



# Board of Directors Meeting

December 16, 2025

2:15pm



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

434.977.2970

434.293.8858

[www.rivanna.org](http://www.rivanna.org)



## BOARD OF DIRECTORS

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

**DATE:** DECEMBER 16, 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 NOVEMBER 18, 2025*

### 4. *RECOGNITION*

- a. Resolution of Appreciation for Mr. Jay Young, Assistant Information Systems Administrator*
- b. Resolution of Appreciation for Ms. Betsy Nemeth, Director of Administration and Communications*
- c. Resolution of Appreciation for Mr. Brian Pinkston, RWSA Board Member*

### 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 Administration and Communications*
- b. Staff Report on CIP Projects*
- c. Staff Report on Finance*
- d. Staff Report on Information Technology*
- e. Staff Report on Operations*
- f. Staff Report on Drought Monitoring*

- g. Staff Report on Wholesale Metering*
- h. Approval of Term Contract for Biosolids Processing; McGill Environmental*

## **9. OTHER BUSINESS**

- a. Presentation and Consider Vote to Accept: FY 25 Audit Report  
Matthew McLearen, CPA, CFE, Managing Director, Robinson, Farmer, Cox Associates*
- b. Presentation and Consider Vote to Approve: Purchase of Portable Emergency Power  
Generator, Moores Creek  
Steve Minnis, Maintenance Department Manager*
- c. Presentation and Consider Vote to Approve: Glenmore Water Resource Recovery Facility  
Improvements  
Dyon Vega, P.E., Civil Engineer*
- d. Presentation and Consider Vote to Approve: South Rivanna to Ragged Mountain Reservoir  
Pipeline, Intake, & Pump Station Construction Award  
Austin Marrs, P.E., Senior Engineer*
- e. Presentation and Consider Vote to Approve: Amendment of the FY 26-30 Capital  
Improvement Plan –Northern Service Area Utility Projects  
Jennifer Whitaker, P.E., Director of Engineering and Maintenance*

## **10. OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA**

## **11. CLOSED MEETING**

## **12. ADJOURNMENT**

## UIDELINES 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

**RWSA BOARD OF DIRECTORS**  
**Minutes of Regular Meeting**  
**November 18, 2025**

A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was held on November 18, 2025 at 2:56 p.m. at the Albemarle County Service Authority, 168 Spotnap Road, Charlottesville, VA 22911.

**Board Members Present:** Mike Gaffney, Jeff Richardson, Sam Sanders, Ann Mallek, Brian Pinkston, Quin Lunsford, Lauren Hildebrand.

**Board Members Absent:** None

**Rivanna Staff Present:** Bill Mawyer, Dave Tungate, Lonnie Wood, Jennifer Whitaker, Betsy Nemeth, Leah Beard, Daniel Campbell, Scott Schiller, Westley Kern, Jacob Woodson, Jon Williams, Deborah Anama.

**Attorney(s) Present** Valerie Long

***1. CALL TO ORDER***

Mr. Gaffney convened the November 18, 2025, regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority at 2:56 p.m.

***2. AGENDA APPROVAL***

**Mr. Sanders moved that the Board of Directors approve the Agenda. Mr. Pinkston seconded the motion, which carried unanimously (7-0).**

***3. MINUTES OF PREVIOUS BOARD MEETING ON OCTOBER 28, 2025***

**Ms. Mallek moved that the Board of Directors approve the minutes from October 28, 2025. Mr. Pinkston seconded the motion, which carried unanimously (7-0).**

***4. RECOGNITIONS***

There were none.

***5. EXECUTIVE DIRECTOR'S REPORT***

Mr. Mawyer recognized Leah Beard, recently selected as their new Director of Administration and Communications through a competitive recruitment and selection process. He stated Ms. Beard had been with them for two years and had done a commendable job as the Human Resources Manager. He added that Betsy Nemeth was retiring, which precipitated the process of filling this position.

Mr. Mawyer announced that Daniel Hunter had obtained his Class 1 wastewater operator license. He stated that approximately 65% of their 14 wastewater operators, or around nine of them, held a Class 1 license. He stated that on the water side, David Bortner had also attained a Class 1

water operator license. He stated that 63%, or 13, of the 21 water operators held this level of certification.

Mr. Mawyer stated that Finance staff attended the Virginia Government Finance Officers Association meeting in Charlottesville, while Ms. Beard and Alisa Cooper had attended Human Resources training. He stated that earlier this month, they had celebrated Employee Appreciation Day by taking staff to Michie Tavern for lunch, where they presented service awards and recognized employees with five to 20 years of service.

Mr. Mawyer stated that the state had recently placed our area under a “drought watch” status. He stated they were monitoring all the reservoirs and streams to keep an eye on the situation and were hoping for rain.

Mr. Mawyer stated that as an update to the Rivanna Pump Station restoration project, they had nearly completed all the work and the temporary bypass system had been removed. He stated they had settled with the insurance company and the total project cost had been reduced. He stated that they had estimated the cost to be \$16 million, but their maintenance staff was able to complete some work recently, bringing the total cost down to approximately \$14.3 million for restoration of the pump station. He stated the insurance company had covered \$9.9 million of the repair cost, while Rivanna paid \$4.3 million for improvements.

Mr. Mawyer stated they have several major infrastructure projects underway including the Central Water Line project. He stated they recently held a neighborhood meeting with the residents in the Fontaine Avenue area, and they were currently installing pipes and working on crossing that area at night. He stated they would also be working from the railroad to the north toward UVA, allowing them to complete the work on UVA property during the Christmas holiday break. He stated they would next bore under the railroad track and install pipe to Jefferson Park Avenue. He stated they would hold a virtual meeting with the Fry Springs neighborhood on December 15 at 7:00 p.m.

Mr. Mawyer stated that Administration staff had moved into their temporary trailer suite, which was currently being used for offices, as the administration building was undergoing renovations. He stated that the contractor owned the trailers, so they would be removed once the project was completed. He stated they were currently pouring footings and building the elevator shaft. He stated that following Thanksgiving, the contractor would begin the demolition process inside the building, stripping everything down to the exterior walls before starting the renovation process.

Mr. Mawyer stated structural repair of the wastewater digesters was underway. He stated the maintenance shed, previously utilized as the compost shed, was being renovated with the contractor repairing the structural beams and installing a new roof. He stated the two wastewater equalization basins were being repaired. He stated the concrete in these basins was in disrepair, and the contractor was chipping out the deteriorated concrete and replacing it. He stated the Maintenance building was being renovated with new restrooms, locker, and storage facilities.

Mr. Mawyer stated that the South Rivanna River pipe crossing project was also progressing well, with three reaming passes completed under the river and the fourth pass nearing completion. He stated the High Density Polyethylene pipe would be pulled through the bore hole, and then pipe

would be installed in the trenches on Old Rio Mills Road. He stated the Ragged Mountain Reservoir to Observatory Pipeline and Pump Station Project was underway. He stated that the Ragged Mountain Reservoir Pool Raising Project recently began. He stated that tree clearing would begin in November and continue through March 31, at which point the long-eared bat impact period would start.

Mr. Mawyer stated that on Thursday, November 20<sup>th</sup>, construction bids would be received for the pipe project from the Rivanna Reservoir to Ragged Mountain Reservoir. He stated that it was hoped that next month, a contract recommendation would be made to award the construction contract. He stated that the Central Water Line would be installed to facilitate water distribution within the City and County over the next five years.

Mr. Mawyer stated they had received approximately \$1 million in PFAS settlement payments from 3M and DuPont from the class action litigation. He stated they also met with the subcommittee on the budget, led by Mr. Lunsford and Ms. Hildebrand, and they had another meeting scheduled for December to review the preliminary CIP budget which they would present to the Board in February.

## **6. ITEMS FROM THE PUBLIC**

There were none.

## **7. RESPONSES TO PUBLIC COMMENTS**

There were none.

## **8. CONSENT AGENDA**

*a. Staff Report on Administration and Communications*

*b. Staff Report on CIP Projects*

*c. Staff Report on Finance*

*d. Staff Report on Information Technology*

*e. Staff Report on Operations*

*f. Staff Report on Drought Monitoring*

*g. Staff Report on Wholesale Metering*

*h. Approval of Board Meeting Schedule for Calendar Year 2026*

*i. Approval of the Holiday Schedule for Calendar Year 2026*

*j. Approval to Amend FY 26-30 Capital Improvement Plan and Increase Construction Funds – South Fork Rivanna River 24” Water Main Crossing*

k. *Approval to Amend Value Engineering Policy*

**Mr. Pinkston moved that the Board of Directors approve the Consent Agenda. Ms. Mallek seconded the motion, which carried unanimously (7-0).**

## **9. OTHER BUSINESS**

a. *Presentation: Enhanced Employee Safety with "OK Alone" System*

Daniel Campbell, Director of Operations and Environmental Services, stated that he would review the OKALONE system, an enhanced employee safety initiative that fell under the operational optimization goal of the Authority's strategic plan, focusing on efficiency, reliability, and safety. He stated the technology was designed to improve safety for their workers. He stated that they had employees who worked alone, such as maintenance mechanics, water operators, and wastewater treatment plant operators.

Mr. Campbell stated that the current safety verification program relied on two-way radios and typically involved a primary process when the Moores Creek Administrative Office was open. He stated that when employees started their shift, they signed on via radio with the office, and the administrative assistant logged the check-in on Microsoft Teams. He stated the assistant then conducted radio safety checks every two hours for the sites that signed on for safety verifications.

Mr. Campbell stated that if there was no response, the administrative assistant would then try to contact the employee by phone and if they still could not be reached, they would then reach out to the manager. He stated the process was in place 24 hours a day and if employees were still signed in and working when the administrative office closed, they would be transferred to the South Rivanna water treatment plant, where operators took over the safety checks.

Mr. Campbell stated that he was initially asked to investigate alternative solutions to the traditional two-way radio safety check program. He stated that he reached out to VDH to see what other utilities were using. He stated they found themselves in a unique situation, as most water and wastewater utilities were part of a city or county and had a fire department or police department that could conduct safety checks.

Mr. Campbell stated that given their set-up, they needed an option that was customizable to their needs. He stated that after researching, they decided on the "OK Alone" system. He stated the system was fully customizable to meet their needs, did not require additional hardware, and utilized cell phones they already had. He stated IT was able to push the software update to the devices, and it was installed. He stated that OK Alone offered a third-party monitoring option for additional monitoring if needed. He stated that currently, the system was self-monitored, alerting employees, typically supervisors and managers, if a check-in was missed.

Mr. Campbell stated that if an employee missed a check-in 10 minutes after the scheduled time, the system would email and text them asking them to check-in with the system and informing them that they had missed their check-in. He stated if 10 additional minutes passed, it would then contact them via phone and text to check-in on the app. He stated that finally, if 30 minutes had

143 passed, following the missed safety check-in and they still had not checked in, it would notify the  
144 supervisor and managers.

145 Mr. Campbell stated that OKALONE had been installed on over 100 Rivanna Authority  
146 smartphones. He stated that traditionally, only the solid waste facilities, water operators, and  
147 wastewater operators were required to perform safety checks. However, this program was now  
148 available to all employees across the Authorities.

149 Mr. Campbell stated they developed general administrative procedures for staff to follow,  
150 including instructional videos and links for monitors and workers to see how to use the system.  
151 He stated the app included features like a "shake for help" and "worker down", where if the  
152 phone sat idle for a long enough period, it would alert staff that there could be an issue.

153 Mr. Campbell stated that the app also included features like "emergency notification", where  
154 employees could initiate an emergency, shake the device, or hit the emergency alert button. He  
155 stated this was not meant to replace 911, but rather a one-touch option for emergency  
156 notification. He stated that the app also included the employee's location (when logged in and  
157 working), which was displayed on the dashboard that the manager would see when they logged  
158 in.

159 Mr. Campbell stated that whenever the app notified supervisors and managers, it sent a text,  
160 phone call, and email to inform them of the issue. He stated that more employees could use the  
161 app, and they had enough licenses to expand it if needed. He stated that some of the benefits of  
162 OK Alone included emergency notification, staff savings, and cost savings.

163 Mr. Campbell stated that the current radio check system required approximately 140 minutes of  
164 work each day from administrative staff and South Rivanna Water Treatment Plant operators  
165 after admin office hours. He stated that OKALONE resulted in staff savings of approximately 16  
166 hours a week, or \$480 a week, which translated to about \$25,000 a year. He stated that in  
167 contrast, the OKALONE licensing and app cost for water and sewer was approximately \$11,000  
168 a year, resulting in an optimization savings of \$14,000 a year.

169 Ms. Mallek noted that 10 minutes or 30 minutes could be a long time in terms of emergency  
170 response. She asked for reassurance that there would be other emergency responses measures put  
171 in place.

172 Mr. Campbell stated that the system that was put in place was intended to get them started with  
173 what they currently had as a direct replacement to the two-way radio safety check system. He  
174 stated that administrative staff would follow the 10-, 20-, and 30-minute procedures, and they  
175 would reach out to management if there was no response. He stated that in the case of an  
176 employee slipping on ice or falling, there was a man-down feature, which used accelerometers in  
177 the phone to send alerts to management staff if a fall was detected. He stated that they had not  
178 eliminated the two-way radio system entirely, either.

179 Mr. Richardson stated he wanted to highlight the significant cost savings of \$14,000 per year,  
180 which was a great example of staff finding ways to accomplish tasks at a lower cost. He stated  
181 that this was a good illustration of utilizing IT effectively and leveraging technology. He stated  
182 he wanted to share the initiative as an example of how Rivanna was using IT effectively, and he

183 asked staff to provide a paragraph summarizing it. He also asked for a copy of the "Future of  
184 Solid Waste" presentation from the RSWA meeting.

185 Mr. Gaffney stated that the OKALONE system was not just cheaper, but it was a better and more  
186 effective safety system.

187 ***10. CLOSED MEETING***

188 There was no reason for a closed meeting.

189 ***11. ADJOURNMENT***

190 **Mr. Pinkston moved that the Board of Directors adjourn the meeting at 3:25 p.m. Ms.**  
191 **Mallek seconded the motion, which carried unanimously (7-0).**



**RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS**

**Resolution of Appreciation for Mr. Jay Young**

**WHEREAS** Mr. Young has served in the Information Technology Department in various positions including Assistant Information Systems Administrator for 17 years; and

**WHEREAS** over the same period of 17 years, Jay Young's knowledge and understanding of the Authority's Information Technology systems as well as his unwavering dedication and loyalty to the Authority have positively impacted the Authority, its employees, and its customers; and

**WHEREAS** Mr. Young's authentic commitment to the Authority's values of Integrity, Teamwork, Respect and Quality has guided his leadership in building a professional, responsive and dynamic Information Technology Department that has provided outstanding support for the Authority as well as our community.

**NOW, THEREFORE, BE IT RESOLVED** that the Rivanna Water and Sewer Authority Board of Directors recognizes, thanks, and commends Mr. Young for his many years of distinguished service, efforts, and achievements, and presents this Resolution as a token of esteem, with best wishes in his retirement.

**BE IT FURTHER RESOLVED** that this Resolution be entered upon the permanent Minutes of the Rivanna Water and Sewer Authority.

Michael Gaffney, Chairman  
Lauren Hildebrand  
Quin Lunsford  
Ann Mallek  
Brian Pinkston  
Jeff Richardson  
Sam Sanders



**RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS**

**Resolution of Appreciation for Ms. Betsy Nemeth**

**WHEREAS** Ms. Nemeth has served as our first Director of Administration and Communications since 2023 managing Human Resources, office administration, public communications and safety programs after joining the Authorities as Human Resources Manager in April 2016, and

**WHEREAS** over the same period of 10 years, Ms. Nemeth provided expert guidance in employee relations, recruiting, retention, training, benefits planning, and oversight of federal and state employer regulatory compliance issues which positively impacted the Authority, its employees, and its customers; and

**WHEREAS** Ms. Nemeth's commitment to the Authority's values of Integrity, Teamwork, Respect and Quality has guided her leadership in building a professional and responsive Division that has provided outstanding support for the Authority.

**NOW, THEREFORE, BE IT RESOLVED** that the Rivanna Water and Sewer Authority Board of Directors recognizes, thanks, and commends Ms. Nemeth for her years of distinguished service, efforts, and achievements, and presents this Resolution as a token of esteem, with best wishes in her retirement.

**BE IT FURTHER RESOLVED** that this Resolution be entered upon the permanent Minutes of the Rivanna Water and Sewer Authority.

Michael Gaffney, Chairman  
Lauren Hildebrand  
Quin Lunsford  
Ann Mallek  
Brian Pinkston  
Jeff Richardson  
Sam Sanders



## RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

### **Resolution of Appreciation for Mr. Brian Pinkston**

**WHEREAS**, Mr. Pinkston has served as a member of the Rivanna Water and Sewer Board of Directors since January 2022; and

**WHEREAS**, over that same period Mr. Pinkston's demonstrated leadership and understanding of the operations of the Water & Sewer Authority has supported a strategic decision-making process that provided benefits to the customers served by the City of Charlottesville as well as the community as a whole.

During Mr. Pinkston's tenure, major initiatives and projects were strategically implemented to complete the community's long-term drinking water supply plan as well as to enhance other services provided by the Authorities. Significant infrastructure repair and improvement projects totaling over \$500 M were completed or initiated including construction of:

- An 8-mile-long raw water pipeline and pump station between the South Rivanna Reservoir and the Ragged Mountain Reservoir
- A 3-mile-long raw water pipeline and pump station between the Ragged Mountain Reservoir and the Observatory Water Treatment Plant
- Raising the Pool Level at the Ragged Mountain Reservoir to increase storage capacity by 700 MG
- Renovations and additional Granular Activated Carbon water treatment facilities at the South Rivanna, Observatory, Crozet and Red Hill Water Treatment Plants
- The Central Water Line, a 5-mile-long major drinking water pipeline to serve the Urban Area
- The Airport Road Water Pump Station and Piping Project
- The South Rivanna River Crossing Project to improve drinking water reliability and capacity in the northern Urban System
- A renovation and addition, including an Education Center, of the Moores Creek Administration Building
- and a 5-year Strategic Plan to provide direction for the programs of the Authority

**NOW, THEREFORE, BE IT RESOLVED** that the Rivanna Water and Sewer Board of Directors recognize, thank, and commend Mr. Pinkston for his distinguished service, efforts, and achievements as a member of the Rivanna Water and Sewer Authority and present this Resolution as a token of esteem with best wishes in his future endeavors.

**BE IT FURTHER RESOLVED** that this Resolution be entered upon the permanent Minutes of the Rivanna Water and Sewer Authority.

Michael Gaffney, Chairman  
Lauren Hildebrand  
Quin Lunsford  
Ann Mallek  
Jeff Richardson  
Sam Sanders

## MEMORANDUM

**TO:** RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS

**FROM:** BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** EXECUTIVE DIRECTOR'S REPORT

**DATE:** DECEMBER 16, 2025

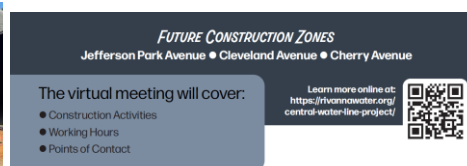
### *STRATEGIC PLAN PRIORITY: ENVIRONMENTAL STEWARDSHIP*

Our Environmental Stewardship Committee led a Holiday Donation Blitz with the collection of gently used clothing and toys, as well as nonperishable food items to support the Jefferson School Foundation efforts.



### *STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION*

#### **Central Water Line Community Meeting**



*Postcard mailed to residents and businesses*

A virtual meeting to update the community on the progress of the Central Water Line construction was held at 7 PM on December 15<sup>th</sup>. Prior to the meeting, 2,200 postcards were mailed to all residents and businesses located in the Fry's Spring and Johnson Village Neighborhoods, providing information on the upcoming, virtual meeting.

## Civil Engineering Capstone

Jennifer Whitaker, Director of Engineering and Maintenance, presented to the UVA Civil Engineering 4<sup>th</sup> year capstone class. Jennifer discussed Public Sector Engineering and provided an overview about the Rivanna Water and Sewer Authority.

## South Rivanna WTP Tour



Second and third grade students and staff from Free Union Country School enjoyed their tour of the South Rivanna WTP on December 4<sup>th</sup>, provided by Keith Covington, Water Department Supervisor and Westley Kern, Communications and Outreach Coordinator.

## Imagine a Day Without Water Winners

Congratulations to the Winners of the 11th annual *Imagine a Day without Water Art Contest* sponsored by the City of Charlottesville, Albemarle County Service Authority, and Rivanna Water & Sewer Authority.



Grades K - 2: Adam Zouari



Grades 5 - 6: Lydia Jones



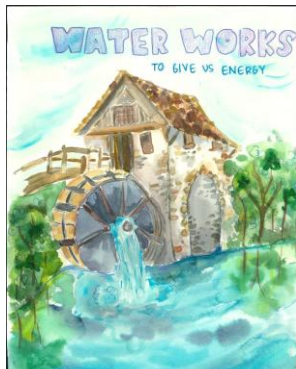
Best Photography:  
Jackson Reeve



Grades 9 - 12:  
Natalia Salazar Fraire



Grades 3 - 4: Anna Ramsay



Grades 7 - 8: Ellie McWhorter



Fan Favorite: Kinsleigh Breeden

2025 Winners  
Imagine a Day  
Without Water

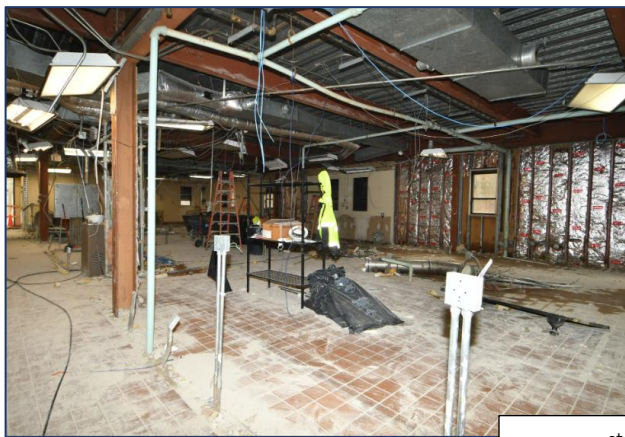
*STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE*

**Capital Improvement Plan Subcommittee Meeting**

A “subcommittee” of City and ACSA staff, including Ms. Hildebrand and Mr. Lunsford, met with RWSA staff on December 9th to review the projects included in the preliminary FY 27 – 31 CIP. The proposed CIP will be updated and introduced to the Board in February 2026.

