Fund Program for Emerging Contaminants Removal
- All funds granted under this program are being applied to Crozet WTP GAC Expansion
- Total Grant Amount \$7.24 M



## **BUDGET AND SCHEDULE**

- Current CIP Budget \$10.12 M
- 3 Bids Received
  - Bids ranged from \$9,920,000 11,722,000
  - English Construction Company was the low bidder
- Revised CIP Budget \$12.165 M (\$7.24 M in grant funding)
- Construction Schedule: Mar 2026 May 2028

REVISED CIP BUDGET	
Engineering (Design/Bid/CA)	\$657,000
Construction (+10% Contingency)	\$10,912,000
Commissioning	\$496,000
Miscellaneous	\$100,000
CIP Budget	\$12,165,000
VDH Grant	- \$7,240,000
	\$4,925,000

# **QUESTIONS?**

#### **Board Action Requested:**

- 1. Amend the FY 26 30 CIP for the Crozet Water Treatment Plant GAC Expansion project to increase the budget by \$2,045,000. This amendment would bring the total CIP budget for this project to \$12,165,000.
- 2. Authorize the Executive Director to award a construction contract for IFB#424 to English Construction Company for a total amount of \$9,920,000 and to approve any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.

www.rivanna.org



#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: JENNIFER A. WHITAKER, DIRECTOR OF ENGINEERING AND

**MAINTENANCE** 

REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

**BILL MAWYER, EXECUTIVE DIRECTOR** 

SUBJECT: CAPITAL IMPROVEMENT PLAN AMENDMENT AND

APPROVAL OF CONSTRUCTION CONTRACT AWARD -

INTERCEPTOR SEWER-MH REPAIR (PHASE 2) –

**VORTEX SERVICES, LLC** 

DATE: SEPTEMBER 23, 2025

This request is to authorize award of a contract in the amount of \$1,439,440 to Vortex Services, LLC for rehabilitation of sanitary sewer mains and manholes. An amendment to increase the FY 26-30 CIP funding for this project totaling \$693,000 is also requested. The total budget for this project will be \$2,185,000.

#### Background

RWSA owns and operates over 70 miles of sanitary sewer interceptor pipeline and nearly 700 manholes. To maintain the system, reduce inflow and infiltration by stormwater and groundwater, and renew these assets for continued service, RWSA periodically issues sanitary sewer rehabilitation contracts through its CIP. Reduction of inflow and infiltration (I & I) in the system is especially important, as it reduces the chance for sanitary sewer overflows (SSOs) during high flow events, protects downstream treatment processes, and maintains capacity for growth. Rehabilitation is generally scoped through condition assessment efforts performed by RWSA's consultants, as well as the RWSA Maintenance Department. Typical rehabilitation contracts include installation of cured in place pipe lining (CIPP) to repair defects along the sanitary sewer interceptors, as well as manhole coatings and frame and cover replacements. The scope of work identified for this particular project includes approximately 7,000 LF of CIPP lining, the rehabilitation of approximately 20 manholes, and approximately 12,000 LF of sewer cleaning and inspecting.

An Invitation for Bids (IFB #433) was issued on August 1, 2025. A pre-bid conference was held on August 13, 2025. Construction bids were opened for the project on September 3<sup>rd</sup>, 2025, and two bids were received from Vortex Services, LLC (\$1,439,440) and Mobile Dredging & Video Pipe, Inc (\$2,011,445.20). The engineer's estimate was \$1M. Other than eliminating items from the scope of work, there are no opportunities for potential cost reduction.

The documents were reviewed, and Vortex Services' bid was found to be both responsive and responsible. Our staff and consultant engineer recommend an award to Vortex Services, in the amount of \$1,439,440. The CIP budget for the Interceptor Sewer-MH Repair Project is currently \$1,492,000. Incorporating Vortex's bid along with design and construction administration costs, as well as previous sewer evaluation and rehabilitation efforts that have been completed utilizing this budget, would represent an increase to the CIP budget of \$693,000 for a total of \$2,185,000.

#### **Board Action Requested:**

Approve the following:

- 1. An amendment to the FY 26 30 CIP for the Interceptor Sewer-MH Repair Project (Phase 2) to increase the budget by \$693,000 to a total budget of \$2,185,000.
- 2. Authorize the Executive Director to award a construction contract to Vortex Services, LLC for a total amount of \$1,439,440 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



RWSA Interceptor Sewer-MH Repair (Phase 2) – CIP Amendment & Construction Award

## Presented to the Board of Directors by:

G. Austin Marrs, P.E., Senior Civil Engineer September 23, 2025



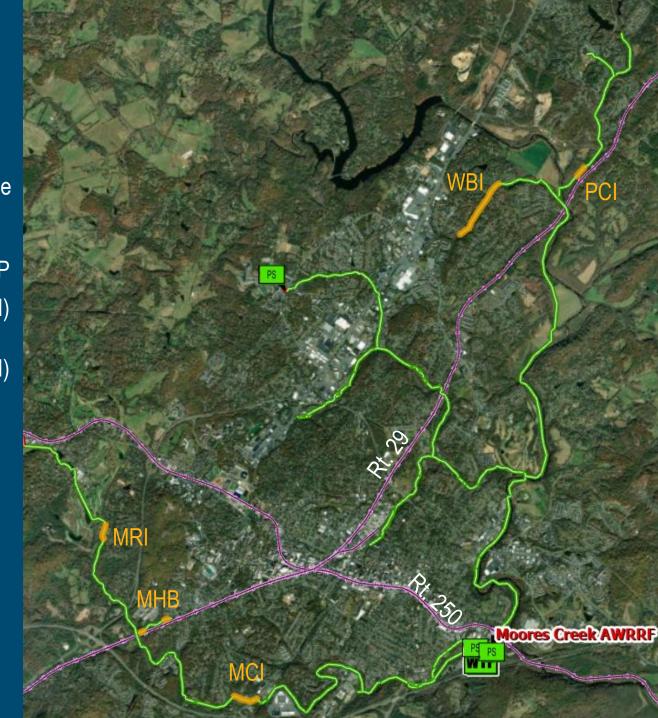
## **RWSA Interceptor Sewer-MH Repair (Phase 2)**

- Part of an on-going program to maintain our wastewater infrastructure
- Cured in Place Pipe Lining (CIPP Lining) of sewers with priority defects (inflow, infiltration, cracking, etc.).
- Manhole coatings and repairs to reduce inflow and infiltration (I/I).
- Scope identified through previous condition assessment efforts with consultant (CHA Consulting) and the RWSA Maintenance Department.
- Construction Award recommended to Vortex Services, LLC (Chesapeake, VA)
- Contract Amt: \$1,439,440



# CIPP LINING LOCATIONS

- Maury Hills Branch Sewer Line (MHB) – 363 LF of 8" CIPP
- Woodbrook Interceptor (WBI)
   3711 LF of 12" and 15" CIPP
- Morey Creek Interceptor (MRI)
   851 LF of 21" CIPP
- Powell Creek Interceptor (PCI)
   650 LF of 27" CIPP
- Moores Creek Interceptor (MCI) – 1404 LF of 30" CIPP
- TOTAL Approx. 7000 LF CIPP
- OTHER WORK:
  - 21 Manholes to be rehabilitated
  - 12,000 LF of Sewer Cleaning & Inspection



## **BUDGET AND SCHEDULE**

- Current CIP Budget \$1.492 M
- 2 Bids received from:
  - Vortex Companies (\$1,439,440)
  - Mobile Dredging & Video Pipe (\$2,011,445)
- Requested CIP Budget: \$2.185 M
- Construction Schedule: Dec 2025
  - June 2027



# **BUDGET DETAILS**

<ul> <li>Previous Rehabilitation &amp; Condition Assessment -</li> </ul>	\$350,373
• Engineering Design -	\$35,327
<ul> <li>Construction Contract (Vortex Services) -</li> </ul>	\$1,439,440
<ul> <li>Construction Contingency (10%) -</li> </ul>	\$143,944
<ul> <li>Construction Administration &amp; Inspection -</li> </ul>	<u>\$215,916</u>
<ul> <li>Total Budget Needed -</li> </ul>	\$2,185,000
Current CIP Budget -	<u>\$1,492,000</u>
Amendment Needed -	\$693,000

# **QUESTIONS?**

### **Board Action Requested:**

- 1. Amend the FY 26 30 CIP for the Interceptor Sewer-MH Repair Project (Phase 2) to increase the budget by \$693,000 to a total budget of \$2,185,000.
- 2. Authorize the Executive Director to award a construction contract to Vortex Services, LLC for a total amount of \$1,439,440 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract amount.



695 MOORES CREEK LANE CHARLOTTESVILLE, VA 22902-9016 Tel: 434.977.2970 FAX: 434.293.8858

WWW.RIVANNA.ORG

#### **MEMORANDUM**

TO: RIVANNA WATER & SEWER AUTHORITY

**BOARD OF DIRECTORS** 

FROM: LONNIE WOOD, DIRECTOR OF FINANCE AND INFORMATION

**TECHNOLOGY** 

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: DISPOSITION OF FY 2025 RATE CENTER RESULTS AND WORKING

CAPITAL TARGET

DATE: SEPTEMBER 23, 2025

The Authority ended the previous fiscal year with a small cash basis deficit of \$278,200. After consideration of certain non-cash items, the cash balances in the operations account are slightly less than the target amount set for FY 2025 by \$362,500. Essentially, from a cash balance standpoint, the Authority's cash target and year end results track as expected.

The policy target for FY 2025 was \$9.06 million working capital(cash) in the operating account. The year ended with a \$8.7 million cash balance. This memo will discuss some highlights of the Authority's year-end results and describe our process of funding the operating account for everyday working capital purposes.

There are several notable items that helped keep our year-end results with only a slight negative balance. Operating revenues exceeded budget estimates by \$1 million. Rate revenues were \$801,000 more than budget. All other revenue, including interest, lease and septage revenues were \$198,600 over budget estimates. These positive revenue earnings helped to cover expense exceedances, which were \$1.2 million over budget. The largest budget overages were for professional services (legal, financial, engineering) was over budget \$333,000. Chemical costs were \$297,000 over budget. Pipeline maintenance costs were \$350,000 over budget, grounds maintenance costs were over \$184,000 and instrumentation was over budget \$140,000.

<u>Policy Background</u>: After the completion of the audit, staff performs an analysis and reconciliation between rate centers of the year ending financial results and the effect on the operating cash liquidity position. This is also done to ensure that rate center results are kept separate from each other. In some years, one rate center may have a deficit, and others may have a surplus, therefore, we do not want one rate center's surplus funding another rate center's deficit.

There is only one operating cash account where all transactions originate during the year for all capital and operating activities, including inflow from revenues and bond proceeds, and outflow for operating expenses, capital projects and debt payments. Capital transactions are reconciled and separated at the end of each month, (i.e., no capital funds are in the operations account at the end of each month or at year end). However, all the rate centers' operating results are comingled until this process of determining the results for the year and making transfers to or from the respective rate center reserves to ensure proper segregation and keep the operating account whole at the target level.

The operations account has a <u>policy target</u> for working cash (a.k.a. working capital) balance of 60 days of cash on hand to meet daily and monthly cash flow needs, which for FY 2026 (new fiscal year) is \$10,530,300 (based on the FY 2026 budget of \$64.06 million). The policy target increased \$1.5 million from the prior year shown below:

#### Comparison of Policy Target

FY 2026	\$ 10,530,300
FY 2025	 9,063,000
Target Increase	\$ 1,467,300

This is due to the FY 2026 budget increase of nearly 16.2% (\$8,922,000 increase) compared to the FY 2025 budget.

We then compare the updated policy target for FY 2026 (new year) to actual <u>cash balance</u> for the fiscal year-end for FY 2025 (previous year). The variance, if any, is brought before the Board for action, which is consistent with the Authority's financial policy.

At year end, operating cash and cash equivalents were as follows:

Cash on hand	\$ 8,700,900
60 Day Cash Target	\$10,530,300
Deficit Operational Cash	\$(1,829,500)

The policy target amount of operating cash is underfunded by \$1,829,500 due the additional 60-day target balance. Therefore, the following transfers to/(from) the discretionary reserves are recommended for FY 2026 to bring the operations account back to the target balance and properly keep the six rate center reserves separated. FY 2024 to FY 2021 transfers related to similar year-end actions are included for comparison:

Transfers to (from) reserves based on ending results for each rate center:

	FY2025	<u>FY2024</u>	FY2023	FY2022	FY2021
Urban Water	\$ <b>(1,523,400)</b> \$	(830,900)	\$ (1,116,400)	\$ (302,200)	\$ (473,900)
<b>Crozet Water</b>	(126,400)	(97,250)	(210,200)	(115,900)	(107,700)
Scottsville Water	(16,600)	(88,350)	(78,200)	(64,600)	18,800
<b>Urban Wastewater</b>	(57,900)	(120,500)	(981,300)	(31,500)	869,900
<b>Glenmore Wastewater</b>	(56,700)	(27,550)	(22,000)	(53,800)	(3,800)
Scottsville Wastewater	 (48,500)	(8,450)	(22,100)	(14,400)	(2,900)
	\$ <b>(1,829,500)</b> \$	(1,173,000)	\$ (2,430,200)	\$ (582,400)	\$ 300,400

To summarize the year-end process, one of the Authority's financial policies is to keep the operations account financially sound with 60 days of working cash for normal operating cash flow needs. That goal will continue to be met, and the reserves will continue to provide for the yearly variances in budget versus actual results. As any given year progresses, the operations account temporarily funds rate center deficits and accumulates surpluses, and a reconciliation of the results to allocate the respective surpluses and deficits is performed annually after the year-end audit is complete. The Board has taken similar action for the previous 18 years. Attached is a summary of the ending reserves for Fiscal Year 2025.

#### **Board Action Requested:**

Authorizing the transfer of funds to/(from) the respective reserves for FY 2025 ending results to or from the operations account as follows:

Urban Water	\$ (	(1,523,400)	Urban Wastewater	\$ (57,900)
Crozet Water	\$	(126,400)	Glenmore Wastewater	\$ (56,700)
Scottsville Water	\$	(16,600)	Scottsville Wastewater	\$ (48,500)

Attachment

Rivanna Water and Sewer Author Statement of Reserve Balances June 2025 Reserves	ity		FROM (TO) OPERATIONS ACCOUNT FY 2025		
		June	Results and Target		Adjusted
		FY 2025	Adjustment		FY 2025
	<u>En</u>	<u>ding Balance</u>	Board action needed		Ending Balance
Urban Water			**		
Discretionary Reserve	\$	17,310,818	\$ (1,523,400)	\$	15,787,418
Rate Stabilization Fund		1,000,000	· ·		1,000,000
Watershed Management Fund		297,528			297,528
Subtotal	\$	18,608,346		\$	17,084,946
	•				, ,
Urban Wastewater					
Discretionary Reserve	\$	12,151,100	(57,900)	\$	12,093,200
Rate Stabilization Fund	•	1,000,000	,		1,000,000
Subtotal	\$	13,151,100		\$	13,093,200
	•	-, - ,			-,,
Crozet Water					
Discretionary Reserve	\$	3,403,916	(126,400)	\$	3,277,516
Scottsville Water					
Discretionary Reserve	\$	182,809	(16,600)	\$	166,209
			(		
Glenmore Wastewater					
Discretionary Reserve	\$	51,244	(56,700)	\$	(5,456)
			(		,
Scottsville Wastewater					
Discretionary Reserve	\$	126,401	(48,500)	\$	77,901
			ì		
Capital Fund					
Specific Capital Projects	\$	521,056	_	\$	521,056
Vehicle Replacement Fund	\$	1,529,677		\$	1,529,677
·					
Subtotal Discretionary Reserves	\$	37,574,549	\$ (1,829,500)	\$	35,745,049
•					
Indenture Restricted Minimum	\$	500,000		\$	500,000
	<b>T</b>	,		7	223,220
Total Reserves	* \$	38,074,549		\$	36,245,049
		, ,			, ,

<sup>\* -</sup> Agrees to investment balances - audited.