**Administration Building Update**

Interior renovations commenced on December 1st, and the contractor is working quickly clearing the building.



1<sup>st</sup> floor





2nd floor

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

Excavation and waterline installation in Reservoir Road area near pump station.



### **Central Water Line – Phase 1**



Waterline installation on Lewis Street



## MEMORANDUM

**TO:** RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS

**FROM:** LEAH BEARD, DIRECTOR OF ADMINISTRATION & COMMUNICATIONS

**REVIEWED BY:** BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** ADMINISTRATION & COMMUNICATIONS REPORT

**DATE:** DECEMBER 16, 2025

**Human Resources:** Fiscal Year 2026 turnover is **6.5%** through November 7, 2025, for the period beginning July 1, 2025. This figure includes one retirement.

We are pleased to share the upcoming retirements of two valued employees who have provided dedicated service to Rivanna and our community:

- **Jay Young** – *Assistant IS Administrator*, retiring December 31, 2025, after 17 years of service.
- **Betsy Nemeth** – *Director of Administration & Communications*, – retiring January 2, 2026, after 10 years of service.

As part of our ongoing Workforce Development Strategic Plan, eight employees will participate in *Looking at Leadership*, our interactive leadership development workshop in early 2026.

**Safety:** Our *Safety Manager*, George Cheape, has implemented the *OK Alone* mobile application to support employee safety when working independently across Rivanna sites. The Safety team is also deploying *Safety Plus*, a new incident-reporting and compliance platform designed to strengthen OSHA documentation and enhance overall safety performance.

**Communications & Outreach:** Our *Communications & Outreach Coordinator*, Westley Kern, continues to provide timely updates to the community regarding Rivanna's capital improvement projects through press releases, signage, door hangers, and subscription-based newsletters. Current communication efforts include:

- Ongoing outreach for major projects such as the Central Water Line and the Ragged Mountain Reservoir Pool Raise.
- An informational neighborhood virtual meeting scheduled for December 15, 2025, at 7:00 PM for Fry's Spring and Johnson Village residents.
- Installation of signage at the Woodburn and Woodlands boat ramps announcing the planned closure of Woodburn Boat Ramp on January 1, 2026.

**Grants & Sustainability:** Our *Grants & Sustainability Coordinator*, Annie West, continues advancing Rivanna's grant-funded resiliency and infrastructure initiatives. Recent updates include:

- Collaboration with VDEM to update the cost-benefit ratio for the Scottsville Generator Upgrade Project.
- Award of \$198,930 in FEMA/VDEM funding for the Flood Protection Resiliency Study, which is currently underway.
- Execution of the funding agreement for the Crozet WTP GAC Expansion Project; the Finance team is preparing the first reimbursement request to VDH.

## 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:** DECEMBER 16, 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: <https://www.rivanna.org/wp-content/uploads/2024/06/2025-2029-CIP-Final-Draft.pdf>

### 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 2027                    |
| 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                                  | June 2026               | June 2027                    |
| 10 | RMR Pool Raise                                        | September 2025          | December 2026                |
| 11 | Sewer and Manhole Repairs, Phase 2                    | December 2025           | June 2027                    |
| 12 | Crozet WTP GAC Expansion, Phase 1                     | March 2026              | May 2028                     |
| 13 | SVWRRF Generator                                      | January 2026            | June 2027                    |
| 14 | SRR to RMR Pipeline, Intake, and Facilities           | May 2026                | December 2030                |
| 15 | Glenmore WRRF, Phase 1                                | June 2026               | June 2029                    |
| 16 | Sodium Hypochlorite Tank Replacement, OBWTP           | September 2026          | July 2027                    |

|    |                                                                             |              |               |
|----|-----------------------------------------------------------------------------|--------------|---------------|
| 17 | Central Water Line, Phase 2                                                 | August 2026  | March 2029    |
| 18 | MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades | June 2026    | May 2028      |
| 19 | Beaver Creek Dam Spillway Modifications                                     | March 2027   | June 2031     |
| 20 | Beaver Creek Raw Water Pump Station, Intake, and Piping                     | July 2026    | June 2029     |
| 21 | Upper Schenks Branch Interceptor, Phase 2                                   | 2027         | 2029          |
| 22 | Dam Concrete and Steel Repairs                                              | July 2026    | November 2027 |
| 23 | SVWRRF Permit Modification Upgrades                                         | May 2026     | May 2027      |
| 24 | Powell Creek Interceptor Upgrade (PC1-PC5)                                  | January 2026 | Dec 2027      |
| 25 | Airport Rd WSTs and Pumps                                                   | January 2027 | December 2028 |
| 26 | NR River Crossing and Piping                                                | January 2027 | December 2029 |

#### 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
11. Sewer & Manhole Repairs (Phase 2)
12. Crozet WTP GAC Expansion, Phase 1
13. SVWRRF Generator
14. SRR to RMR Pipeline, Intake, and Facilities
15. Glenmore WRRF Upgrade, Phase 1
16. Sodium Hypochlorite Tank Replacement, OBWTP

#### Design and Bidding

17. Central Water Line, Phase 2
18. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades
19. Beaver Creek Dam Spillway Modifications
20. Beaver Creek Raw Water Pump Station, Intake, and Piping
21. Upper Schenks Branch Interceptor, Phase 2
22. Dam Concrete and Steel Repairs
23. SVWRRF Permit Modification Upgrades
24. Powell Creek Interceptor Upgrade (PC1-PC5)
25. Airport Rd WSTs and Pumps
26. NR River Crossing and Piping

## Planning and Studies

- 27. MCAWRRF Biogas Upgrades
- 28. Flood Protection Resiliency Study

## Other Significant Projects

- 29. Urgent and Emergency Repairs
- 30. Security Enhancements

## **Under Construction**

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

|                                                                       |                                                  |
|-----------------------------------------------------------------------|--------------------------------------------------|
| Design Engineer:                                                      | Michael Baker International (Baker)              |
| Construction Contractor:                                              | Sagres Construction Corporation (Alexandria, VA) |
| Construction Start:                                                   | October 2025                                     |
| Percent Complete:                                                     | 6%                                               |
| Base Construction Contract +<br>Change Order to Date = Current Value: | \$47,450,000                                     |
| Completion:                                                           | December 2029                                    |
| Budget:                                                               | \$58 M                                           |

Current Status: The first stage of water line construction includes Stadium Rd, Piedmont Ave, Price Ave, and Lewis St (to the railroad tracks). Contractor has installed approximately 500 linear feet of 30-inch water line in Lewis St, in addition to 240 linear feet of 2-inch water line for City Utilities in Lewis St. A virtual public meeting for the Fry's Spring neighborhood is scheduled for December 15, 2025 at 7 pm to discuss construction for Stages 2 and 3. Approximately 2,200 mailers have been sent out to notify residents in addition to coordinating with the neighborhood association. A pre-con meeting was also held with UVA staff, and tree clearing on UVA property has begun so water line installation can occur while students are on winter break.

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

|                                                                       |                                       |
|-----------------------------------------------------------------------|---------------------------------------|
| Design Engineer:                                                      | Short Elliot Hendrickson (SEH)        |
| Construction Contractor:                                              | Anderson Construction (Lynchburg, VA) |
| Construction Start:                                                   | January 2025                          |
| Percent Complete:                                                     | 15%                                   |
| Base Construction Contract +<br>Change Order to Date = Current Value: | \$2,067,000 - \$324,625 = \$1,742,375 |
| Completion:                                                           | June 2027                             |
| Budget:                                                               | \$2.05 M                              |

Current Status: The building permit has been approved and construction activities have begun.

### **3. South Fork Rivanna River Crossing**

|                          |                                     |
|--------------------------|-------------------------------------|
| Design Engineer:         | Michael Baker International (Baker) |
| Construction Contractor: | Faulconer (Charlottesville, VA)     |
| Construction Start:      | December 2024                       |

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Percent Complete:                     | 65%                                     |
| Base Construction Contract +          |                                         |
| Change Order to Date = Current Value: | $\$4,916,940 + \$491,550 = \$5,408,490$ |
| Completion:                           | January 2027                            |
| Budget:                               | \$6.55 M                                |

Current Status: Horizontal Directional Drilling subcontractor is on the third (and final) reaming pass for the 1,200 LF directional drill before they can pull the fused HDPE water line through the opening which is anticipated before the end of December. A portion of Old Rio Mills Road will be closed for several more months during construction of the new 24" water line.

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

|                                       |                                             |
|---------------------------------------|---------------------------------------------|
| Design Engineer:                      | Kimley-Horn                                 |
| Construction Contractor:              | Thalle Construction (Hillsborough, NC)      |
| Construction Start:                   | February 2025                               |
| Percent Complete:                     | 18%                                         |
| 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                                   |

Current Status: Following completion of the roadway crossings at Fontaine Avenue and Reservoir Road, the Contractor has transitioned to installing the 36" pipeline between the reservoir and pump station in easement areas to the North of Reservoir Road. Approximately 400 LF of pipe have been installed in this area, bringing the total for the project to 2200 LF. Construction of the pump station began on December 1<sup>st</sup>.

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

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Design Engineer:                      | Short Elliot Hendrickson (SEH)          |
| Construction Contractor:              | English Construction (Lynchburg, VA)    |
| Construction Start:                   | May 2025                                |
| Percent Complete:                     | 16%                                     |
| Base Construction Contract+           |                                         |
| Change Order to Date = Current Value: | $\$9,821,000 - \$189,500 = \$9,631,500$ |
| Completion:                           | May 2027                                |
| Budget:                               | \$11.8 M                                |

Current Status: Contractor is working on improvements to the Duty Station which will provide temporary office and storage space for maintenance personnel while office spaces in the Blower Building are being renovated. Foundation work for the new office space under the Vehicle Maintenance Shop canopy and test pitting of utilities are ongoing.

#### 6. **MCAWRRF Structural and Concrete Rehabilitation**

|                          |                                |
|--------------------------|--------------------------------|
| Design Engineer:         | Hazen and Sawyer (Hazen)       |
| Construction Contractor: | WM Schlosser (Hyattsville, MD) |

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Construction Start:                   | May 2025                                |
| Percent Complete:                     | 16%                                     |
| Base Construction Contract+           |                                         |
| Change Order to Date = Current Value: | \$13,866,000 - \$898,500 = \$12,967,500 |
| Completion:                           | May 2027                                |
| Budget:                               | \$15.5 M                                |

Current Status: Priming, painting, and purlin replacement at the north Maintenance storage building is underway. Concrete repairs are ongoing on the digesters and the equalization basins.

## 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                 |

Current Status: Materials have been ordered .

## 8. **Moore's Creek Administration Building Renovation and Addition**

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Design Engineer:                     | SEH                               |
| Construction Contractor              | Martin Horn (Charlottesville, VA) |
| Construction Start:                  | August 2025                       |
| Percent Complete:                    | 10%                               |
| Base Construction Contract+          |                                   |
| Change Order to Date = Current Value | \$22,094,000                      |
| Completion:                          | December 2027                     |
| Budget:                              | \$27.6 M                          |

Current Status: Site and foundation work continue for the addition. Administrative staff have moved out of the existing Administration Building into temporary spaces and demolition of the interior of the building has begun.

## 9. **SRWTP – PAC Upgrades**

|                                      |                          |
|--------------------------------------|--------------------------|
| Design Engineer:                     | SEH                      |
| Construction Contractor              | Waco, Inc (Sandston, VA) |
| Construction Start:                  | June 2026                |
| Percent Complete:                    | 5%                       |
| Base Construction Contract+          |                          |
| Change Order to Date = Current Value | \$1,497,000              |
| Completion:                          | June 2027                |
| Budget:                              | \$1.82 M                 |

Current Status: Submittals for the powdered activated carbon tank are being processed and materials are being ordered. Based on the anticipated lead time for the PAC system, onsite mobilization is anticipated in June 2026. No impact to the completion date is expected at this point.

#### **10. RMR Pool Raise**

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Design Engineer:                     | Schnabel Engineering                         |
| Construction Contractor:             | Faulconer Construction (Charlottesville, VA) |
| Construction Start:                  | September 2025                               |
| Percent Complete:                    | 12%                                          |
| Base Construction Contract+          |                                              |
| Change Order to Date = Current Value | \$12,329,000 - \$1,310,950 = \$11,018,050    |
| Completion:                          | December 2026                                |
| Budget:                              | \$13.3 M                                     |

Current Status: Tree clearing activities started on November 17<sup>th</sup>, with an early focus on the western side of the reservoir, closest to I-64, near the floating pedestrian bridge. Tree clearing work will continue to progress around the Reservoir towards the dam over the coming months.

#### **11. Sewer and Manhole Repairs, Phase 2**

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Design Engineer:                     | CHA Consulting, Inc.                  |
| Construction Contractor:             | Vortex Services, LLC (Chesapeake, VA) |
| Construction Start:                  | December 2025                         |
| Percent Complete:                    | 5%                                    |
| Base Construction Contract+          |                                       |
| Change Order to Date = Current Value | \$1,439,440                           |
| Completion:                          | June 2027                             |
| Budget:                              | \$2.185 M                             |

Current Status: Manhole rehabilitation work began on November 17<sup>th</sup>, and sewer inspection via closed-circuit television (CCTV) began on December 1<sup>st</sup>.

#### **12. Crozet WTP GAC Expansion, Phase 1**

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Design Engineer:                      | SEH                                          |
| Construction Contractor:              | English Construction Company (Lynchburg, VA) |
| Construction Start:                   | March 2026                                   |
| Percent Complete:                     | 0%                                           |
| Base Construction Contract +          |                                              |
| Change Orders to Date = Current Value | \$9,920,000                                  |
| Completion:                           | May 2028                                     |
| Budget:                               | \$12.165 M                                   |

Current Status: A preconstruction meeting with English Construction and VDH was held in November. Notice to Proceed is anticipated in early 2026 following final site plan approval by Albemarle County. VDH has committed grant funds totaling \$7.24 M that will support the project.

#### **13. SVWRRF Generator**

|                  |              |
|------------------|--------------|
| Design Engineer: | Wiley Wilson |
|------------------|--------------|

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Construction Contractor:              | Carrick Contracting Corp. (Williamsburg, VA) |
| Construction Start:                   | January 2026                                 |
| Percent Complete:                     | 0%                                           |
| Base Construction Contract +          |                                              |
| Change Orders to Date = Current Value | \$825,245                                    |
| Completion:                           | June 2027                                    |
| Budget:                               | \$1.36 M                                     |

Current Status: Contracts were executed in early December and the pre-construction conference will be scheduled with the Contractor and Scottsville Town Manager in mid-December. Notice to Proceed is anticipated in early January.

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

|                          |                                   |
|--------------------------|-----------------------------------|
| Design Engineer:         | Kimley Horn                       |
| Construction Contractor: | Garney Construction (Fairfax, VA) |
| Project Start:           | July 2023                         |
| Project Status:          | Award                             |
| Construction Start:      | May 2026                          |
| Completion:              | December 2030                     |
| Budget:                  | \$107 M                           |

Current Status: This project will include a raw water pump station with intake screens at the SRR, and about 6.5 miles of 36" ductile iron pipe from SRR to Rt. 250 W near Birdwood.

#### **15. Glenmore WRRF Upgrade, Phase 1**

|                          |                                              |
|--------------------------|----------------------------------------------|
| Design Engineer:         | SEH                                          |
| Construction Contractor: | Maverick Construction, LLC (Grasonville, MD) |
| Project Start:           | March 2025                                   |
| Project Status:          | Award                                        |
| Construction Start:      | June 2026                                    |
| Completion:              | January 2028                                 |
| Budget:                  | \$1.8 M                                      |

Current Status: This project will replace wastewater treatment equipment at the end of its useful life and reduce the noise generated from the aeration system blowers.

#### **16. Sodium Hypochlorite Tank Replacement, OBWTP**

|                                       |                                 |
|---------------------------------------|---------------------------------|
| Design Engineer:                      | Short Elliott Hendrickson (SEH) |
| Construction Contractor:              | Waco, Inc. (Sandston, VA)       |
| Construction Start:                   | September 2026                  |
| Percent Complete:                     | 0%                              |
| Base Construction Contract +          |                                 |
| Change Order to Date = Current Value: | \$227,000                       |
| Completion:                           | July 2027                       |
| Budget:                               | \$293,000                       |

Current Status: Replace 2 hypochlorite tanks.

## **Design and Bidding**

### **17. Central Water Line, Phase 2**

|                     |                                     |
|---------------------|-------------------------------------|
| Design Engineer:    | Michael Baker International (Baker) |
| Project Start:      | July 2024                           |
| Project Status:     | 85% Design                          |
| Construction Start: | August 2026                         |
| Completion:         | March 2029                          |
| Budget:             | \$21 M                              |

Current Status: Engineers are developing 90% design drawings and site plan permit applications for review. A private easement has been acquired and easements on two City parcels will be requested from City Council.

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

|                     |                          |
|---------------------|--------------------------|
| Design Engineer:    | Hazen and Sawyer (Hazen) |
| Project Start:      | June 2023                |
| Project Status:     | 90% Design               |
| Construction Start: | June 2026                |
| Completion:         | May 2028                 |
| Budget:             | \$10.2 M                 |

Current Status: Final design is proceeding with the additional work on the south side septage station. Acquisition of a small parcel outside the MC fence line is needed for construction and negotiations are underway.

### **19. Beaver Creek Dam Spillway Modifications**

|                     |                      |
|---------------------|----------------------|
| Design Engineer:    | Schnabel Engineering |
| Project Start:      | February 2018        |
| Project Status:     | 80% Design           |
| Construction Start: | March 2027           |
| Completion:         | June 2031            |
| Budget:             | \$33.5 M             |

Current Status: 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.

### **20. Beaver Creek Raw Water Pump Station, Intake, and Piping Improvements**

|                     |                |
|---------------------|----------------|
| Design Engineer:    | Hazen & Sawyer |
| Project Start:      | February 2018  |
| Project Status:     | 85% Design     |
| Construction Start: | July 2026      |
| Completion:         | June 2029      |
| Budget:             | \$39.0 M       |

Current Status: Design of the pump station continues including recommendations from the Value Engineering workshop. Discussions with the County are underway regarding a lease for the Pump Station property. Easement negotiations for the new raw water main are underway.

## **21. Upper Schenks Branch Interceptor, Phase 2**

|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| Design Engineer:    | CHA Consulting                                               |
| Project Start:      | July 2021                                                    |
| Project Status:     | Design                                                       |
| Construction Start: | 2026                                                         |
| Completion:         | 2027                                                         |
| Budget:             | \$7.1 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.

## **22. Dam Concrete and Steel Repairs**

|                     |                 |
|---------------------|-----------------|
| Design Engineer:    | GAI Consultants |
| Project Start:      | January 2025    |
| Project Status:     | 90% Design      |
| Construction Start: | July 2026       |
| Completion:         | November 2027   |
| Budget:             | \$2.82 M        |

Current Status: Structural assessments of the Sugar Hollow, South Rivanna, Lickinghole Creek, and Totier Creek dams were completed in March 2025. Design of the recommended repairs is underway.

## **23. SVWRRF Permit Modification Upgrades**

|                     |                          |
|---------------------|--------------------------|
| Design Engineer:    | Short Elliot Hendrickson |
| Project Start:      | July 2025                |
| Project Status:     | 40% Design               |
| Construction Start: | May 2026                 |
| Completion:         | May 2027                 |
| Budget:             | \$827,000                |

Current Status: This project includes influent pump station and headworks upgrades, aeration piping rehabilitation, a new storage and chemical feed building, and flood resiliency improvements. Design is underway and interim measures for meeting permit requirements are being coordinated with Operations staff.

## **24. Powell Creek Interceptor Upgrade (PC1-PC5)**

|                     |               |
|---------------------|---------------|
| Design Engineer:    |               |
| Project Start:      | December 2025 |
| Project Status:     | 1% Design     |
| Construction Start: | January 2028  |
| Completion:         | December 2029 |
| Budget:             | \$ 43 M       |

Current Status: Developing scope of work to replace this sewer pipe.

**25. Airport Rd WSTs and Pumps**

|                     |               |
|---------------------|---------------|
| Design Engineer:    | SEH           |
| Project Start:      | December 2025 |
| Project Status:     | PER           |
| Construction Start: | January 2027  |
| Completion:         | December 2028 |
| Budget:             | \$14 M        |

Current Status: Developing scope of work to provide 2 water storage tanks and pumps.

**26. NR River Crossing and Piping**

|                     |               |
|---------------------|---------------|
| Design Engineer:    | Kimley-Horn   |
| Project Start:      | December 2025 |
| Project Status:     | PER           |
| Construction Start: | January 2027  |
| Completion:         | December 2029 |
| Budget:             | \$46 M        |

Current Status: Developing scope of work to provide a second water pipe under the N. Rivanna River and upsize water piping in the area.