<sup>\*\* -</sup> Proposed Board action





## FINANCIAL UPDATE

FY 2025 Year-End Results

FOR THE BOARD OF DIRECTORS 09/23/2025

By Stephanie Deal, CPA, Finance Manager



## TOPICS FOR TODAY

- Year End Results
- Operating Working Capital Target
- Disposition of Rate Center Results
- Board Action: Approve Fund Transfers

#### FY 2025 - Year End Results

	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	
<b>Total Revenue</b>	\$55,135,427	\$ 56,093,057	\$ 957,630	2%
<b>Total Expenses</b>	55,134,603	56,371,226	(1,236,623)	-2%
Surplus/(Deficit)	\$ 824	\$ (278,169)		

#### **FY 2025 - Working Capital Results**

<b>Deficit Operational Cash</b>	\$ (362,453)
Year End Cash Balance	8,700,900
Policy Target - 60 Days cash	\$ 9,063,353

## YEAR END RESULTS

#### **FY 2025 - Operating Budget vs Actual Results**

Revenue	<u>Budget</u>	<u>Actual</u>	<u>Variance</u>	
Operating Revenues	\$25,533,965	\$ 26,334,914	\$ 800,949	3%
Interest Income	165,400	255,690	90,290	55%
All other revenue line items	1,692,968	1,801,319	108,351	6%
Total Revenue	\$27,392,333	\$ 28,391,923	\$ 999,590	4%

<b>Budget</b>	<u>Actual</u>	<u>Variance</u>	
\$ 309,900	\$ 496,200	\$ (186,300)	-60%
182,750	329,900	(147,150)	-81%
148,280	491,400	(343,120)	-231%
3,654,100	3,951,000	(296,900)	-8%
502,500	643,000	(140,500)	-28%
397,100	580,700	(183,600)	-46%
22,197,700	22,114,658	83,042	0%
\$27,392,330	\$ 28,606,858	\$ (1,214,528)	-4%
	\$ 309,900 182,750 148,280 3,654,100 502,500 397,100 22,197,700	\$ 309,900 \$ 496,200 182,750 329,900 148,280 491,400 3,654,100 3,951,000 502,500 643,000 397,100 580,700 22,197,700 22,114,658	\$ 309,900 \$ 496,200 \$ (186,300) 182,750 329,900 (147,150) 148,280 491,400 (343,120) 3,654,100 3,951,000 (296,900) 502,500 643,000 (140,500) 397,100 580,700 (183,600) 22,197,700 22,114,658 83,042

## NOTABLE BUDGET ITEMS

#### **Target Calculation - 60 days cash policy**

Some rounding variances will happen	<b>New Cash Target</b>			
		FY 2026		FY 2025
Adopted Budget	\$	64,060,000	\$	55,135,000
Daily working cash needs		175,507		151,055
60 Days of Cash	\$	10,530,265	\$	9,063,353
Target Change	\$	1,466,912		

#### **Operational Cash Adjustment Needed**

<b>Total Deficit Operational Cash</b>	\$ 1,829,500
FY 26 - Target Change	 1,467,000
FY 25 - Deficit	\$ 362,500

## OPERATING WORKING CAPITAL TARGET

#### Rivanna Water and Sewer Authority Statement of Reserve Balances June 2025 Reserves

Julie 2025 Reserves	June	Adjustment to Approve	
	FY 2025	FY 2025	FY 2025
	<b>Ending Balance</b>	Board Action Required	Ending Balance
Urban Water		**	
Discretionary Reserve	\$ 17,310,818	\$ (1,523,400)	\$ 15,787,418
Rate Stabilization Fund	1,000,000		1,000,000
Watershed Management Fund	297,528		297,528
Subtotal	18,608,346		17,084,946
Urban Wastewater			
Discretionary Reserve	12,151,100	(57,900)	12,093,200
Rate Stabilization Fund	1,000,000		1,000,000
Subtotal	13,151,100		13,093,200
Crozet Water			
Discretionary Reserve	3,403,916	(126,400)	3,277,516
Scottsville Water			
Discretionary Reserve	182,809	(16,600)	166,209
Glenmore Wastewater			
Discretionary Reserve	51,244	(56,700)	(5,456)
Scottsville Wastewater			
Discretionary Reserve	126,401	(48,500)	77,901
Capital Fund			
Specific Capital Projects	521,056	-	521,056
Vehicle Replacement Fund	1,529,677		1,529,677
Subtotal Discretionary Reserves	\$ 37,574,549	\$ (1,829,500)	\$ 35,745,049
Indenture Restricted Minimum	500,000		500,000
Total Reserves	* \$ 38,074,549		\$ 36,245,049

FROM (TO)

OPERATIONS ACCOUNT

## STATEMENT OF RESERVE BALANCES

<sup>\*</sup> Agrees to Audited investment balances

<sup>\*\*</sup> Proposed Board action

### DISPOSITION OF RATE CENTER RESULTS

	FY2025	FY2024	<u>FY2023</u>	FY2022	FY2021
Urban Water	\$ (1,523,400)	\$ (830,900)	\$(1,116,400)	\$ (302,200)	\$ (473,900)
Crozet Water	(126,400)	(97,250)	(210,200)	(115,900)	(107,700)
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Scottsville Wastewater	 (48,500)	(8,450)	(22,100)	(14,400)	(2,900)
	\$ (1,829,500)	\$ (1,173,000)	\$(2,430,200)	\$ (582,400)	\$ 300,400

## BOARD ACTION REQUESTED: APPROVE FUND TRANSFER

To authorize the transfer of funds to/(from) the respective reserves for FY 2025 ending results to the operations account as follows:

Urban Water	\$ (1,523,400)
Crozet Water	(126,400)
Scottsville Water	(16,600)
Urban Wastewater	(57,900)
Glenmore Wastewater	(56,700)
Scottsville Wastewater	(48,500)
Total	(1,829,500)





## Education Center Progress Report

PRESENTED TO THE BOARDS OF DIRECTORS

BY: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

SEPTEMBER 23, 2025

#### **Project Phases** PRD Exhibit Design Process: How we get from Plan to Open Media Design Content Development Exhibit Design Graphic Design Technical Design Space Planning PLAN Design Development Final Design Implementation OPEN! 5/2027 12/2023 2/2024 8/2025 1/2026 Meetings Milestones 0 Architectural Coordination

## Design Process

#### MISSION

Educate the public about responsible and sustainable water treatment and solid waste management in the local community.

#### **OBJECTIVE**

Create a substantial new permanent exhibit about the history, purpose, and process of water management/treatment and solid waste management by Rivanna Authorities in the new headquarters building.

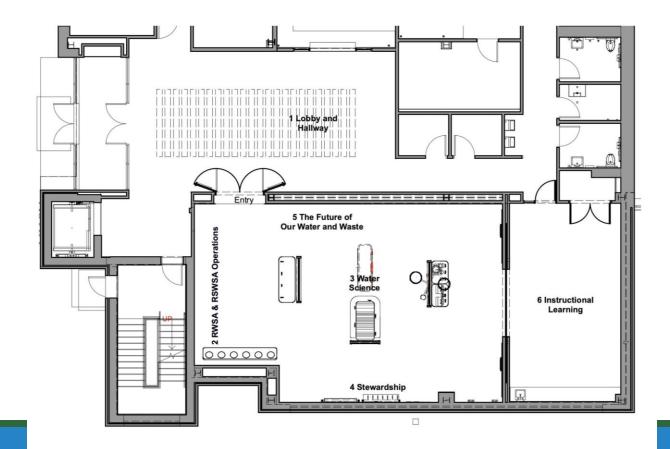
#### **BIG IDEA**

Rivanna Authorities plays a critical role in the health and safety of the regional Charlottesville community.

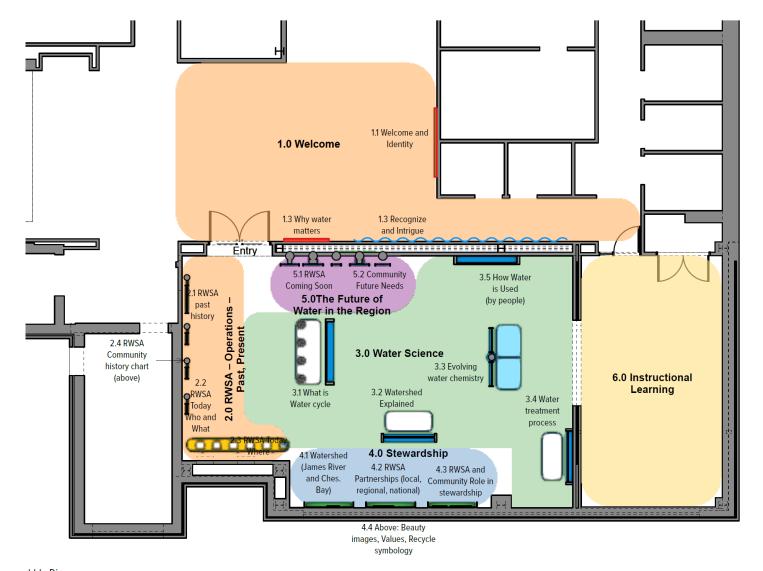
**NORTH ELEVATION** 



## Building Layout



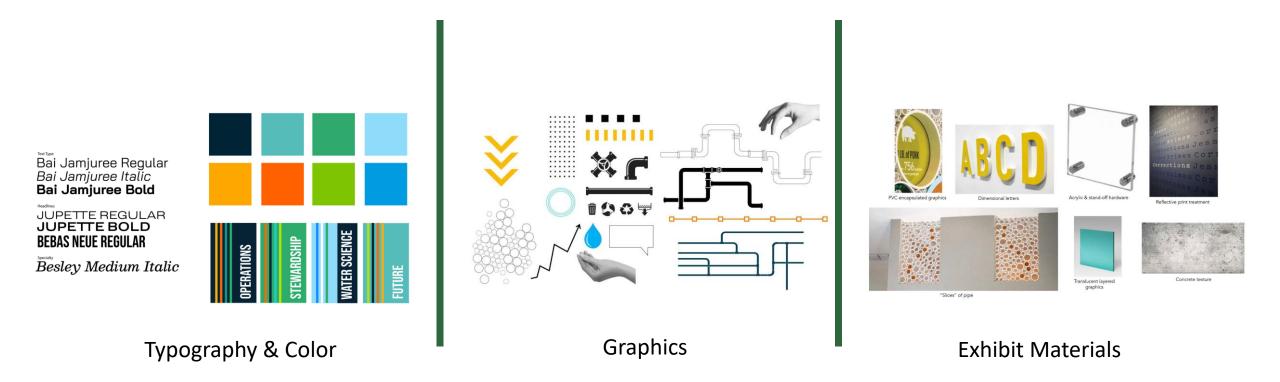
EAST ELEVATION - MAIN ENTRY



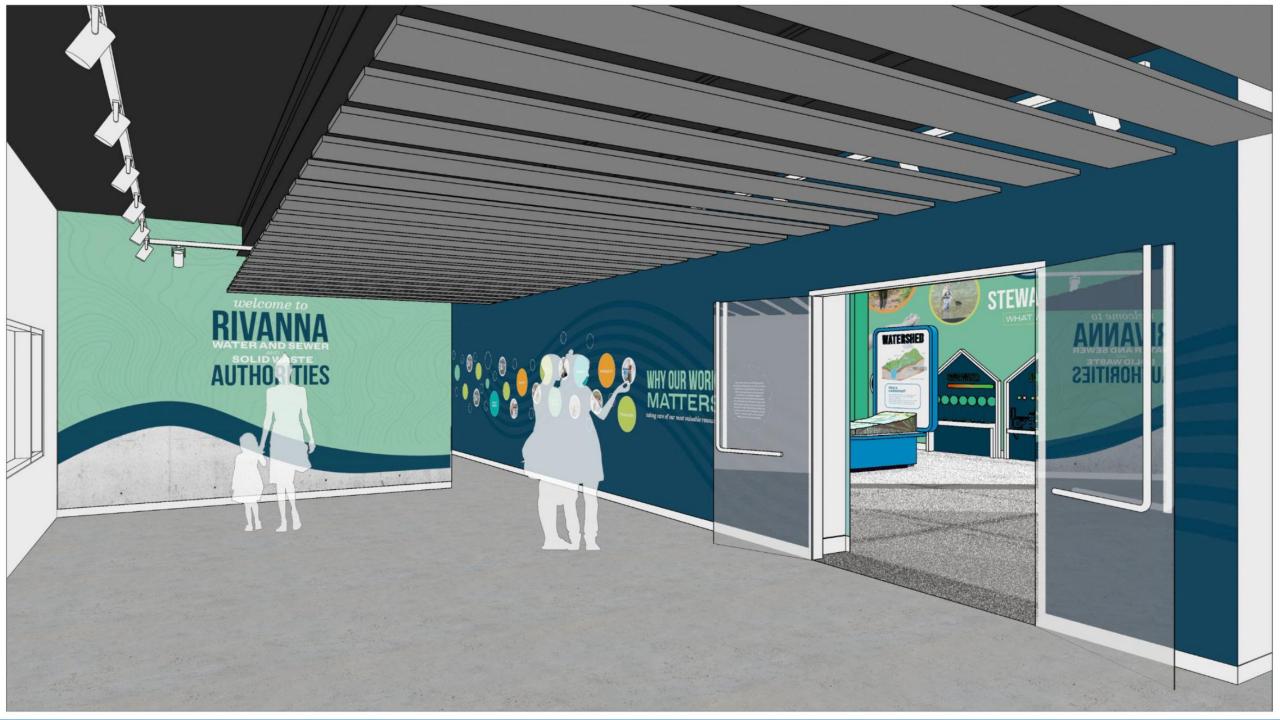
## Spacing Plan

- 1.0 Welcome
- 2.0 Past & Present
- 3.0 Water Science
- 4.0 Stewardship
- 5.0 Future
- 6.0 Instruction Space

ubble Diagram ale: 1/8" = 1'-0"