**Planning and Studies**

**27. MCAWRRF Biogas Upgrades**

|                  |                                     |
|------------------|-------------------------------------|
| Design Engineer: | SEH                                 |
| Project Start:   | October 2021                        |
| Project Status:  | Preliminary Engineering/Study (99%) |
| Completion:      | December 2026                       |
| Budget:          | \$7.8 M                             |

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

**28. Flood Protection Resiliency Study**

|                  |                               |
|------------------|-------------------------------|
| Design Engineer: | Hazen                         |
| Project Start:   | August 2024                   |
| Project Status:  | Preliminary Engineering/Study |
| Completion:      | April 2026                    |
| Budget:          | \$278,500                     |

Current Status: 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 and the analysis process has begun

## **Other Significant Projects**

### **29. Urgent and Emergency Repairs**

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    |
| 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.
- **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.

### **30. Security Enhancements**

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Design Engineer:                       | Hazen & Sawyer                         |
| Construction Contractor:               | Security 101 (Richmond, VA)            |
| Construction Start:                    | March 2020                             |
| Percent Complete:                      | 85% (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:** 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. These discussions continue. The WPO documents were approved by Albemarle County in September.

## MEMORANDUM

**TO: RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS**

**FROM: LONNIE WOOD, DIRECTOR OF FINANCE**

**REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR**

**SUBJECT: OCTOBER MONTHLY FINANCIAL SUMMARY – FY 2026**

**DATE: DECEMBER 16, 2025**

### Financial Snapshot

The Authority's actual operating revenues through October are \$1,843,800 over the prorated annual budget estimates, and operating expenses are over the prorated budget by \$186,800, resulting in an operating surplus of \$1,657,000. Urban Water flows and operating rate revenue for this month are 13% over budget estimates. Urban Wastewater flows and operations rate revenue are 0.5% over budget. The two Urban rate centers generated \$562,300 in excess revenues related to these flows. The Authority has received \$1,036,900 in PFAS litigation funds this fiscal year, which is another cause of excess revenues. These excess revenues are offset by some quarterly and annual payments of operating expenses discussed on the next page.

Total revenues are \$1,866,000 over budget estimates, and total expenses are \$133,100 over budget, resulting in an overall surplus of \$1,732,800 through October. Revenues and expenses are summarized in the table below:

### October 2025 Year-to-Date Budget vs Actual Results:

|                     | Budget             | Actual                     | Variance                   |
|---------------------|--------------------|----------------------------|----------------------------|
| <b>Operations</b>   |                    |                            |                            |
| Revenues            | \$ 10,215,300      | \$ 12,059,083              | \$ 1,843,783               |
| Expenses            | 10,215,300         | 10,402,078                 | (186,778)                  |
| Surplus (deficit)   | <u>\$ -</u>        | <u>\$ 1,657,005</u>        | <u>\$ 1,657,005</u>        |
| <b>Debt Service</b> |                    |                            |                            |
| Revenues            | \$ 11,137,748      | \$ 11,159,932              | \$ 22,184                  |
| Expenses            | 11,137,748         | 11,084,116                 | 53,632                     |
| Surplus (deficit)   | <u>\$ -</u>        | <u>\$ 75,816</u>           | <u>\$ 75,816</u>           |
| <b>Total</b>        |                    |                            |                            |
| Revenues            | \$ 21,353,048      | \$ 23,219,015              | \$ 1,865,967               |
| Expenses            | 21,353,048         | 21,486,194                 | (133,146)                  |
| Surplus (deficit)   | <u><u>\$ -</u></u> | <u><u>\$ 1,732,821</u></u> | <u><u>\$ 1,732,821</u></u> |

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 (\$175,000) is made in August. Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (most departments – pages 2-10) – The prorated budget amounts through October are calculated as 4/12 (or 33.3%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 9 out of 26 total pay periods through October (or 34.6%). This 1.3% difference affects the comparison of budget vs. actual payroll costs. The Maintenance Department is also over the prorated budget due to the final leave payout to the maintenance manager upon retirement. Several water operators have achieved their Class 1 licenses in the past few months.
- 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 \$46,000 and \$16,000 respectively for engineering and technical services. The Administration department is currently \$19,000 over 4/12 of the annual budget for legal fees.
- D. Communication – page 9) – The Finance/IT is currently \$14,000 over the prorated budget in this category for telephone and data services.
- E. Information Technology (Administration, Engineering – pages 8,12) – The Administration department paid for unbudgeted annual renewal fees for safety training and incident reporting software and Doclink Smart Capture software. Engineering paid for an annual budgeted renewal of GIS software.
- F. Operations and Maintenance (Urban Water, Maintenance – pages 2,6) – Urban Water is over the prorated budget \$144,700 for line break repairs and \$71,800 for chemicals. The Maintenance department is currently over budget on vehicle repairs.

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

**Consolidated**  
**Revenues and Expenses Summary**

| <i>Budget</i>  | <i>Budget</i>       | <i>Actual</i>       | <i>Budget</i>     | <i>Variance</i>   |
|----------------|---------------------|---------------------|-------------------|-------------------|
| <i>FY 2026</i> | <i>Year-to-Date</i> | <i>Year-to-Date</i> | <i>vs. Actual</i> | <i>Percentage</i> |

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                                  |           |                   |           |                   |           |                   |           |                  |               |
|--------------------------------------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|------------------|---------------|
| Operations Rate Revenue                          | \$        | 28,565,847        | \$        | 9,521,949         | \$        | 10,084,297        | \$        | 562,348          | 5.91%         |
| Lease Revenue                                    |           | 120,000           |           | 40,000            |           | 49,139            |           | 9,139            | 22.85%        |
| Admin., Finance/IT, Maint. & Engineering Revenue |           | 998,000           |           | 332,667           |           | 351,500           |           | 18,833           | 5.66%         |
| Other Revenues                                   |           | 689,654           |           | 229,885           |           | 1,380,640         |           | 1,150,755        | 500.58%       |
| Interest Allocation                              |           | 272,400           |           | 90,800            |           | 193,507           |           | 102,707          | 113.11%       |
| <b>Total Operating Revenues</b>                  | <b>\$</b> | <b>30,645,901</b> | <b>\$</b> | <b>10,215,300</b> | <b>\$</b> | <b>12,059,083</b> | <b>\$</b> | <b>1,843,783</b> | <b>18.05%</b> |

**Expenses**

|                                    |            |           |                   |           |                   |           |                   |           |                  |               |
|------------------------------------|------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|------------------|---------------|
| Personnel Cost                     | <b>A,B</b> | \$        | 14,179,052        | \$        | 4,726,351         | \$        | 4,918,698         | \$        | (192,348)        | -4.07%        |
| Professional Services              | <b>C</b>   |           | 777,950           |           | 259,317           |           | 301,889           |           | (42,572)         | -16.42%       |
| Other Services & Charges           |            |           | 4,580,981         |           | 1,526,994         |           | 1,398,534         |           | 128,460          | 8.41%         |
| Communication                      | <b>D</b>   |           | 291,328           |           | 97,109            |           | 115,063           |           | (17,954)         | -18.49%       |
| Information Technology             | <b>E</b>   |           | 2,398,380         |           | 799,460           |           | 663,081           |           | 136,379          | 17.06%        |
| Supplies                           |            |           | 60,031            |           | 20,010            |           | 22,344            |           | (2,333)          | -11.66%       |
| Operations & Maintenance           | <b>A,F</b> |           | 6,856,926         |           | 2,285,642         |           | 2,514,609         |           | (228,967)        | -10.02%       |
| Equipment Purchases                |            |           | 551,250           |           | 183,750           |           | 151,194           |           | 32,556           | 17.72%        |
| Depreciation                       |            |           | 950,000           |           | 316,667           |           | 316,667           |           | (0)              | 0.00%         |
| <b>Total Operating Expenses</b>    |            | <b>\$</b> | <b>30,645,898</b> | <b>\$</b> | <b>10,215,299</b> | <b>\$</b> | <b>10,402,078</b> | <b>\$</b> | <b>(186,779)</b> | <b>-1.83%</b> |
| <b>Operating Surplus/(Deficit)</b> |            | <b>\$</b> | <b>3</b>          | <b>\$</b> | <b>1</b>          | <b>\$</b> | <b>1,657,004</b>  |           |                  |               |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |           |                   |           |                   |           |                   |           |               |              |
|------------------------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|---------------|--------------|
| Debt Service Rate Revenue          | \$        | 31,290,304        | \$        | 10,430,101        | \$        | 10,430,100        | \$        | (1)           | 0.00%        |
| Septage Receiving Support - County |           | 109,440           |           | 36,480            |           | 109,440           |           | 72,960        | 200.00%      |
| Buck Mountain Lease Revenue        |           | 10,000            |           | 3,333             |           | 381               |           | (2,952)       | -88.57%      |
| Trust Fund Interest                |           | 456,900           |           | 152,300           |           | 158,108           |           | 5,808         | 3.81%        |
| Reserve Fund Interest              |           | 1,546,600         |           | 515,533           |           | 461,903           |           | (53,630)      | -10.40%      |
| <b>Total Debt Service Revenues</b> | <b>\$</b> | <b>33,413,244</b> | <b>\$</b> | <b>11,137,748</b> | <b>\$</b> | <b>11,159,932</b> | <b>\$</b> | <b>22,184</b> | <b>0.20%</b> |

**Debt Service Costs**

|                                       |           |                   |           |                   |           |                   |           |               |              |
|---------------------------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|---------------|--------------|
| Total Principal & Interest            | \$        | 21,245,638        | \$        | 7,081,879         | \$        | 7,081,879         | \$        | -             | 0.00%        |
| Reserve Additions-Interest            |           | 1,546,600         |           | 515,533           |           | 461,903           |           | 53,630        | 10.40%       |
| Debt Service Ratio Charge             |           | 725,000           |           | 241,667           |           | 241,667           |           | -             | 0.00%        |
| Reserve Additions-CIP Growth          |           | 9,896,000         |           | 3,298,667         |           | 3,298,667         |           | -             | 0.00%        |
| <b>Total Debt Service Costs</b>       | <b>\$</b> | <b>33,413,238</b> | <b>\$</b> | <b>11,137,746</b> | <b>\$</b> | <b>11,084,116</b> | <b>\$</b> | <b>53,630</b> | <b>0.48%</b> |
| <b>Debt Service Surplus/(Deficit)</b> | <b>\$</b> | <b>6</b>          | <b>\$</b> | <b>2</b>          | <b>\$</b> | <b>75,816</b>     |           |               |              |

**Summary**

|                          |           |            |           |            |           |                  |    |           |        |
|--------------------------|-----------|------------|-----------|------------|-----------|------------------|----|-----------|--------|
| <b>Total Revenues</b>    | \$        | 64,059,145 | \$        | 21,353,048 | \$        | 23,219,015       | \$ | 1,865,966 | 8.74%  |
| <b>Total Expenses</b>    |           | 64,059,136 |           | 21,353,045 |           | 21,486,194       |    | (133,149) | -0.62% |
| <b>Surplus/(Deficit)</b> | <b>\$</b> | <b>9</b>   | <b>\$</b> | <b>3</b>   | <b>\$</b> | <b>1,732,820</b> |    |           |        |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Urban Water Rate Center**  
**Revenues and Expenses Summary**

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

**Operating Budget vs. Actual**

|                                   |      | Notes |            |    |           |    |           |    |           |         |
|-----------------------------------|------|-------|------------|----|-----------|----|-----------|----|-----------|---------|
| Revenues                          |      |       |            |    |           |    |           |    |           |         |
| Operations Rate Revenue           |      | \$    | 12,376,260 | \$ | 4,125,420 | \$ | 4,666,345 | \$ | 540,925   | 13.11%  |
| Lease Revenue                     |      |       | 90,000     |    | 30,000    |    | 37,627    |    | 7,627     | 25.42%  |
| Grants                            |      |       | -          |    | -         |    | -         |    | -         |         |
| Other Revenue                     |      |       | -          |    | -         |    | 941,224   |    | 941,224   |         |
| Interest Allocation               |      |       | 120,000    |    | 40,000    |    | 84,756    |    | 44,756    | 111.89% |
| Total Operating Revenues          |      | \$    | 12,586,260 | \$ | 4,195,420 | \$ | 5,729,952 | \$ | 1,534,532 | 36.58%  |
| Expenses                          |      |       |            |    |           |    |           |    |           |         |
| Personnel Cost                    | A    | \$    | 2,725,694  | \$ | 908,565   | \$ | 959,696   | \$ | (51,131)  | -5.63%  |
| Professional Services             | C    |       | 220,500    |    | 73,500    |    | 122,281   |    | (48,781)  | -66.37% |
| Other Services & Charges          |      |       | 1,210,134  |    | 403,378   |    | 372,575   |    | 30,803    | 7.64%   |
| Communications                    |      |       | 91,500     |    | 30,500    |    | 38,241    |    | (7,741)   | -25.38% |
| Information Technology            |      |       | 197,100    |    | 65,700    |    | 43,264    |    | 22,436    | 34.15%  |
| Supplies                          |      |       | 10,031     |    | 3,344     |    | 4,231     |    | (887)     | -26.53% |
| Operations & Maintenance          | A, F |       | 3,116,833  |    | 1,038,944 |    | 1,384,615 |    | (345,670) | -33.27% |
| Equipment Purchases               |      |       | 26,900     |    | 8,967     |    | 8,967     |    | (0)       | 0.00%   |
| Depreciation                      |      |       | 300,000    |    | 100,000   |    | 100,000   |    | -         | 0.00%   |
| Subtotal Before Allocations       |      | \$    | 7,898,692  | \$ | 2,632,897 | \$ | 3,033,869 | \$ | (400,972) | -15.23% |
| Allocation of Support Departments |      |       | 4,687,568  |    | 1,562,523 |    | 1,568,022 |    | (5,499)   | -0.35%  |
| Total Operating Expenses          |      | \$    | 12,586,259 | \$ | 4,195,420 | \$ | 4,601,891 | \$ | (406,471) | -9.69%  |
| Operating Surplus/(Deficit)       |      | \$    | 1          | \$ | 0         | \$ | 1,128,062 |    |           |         |

**Debt Service Budget vs. Actual**

|                                       |    |                      |    |                     |    |                     |    |                    |               |
|---------------------------------------|----|----------------------|----|---------------------|----|---------------------|----|--------------------|---------------|
| <b>Revenues</b>                       |    |                      |    |                     |    |                     |    |                    |               |
| Debt Service Rate Revenue             | \$ | 15,733,661           | \$ | 5,244,554           | \$ | 5,244,552           | \$ | (2)                | 0.00%         |
| Trust Fund Interest                   |    | 200,000              |    | 66,667              |    | 69,235              |    | 2,569              | 3.85%         |
| Reserve Fund Interest                 |    | 744,800              |    | 248,267             |    | 222,637             |    | (25,629)           | -10.32%       |
| Lease Revenue                         |    | 10,000               |    | 3,333               |    | 381                 |    | (2,952)            | -88.57%       |
| <b>Total Debt Service Revenues</b>    |    | <b>\$ 16,688,461</b> |    | <b>\$ 5,562,820</b> |    | <b>\$ 5,536,806</b> |    | <b>\$ (26,015)</b> | <b>-0.47%</b> |
| <b>Debt Service Costs</b>             |    |                      |    |                     |    |                     |    |                    |               |
| Total Principal & Interest            | \$ | 8,904,860            | \$ | 2,968,287           | \$ | 2,968,287           | \$ | -                  | 0.00%         |
| Reserve Additions-Interest            |    | 744,800              |    | 248,267             |    | 222,637             |    | 25,629             | 10.32%        |
| Debt Service Ratio Charge             |    | 400,000              |    | 133,333             |    | 133,333             |    | -                  | 0.00%         |
| Est. New Debt Service - CIP Growth    |    | 6,638,800            |    | 2,212,933           |    | 2,212,933           |    | -                  | 0.00%         |
| <b>Total Debt Service Costs</b>       |    | <b>\$ 16,688,460</b> |    | <b>\$ 5,562,820</b> |    | <b>\$ 5,537,191</b> |    | <b>\$ 25,629</b>   | <b>0.46%</b>  |
| <b>Debt Service Surplus/(Deficit)</b> |    | <b>\$ 1</b>          |    | <b>\$ 0</b>         |    | <b>\$ (385)</b>     |    |                    |               |

**Rate Center Summary**

|                                 |    |             |    |             |    |                     |    |           |        |
|---------------------------------|----|-------------|----|-------------|----|---------------------|----|-----------|--------|
| <b>Total Revenues</b>           | \$ | 29,274,721  | \$ | 9,758,240   | \$ | 11,266,758          | \$ | 1,508,517 | 15.46% |
| <b>Total Expenses</b>           |    | 29,274,719  |    | 9,758,240   |    | 10,139,081          |    | (380,841) | -3.90% |
| <b>Surplus/(Deficit)</b>        |    | <b>\$ 2</b> |    | <b>\$ 1</b> |    | <b>\$ 1,127,677</b> |    |           |        |
| <b>Costs per 1000 Gallons</b>   | \$ | 3.70        |    |             | \$ | 3.59                |    |           |        |
| <b>Operating and DS</b>         | \$ | 8.62        |    |             | \$ | 7.91                |    |           |        |
| <b>Thousand Gallons Treated</b> |    | 3,397,700   |    | 1,132,567   |    | 1,281,259           |    | 148,692   | 13.13% |
| <b>or</b>                       |    |             |    |             |    |                     |    |           |        |
| <b>Flow (MGD)</b>               |    | 9.309       |    |             |    | 10.417              |    |           |        |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Crozet Water Rate Center**  
**Revenues and Expenses Summary**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |                     |                   |                   |                  |               |
|---------------------------------|---------------------|-------------------|-------------------|------------------|---------------|
| Operations Rate Revenue         | \$ 1,562,184        | \$ 520,728        | \$ 520,728        | \$ -             | 0.00%         |
| Lease Revenue                   | 30,000              | 10,000            | 11,512            | 1,512            | 15.12%        |
| Other Revenue                   | -                   | -                 | 77,691            | 77,691           |               |
| Interest Allocation             | 15,000              | 5,000             | 10,643            | 5,643            | 112.86%       |
| <b>Total Operating Revenues</b> | <b>\$ 1,607,184</b> | <b>\$ 535,728</b> | <b>\$ 620,573</b> | <b>\$ 84,845</b> | <b>15.84%</b> |

**Expenses**

|                                    |                     |                   |                   |                    |               |
|------------------------------------|---------------------|-------------------|-------------------|--------------------|---------------|
| Personnel Cost                     | \$ 379,359          | \$ 126,453        | \$ 134,852        | \$ (8,399)         | -6.64%        |
| Professional Services              | 19,500              | 6,500             | 23,325            | (16,825)           | -258.85%      |
| Other Services & Charges           | 177,582             | 59,194            | 55,492            | 3,702              | 6.25%         |
| Communications                     | 15,300              | 5,100             | 4,941             | 159                | 3.12%         |
| Information Technology             | 64,400              | 21,467            | 16,835            | 4,632              | 21.58%        |
| Supplies                           | 1,100               | 367               | 1,297             | (930)              | -253.75%      |
| Operations & Maintenance           | 449,085             | 149,695           | 149,196           | 499                | 0.33%         |
| Equipment Purchases                | 3,800               | 1,267             | 1,267             | (0)                | 0.00%         |
| Depreciation                       | 60,000              | 20,000            | 20,000            | -                  | 0.00%         |
| <b>Subtotal Before Allocations</b> | <b>\$ 1,170,126</b> | <b>\$ 390,042</b> | <b>\$ 407,204</b> | <b>\$ (17,162)</b> | <b>-4.40%</b> |
| Allocation of Support Departments  | 437,056             | 145,685           | 146,308           | (622)              | -0.43%        |
| <b>Total Operating Expenses</b>    | <b>\$ 1,607,183</b> | <b>\$ 535,728</b> | <b>\$ 553,512</b> | <b>\$ (17,784)</b> | <b>-3.32%</b> |
| <b>Operating Surplus/(Deficit)</b> | <b>\$ 1</b>         | <b>\$ 0</b>       | <b>\$ 67,061</b>  |                    |               |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |                     |                     |                     |                   |               |
|------------------------------------|---------------------|---------------------|---------------------|-------------------|---------------|
| Debt Service Rate Revenue          | \$ 3,103,992        | \$ 1,034,664        | \$ 1,034,664        | \$ -              | 0.00%         |
| Trust Fund Interest                | 32,000              | 10,667              | 11,068              | 401               | 3.76%         |
| Reserve Fund Interest              | 118,000             | 39,333              | 35,105              | (4,229)           | -10.75%       |
| <b>Total Debt Service Revenues</b> | <b>\$ 3,253,992</b> | <b>\$ 1,084,664</b> | <b>\$ 1,080,836</b> | <b>\$ (3,828)</b> | <b>-0.35%</b> |

**Debt Service Costs**

|                                       |                     |                     |                     |                 |              |
|---------------------------------------|---------------------|---------------------|---------------------|-----------------|--------------|
| Total Principal & Interest            | \$ 1,126,391        | \$ 375,464          | \$ 375,464          | \$ -            | 0.00%        |
| Reserve Additions-Interest            | 118,000             | 39,333              | 35,105              | 4,229           | 10.75%       |
| Estimated New Principal & Interest    | 2,009,600           | 669,867             | 669,867             | -               | 0.00%        |
| <b>Total Debt Service Costs</b>       | <b>\$ 3,253,991</b> | <b>\$ 1,084,664</b> | <b>\$ 1,080,435</b> | <b>\$ 4,229</b> | <b>0.39%</b> |
| <b>Debt Service Surplus/(Deficit)</b> | <b>\$ 1</b>         | <b>\$ 0</b>         | <b>\$ 401</b>       |                 |              |