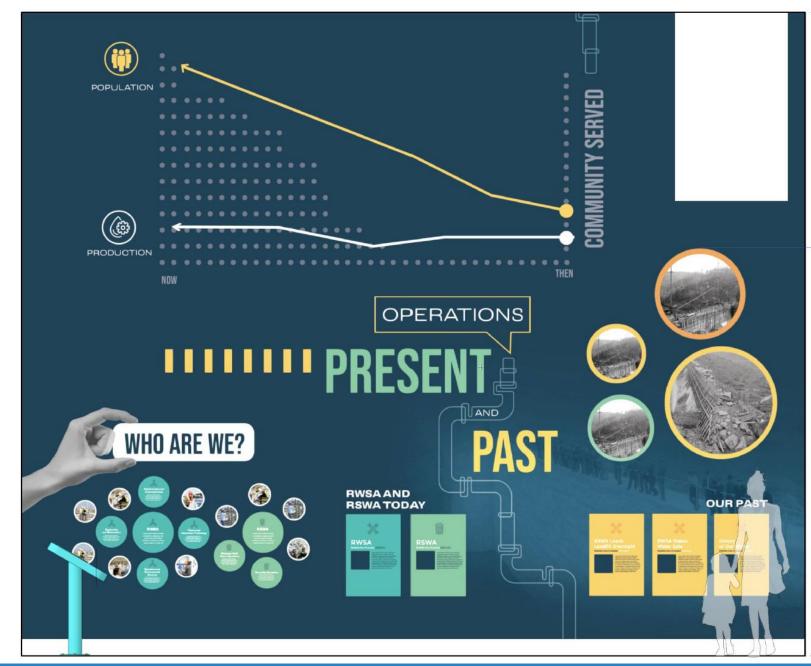


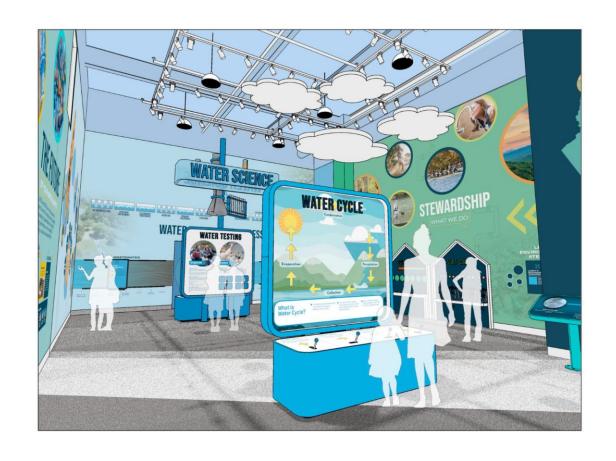
## Design Development















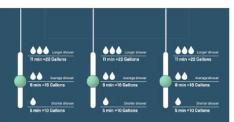


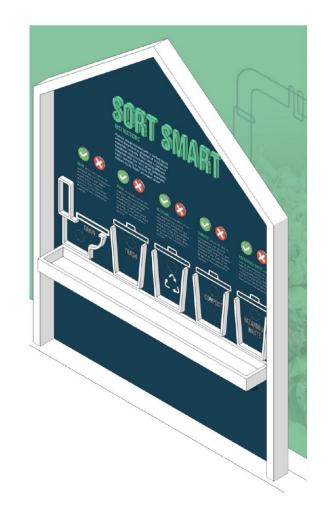




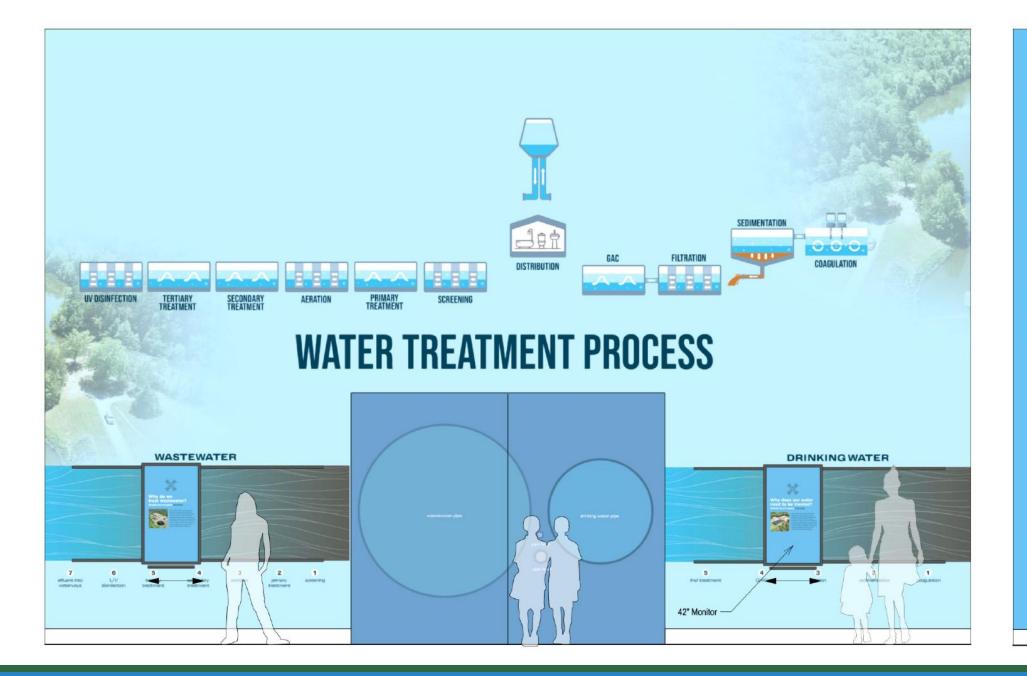




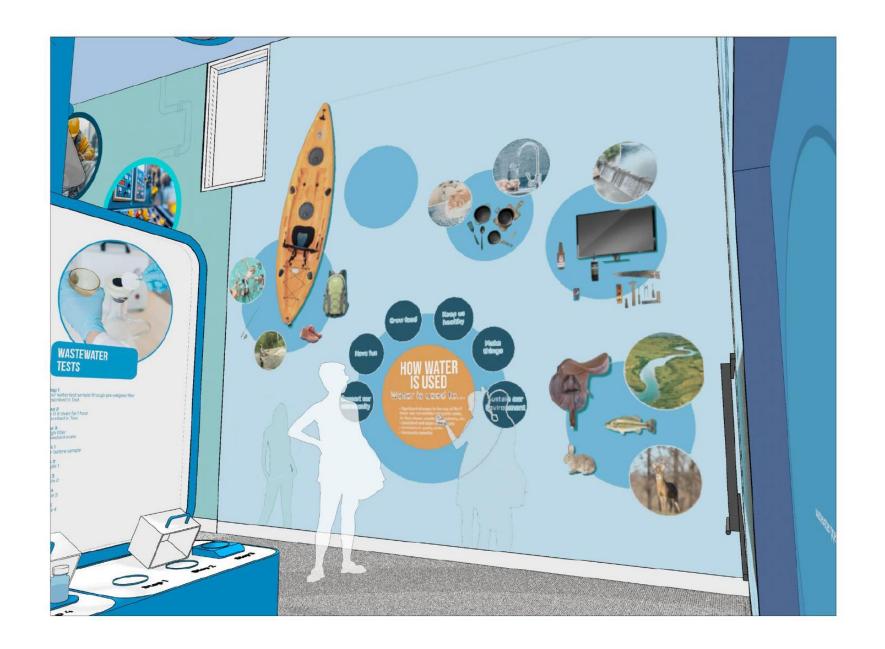


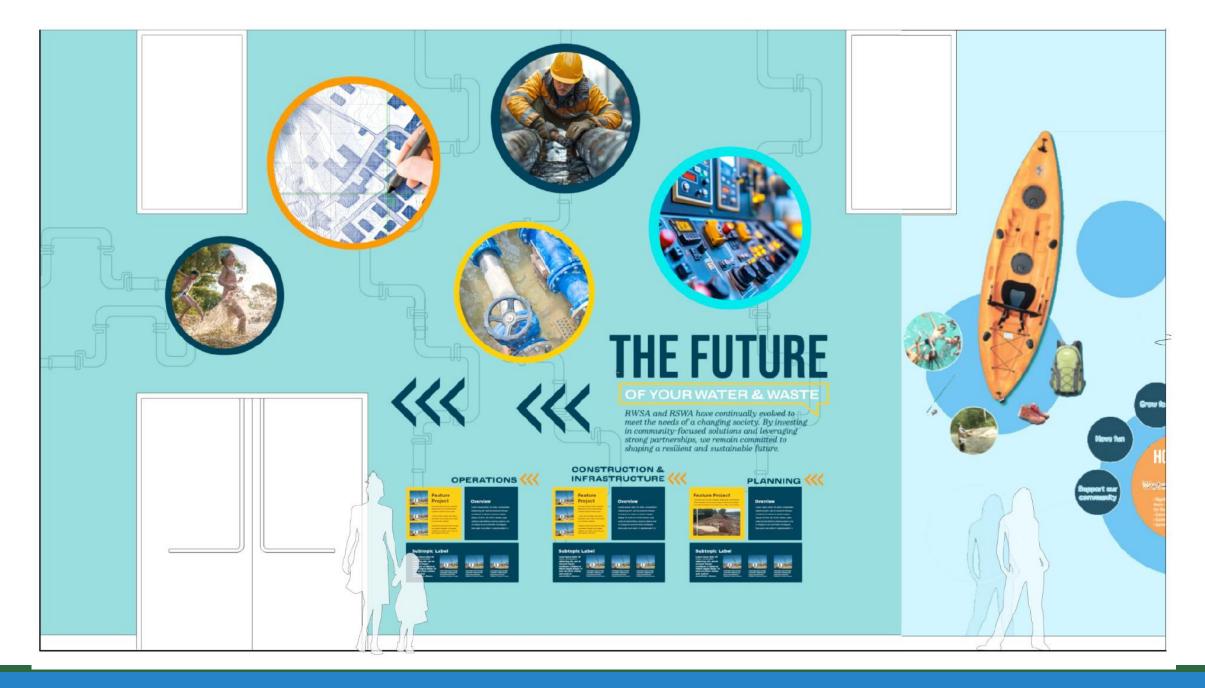












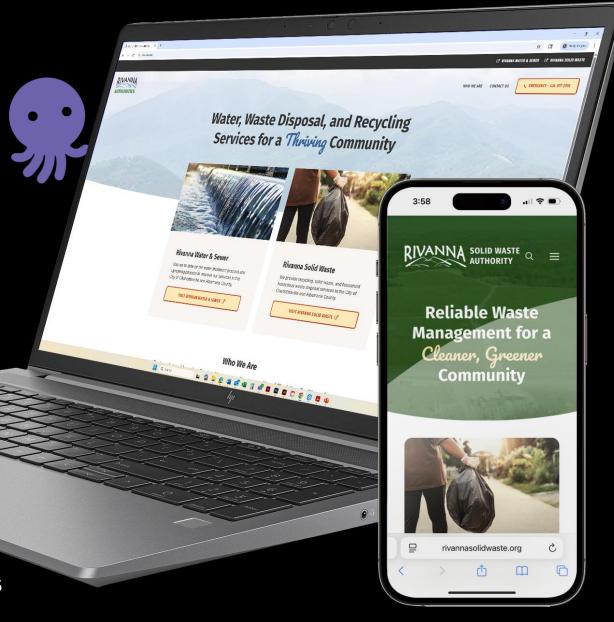
## Questions?

## NEW LOOK NEW FEEL

Rivanna Authorities' fresh take in the digital world

Presented to the RSWA and RWSA Boards of Directors on September 23, 2025

By: Westley Kern, Communications & Outreach Coordinator





## WHERE WE WERE

Guiding principles to provide a shared vision of Rivanna's ultimate priorities

Communication & Collaboration



BOARD MEETINGS FACILITIES

PRESS RELEASES JOB OPENINGS

PROCUREMENIS PROJECTS & REPORTS FINANCIALS

ENMRONMENTAL MANAGEMENT SYSTEM

WATERSHED PROTECTION CONSERVATION

WEB LINKS CONTACT US Welcome to the Web site for the Rivanna Water and Sewer Authority. The purpose of this site is to provide the public with information concerning current board meetings, previous minutes of the board, current position openings, financial information and more. This site will be maintained continuously, so please come back and visit us for any changes in the future. Click on the links to the left to learn more about our services and monthly board meetings.

> ANNOUNCEMENT! Location Change for

nd the Rivanna Water & Sewer upon completion of the major Authority are pleased to announ reck Wastewater Treatment construction activity at the Mo for both Authorities will Plant, the Board of Directors ion Offices 2nd floor resume being held in the Creek Lane, Charlottesville, Virginia, contention from, 693 Moore Creek Lane, Charlottesville, Viginia, beginning with the June 26, f012 meeting, the Rivanna Solid Waste Authority Board meetings and loontinue to a be del at 2:00 p.m. with the next meeting scheduled for August 28, 2013. The Rivanna Water & Sewer Authority Board meetings are held the fourth Tuesday of every month and wij. follow the Rivanna Solid Waste Board meetings that will start no earlier than 2:15 a.m. meetings, but will start no earlier than 2:15 p.m.

Drinking Water Distriction Upgrades Click here to view Forcessity Asked Questions

**RWSA Board Selects Concept** E for Ne

the RWSA Board station to the

Virginia State Water Control

About the RSWA

Waste Disposal

Job Openings

Procurements

Closed Landfill Care

and Remediation

AAA

NEW Plastic Recycling

Program (pdf)

Monticello Avenue

Site Updated 1/22/15

Recycling

F.A.Q.'s

Meetings

**Financials** 

Web Links

Contact Us

State Water Con spect to RWSA

Authority Receives Upgraded Rating from Standard & Poors

Phone: 434-977-2976 Locations: click for directions to facilities

#### Rivanna Solid Waste Authority

#### Home Page

Welcome to the Rivanna Solid Waste Authority (RSWA) Web Site are committed to reducing, reusing, recycling and managing solid waste in Virginia's Charlottesville / Albemarle area. We have prepared this site in order to provide you with general information and to help you with your solid waste disposal and recycling nee

> RSWA Notice of Special Meeting of the Board of Directors Tuesday, January 27, 2015 2:00pm

A special meeting of the Rivanna Solid Waste Authority Board of Directors will be held on Tuesday, January 27. 2015 at 2:00 p.m. in the Authority's Administration Offices, second floor conference room, 695 Moores Creek Lane. Charlottesville, VA. The purpose for the meeting is to discuss requests from the County of Albemarle regarding the Ivv Materials Utilization Center-

► Click here for more information

Dates Set for the Spring Household Hazardous Waste and Amnesty Days

► Click here for more information

Public Notice for Albemarle County

The Albemarle County Long Range Solid Waste Solution Advisory Committee, a committee created by the Albema County Board of Supervisors, meets every other Tuesday Who we are \* What we do \* Environmental Stewardship \* In the News \* Contact Us 

Environmental Stewardship As a water utility and handler of solid waste and recycling, environmental stewardship is a central part of our work at Rivanna. We recognize that we must serve human needs while protecting the natural environment: Water-wise, we collect. water at Nature's source from our...

Search this site...

>

"Rivanna Water and Sewer Authority provides high-quality drinking water to our community, while protecting the natural environment"

We keep the water running

RIVANNA

Rivanna is a wholesale water

What we do

To keep the high-quality water

RIVANNA

Late 2015

**Early 2015** 

http://www.rivanna.org/home.htm

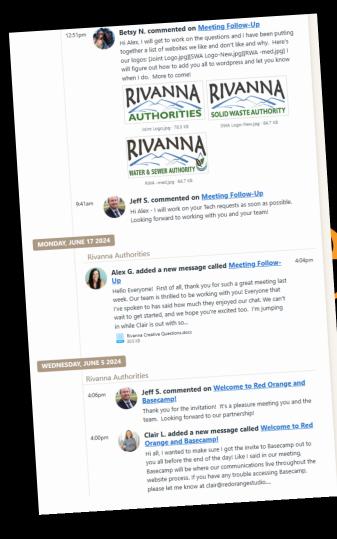
2012

WHERE WE WERE

2024

## redorange studio

#### Located in Richmond, Va





#### Clair L. commented on Sitemaps and Content Blocking 11:10am

Good morning everybody, It was great getting to see you all yesterday! Sorry to have missed you Jeff, but I have attached the recording of the meeting below. Also attached below are the content block proofs for each site as well as a pdf with the sitemaps. Alex has them color coordinated as su...



RA-Rivanna-Proposed-Websites-Sitemap-PROOF1.pdf · 101 KB



Rivanna-Authorities-Content Blocks-PROOF1.pdf · 3.47 MB



Rivanna-SW-Content Blocks-PROOF1.pdf · 254 KB





#### Alex G. commented on Design Review

Hello Friends! I hope you're all having a great day AND that you've been able to fit lunch in, since that's very important; I I've made a few of the edits we discussed on our call yesterday and I've included PDFs of those for your review. I walked through some of the edits I made, along with ...





Rivanna-Designs-WATER-PROOF1.pdf · Rivanna-Designs-SW-PROOF1.pdf · 8.72



Rivanna-Designs-MAIN-SITE-PROOF1.pdf - 6.75 MB

#### FRIDAY, OCTOBER 18 2024

#### Rivanna Authorities



#### Clair L. commented on Design Review

Thank you both! I will send out a calendar invite before the end of the day.

0:57am



#### Jeff S. commented on Design Review

It does for me! Thank you, Jeff JEFF SOUTHWORTH Information Technology Manager (434) 977-2970, ext. 188 | (540) 797-6913 (M)