**Rate Center Summary**

|                                 |              |              |                  |           |        |
|---------------------------------|--------------|--------------|------------------|-----------|--------|
| <b>Total Revenues</b>           | \$ 4,861,176 | \$ 1,620,392 | \$ 1,701,409     | \$ 81,017 | 5.00%  |
| <b>Total Expenses</b>           | 4,861,174    | 1,620,391    | 1,633,947        | (13,556)  | -0.84% |
| <b>Surplus/(Deficit)</b>        | <b>\$ 2</b>  | <b>\$ 1</b>  | <b>\$ 67,463</b> |           |        |
| <b>Costs per 1000 Gallons</b>   | \$ 7.93      |              | \$ 6.27          |           |        |
| <b>Operating and DS</b>         | \$ 23.98     |              | \$ 18.50         |           |        |
| <b>Thousand Gallons Treated</b> | 202,697      | 67,566       | 88,332           | 20,766    | 30.74% |
| <b>Flow (MGD)</b>               | 0.555        |              | 0.718            |           |        |

Rivanna Water & Sewer Authority  
Monthly Financial Statements - October 2025

**Scottsville Water Rate Center**  
**Revenues and Expenses Summary**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |                   |                   |                   |                  |              |
|---------------------------------|-------------------|-------------------|-------------------|------------------|--------------|
| Operations Rate Revenue         | \$ 851,940        | \$ 283,980        | \$ 283,980        | \$ -             | 0.00%        |
| Other Revenue                   | -                 | -                 | 17,997            | 17,997           |              |
| Interest Allocation             | 7,700             | 2,567             | 5,418             | 2,852            | 111.10%      |
| <b>Total Operating Revenues</b> | <b>\$ 859,640</b> | <b>\$ 286,547</b> | <b>\$ 307,395</b> | <b>\$ 20,848</b> | <b>7.28%</b> |

**Expenses**

|                                    |                   |                   |                   |                   |               |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| Personnel Cost                     | \$ 248,090        | \$ 82,697         | \$ 88,622         | \$ (5,926)        | -7.17%        |
| Professional Services              | 15,000            | 5,000             | 11,211            | (6,211)           | -124.23%      |
| Other Services & Charges           | 79,887            | 26,629            | 24,812            | 1,817             | 6.82%         |
| Communications                     | 18,550            | 6,183             | 9,655             | (3,471)           | -56.14%       |
| Information Technology             | 57,000            | 19,000            | 15,587            | 3,413             | 17.96%        |
| Supplies                           | 200               | 67                | 882               | (815)             | -1223.17%     |
| Operations & Maintenance           | 137,220           | 45,740            | 35,635            | 10,106            | 22.09%        |
| Equipment Purchases                | 2,400             | 800               | 1,143             | (343)             | -42.90%       |
| Depreciation                       | 40,000            | 13,333            | 13,333            | 0                 | 0.00%         |
| <b>Subtotal Before Allocations</b> | <b>\$ 598,347</b> | <b>\$ 199,449</b> | <b>\$ 200,880</b> | <b>\$ (1,431)</b> | <b>-0.72%</b> |
| Allocation of Support Departments  | 261,289           | 87,096            | 87,539            | (443)             | -0.51%        |
| <b>Total Operating Expenses</b>    | <b>\$ 859,636</b> | <b>\$ 286,545</b> | <b>\$ 288,420</b> | <b>\$ (1,874)</b> | <b>-0.65%</b> |
| <b>Operating Surplus/(Deficit)</b> | <b>\$ 4</b>       | <b>\$ 1</b>       | <b>\$ 18,975</b>  |                   |               |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |                   |                   |                   |                 |               |
|------------------------------------|-------------------|-------------------|-------------------|-----------------|---------------|
| Debt Service Rate Revenue          | \$ 304,128        | \$ 101,376        | \$ 101,376        | \$ -            | 0.00%         |
| Trust Fund Interest                | 4,200             | 1,400             | 1,455             | 55              | 3.90%         |
| Reserve Fund Interest              | 4,800             | 1,600             | 1,386             | (214)           | -13.39%       |
| <b>Total Debt Service Revenues</b> | <b>\$ 313,128</b> | <b>\$ 104,376</b> | <b>\$ 104,216</b> | <b>\$ (160)</b> | <b>-0.15%</b> |

**Debt Service Costs**

|                                       |                   |                   |                   |               |              |
|---------------------------------------|-------------------|-------------------|-------------------|---------------|--------------|
| Total Principal & Interest            | \$ 148,127        | \$ 49,376         | \$ 49,376         | \$ -          | 0.00%        |
| Reserve Additions-Interest            | 4,800             | 1,600             | 1,386             | 214           | 13.39%       |
| Estimated New Principal & Interest    | 160,200           | 53,400            | 53,400            | -             | 0.00%        |
| <b>Total Debt Service Costs</b>       | <b>\$ 313,127</b> | <b>\$ 104,376</b> | <b>\$ 104,161</b> | <b>\$ 214</b> | <b>0.21%</b> |
| <b>Debt Service Surplus/(Deficit)</b> | <b>\$ 1</b>       | <b>\$ 0</b>       | <b>\$ 55</b>      |               |              |

**Rate Center Summary**

|                                 |              |             |                  |           |        |
|---------------------------------|--------------|-------------|------------------|-----------|--------|
| <b>Total Revenues</b>           | \$ 1,172,768 | \$ 390,923  | \$ 411,611       | \$ 20,689 | 5.29%  |
| <b>Total Expenses</b>           | 1,172,763    | 390,921     | 392,581          | (1,660)   | -0.42% |
| <b>Surplus/(Deficit)</b>        | <b>\$ 5</b>  | <b>\$ 2</b> | <b>\$ 19,030</b> |           |        |
| <b>Costs per 1000 Gallons</b>   | \$ 49.89     |             | \$ 40.32         |           |        |
| <b>Operating and DS</b>         | \$ 68.07     |             | \$ 54.88         |           |        |
| <b>Thousand Gallons Treated</b> | 17,230       | 5,743       | 7,153            | 1,410     | 24.54% |
| <b>or</b>                       |              |             |                  |           |        |
| <b>Flow (MGD)</b>               | 0.047        |             | 0.058            |           |        |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Urban Wastewater Rate Center**  
**Revenues and Expenses Summary**

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

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |                      |                     |                     |                   |              |
|---------------------------------|----------------------|---------------------|---------------------|-------------------|--------------|
| Operations Rate Revenue         | \$ 12,610,887        | \$ 4,203,629        | \$ 4,225,052        | \$ 21,423         | 0.51%        |
| Stone Robinson WWTP             | 19,654               | 6,551               | 99,769              | 93,217            | 1422.88%     |
| Septage Acceptance              | 620,000              | 206,667             | 190,183             | (16,483)          | -7.98%       |
| Nutrient Credits                | 50,000               | 16,667              | 53,777              | 37,110            | 222.66%      |
| Miscellaneous Revenue           | -                    | -                   | -                   | -                 |              |
| Interest Allocation             | 120,000              | 40,000              | 85,917              | 45,917            | 114.79%      |
| <b>Total Operating Revenues</b> | <b>\$ 13,420,541</b> | <b>\$ 4,473,514</b> | <b>\$ 4,654,698</b> | <b>\$ 181,184</b> | <b>4.05%</b> |

**Expenses**

|                                    |                      |                     |                     |                   |              |
|------------------------------------|----------------------|---------------------|---------------------|-------------------|--------------|
| Personnel Cost                     | A \$ 1,725,025       | \$ 575,008          | \$ 604,933          | \$ (29,925)       | -5.20%       |
| Professional Services              | 205,000              | 68,333              | 39,800              | 28,533            | 41.76%       |
| Other Services & Charges           | 2,742,631            | 914,210             | 830,510             | 83,700            | 9.16%        |
| Communications                     | 15,100               | 5,033               | 2,745               | 2,288             | 45.45%       |
| Information Technology             | 187,600              | 62,533              | 25,276              | 37,257            | 59.58%       |
| Supplies                           | 2,600                | 867                 | 710                 | 157               | 18.10%       |
| Operations & Maintenance           | 2,523,628            | 841,209             | 722,181             | 119,029           | 14.15%       |
| Equipment Purchases                | 73,500               | 24,500              | 24,500              | -                 | 0.00%        |
| Depreciation                       | 470,000              | 156,667             | 156,667             | (0)               | 0.00%        |
| <b>Subtotal Before Allocations</b> | <b>\$ 7,945,084</b>  | <b>\$ 2,648,361</b> | <b>\$ 2,407,323</b> | <b>\$ 241,038</b> | <b>9.10%</b> |
| Allocation of Support Departments  | 5,475,458            | 1,825,153           | 1,834,684           | (9,531)           | -0.52%       |
| <b>Total Operating Expenses</b>    | <b>\$ 13,420,542</b> | <b>\$ 4,473,514</b> | <b>\$ 4,242,007</b> | <b>\$ 231,507</b> | <b>5.18%</b> |
| <b>Operating Surplus/(Deficit)</b> | <b>\$ (1)</b>        | <b>\$ (0)</b>       | <b>\$ 412,691</b>   |                   |              |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |                      |                     |                     |                  |              |
|------------------------------------|----------------------|---------------------|---------------------|------------------|--------------|
| Debt Service Rate Revenue          | \$ 11,948,147        | \$ 3,982,716        | \$ 3,982,716        | \$ 0             | 0.00%        |
| Septage Receiving Support - County | 109,440              | 36,480              | 109,440             | 72,960           | 200.00%      |
| Trust Fund Interest                | 220,000              | 73,333              | 76,097              | 2,764            | 3.77%        |
| Reserve Fund Interest              | 675,000              | 225,000             | 201,390             | (23,610)         | -10.49%      |
| <b>Total Debt Service Revenues</b> | <b>\$ 12,952,587</b> | <b>\$ 4,317,529</b> | <b>\$ 4,369,643</b> | <b>\$ 52,114</b> | <b>1.21%</b> |

**Debt Service Costs**

|                                       |                      |                     |                     |                  |              |
|---------------------------------------|----------------------|---------------------|---------------------|------------------|--------------|
| Total Principal & Interest            | \$ 11,040,988        | \$ 3,680,329        | \$ 3,680,329        | \$ -             | 0.00%        |
| Reserve Additions-Interest            | 675,000              | 225,000             | 201,390             | 23,610           | 10.49%       |
| Debt Service Ratio Charge             | 325,000              | 108,333             | 108,333             | -                | 0.00%        |
| Est. New Debt Service - CIP Growth    | 911,600              | 303,867             | 303,867             | -                | 0.00%        |
| <b>Total Debt Service Costs</b>       | <b>\$ 12,952,588</b> | <b>\$ 4,317,529</b> | <b>\$ 4,293,919</b> | <b>\$ 23,610</b> | <b>0.55%</b> |
| <b>Debt Service Surplus/(Deficit)</b> | <b>\$ (1)</b>        | <b>\$ (0)</b>       | <b>\$ 75,724</b>    |                  |              |

**Rate Center Summary**

|                                               |                |               |                   |            |       |
|-----------------------------------------------|----------------|---------------|-------------------|------------|-------|
| <b>Total Revenues</b>                         | \$ 26,373,128  | \$ 8,791,043  | \$ 9,024,341      | \$ 233,298 | 2.65% |
| <b>Total Expenses</b>                         | 26,373,130     | 8,791,043     | 8,535,926         | 255,117    | 2.90% |
| <b>Surplus/(Deficit)</b>                      | <b>\$ (2)</b>  | <b>\$ (1)</b> | <b>\$ 488,414</b> |            |       |
| <b>Costs per 1000 Gallons</b>                 | <b>\$ 3.96</b> |               | <b>\$ 3.73</b>    |            |       |
| <b>Operating and DS</b>                       | <b>\$ 7.78</b> |               | <b>\$ 7.51</b>    |            |       |
| <b>Thousand Gallons Treated or Flow (MGD)</b> | 3,390,400      | 1,130,133     | 1,136,072         | 5,939      | 0.53% |
|                                               | 9.289          |               | 9.236             |            |       |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Glenmore Wastewater Rate Center**  
**Revenues and Expenses Summary**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |                   |                   |                   |                 |              |
|---------------------------------|-------------------|-------------------|-------------------|-----------------|--------------|
| Operations Rate Revenue         | \$ 673,248        | \$ 224,416        | \$ 224,416        | \$ -            | 0.00%        |
| Interest Allocation             | 5,500             | 1,833             | 3,870             | 2,037           | 111.10%      |
| <b>Total Operating Revenues</b> | <b>\$ 678,748</b> | <b>\$ 226,249</b> | <b>\$ 228,286</b> | <b>\$ 2,037</b> | <b>0.90%</b> |

**Expenses**

|                                    |                   |                   |                   |                  |               |
|------------------------------------|-------------------|-------------------|-------------------|------------------|---------------|
| Personnel Cost                     | \$ 142,586        | \$ 47,529         | \$ 50,287         | \$ (2,758)       | -5.80%        |
| Professional Services              | 10,000            | 3,333             | 242               | 3,092            | 92.75%        |
| Other Services & Charges           | 45,136            | 15,045            | 15,315            | (269)            | -1.79%        |
| Communications                     | 20,300            | 6,767             | 7,348             | (582)            | -8.60%        |
| Information Technology             | 53,450            | 17,817            | 13,708            | 4,109            | 23.06%        |
| Supplies                           | -                 | -                 | -                 | -                |               |
| Operations & Maintenance           | 152,435           | 50,812            | 26,504            | 24,307           | 47.84%        |
| Equipment Purchases                | 3,500             | 1,167             | 1,167             | (0)              | 0.00%         |
| Depreciation                       | 60,000            | 20,000            | 20,000            | -                | 0.00%         |
| <b>Subtotal Before Allocations</b> | <b>\$ 487,407</b> | <b>\$ 162,469</b> | <b>\$ 134,570</b> | <b>\$ 27,899</b> | <b>17.17%</b> |
| Allocation of Support Departments  | 191,344           | 63,781            | 64,003            | (222)            | -0.35%        |
| <b>Total Operating Expenses</b>    | <b>\$ 678,752</b> | <b>\$ 226,251</b> | <b>\$ 198,573</b> | <b>\$ 27,677</b> | <b>12.23%</b> |
| <b>Operating Surplus/(Deficit)</b> | <b>\$ (4)</b>     | <b>\$ (1)</b>     | <b>\$ 29,713</b>  |                  |               |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |                   |                  |                  |              |              |
|------------------------------------|-------------------|------------------|------------------|--------------|--------------|
| Debt Service Rate Revenue          | \$ 144,948        | \$ 48,316        | \$ 48,316        | \$ -         | 0.00%        |
| Trust Fund Interest                | 500               | 167              | 190              | 23           | 13.84%       |
| Reserve Fund Interest              | -                 | -                | -                | -            |              |
| <b>Total Debt Service Revenues</b> | <b>\$ 145,448</b> | <b>\$ 48,483</b> | <b>\$ 48,506</b> | <b>\$ 23</b> | <b>0.05%</b> |

**Debt Service Costs**

|                                       |                   |                  |                  |             |              |
|---------------------------------------|-------------------|------------------|------------------|-------------|--------------|
| Total Principal & Interest            | \$ 18,746         | \$ 6,249         | \$ 6,249         | \$ -        | 0.00%        |
| Estimated New Principal & Interest    | 126,700           | 42,233           | 42,233           | -           | 0.00%        |
| Reserve Additions-Interest            | -                 | -                | -                | -           |              |
| <b>Total Debt Service Costs</b>       | <b>\$ 145,446</b> | <b>\$ 48,482</b> | <b>\$ 48,482</b> | <b>\$ -</b> | <b>0.00%</b> |
| <b>Debt Service Surplus/(Deficit)</b> | <b>\$ 2</b>       | <b>\$ 1</b>      | <b>\$ 24</b>     |             |              |

**Rate Center Summary**

|                                               |               |               |                  |          |        |
|-----------------------------------------------|---------------|---------------|------------------|----------|--------|
| <b>Total Revenues</b>                         | \$ 824,196    | \$ 274,732    | \$ 276,792       | \$ 2,060 | 0.75%  |
| <b>Total Expenses</b>                         | 824,198       | 274,733       | 247,055          | 27,677   | 10.07% |
| <b>Surplus/(Deficit)</b>                      | <b>\$ (2)</b> | <b>\$ (1)</b> | <b>\$ 29,737</b> |          |        |
| <b>Costs per 1000 Gallons</b>                 | \$ 16.39      |               | \$ 12.08         |          |        |
| <b>Operating and DS</b>                       | \$ 19.91      |               | \$ 15.03         |          |        |
| <b>Thousand Gallons Treated or Flow (MGD)</b> | 41,401        | 13,800        | 16,437           | 2,637    | 19.11% |
|                                               | 0.113         |               | 0.134            |          |        |

Rivanna Water & Sewer Authority  
Monthly Financial Statements - October 2025

**Scottsville Wastewater Rate Center**  
**Revenues and Expenses Summary**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |                   |                   |                   |                 |              |
|---------------------------------|-------------------|-------------------|-------------------|-----------------|--------------|
| Operations Rate Revenue         | \$ 491,328        | \$ 163,776        | \$ 163,776        | \$ -            | 0.00%        |
| Interest Allocation             | 4,200             | 1,400             | 2,903             | 1,503           | 107.33%      |
| <i>Total Operating Revenues</i> | <b>\$ 495,528</b> | <b>\$ 165,176</b> | <b>\$ 166,679</b> | <b>\$ 1,503</b> | <b>0.91%</b> |

**Expenses**

|                                    |                   |                   |                   |                   |               |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| Personnel Cost                     | \$ 142,484        | \$ 47,495         | \$ 50,287         | \$ (2,792)        | -5.88%        |
| Professional Services              | 5,000             | 1,667             | 242               | 1,425             | 85.51%        |
| Other Services & Charges           | 30,936            | 10,312            | 12,287            | (1,975)           | -19.15%       |
| Communications                     | 6,050             | 2,017             | 105               | 1,912             | 94.81%        |
| Information Technology             | 54,750            | 18,250            | 1,572             | 16,678            | 91.39%        |
| Supplies                           | -                 | -                 | -                 | -                 |               |
| Operations & Maintenance           | 53,680            | 17,893            | 33,958            | (16,065)          | -89.78%       |
| Equipment Purchases                | 3,500             | 1,167             | 1,167             | (0)               | 0.00%         |
| Depreciation                       | 20,000            | 6,667             | 6,667             | (0)               | 0.00%         |
| <i>Subtotal Before Allocations</i> | <b>\$ 316,400</b> | <b>\$ 105,467</b> | <b>\$ 106,283</b> | <b>\$ (816)</b>   | <b>-0.77%</b> |
| Allocation of Support Departments  | 179,127           | 59,709            | 59,893            | (184)             | -0.31%        |
| <i>Total Operating Expenses</i>    | <b>\$ 495,527</b> | <b>\$ 165,176</b> | <b>\$ 166,176</b> | <b>\$ (1,000)</b> | <b>-0.61%</b> |
| <i>Operating Surplus/(Deficit)</i> | <b>\$ 1</b>       | <b>\$ 0</b>       | <b>\$ 503</b>     |                   |               |

**Debt Service Budget vs. Actual**

**Revenues**

|                                    |                  |                  |                  |              |              |
|------------------------------------|------------------|------------------|------------------|--------------|--------------|
| Debt Service Rate Revenue          | \$ 55,428        | \$ 18,476        | \$ 18,476        | \$ -         | 0.00%        |
| Trust Fund Interest                | 200              | 67               | 63               | (3)          | -5.14%       |
| Reserve Fund Interest              | 4,000            | 1,333            | 1,386            | 52           | 3.93%        |
| <i>Total Debt Service Revenues</i> | <b>\$ 59,628</b> | <b>\$ 19,876</b> | <b>\$ 19,925</b> | <b>\$ 49</b> | <b>0.25%</b> |

**Debt Service Costs**

|                                       |                  |                  |                  |                |               |
|---------------------------------------|------------------|------------------|------------------|----------------|---------------|
| Total Principal & Interest            | \$ 6,526         | \$ 2,175         | \$ 2,175         | \$ -           | 0.00%         |
| Reserve Additions-Interest            | 4,000            | 1,333            | 1,386            | (52)           | -3.93%        |
| Estimated New Principal & Interest    | 49,100           | 16,367           | 16,367           | -              | 0.00%         |
| <i>Total Debt Service Costs</i>       | <b>\$ 59,626</b> | <b>\$ 19,875</b> | <b>\$ 19,928</b> | <b>\$ (52)</b> | <b>-0.26%</b> |
| <i>Debt Service Surplus/(Deficit)</i> | <b>\$ 2</b>      | <b>\$ 1</b>      | <b>\$ (3)</b>    |                |               |