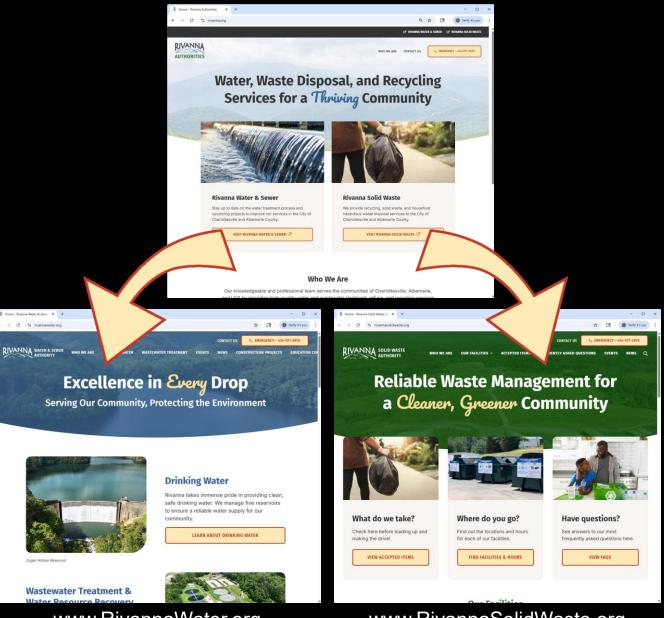


## WHERE WE ARE

Distinguished differences between Authorities

Unique domain addresses

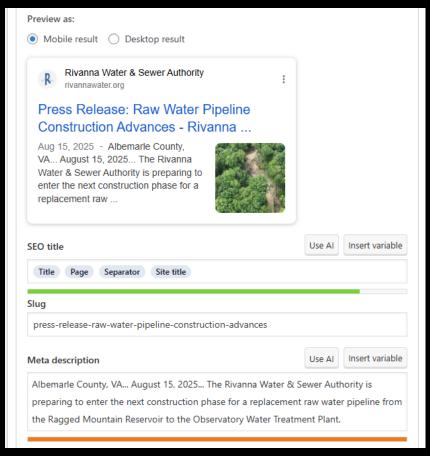
#### www.Rivanna.org



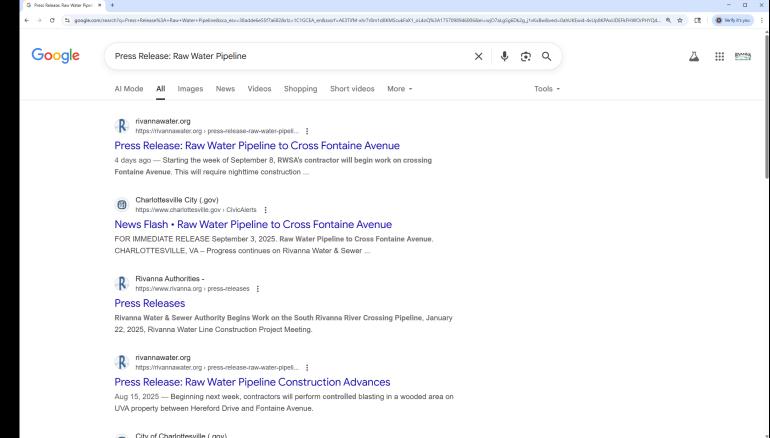
www.RivannaWater.org

www.RivannaSolidWaste.org

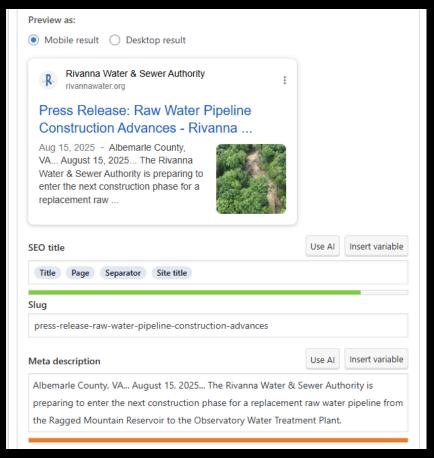
#### Search Engine Optimization



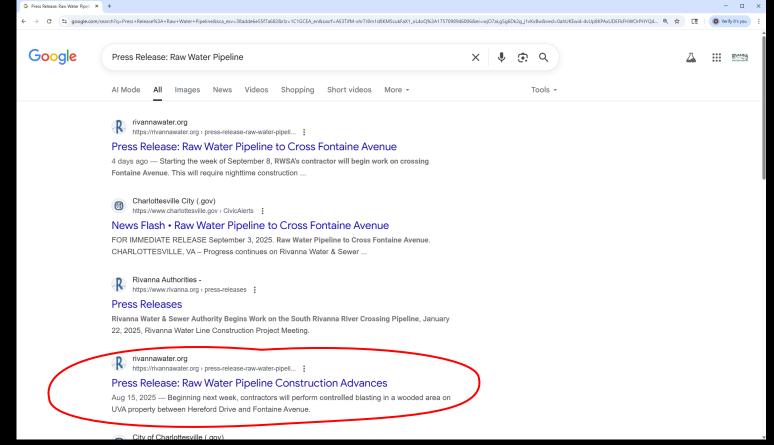
#### Google Search



#### Search Engine Optimization



#### Google Search



#### Water & Sewer

#### SITE WIDE METRICS

Total users

1,411

New users

1.3K

Sessions

2,088

Views

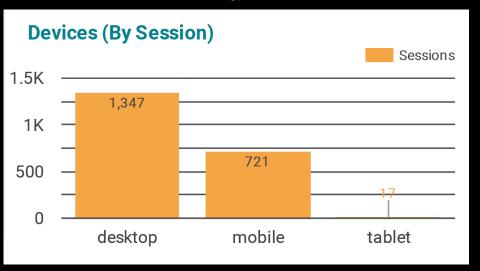
3,927

Engagement rate

47.6%

#### WHERE WE ARE

#### Water & Sewer



# SITE WIDE METRICS Total users 1,411

SITE WIDE METRICS

Total users

Solid Waste

4,192

New users 1.3K

Sessions 2,088

Views

3,927

Engagement rate 47.6%

New users 4.0K

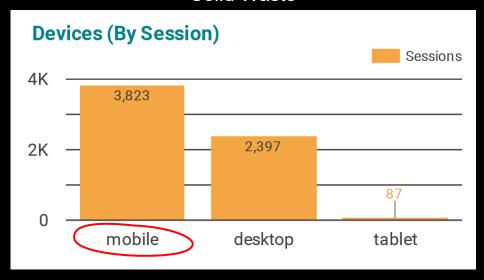
Sessions **6,251** 

Views **12,123** 

Engagement rate 55.6%

# Devices (By Session) 1.5K 1K Toleration | Toleration |

#### Solid Waste



#### WHERE WE ARE

#### Water & Sewer Solid Waste

Most Popular Pages			
Page title	Views	Total users	Engagement rate
Home - Rivanna Water & Sewer Authority	727	409	78.02%

1.	Home - Rivanna Water & Sewer Authority	727	409	78.02%
2.	Construction Projects - Rivanna Water & Sewer Authority	478	283	76.44%
3.	Ragged Mountain Reservoir Pool Fill Project - Rivanna Wa	441	316	34.11%
4.	Who We Are - Rivanna Water & Sewer Authority	245	140	80.77%
5.	Drinking Water - Rivanna Water & Sewer Authority	244	122	50.45%
6.	Events from June 24 – September 16 – Rivanna Water &	152	102	90.98%
7.	Public Information Session on the Ragged Mountain Rese	145	119	59.46%
8.	Wastewater Treatment - Rivanna Water & Sewer Authority	143	116	58.82%

95

83

48

41

90.24%

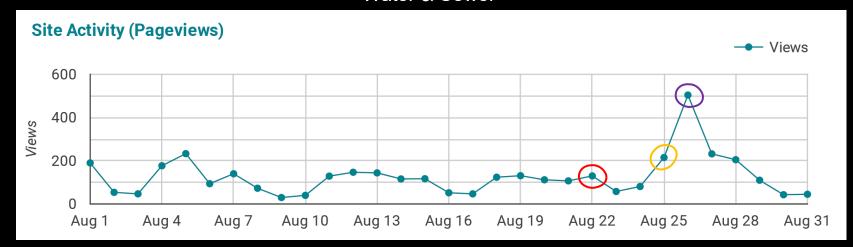
100%

Mos	Most Popular Pages							
	Page title	Views	Total users	Engagement rate				
1.	Accepted Items - Rivanna Solid Waste Authority	2,447	1,623	77.62%				
2.	Ivy Solid Waste & Recycling Center (SWRC) - Rivanna Soli	2,434	1,654	67.63%				
3	McIntire Recycling Center - Rivanna Solid Waste Authority	1,667	1,204	60.76%				
4.	Home - Rivanna Solid Waste Authority	1,206	875	80.82%				
5.	Special Collections Event: Household Hazardous Waste	745	507	63.24%				
6.	Electronic Waste Collection Day (eWaste) - Rivanna Solid	708	457	77.6%				
7.	Events from April 19 – September 18 – Rivanna Solid Wa	509	314	81.34%				
8.	Frequently Asked Questions - Rivanna Solid Waste Author	423	364	88.7%				
9.	Special Collections Event: Furniture - Rivanna Solid Waste	374	298	76.55%				
10.	Special Collection Event: Appliances - Rivanna Solid Wast	259	188	76.05%				