**Rate Center Summary**

|                                 |             |             |               |          |         |
|---------------------------------|-------------|-------------|---------------|----------|---------|
| <b>Total Revenues</b>           | \$ 555,156  | \$ 185,052  | \$ 186,604    | \$ 1,552 | 0.84%   |
| <b>Total Expenses</b>           | 555,153     | 185,051     | 186,104       | (1,053)  | -0.57%  |
| <b>Surplus/(Deficit)</b>        | <b>\$ 3</b> | <b>\$ 1</b> | <b>\$ 500</b> |          |         |
| <b>Costs per 1000 Gallons</b>   | \$ 20.96    |             | \$ 26.44      |          |         |
| <b>Operating and DS</b>         | \$ 23.48    |             | \$ 29.61      |          |         |
| <b>Thousand Gallons Treated</b> | 23,643      | 7,881       | 6,285         | (1,596)  | -20.25% |
| <b>or</b>                       |             |             |               |          |         |
| <b>Flow (MGD)</b>               | 0.065       |             | 0.051         |          |         |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Administration and Communication**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

|                          |   | Notes |           |    |         |    |         |    |          |           |
|--------------------------|---|-------|-----------|----|---------|----|---------|----|----------|-----------|
| Revenues                 |   |       |           |    |         |    |         |    |          |           |
| Payment for Services SWA |   | \$    | 417,000   | \$ | 139,000 | \$ | 139,131 | \$ | 131      | 0.09%     |
| Miscellaneous Revenue    |   |       | -         |    | -       |    | 216     |    | 216      |           |
| Total Operating Revenues |   | \$    | 417,000   | \$ | 139,000 | \$ | 139,347 | \$ | 347      | 0.25%     |
| Expenses                 |   |       |           |    |         |    |         |    |          |           |
| Personnel Cost           | A | \$    | 1,657,525 | \$ | 552,508 | \$ | 605,124 | \$ | (52,615) | -9.52%    |
| Professional Services    | C |       | 103,950   |    | 34,650  |    | 58,571  |    | (23,921) | -69.04%   |
| Other Services & Charges |   |       | 162,450   |    | 54,150  |    | 51,568  |    | 2,582    | 4.77%     |
| Communications           |   |       | 9,200     |    | 3,067   |    | 1,141   |    | 1,926    | 62.80%    |
| Information Technology   | E |       | 5,700     |    | 1,900   |    | 21,538  |    | (19,638) | -1033.56% |
| Supplies                 |   |       | 19,600    |    | 6,533   |    | 5,242   |    | 1,292    | 19.77%    |
| Operations & Maintenance |   |       | 66,050    |    | 22,017  |    | 21,211  |    | 806      | 3.66%     |
| Equipment Purchases      |   |       | 9,000     |    | 3,000   |    | 3,000   |    | -        | 0.00%     |
| Depreciation             |   |       | -         |    | -       |    | -       |    | -        |           |
| Total Operating Expenses |   | \$    | 2,033,475 | \$ | 677,825 | \$ | 767,394 | \$ | (89,569) | -13.21%   |

**Department Summary**

|                                               |         |           |                    |           |                  |           |                  |           |               |                |
|-----------------------------------------------|---------|-----------|--------------------|-----------|------------------|-----------|------------------|-----------|---------------|----------------|
| <b>Net Costs Allocable to Rate Centers</b>    |         | <b>\$</b> | <b>(1,616,475)</b> | <b>\$</b> | <b>(538,825)</b> | <b>\$</b> | <b>(628,047)</b> | <b>\$</b> | <b>89,222</b> | <b>-16.56%</b> |
| <b><u>Allocations to the Rate Centers</u></b> |         |           |                    |           |                  |           |                  |           |               |                |
| Urban Water                                   | 44.00%  | \$        | 711,249            | \$        | 237,083          | \$        | 276,341          | \$        | (39,258)      |                |
| Crozet Water                                  | 4.00%   | \$        | 64,659             |           | 21,553           |           | 25,122           |           | (3,569)       |                |
| Scottsville Water                             | 2.00%   | \$        | 32,330             |           | 10,777           |           | 12,561           |           | (1,784)       |                |
| Urban Wastewater                              | 48.00%  | \$        | 775,908            |           | 258,636          |           | 301,463          |           | (42,827)      |                |
| Glenmore Wastewater                           | 1.00%   | \$        | 16,165             |           | 5,388            |           | 6,280            |           | (892)         |                |
| Scottsville Wastewater                        | 1.00%   | \$        | 16,165             |           | 5,388            |           | 6,280            |           | (892)         |                |
|                                               | 100.00% | \$        | 1,616,475          | \$        | 538,825          | \$        | 628,047          | \$        | (89,222)      |                |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Finance and Information Technology**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                           |           |                |           |                |           |                |           |              |              |
|-------------------------------------------|-----------|----------------|-----------|----------------|-----------|----------------|-----------|--------------|--------------|
| Payment for Services SWA                  | \$        | 581,000        | \$        | 193,667        | \$        | 193,667        | \$        | 0            | 0.00%        |
| Bond Proceeds Funding Bond Issuance Costs |           | -              |           | -              |           | -              |           | -            |              |
| Miscellaneous Revenue                     |           | -              |           | -              |           | 6,817          |           | 6,817        |              |
| <b>Total Operating Revenues</b>           | <b>\$</b> | <b>581,000</b> | <b>\$</b> | <b>193,667</b> | <b>\$</b> | <b>200,484</b> | <b>\$</b> | <b>6,817</b> | <b>3.52%</b> |

**Expenses**

|                                 |          |           |                  |           |                  |           |                  |           |               |              |
|---------------------------------|----------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|---------------|--------------|
| Personnel Cost                  | <b>A</b> | \$        | 2,411,906        | \$        | 803,969          | \$        | 830,221          | \$        | (26,252)      | -3.27%       |
| Professional Services           |          |           | 47,000           |           | 15,667           |           | 8,431            |           | 7,235         | 46.18%       |
| Other Services & Charges        |          |           | 55,200           |           | 18,400           |           | 12,810           |           | 5,590         | 30.38%       |
| Communication                   | <b>D</b> |           | 73,900           |           | 24,633           |           | 38,703           |           | (14,070)      | -57.12%      |
| Information Technology          |          |           | 1,550,650        |           | 516,883          |           | 436,300          |           | 80,584        | 15.59%       |
| Supplies                        |          |           | 14,000           |           | 4,667            |           | 4,684            |           | (18)          | -0.38%       |
| Operations & Maintenance        |          |           | 5,000            |           | 1,667            |           | 7,619            |           | (5,953)       | -357.15%     |
| Equipment Purchases             |          |           | 7,500            |           | 2,500            |           | 2,500            |           | -             | 0.00%        |
| Depreciation                    |          |           | -                |           | -                |           | -                |           | -             |              |
| <b>Total Operating Expenses</b> |          | <b>\$</b> | <b>4,165,156</b> | <b>\$</b> | <b>1,388,385</b> | <b>\$</b> | <b>1,341,268</b> | <b>\$</b> | <b>47,117</b> | <b>3.39%</b> |

**Department Summary**

**Net Costs Allocable to Rate Centers**      **\$ (3,584,156) \$ (1,194,719) \$ (1,140,785) \$ (53,934) 4.51%**

**Allocations to the Rate Centers**

|                        |         |           |                  |           |                  |           |                  |           |               |
|------------------------|---------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|---------------|
| Urban Water            | 44.00%  | \$        | 1,577,029        | \$        | 525,676          | \$        | 501,945          | \$        | 23,731        |
| Crozet Water           | 4.00%   | \$        | 143,366          |           | 47,789           |           | 45,631           |           | 2,157         |
| Scottsville Water      | 2.00%   | \$        | 71,683           |           | 23,894           |           | 22,816           |           | 1,079         |
| Urban Wastewater       | 48.00%  | \$        | 1,720,395        |           | 573,465          |           | 547,577          |           | 25,888        |
| Glenmore Wastewater    | 1.00%   | \$        | 35,842           |           | 11,947           |           | 11,408           |           | 539           |
| Scottsville Wastewater | 1.00%   | \$        | 35,842           |           | 11,947           |           | 11,408           |           | 539           |
|                        | 100.00% | <b>\$</b> | <b>3,584,156</b> | <b>\$</b> | <b>1,194,719</b> | <b>\$</b> | <b>1,140,785</b> | <b>\$</b> | <b>53,934</b> |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Maintenance**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |           |          |           |          |           |              |           |              |
|---------------------------------|-----------|----------|-----------|----------|-----------|--------------|-----------|--------------|
| Payment for Services SWA        | \$        | -        | \$        | -        | \$        | -            | \$        | -            |
| Miscellaneous Revenue           |           | -        |           | -        |           | 1,206        |           | 1,206        |
| <b>Total Operating Revenues</b> | <b>\$</b> | <b>-</b> | <b>\$</b> | <b>-</b> | <b>\$</b> | <b>1,206</b> | <b>\$</b> | <b>1,206</b> |

**Expenses**

|                                 |     |           |                  |           |                |           |                |           |                |               |
|---------------------------------|-----|-----------|------------------|-----------|----------------|-----------|----------------|-----------|----------------|---------------|
| Personnel Cost                  | A,B | \$        | 1,836,099        | \$        | 612,033        | \$        | 645,031        | \$        | (32,998)       | -5.39%        |
| Professional Services           |     |           | 10,000           |           | 3,333          |           | 150            |           | 3,183          | 95.50%        |
| Other Services & Charges        |     |           | 40,350           |           | 13,450         |           | 9,057          |           | 4,393          | 32.66%        |
| Communications                  |     |           | 20,000           |           | 6,667          |           | 4,128          |           | 2,539          | 38.08%        |
| Information Technology          |     |           | 7,500            |           | 2,500          |           | 2,359          |           | 141            | 5.66%         |
| Supplies                        |     |           | 3,500            |           | 1,167          |           | -              |           | 1,167          | 100.00%       |
| Operations & Maintenance        | F   |           | 130,300          |           | 43,433         |           | 63,756         |           | (20,323)       | -46.79%       |
| Equipment Purchases             |     |           | 395,750          |           | 131,917        |           | 98,753         |           | 33,164         | 25.14%        |
| Depreciation                    |     |           | -                |           | -              |           | -              |           | -              |               |
| <b>Total Operating Expenses</b> |     | <b>\$</b> | <b>2,443,499</b> | <b>\$</b> | <b>814,500</b> | <b>\$</b> | <b>823,234</b> | <b>\$</b> | <b>(8,734)</b> | <b>-1.07%</b> |

**Department Summary**

|                                               |         |           |                    |           |                  |           |                  |           |                |               |
|-----------------------------------------------|---------|-----------|--------------------|-----------|------------------|-----------|------------------|-----------|----------------|---------------|
| <b>Net Costs Allocable to Rate Centers</b>    |         | <b>\$</b> | <b>(2,443,499)</b> | <b>\$</b> | <b>(814,500)</b> | <b>\$</b> | <b>(822,027)</b> | <b>\$</b> | <b>9,940</b>   | <b>-1.22%</b> |
| <b><u>Allocations to the Rate Centers</u></b> |         |           |                    |           |                  |           |                  |           |                |               |
| Urban Water                                   | 30.00%  | \$        | 733,050            | \$        | 244,350          | \$        | 246,608          | \$        | (2,258)        |               |
| Crozet Water                                  | 3.50%   |           | 85,522             |           | 28,507           |           | 28,771           |           | (263)          |               |
| Scottsville Water                             | 3.50%   |           | 85,522             |           | 28,507           |           | 28,771           |           | (263)          |               |
| Urban Wastewater                              | 56.50%  |           | 1,380,577          |           | 460,192          |           | 464,445          |           | (4,253)        |               |
| Glenmore Wastewater                           | 3.50%   |           | 85,522             |           | 28,507           |           | 28,771           |           | (263)          |               |
| Scottsville Wastewater                        | 3.00%   |           | 73,305             |           | 24,435           |           | 24,661           |           | (226)          |               |
|                                               | 100.00% | <b>\$</b> | <b>2,443,499</b>   | <b>\$</b> | <b>814,500</b>   | <b>\$</b> | <b>822,027</b>   | <b>\$</b> | <b>(7,528)</b> |               |

Rivanna Water & Sewer Authority  
Monthly Financial Statements - October 2025

**Laboratory**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Revenues Notes

N/A

**Expenses**

|                                 |                   |                   |                   |                 |              |
|---------------------------------|-------------------|-------------------|-------------------|-----------------|--------------|
| Personnel Cost                  | \$ 503,003        | \$ 167,668        | \$ 168,104        | \$ (436)        | -0.26%       |
| Professional Services           | -                 | -                 | -                 | -               |              |
| Other Services & Charges        | 9,800             | 3,267             | 2,955             | 312             | 9.55%        |
| Communications                  | 800               | 267               | 5,263             | (4,996)         | -1873.46%    |
| Information Technology          | -                 | -                 | -                 | -               |              |
| Supplies                        | 2,300             | 767               | 1,699             | (932)           | -121.58%     |
| Operations & Maintenance        | 146,357           | 48,786            | 39,744            | 9,042           | 18.53%       |
| Equipment Purchases             | 3,900             | 1,300             | 1,564             | (264)           | -20.33%      |
| Depreciation                    | -                 | -                 | -                 | -               |              |
| <b>Total Operating Expenses</b> | <b>\$ 666,160</b> | <b>\$ 222,053</b> | <b>\$ 219,327</b> | <b>\$ 2,726</b> | <b>1.23%</b> |

**Department Summary**

|                                               |         |                     |                     |                     |                   |              |
|-----------------------------------------------|---------|---------------------|---------------------|---------------------|-------------------|--------------|
| <b>Net Costs Allocable to Rate Centers</b>    |         | <b>\$ (666,160)</b> | <b>\$ (222,053)</b> | <b>\$ (219,327)</b> | <b>\$ (2,726)</b> | <b>1.23%</b> |
| <b><u>Allocations to the Rate Centers</u></b> |         |                     |                     |                     |                   |              |
| Urban Water                                   | 44.00%  | \$ 293,110          | \$ 97,703           | \$ 96,504           | \$ 1,199          |              |
| Crozet Water                                  | 4.00%   | 26,646              | 8,882               | 8,773               | 109               |              |
| Scottsville Water                             | 2.00%   | 13,323              | 4,441               | 4,387               | 55                |              |
| Urban Wastewater                              | 47.00%  | 313,095             | 104,365             | 103,084             | 1,281             |              |
| Glenmore Wastewater                           | 1.50%   | 9,992               | 3,331               | 3,290               | 41                |              |
| Scottsville Wastewater                        | 1.50%   | 9,992               | 3,331               | 3,290               | 41                |              |
|                                               | 100.00% | <b>\$ 666,160</b>   | <b>\$ 222,053</b>   | <b>\$ 219,327</b>   | <b>\$ 2,726</b>   |              |

**Rivanna Water & Sewer Authority**  
**Monthly Financial Statements - October 2025**

**Engineering**

| <i>Budget<br/>FY 2026</i> | <i>Budget<br/>Year-to-Date</i> | <i>Actual<br/>Year-to-Date</i> | <i>Budget<br/>vs. Actual</i> | <i>Variance<br/>Percentage</i> |
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|
|---------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|

**Operating Budget vs. Actual**

Notes

**Revenues**

|                                 |    |   |    |   |    |               |    |               |
|---------------------------------|----|---|----|---|----|---------------|----|---------------|
| Payment for Services SWA        | \$ | - | \$ | - | \$ | 10,463        | \$ | 10,463        |
| <i>Total Operating Revenues</i> | \$ | - | \$ | - | \$ | <b>10,463</b> | \$ | <b>10,463</b> |

**Expenses**

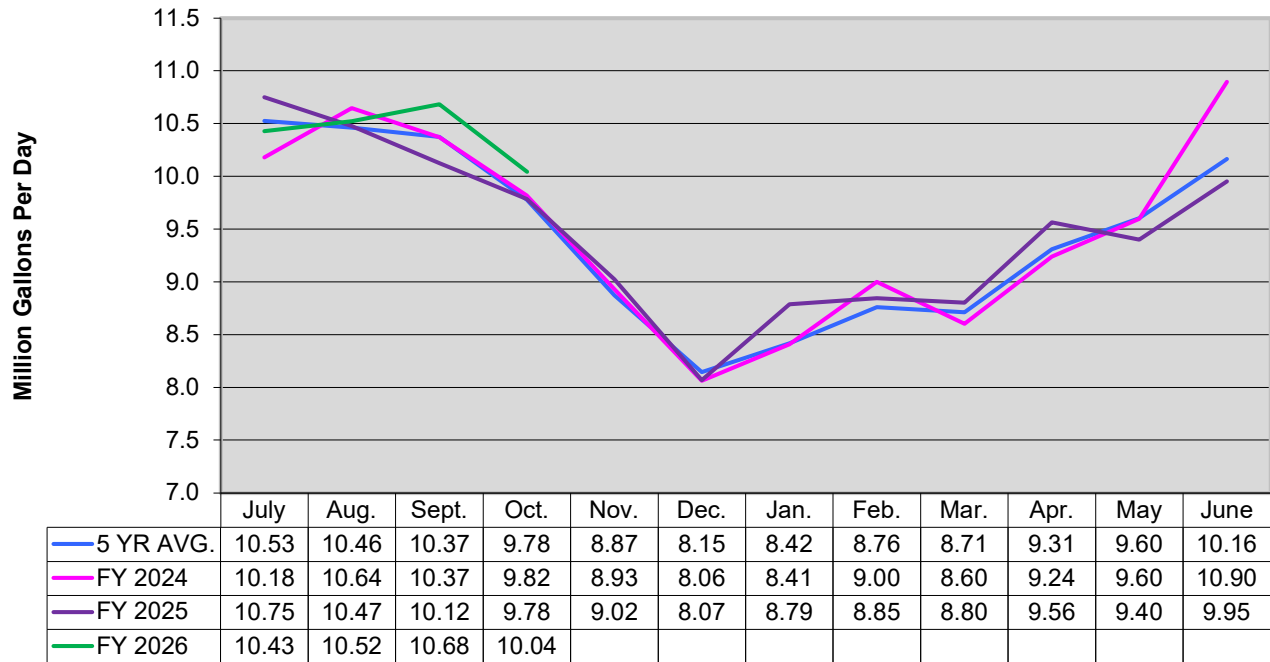
|                                 |    |                     |    |                   |    |                   |    |                  |              |
|---------------------------------|----|---------------------|----|-------------------|----|-------------------|----|------------------|--------------|
| Personnel Cost                  | \$ | 2,407,282           | \$ | 802,427           | \$ | 781,543           | \$ | 20,884           | 2.60%        |
| Professional Services           |    | 142,000             |    | 47,333            |    | 37,635            |    | 9,698            | 20.49%       |
| Other Services & Charges        |    | 26,875              |    | 8,958             |    | 11,153            |    | (2,195)          | -24.50%      |
| Communications                  |    | 20,628              |    | 6,876             |    | 2,794             |    | 4,082            | 59.37%       |
| Information Technology          | E  | 220,230             |    | 73,410            |    | 86,643            |    | (13,233)         | -18.03%      |
| Supplies                        |    | 6,700               |    | 2,233             |    | 3,599             |    | (1,366)          | -61.16%      |
| Operations & Maintenance        |    | 76,338              |    | 25,446            |    | 30,191            |    | (4,745)          | -18.65%      |
| Equipment Purchases             |    | 21,500              |    | 7,167             |    | 7,167             |    | 0                | 0.00%        |
| Depreciation                    |    | -                   |    | -                 |    | -                 |    | -                |              |
| <i>Total Operating Expenses</i> |    | <b>\$ 2,921,553</b> |    | <b>\$ 973,851</b> |    | <b>\$ 960,725</b> |    | <b>\$ 13,125</b> | <b>1.35%</b> |

**Department Summary**

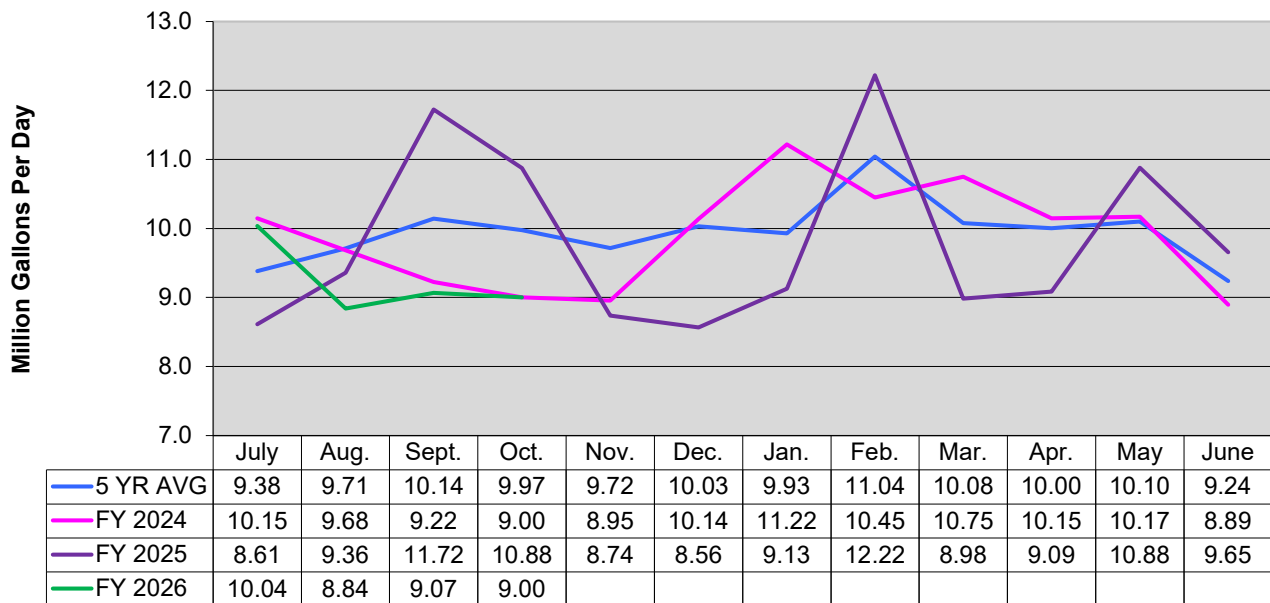
|                                               |         |                       |                     |                     |                   |              |
|-----------------------------------------------|---------|-----------------------|---------------------|---------------------|-------------------|--------------|
| <b>Net Costs Allocable to Rate Centers</b>    |         | <b>\$ (2,921,553)</b> | <b>\$ (973,851)</b> | <b>\$ (950,263)</b> | <b>\$ (2,663)</b> | <b>0.27%</b> |
| <b><u>Allocations to the Rate Centers</u></b> |         |                       |                     |                     |                   |              |
| Urban Water                                   | 47.00%  | \$ 1,373,130          | \$ 457,710          | \$ 446,623          | \$ 11,086         |              |
| Crozet Water                                  | 4.00%   | 116,862               | 38,954              | 38,011              | 944               |              |
| Scottsville Water                             | 2.00%   | 58,431                | 19,477              | 19,005              | 472               |              |
| Urban Wastewater                              | 44.00%  | 1,285,483             | 428,494             | 418,116             | 10,379            |              |
| Glenmore Wastewater                           | 1.50%   | 43,823                | 14,608              | 14,254              | 354               |              |
| Scottsville Wastewater                        | 1.50%   | 43,823                | 14,608              | 14,254              | 354               |              |
|                                               | 100.00% | <b>\$ 2,921,553</b>   | <b>\$ 973,851</b>   | <b>\$ 950,263</b>   | <b>\$ 23,588</b>  |              |

# Rivanna Water and Sewer Authority Flow Graphs

## Urban Water Flows



## Urban Wastewater Flows



## MEMORANDUM

**TO:** RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS

**FROM:** JEFF SOUTHWORTH, MANAGER OF INFORMATION TECHNOLOGY

**REVIEWED BY:** DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR  
BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** INFORMATION TECHNOLOGY REPORT

**DATE:** DECEMBER 16, 2025

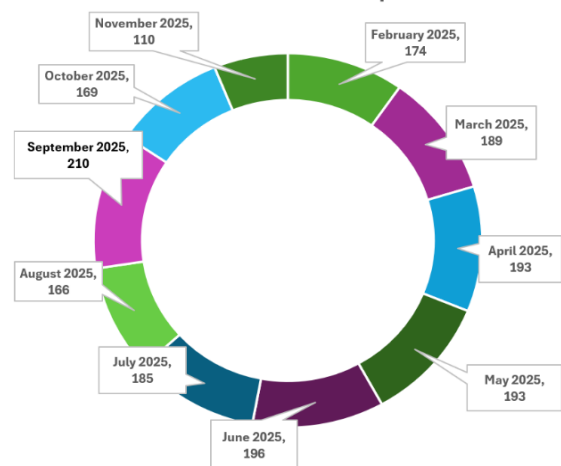
### INFRASTRUCTURE – CORE SYSTEMS

**Background:** Includes network operations, system administration, software and hardware deployment, and security management.