Construction Archives - Rivanna Water & Sewer Authority

10. News Archives - Rivanna Water & Sewer Authority

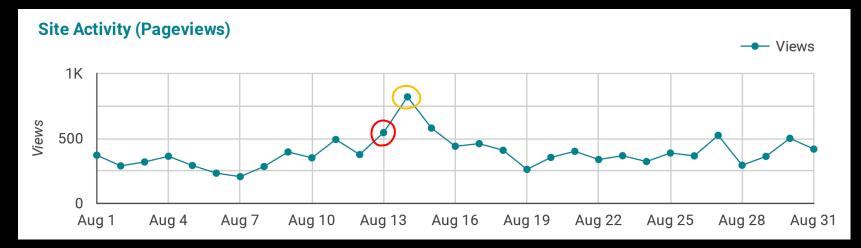
#### Water & Sewer



### Ragged Mountain Pool Fill Project

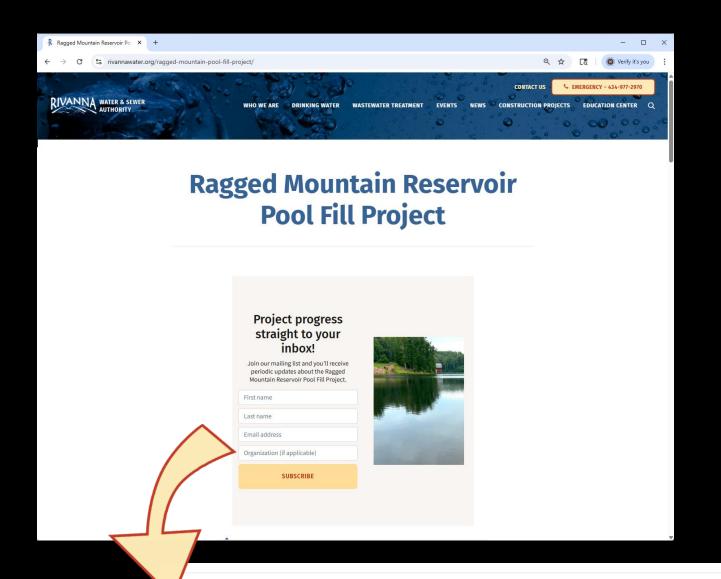
- 8/22 (Friday) Press Release
- 8/25 (Monday) News Outlets
- 8/26 Peak Views

#### Solid Waste



### E-Waste Registration Opens

- 8/13 (Wednesday) e-Newsletter
- 8/14 (Thursday) Press Release



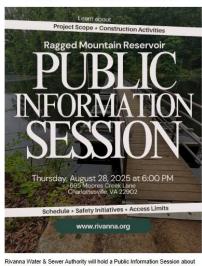
# WHERE WE'RE GOING

Create convenient and measurable channels of communication



#### Join Us Tomorrow!

Learn more about the Ragged Mountain Reservoir Pool Fill Project!



Rivanna Water & Sewer Authority will hold a Public Information Session about the Ragged Mountain Reservoir Pool Fill Project tomorrow, August 28, 2025, at 6 PM. The session will take place at 695 Moores Creek Lane, Charlottesville, VA 29902

The public event will provide details surrounding the Ragged Mountain Reservoir Pool Fill Project. Attendees will learn about the project's scope, construction activities, schedule, safety initiatives, and limits on access to the reservoir.

Light refreshments will be provided, and parking is free!



#### Can't make it in person?

Don't worry, we'll broadcast the session live! A recorded version will be available early next week.

Watch Live



#### Learn more about this project and others!

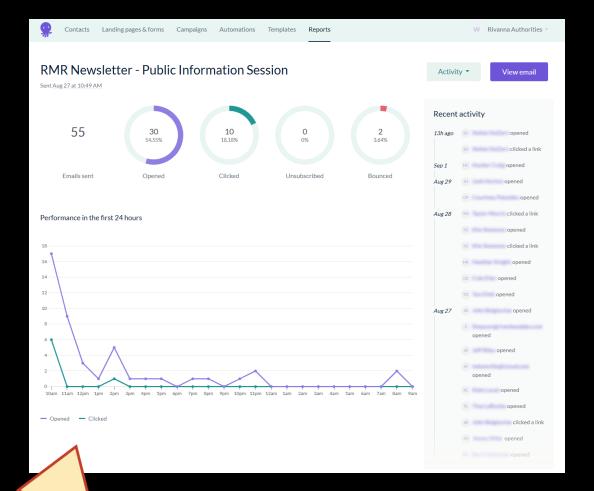
Over the next five years, RWSA will invest more than \$300 million to enhance our water network. Discover how these projects will help support our community.

Water Projects



You received this email because you subscribed to our list. You can <u>unsubscribe</u> at any time.

695 Moores Creek Ln Charlottesville, VA 22902 USA



#### WHERE WE'RE GOING





#### Public Information Session Scheduled for the Ragged Mountain Reservoir Pool Fill Project

Charlottesville, VA... August 22, 2025... Rivanna Water & Sewer Authority will hold a Public Information Session about the Ragged Mountain Reservoir Pool Fill Project on August 28, 2025, at 6 PM. The session will take place at 695 Moores Creek Lane, Charlottesville, VA 22902.

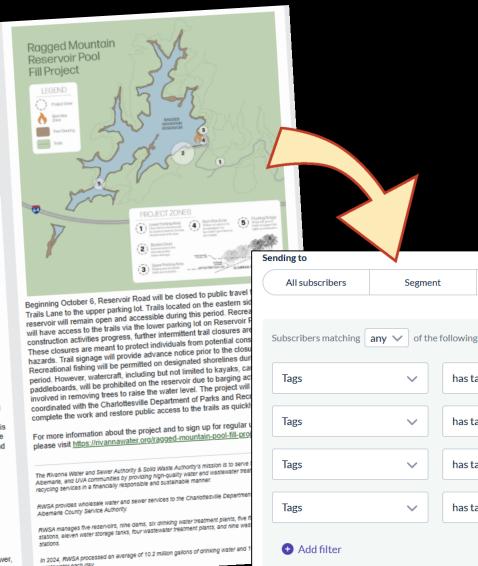
The information session will provide details surrounding the Ragged Mountain Reservoir Pool Fill Project. Attendees will learn about the project's scope, construction activities, schedule, safety initiatives, and limits on access to the reservoir.

Community members are invited to attend the meeting in person or remotely through Zoom. The link for the Zoom presentation is https://zoom.us/j/91052016785

In December 2023, the Charlottesville City Council, the Albemarle County Service Authority Board of Directors, and the RWSA Board of Directors approved an amendment to the "Ragged Mountain Dam Project Agreement" of 2012 that allows RWSA to fully utilize the water storage capacity of the Ragged Mountain Reservoir. The 12-foot rise in normal pool level will increase the Ragged Mountain Reservoir's water reserves from 1.4 to 2.1 billion gallons. This project is a part of the 2012 Community Water Supply Plan and will improve the long-term reliability of our drinking water system during periods of uncertain and changing climate conditions and extended droughts. More information on the Community Water Supply Plan can be found on RWSA's website at https://rivannawater.org/community-water-supply-plan/

In June 2025, RWSA awarded the construction project to Faulconer Construction Company of Charlottesville, Virginia, with a contract value of \$11,018,050.

RWSA expects to begin construction on this project in September, with an anticipated completion in December of 2026. The work will require tree and vegetation clearing around the reservoir, modifications to the water intake tower, and drainage improvements to the dam.



wastewater each day.

Matches 236 subscribed contacts

Advanced

Media Contact

Internal Employee

\*\*\*Board - Rivanna Wa...

Ragged Mountain Rese...

Tag

Segment

Add filter group

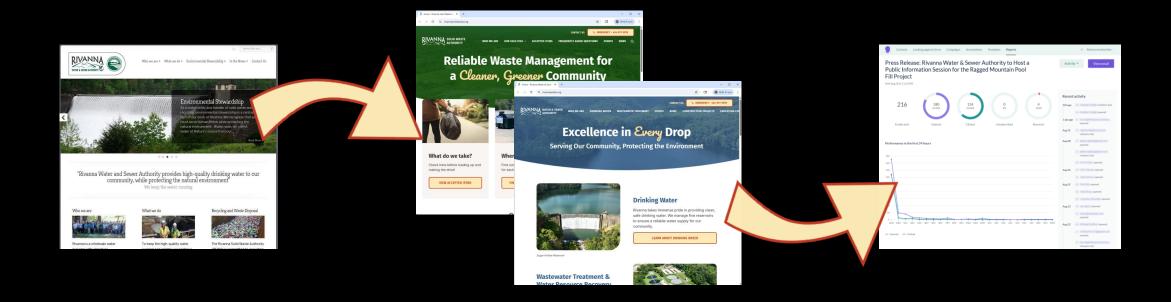
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## IN SUMMARY



WHERE WE WERE

WHERE WE ARE

WHERE WE'RE GOING