**Last month the team:**

- Resolved **110** Service Desk Tickets
- Deployed **4** replacement desktops

Service Desk Ticket Comparison



### SCADA / OPERATIONAL SYSTEMS

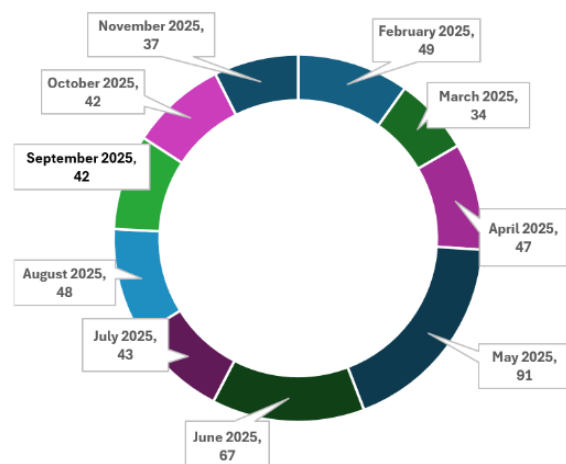
(SUPERVISORY CONTROLS AND DATA ACQUISITION)

**Background:** Oversight includes PLCs, operational data collection and software applications for water and wastewater operations.

**Last month the team:**

- Completed **37** SCADA service desk requests

Service Desk Ticket Comparison  
SCADA

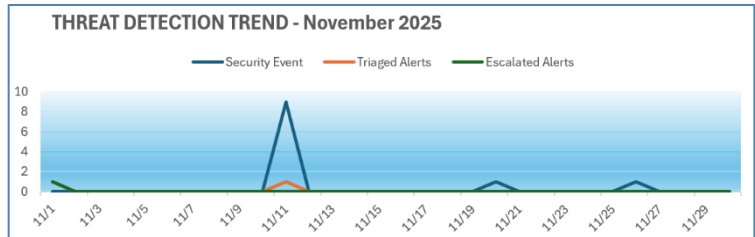


## DIGITAL & PHYSICAL SECURITY - NOVEMBER

**Background:** Network Firewall Security for 28 Devices

**In November there were:**

- **1.1B** Security logs Analyzed for suspicious network traffic
- **12** Threat Detections – All blocked
- **2** Categorized Security Alerts resolved
- **1** Escalated Alert – resolved
- **Spike was from Malicious Phishing Campaign**

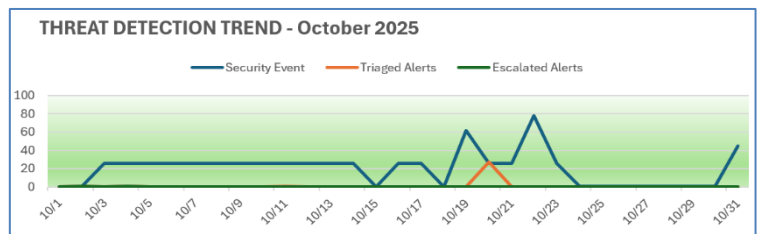


## DIGITAL & PHYSICAL SECURITY - OCTOBER

**Background:** Network Firewall Security for 28 Devices

**In October there were:**

- **706.5M** Security logs Analyzed for suspicious network traffic
- **936** Threat Detections – All blocked
- **30** Categorized Security Alerts resolved
- **Spikes were from Malicious Phishing Campaigns**



## GIS (GEOGRAPHICAL INFORMATION SYSTEMS)

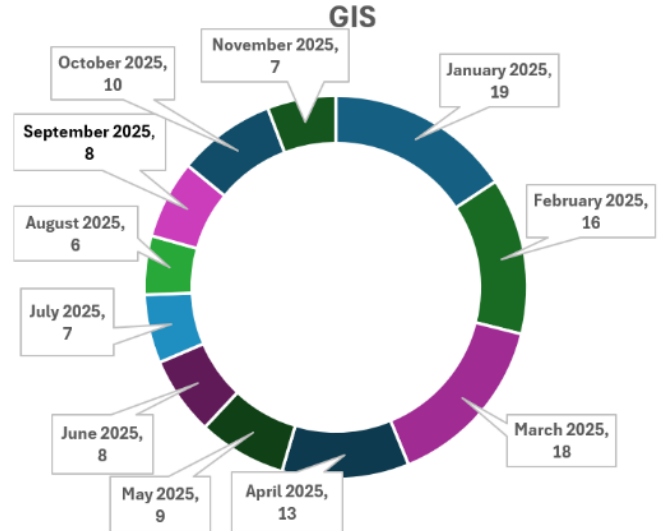
**Background:** Strategic data system that collects, processes, manages, and displays spatial data that supports engineering and maintenance workflows. Our system is managed by the RWSA GIS Coordinator.

### Last month the GIS Coordinator:

- Digitalized **30** features (points, lines, polygons)
- Completed **73** Daily Inspection reports (for CIPs)
- Processed **38** MISS Utility reports
- Processed **7** Water inspections (GIS attributes adjusted)
- Processed **36** Sewer inspections
- Completed **9** Internal map requests
- Completed **18** Drone site visits for pictures of CIPs

We upgraded our ArcEnterprise software system from 11.0 to 11.3 and incorporated new feature of Electric Meters (Dominion Power meters) to RWSA sites for ease of troubleshooting connectivity

## Service Desk Ticket Comparison



## IT Department's Large Project Participation

### Infrastructure

**In progress:** MC Administration Building renovations – we have successfully migrated our administrative servers to the Private Cloud (Iron Mountain). We have completed the update to our network configurations at Moores Creek to accommodate the temporary server room to house our network equipment and to the temporary Admin and IT trailers.

### SCADA System

**In progress:** Continuing our support for the capital improvement projects throughout the authorities including replacement of the main PLC at the SRWTP, Red Hill WTP renovations, Crozet Pump FET remediation. We are working on our ICS-CxA Commissioning contract specifications for our vendors.

## 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 NOVEMBER 2025**

**DATE: DECEMBER 16, 2025**

### WATER OPERATIONS:

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

| <i><b>Water Treatment Plant</b></i> | <i><b>Average Daily<br/>Production (MGD)</b></i> | <i><b>Maximum Daily<br/>Production in the<br/>Month (MGD)</b></i> |
|-------------------------------------|--------------------------------------------------|-------------------------------------------------------------------|
| South Rivanna                       | 8.03                                             | 9.08 (11/8/2025)                                                  |
| Observatory                         | 1.03                                             | 3.30 (11/3/2025)                                                  |
| North Rivanna                       | <u>0.05</u>                                      | <u>0.15 (11/11/2025)</u>                                          |
| <i><b>Urban Total</b></i>           | 9.11                                             | 11.75 (11/5/2025)                                                 |
| Crozet                              | 0.59                                             | 0.71 (11/17/2025)                                                 |
| Scottsville                         | 0.06                                             | 0.07 (11/9/2025)                                                  |
| Red Hill                            | <u>0.002</u>                                     | 0.003 (11/14/2025)                                                |
| <i><b>RWSA Total</b></i>            | 9.76                                             | -                                                                 |

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

### Status of Reservoirs (as of December 9, 2025):

- Urban Reservoirs are 93% of Total Useable Capacity
  - South Rivanna Reservoir is 100% full
  - Ragged Mountain Reservoir is 88% full
- Sugar Hollow Reservoir is 95% full
- Beaver Creek Reservoir (Crozet) is 100% 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 November 2025. Performance of the WRRFs in November was as follows compared to the respective VDEQ permit limits:

| <i><b>WRRF</b></i>    | <i><b>Average Daily Effluent Flow (MGD)</b></i> | <i><b>Average CBOD<sub>5</sub> (ppm)</b></i> |                     | <i><b>Average Total Suspended Solids (ppm)</b></i> |                     | <i><b>Average Ammonia (ppm)</b></i> |                     |
|-----------------------|-------------------------------------------------|----------------------------------------------|---------------------|----------------------------------------------------|---------------------|-------------------------------------|---------------------|
|                       |                                                 | <i><b>RESULT</b></i>                         | <i><b>LIMIT</b></i> | <i><b>RESULT</b></i>                               | <i><b>LIMIT</b></i> | <i><b>RESULT</b></i>                | <i><b>LIMIT</b></i> |
| <b>Moore's Creek</b>  | 8.00                                            | <QL                                          | 9                   | <QL                                                | 22                  | <QL                                 | 2.2                 |
| <b>Glenmore</b>       | 0.138                                           | 3                                            | 15                  | 4.6                                                | 30                  | NR                                  | NL                  |
| <b>Scottsville</b>    | 0.042                                           | <QL                                          | 25                  | 3.7                                                | 30                  | NR                                  | NL                  |
| <b>Stone Robinson</b> | 0.0019                                          | 7                                            | 30                  | 3.5                                                | 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 Moore's Creek AWRRF were as follows for November 2025.

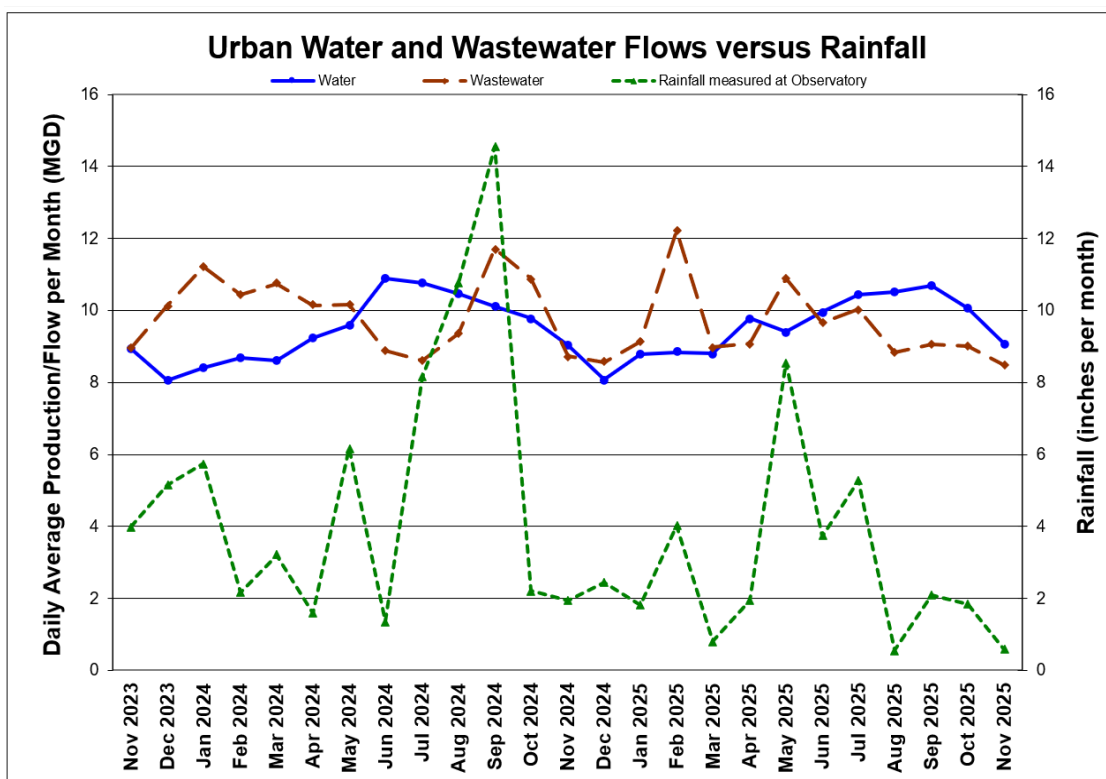
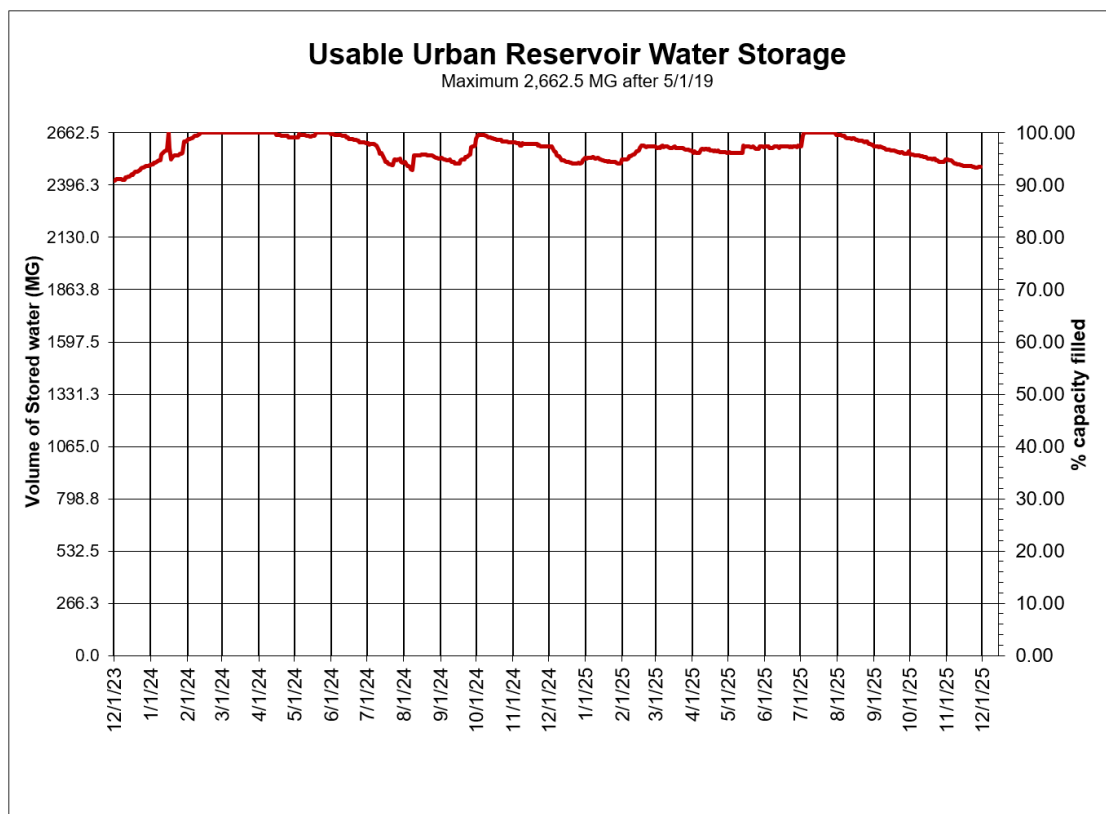
| <i><b>State Annual Allocation (lb./yr.) Permit</b></i> |         | <i><b>Average Monthly Allocation (lb./mo.) *</b></i> | <i><b>Moore's Creek Discharge October (lb./mo.)</b></i> | <i><b>Performance as % of monthly average Allocation *</b></i> | <i><b>Year to Date Performance as % of annual allocation</b></i> |
|--------------------------------------------------------|---------|------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|
| <b>Nitrogen</b>                                        | 282,994 | 23,583                                               | 5,851                                                   | 25%                                                            | 32%                                                              |
| <b>Phosphorous</b>                                     | 18,525  | 1,636                                                | 410                                                     | 25%                                                            | 16%                                                              |

\*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



**TO:** RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS

**FROM:** BETHANY HOUCHENS, WATER RESOURCES COORDINATOR

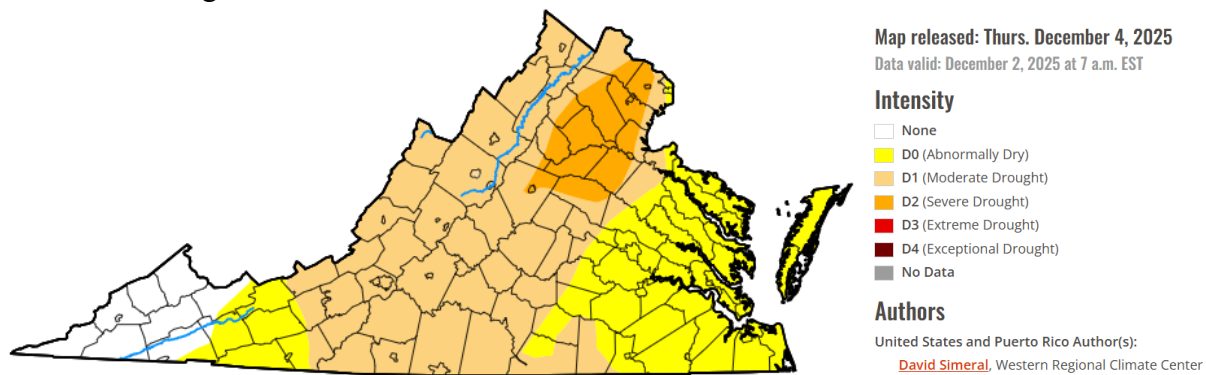
**REVIEWED:** DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR  
BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** DROUGHT MONITORING REPORT

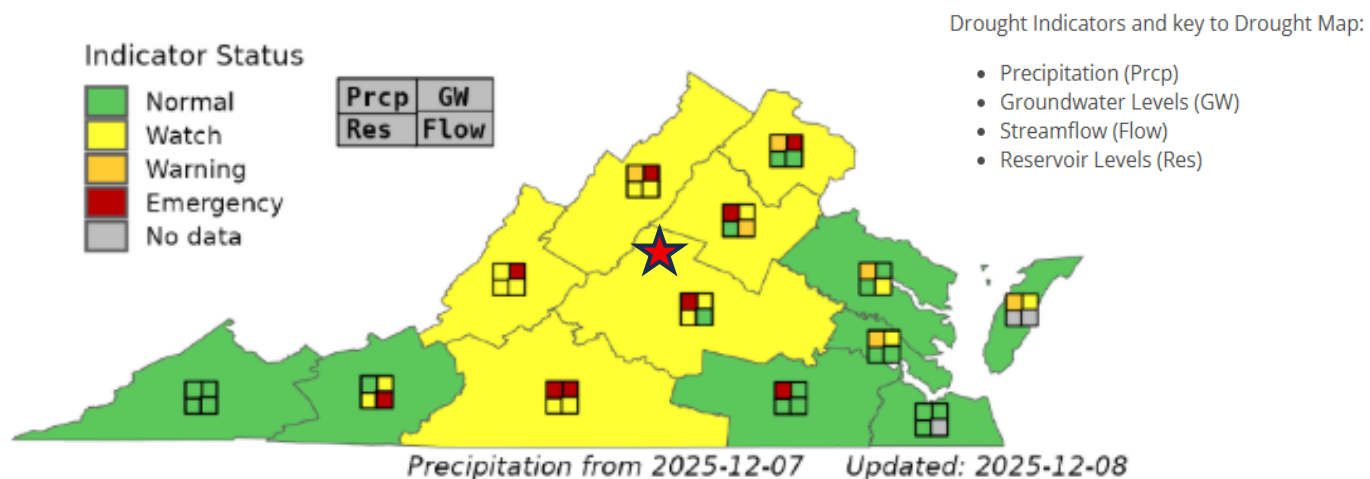
**DATE:** DECEMBER 16, 2025

### State and Federal Drought Monitoring as of December 4, 2025:

- U.S. Drought Monitoring Report: Indicates most of Albemarle County is in a moderate drought condition. A portion of northeastern Albemarle and the City of Charlottesville are in severe drought conditions.



- VDEQ Drought Status Report: Our region is listed as being in a “Normal” level for streamflow. Groundwater and reservoir levels are in a “Watch” status. Precipitation is in an “Emergency” status.



Charlottesville and Albemarle County

## **Precipitation & Stream Flows**

| Charlottesville Precipitation |           |                   |              |                    |                             |
|-------------------------------|-----------|-------------------|--------------|--------------------|-----------------------------|
| Year                          | Month     | Observed<br>(in.) | Normal (in.) | Departure<br>(in.) | Comparison to<br>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-Nov   | 30.99             | 38.57        | -7.58              | -20                         |

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

| USGS Stream Gaging Station Near the Urban Area (Nov 27-Dec 3) |                                |      |                 |      |
|---------------------------------------------------------------|--------------------------------|------|-----------------|------|
| Gage Name                                                     | Rolling 7-day Avg. Stream Flow |      | 2024            |      |
|                                                               |                                |      | Mean Streamflow |      |
|                                                               | cfs                            | mgd  | cfs             | mgd  |
| Mechums River                                                 | 31.7                           | 20.5 | 46.1            | 29.8 |
| Moormans River                                                | 11.7                           | 7.5  | 21.8            | 14.1 |
| NF Rivanna River                                              | 26.5                           | 17.2 | 39.1            | 25.2 |
| SF Rivanna River                                              | 49.7                           | 32.1 | 92.6            | 59.9 |

Mean streamflow for Nov 27<sup>th</sup> - Dec 3<sup>th</sup> 2024

## **Status of Reservoirs as of Dec 9, 2025**

- Urban Reservoirs are 93.22% of Total Useable Capacity
- Beaver Creek Reservoir (Crozet) is 100% 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 WHITAKER, DIRECTOR OF ENGINEERING &  
MAINTENANCE**

**REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR  
BILL MAWYER, EXECUTIVE DIRECTOR**

**SUBJECT: WHOLESALE METERING REPORT FOR NOVEMBER 2025**

**DATE: DECEMBER 16, 2025**

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

|                    |  | <i>Month</i>       | <i>Daily Average</i> |              |
|--------------------|--|--------------------|----------------------|--------------|
| City Usage (gal)   |  | 133,974,440        | 4,465,815            | <b>49.1%</b> |
| ACSA Usage (gal)   |  | 138,640,982        | 4,621,366            | <b>50.9%</b> |
| <b>Total (gal)</b> |  | <b>272,615,422</b> | <b>9,087,181</b>     |              |

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 December 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.

[illegible][illegible]

**MEMORANDUM**

**TO: RIVANNA WATER AND SEWER AUTHORITY  
BOARD OF DIRECTORS**

**FROM: DANIEL CAMPBELL, DIRECTOR OF OPERATIONS &  
ENVIRONMENTAL SERVICES**

**REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR  
BILL MAWYER, EXECUTIVE DIRECTOR**

**SUBJECT: APPROVAL OF A TERM CONTRACT FOR BIOSOLIDS  
PROCESSING– MCGILL ENVIRONMENTAL**

**DATE: DECEMBER 16, 2025**

This request is to authorize execution of a new term contract for biosolids processing with McGill Environmental totaling about \$1 M per year.

McGill Environmental currently provides biosolid disposal services for RWSA. In 2024, McGill processed approximately 13,300 tons of digested biosolids from Moores Creek and 1,600 tons of water treatment plant residuals.

At the August 2025 Board of Directors meeting, the Executive Director presented information to the Board that McGill Environmental was implementing a cost increase of 58.2% for biosolids processing (from \$37.83 per ton to \$65.00 per ton) resulting in an annual cost increase of approximately \$400,000. Staff decided to establish a new biosolids processing agreement with McGill for 24 months, with the option of three additional one-year renewals. This new agreement would include the current pricing at \$65.00 per ton for the first year. Following the first year, and for each additional year the agreement is renewed, the processing cost (per ton) will increase by 6%. Using the 2024 biosolids and water treatment plant residual volumes, the estimated processing cost for the duration of the agreement is outlined below:

| <b>Cost<br/>(based on 15,000 tons)</b> | <b>Year 1</b> | <b>Year 2</b> | <b>1<sup>st</sup> Renewal</b> | <b>2<sup>nd</sup> Renewal</b> | <b>3<sup>rd</sup> Renewal</b> |
|----------------------------------------|---------------|---------------|-------------------------------|-------------------------------|-------------------------------|
| Per Ton                                | \$65.00       | \$68.90       | \$73.03                       | \$77.41                       | \$82.05                       |
| Annual                                 | \$975K        | \$1.03 M      | \$1.10 M                      | \$1.16 M                      | \$1.23 M                      |

**Board Action Requested:**

Authorize the Executive Director to execute a term contract for biosolids processing with McGill Environmental totaling about \$1 M per year.



## MEMORANDUM

**TO: RIVANNA WATER & SEWER AUTHORITY  
BOARD OF DIRECTORS**

**FROM: LONNIE WOOD, DIRECTOR OF FINANCE**

**REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR**

**SUBJECT: ANNUAL COMPREHENSIVE FINANCIAL REPORT  
FISCAL YEAR ENDING JUNE 30, 2025**

**DATE: DECEMBER 16, 2025**

The Authority's Annual Comprehensive Financial Report for the fiscal year ending June 30, 2025, is included with your Board packet. A large part of preparing the financial statements involves having the financial reports audited for the purpose of obtaining an opinion from an independent Certified Public Accountant as to the accuracy of the information presented in the report.

The audit also reviews internal accounting controls and tests for compliance with relevant laws and regulations as a function of expressing the firm's opinion on the financial information. I am pleased to inform you that the Authority received an unmodified opinion, which is the highest opinion that the financial statements are materially accurate and fairly presented.

Mr. Matthew McLearen, a principal of the Charlottesville office of Robinson, Farmer, Cox Associates, will be at the meeting to give a brief review of the audit and discuss any audit findings the firm may have. A letter communicating several aspects of the review is attached as well.

I would also like to thank Kathy Ware, Senior Accountant, who performed much of the detailed work in the preparation of this report. The entire finance team deserves management's appreciation for their hard work during the year in processing our transactions and their assistance during the audit.

This report will be submitted to the Certification Program of the Government Finance Officers Association.

### **Board Action Requested**

Accept the FY 2025 Annual Comprehensive Financial Report from Robinson, Farmer, Cox Associates.

Attachment: Annual Comprehensive Financial Report  
Communication with Those Charged with Governance



# ROBINSON, FARMER, COX ASSOCIATES, PLLC

*Certified Public Accountants*

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## Communication with Those Charged with Governance

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### **To the Board of Directors Rivanna Water & Sewer Authority**

We have audited the financial statements of financial statements of the business-type activities Rivanna Water & Sewer Authority for the year ended June 30, 2025. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated July 10, 2025. Professional standards also require that we communicate to you the following information related to our audit.

#### Significant Audit Matters

##### *Qualitative Aspects of Accounting Practices*

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Rivanna Water & Sewer Authority are described in Note 1 to the financial statements. As described in Note 1 to the financial statements, the Authority adopted new accounting guidance GASB Statement No. 101, *Compensated Absences*. We noted no transactions entered into by the entity during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the Authority's financial statements were:

Management's estimate of the useful lives of depreciable assets is based on industry standards. Pension and OPEB estimates were determined by valuations performed by actuaries. We evaluated the key factors and assumptions used to develop the estimates in determining that they are reasonable in relation to the financial statements taken as a whole.

The financial statement disclosures are neutral, consistent, and clear.

##### *Difficulties Encountered in Performing the Audit*

We encountered no significant difficulties in dealing with management in performing and completing our audit.

### *Corrected and Uncorrected Misstatements*

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to each opinion unit's financial statements taken as a whole.

### *Disagreements with Management*

For purposes of this letter, a disagreement with management is a disagreement on a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditors' report. We are pleased to report that no such disagreements arose during the course of our audit.

### *Management Representations*

We have requested certain representations from management that are included in the management representation letter dated October 29, 2025.

### *Management Consultations with Other Independent Accountants*

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the entity's financial statements or a determination of the type of auditors' opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

### *Other Audit Findings or Issues*

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the entity's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

### Other Matters

We applied certain limited procedures to management's discussion and analysis and the schedules related to pension and OPEB funding, which are required supplementary information (RSI) that supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

We were not engaged to report on the introductory section or statistical section which accompany the financial statements but are not RSI. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

### Restriction on Use

This information is intended solely for the use of the Board of Directors and management of Rivanna Water & Sewer Authority and is not intended to be, and should not be, used by anyone other than these specified parties.

*Robinson, Farmer, Cox Associates*  
Charlottesville, Virginia  
October 29, 2025

# Mobile Emergency Power Generator Purchase



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PRESENTED BY:

STEVE MINNIS, MAINTENANCE MANAGER

BOARD OF DIRECTORS MEETING

DECEMBER 16, 2025





Glenmore WRRF

# Emergency power generators

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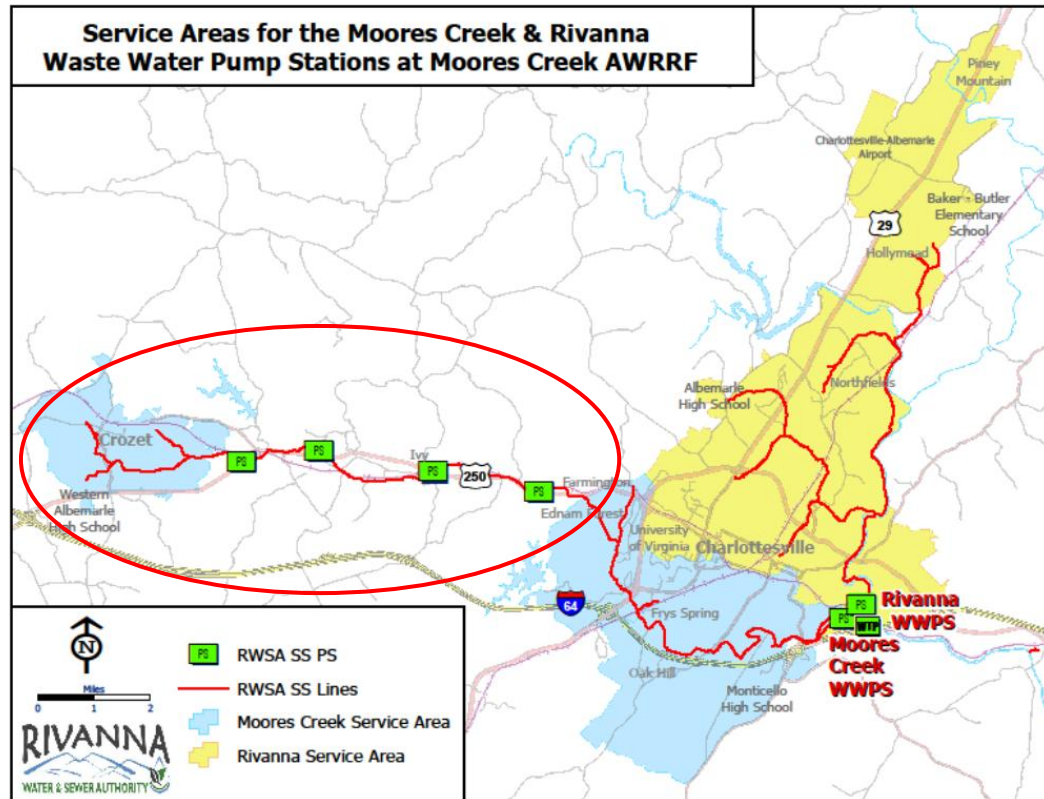
Most of the RWSA Water and Wastewater facilities have stationary backup power generators.



Stillhouse pump station

# Existing portable generator

Existing portable generator has exceeded its operational life. It was purchased to serve as a backup to the stationary generators at the four Crozet sewer pump stations and it is 37 years old. Since the Flow Equalization Tank was added to Crozet pump station 4, the existing portable generator can only be used at 3 of the 4 Crozet sewer pump stations.



Existing 1988 portable generator

# New portable generator



The new portable generator will increase our operational redundancy. It will be able to supply power to 18 entire Rivanna Water and Sewer Authority facilities in the event of a stationary generator failure. It can also be used to supply power to portions of MCAWRRF.

## Wastewater

- Glenmore WRRF
- Scottsville WRRF
- Stone Robinson
- Crozet sewer pump stations 1-4

## Water

- North Rivanna WTP
- Scottsville WTP
- Crozet raw pumps
- Red Hill WTF
- 5 water pump stations (Airport Road, Stillhouse, Royal, Scottsville, Stadium Road)
- Ragged Mountain Dam
- Sugar Hollow Dam

# Sunday, December 7, 2025

## Moores Creek sludge pumping building



Rental generator at sludge pumping building

At 5 pm the Moores Creek sludge pumping building lost power. RWSA Maintenance diagnosed the problem as a fault in the RWSA high voltage transformer. Plant operations were modified for 8 hours until a rental generator could be delivered and connected. The rental generator costs \$13,000 a month to rent and is identical to the one we propose to purchase.

# Questions?



## **Board Action Requested:**

Authorize the Executive Director to execute a Purchase Order using Sourcewell procurement for the purchase of a CAT portable power generator for an amount not to exceed \$299,430.



## 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 –  
GLENMORE WATER RESOURCE RECOVERY FACILITY  
BLOWERS, UV DISINFECTION, AND MANUAL TRANSFER  
SWITCH IMPROVEMENTS – MAVERICK CONSTRUCTION,  
LLC

**DATE:** DECEMBER 16, 2025

This request is to authorize award of a contract in the amount of \$1,067,125 to Maverick Construction, LLC for the Glenmore WRRF Blowers, Ultraviolet Disinfection System and Manual Transfer Switch Improvements Project. Total expenses for this project are within the current CIP budget of \$1.959 M for the Phase 1 improvements.

### Background

The Glenmore WRRF provides wastewater treatment and disposal for the Glenmore community. The WRRF was built in 1992 and due to its age, we had a needs assessment prepared. This assessment evaluated the current demand and lifetime left on certain equipment. The current capacity is adequate for today's flows and loads; however, there are several improvements needed in the short term. The improvements needed in this project are replacement of the aeration blowers, and UV disinfection unit, while providing a new manual transfer switch to provide electric power from a portable generator when needed. The existing UV unit is outdated and no longer has spare parts available from the manufacturer. The aeration blowers are outdated and have received noise complaints and will be replaced with quieter blowers. The manual transfer switch will increase the reliability of the plant to operate during a power outage.

IFB No. 434 was advertised in mid-October through November, and bids were opened on November 12<sup>th</sup>. We received 2 bids, Waco Inc at \$1,199,620 and then the apparent low bidder, Maverick Construction LLC, at \$1,067,125. The documents were reviewed, and Maverick Construction LLC's bid was found to be both responsive and responsible. Our staff and consultant engineer recommend an award to Maverick Construction LLC, in the amount of \$1,067,125. This value was within our budget and will not require an increase to the Phase 1 portion of the total CIP budget of \$1.959 M.

**Board Action Requested:**

Authorize the Executive Director to award a construction contract to Maverick Construction LLC, for a total amount of \$1,067,125 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



# Glenmore Water Resource Recovery Facility

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## Blowers, UV Disinfection and Manual Transfer Switch Improvements

**Presented to the Board of Directors by:**

Dyon Vega, Civil Engineer

December 16, 2025





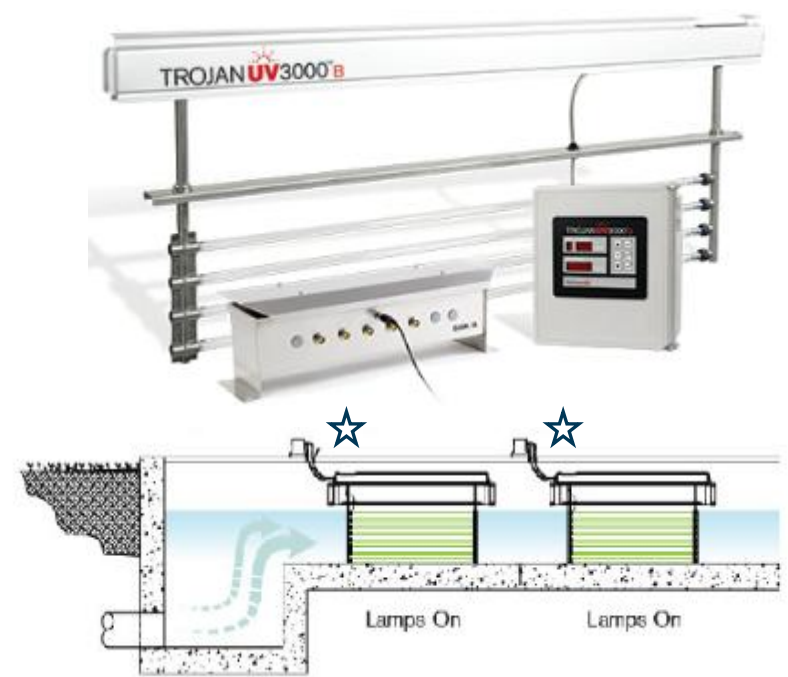
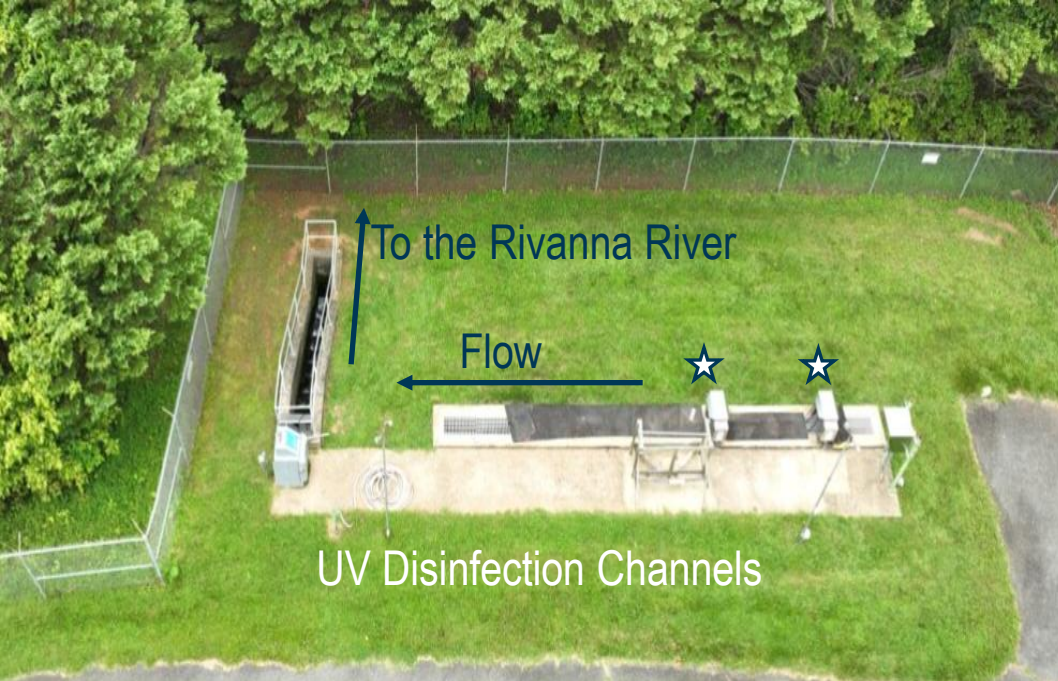
Air Blower Unit Enclosure



Air Blower Units

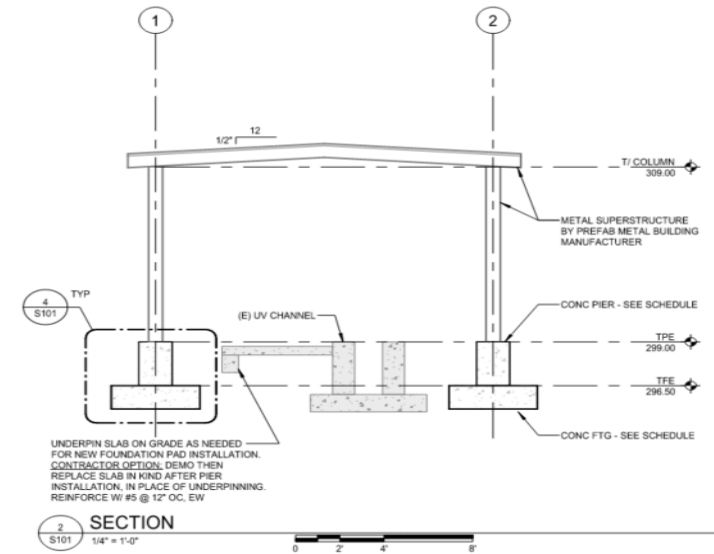
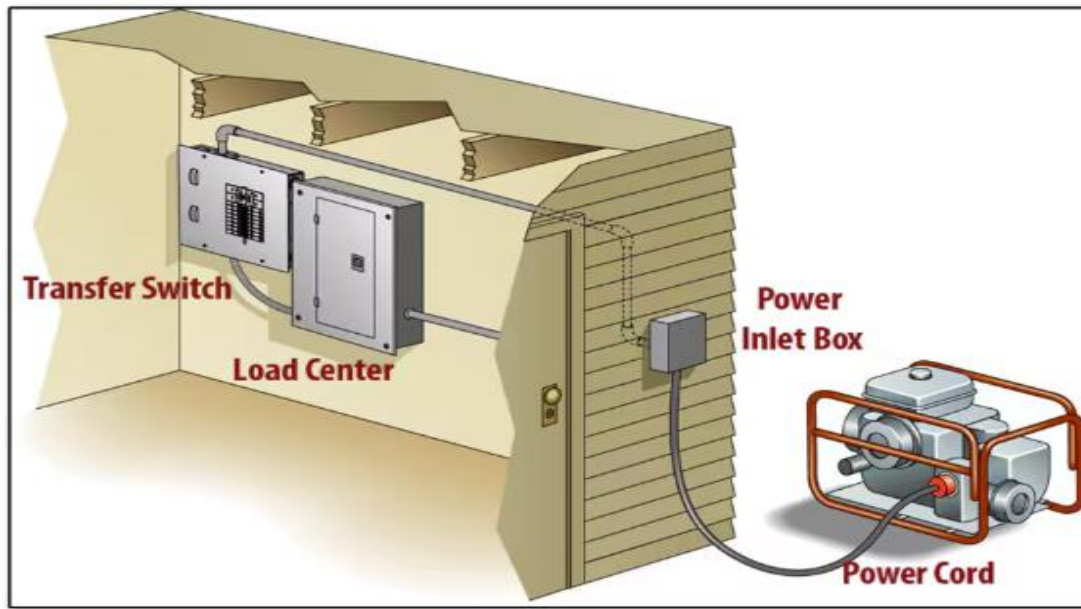
- Glenmore WRRF was constructed in 1992
- In 2022, a third influent pump was added to the Influent Pump Station
- In 2023, a needs assessment was initiated to determine any future CIP investments needed
- Critical items identified in the needs assessment were the original air blowers, ultraviolet (UV) disinfection system, and the need to add a manual emergency power transfer switch to connect a temporary power supply

## BACKGROUND



- The original UV disinfection system was deteriorated and no longer supported by the manufacturer. It was recently replaced through an Emergency Procurement contract (cost is included in this overall CIP project).
- UV system operates continuously and is a critical component of the overall system.
- A canopy was added to protect the equipment and employees during maintenance and daily checks of the UV units.
- The existing blowers have limited noise control and are only partially covered by a canopy
- In the event the stationary emergency generator malfunctions, the new manual transfer switch allows another portable power supply to be connected to the treatment plant to maintain service.

## EXISTING CONDITIONS



- The new blowers and their enclosures produce less noise and operate at a similar range to the existing blowers
- A canopy will be installed over the UV unit.
- The manual transfer switch will allow a portable emergency generator to be connected should Glenmore lose primary power and the existing permanent generator malfunction



# PROPOSED

Received 2 bids: \$1.067 - \$1.2 M

Maverick Construction, LLC: \$1,067,125  
(Grasonville, MD)

Replace UV system: \$200 k

Design and CA/CI costs: \$260 k

Contingency: \$150 k

Total Project Budget: \$1.955 M

FY 26 – 30 Phase 1 Budget: \$1.959 M

Construction: June 2026 - January 2028

## BID RESULTS AND BUDGET

# QUESTIONS?

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## **Board Action Requested:**

Authorize the Executive Director to execute a construction contract with Maverick Construction, LLC totaling \$1,067,125 to provide 2 new blowers, a metal canopy over the existing UV system, and a manual transfer switch and receptacle for a portable generator as well as any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



## 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 TO PURCHASE EMERGENCY POWER  
GENERATOR – SOUTH RIVANNA RESERVOIR TO RAGGED  
MOUNTAIN RESERVOIR PIPELINE, INTAKE, AND PUMP  
STATION PROJECT – CARTER MACHINERY COMPANY

**DATE:** DECEMBER 16, 2025

This request is to authorize purchase of an emergency power generator and associated equipment from Carter Machinery Company in the amount of \$612,362. This Owner-furnished generator will serve the new raw water pumping station to be constructed as part of the South Rivanna Reservoir (SRR) to Ragged Mountain Reservoir (RMR) Pipeline, Intake, and Facilities Project.

### Background

The SRR to RMR pipeline project is a major component of the approved and permitted Community Water Supply Plan crafted in 2012. The pipeline, pump station, and water intake structure will give RWSA the ability to move water between the two reservoirs, further enhancing the management capabilities of the Urban System water supply. The SRR to RMR Pipeline, Intake, and Pump Station Project includes construction of about 6.5 miles of 36" raw water pipeline, connecting SRR and RMR, raw water intake screens and piping in the SRR, and a pump station at SRR to withdraw and transfer up to 41 MGD from the SRR. The project also includes raising the normal pool level at RMR by 12' to allow for an additional 700 million gallons of storage.

To ensure reliable pump station operation when needed for raw water conveyance to the South Rivanna Water Treatment Plant during a power outage, installation of a new generator, fuel tank, automatic transfer switch, manual transfer switch and other associated appurtenances are needed for this project. To continue our practice of standardizing generator equipment, maintenance, and spare parts throughout RWSA facilities, staff decided to purchase these items through the Sourcewell Contract and provide it for the contractor to install. RWSA is part of the Sourcewell Contract which is a cooperative purchasing contract that member agencies have access to for competitively awarded products and services from various vendors. Carter Machinery Company is a vendor through the Sourcewell Contract and as a result, the generator and appurtenances included in the requested purchase order and the resulting pricing were competitively determined.

Items included in this requested purchase order include a 1 MW generator, 5200-gallon fuel tank, fuel polisher, stairs/platform for generator access, automatic transfer switch, manual transfer switch, associated warranties for the provided equipment, a year of preservation service to be provided by Carter, and painting of the generator to match facility requirements.

**Board Action Requested:**

Authorize the Executive Director to execute a Purchase Order with Carter Machinery Company, Inc. for the purchase of a 1 MW CAT generator and associated appurtenances as owner-supplied equipment for the South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Intake, and Pump Station Project for an amount not to exceed \$612,362, and to execute necessary amendments in additional amounts, if deemed necessary to complete the work identified above not to exceed 10% of the initial authorization.



## 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 –  
SOUTH RIVANNA RESERVOIR TO RAGGED MOUNTAIN  
RESERVOIR PIPELINE, INTAKE, AND FACILITIES – GARNEY  
COMPANIES, INC.

**DATE:** DECEMBER 16, 2025

This request is to authorize award of a contract in the amount of \$87,633,497 to Garney Companies, Inc. for the South Rivanna Reservoir (SRR) to Ragged Mountain Reservoir (RMR) Pipeline, Intake, and Facilities Project. Based on this bid value, the resulting total budget for this project will be \$119,500,000.

### Background

The South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline is a part of the approved and permitted Community Water Supply Plan. The pipeline and associated facilities will give RWSA the ability to move water between the two reservoirs, further enhancing the management capabilities of the Urban System water supply. The SRR to RMR Pipeline, Intake, and Facilities Project includes construction of a 36" raw water pipeline, connecting SRR and RMR, a new raw water intake and pump station at SRR to bring total withdrawal capacity from SRR to 41 MGD, and raising of the pool level at RMR 12' to allow for an additional 700 million gallons of storage at that reservoir. Approximately 6.5 miles of 36" ductile iron piping will be installed under this project, connecting to the existing 36" pipeline constructed in 2019 at the Birdwood Golf Course, and subsequently connecting to the 36" pipeline currently being constructed under the RMR to Observatory WTP Raw Water Pipeline and Pump Station Project. This work will also include construction of a new permanganate building, located at the South Rivanna WTP site near the new raw water pump station, for cost optimization purposes as opposed to performing that work in a separate project as previously intended. The project to raise the pool level of RMR was awarded by the Board in June 2025, at a total value of \$13,160,000.

An Invitation for Bids (IFB #436) was issued on October 2<sup>nd</sup>, 2025, for the remaining components of the overall project, including the 6.5 miles of 36" raw water pipeline, 41 MGD raw water intake and pump station facility at SRR, and the new permanganate building at South Rivanna WTP. A

pre-bid conference was held on October 15<sup>th</sup>, and a group site visit was conducted on October 16<sup>th</sup>. Construction bids were opened for the project on November 20<sup>th</sup>, 2025, and four bids were received; Garney Companies, Inc. (\$87,633,497), Snyder Environmental Services, Inc. (\$99,550,800), Thalle Construction Company, Inc. (\$112,878,000), and Sagres Construction Corporation (\$117,776,773.39).

The documents were reviewed, and Garney's bid was found to be both responsive and responsible. Garney is nationally acclaimed as one of the top water and wastewater infrastructure contractors and has successfully completed numerous projects with a similar scope to this project. In addition, Garney successfully completed Phase 2 of RWSA's Valve Repair-Replacement Program in 2020.

Our staff and consultant engineer recommend an award to Garney, in the amount of \$87,633,497. The CIP budget for the SRR-RMR Pipe, Intake, and Facilities Project (including SRWTP Permanganate Improvements) is currently \$123,113,000. Incorporating Garney's bid along with the RMR Pool Raise construction contract, design and construction administration costs, pre-procurement of the generator by RWSA through the Sourcewell program, and pre-procurement of a waterway barrier system to be placed ahead of the SRR dam, results in a total project budget of \$119,500,000. This results in savings of \$3,613,000, compared to the previously adopted CIP budget.

**Board Action Requested:**

Authorize the Executive Director to award a construction contract to Garney Companies, Inc. for a total amount of \$87,633,497 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



## 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 TO PURCHASE WATERWAY BARRIER SYSTEM –  
SOUTH RIVANNA RESERVOIR TO RAGGED MOUNTAIN  
RESERVOIR PIPELINE, INTAKE, AND PUMP STATION  
PROJECT – WORTHINGTON PRODUCTS

**DATE:** DECEMBER 16, 2025

This request is to authorize award of a purchase order in the amount of \$469,687.80 to Worthington Products, Inc. for the purchase of an ODIN series waterway barrier system as owner-furnished equipment for the South Rivanna Reservoir (SRR) to Ragged Mountain Reservoir (RMR) Pipeline, Intake, and Pump Station Project.

### Background

The SRR to RMR pipeline project is a major component of the approved and permitted Community Water Supply Plan crafted in 2012. The pipeline and associated facilities will give RWSA the ability to move water between the two reservoirs, further enhancing the management capabilities of the Urban System water supply. The SRR to RMR Pipeline, Intake, and Pump Station Project includes construction of a 36" raw water pipeline, connecting SRR and RMR, a raw water intake and pump station at SRR to bring total withdrawal capacity from SRR to 41 MGD, and raising the pool level at RMR 12' to allow for an additional 700 million gallons of storage at that reservoir.

To protect the new underwater intake screens and piping from debris and boats floating in the reservoir as well as to protect boaters from the South Fork Rivanna Dam spillway, a waterway barrier system was included as part of the project. After a review of available products on the market and suppliers, it was determined that Worthington Products ODIN series of waterway barrier devices was the only company that manufactured a system with the necessary quality to meet RWSA's needs, and a Sole Source Procurement was authorized.

As a result, the requested purchase order includes the following items; ODINBoom line and associated appurtenances to protect the pump station intake, ODINFloat line and associated appurtenances to protect the public from the dam spillway, and manufacturer provided engineering assistance to finalize the design for our application.

**Board Action Requested:**

Authorize the Executive Director to execute a Purchase Order with Worthington Products, Inc. for the purchase of an ODIN series waterway barrier system as owner-supplied equipment for the South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Intake, and Pump Station Project for an amount not to exceed \$469,687.80, and to execute necessary amendments in additional amounts, if deemed necessary to complete the work identified above, not to exceed 10% of the initial authorization.



## South Rivanna to Ragged Mountain Reservoir Pipeline, Intake, & Pump Station Construction Project

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**Presented to the Board of Directors by:**

G. Austin Marrs, P.E.

Senior Civil Engineer

December 16, 2025



# SRR-RMR Pipeline, Intake, & Pump Station Project \*

- 6.5 mi of 36" raw water pipeline, from the South Rivanna Reservoir to the Birdwood Golf Course at Rt 250W.
- Raw water intake and pump station with capacity to pump 41 MGD. Will replace existing pump station built in 1960s. System will transfer 25 MGD to Ragged Mountain Reservoir.
- Project also includes a new generator, chemical storage building, SRR waterway barrier, and additional pumps at Ragged Mtn Raw Water Pump Station
- Construction Award recommended to Garney Companies, Inc. (Fairfax, VA)
- Contract Amt: \$87,633,497

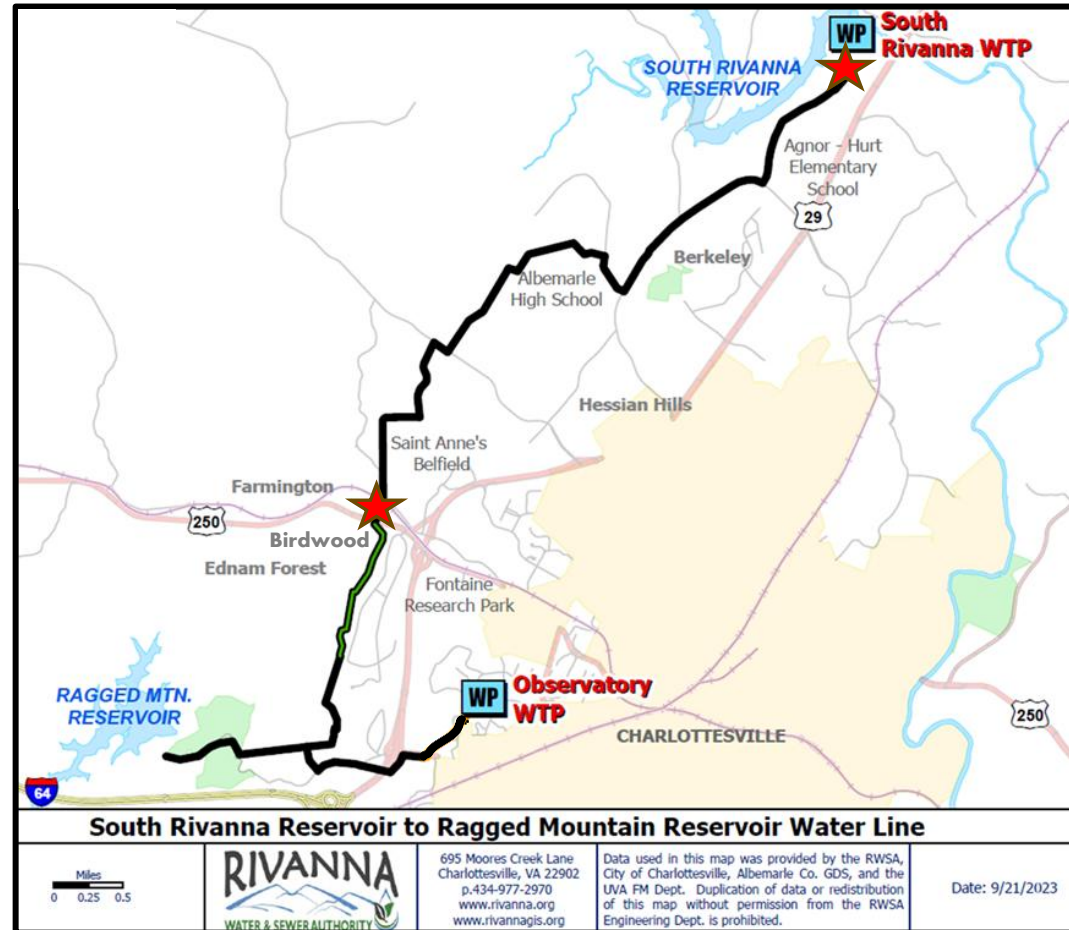


\*Final project from 2012 Community Water Supply Plan.

## PROJECT OVERVIEW

# Raw Water Pipeline

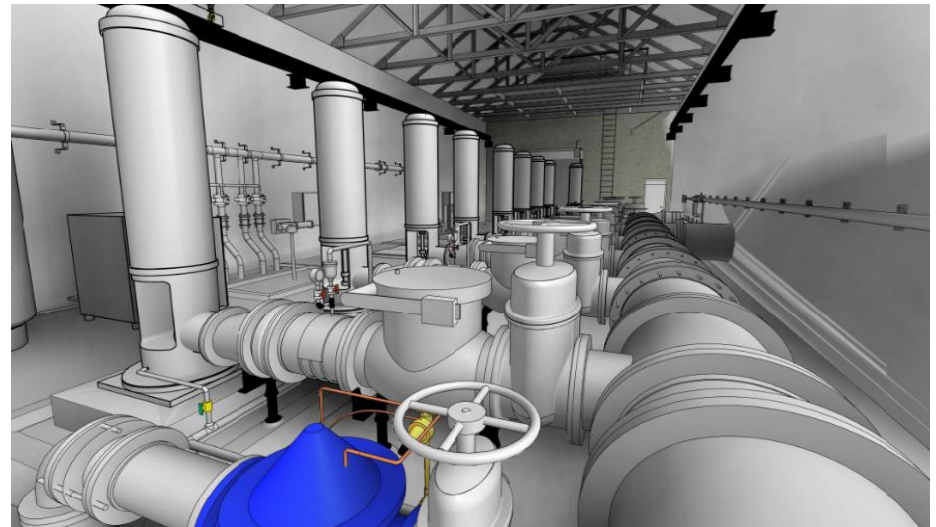
- 6.5 miles of 36" ductile iron pipe – from SRR to Birdwood Golf Course
- Mixture of roadway (Hydraulic Rd, Lambs Rd/Ln, etc.) and easement conditions
- Extensive coordination w/VDOT, ACPS, UVAF (Westover Farm), Colthurst HOA (Colthurst Dr.), and private property owners
- Can only clear trees between Nov 15 and March 31<sup>st</sup> (applies to entire project)



## CONSTRUCTION OVERVIEW

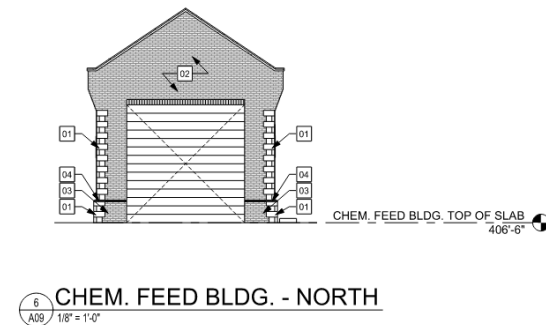
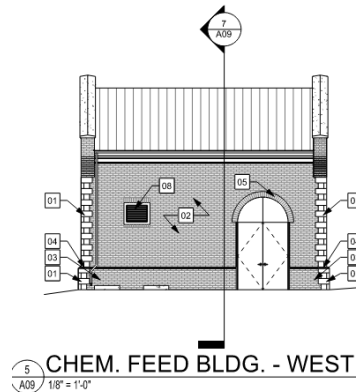
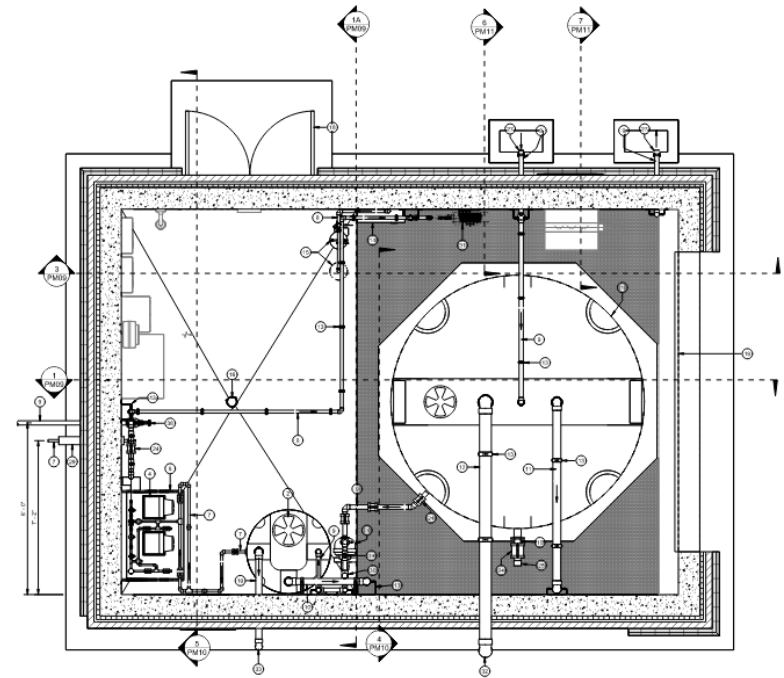
# Intake and Pump Station

- New 41 MGD raw water intake and pump station to transfer 16 MGD to SR WTP, as well as 25 MGD to RMR and/or OB WTP (via RMR WPS)
- 2 sets of water intake screens to be tunneled into the reservoir
- Intake screens designed in accordance with DEQ permit requirements to protect aquatic wildlife.
- Replaces existing 12 MGD pump station



# Other Improvements

- New chemical storage building to replace existing facility
  - Larger and more reliable system
- Waterway Barrier System
  - Public safety enhancement to replace buoy system
  - Will keep boaters away from SRR Dam and intake screens
- 3 pumps at Ragged Mtn Pump Station to move water from SRR to RMR and/or OB WTP



## CONSTRUCTION OVERVIEW

# Existing Facilities

- Existing Raw Water Pump Station
  - Early 1960s construction
  - Limited pumping capabilities (12 MGD)
  - Building to be kept and likely repurposed as storage once new intake and pump station has been completed.
- Existing Permanganate Building
  - Mid 1980s Metal Building – Outlived useful service life
  - Repurposed from powdered activated carbon to permanganate
  - Building to be demolished once new Permanganate Building has been completed.



Existing Pump Station (front)

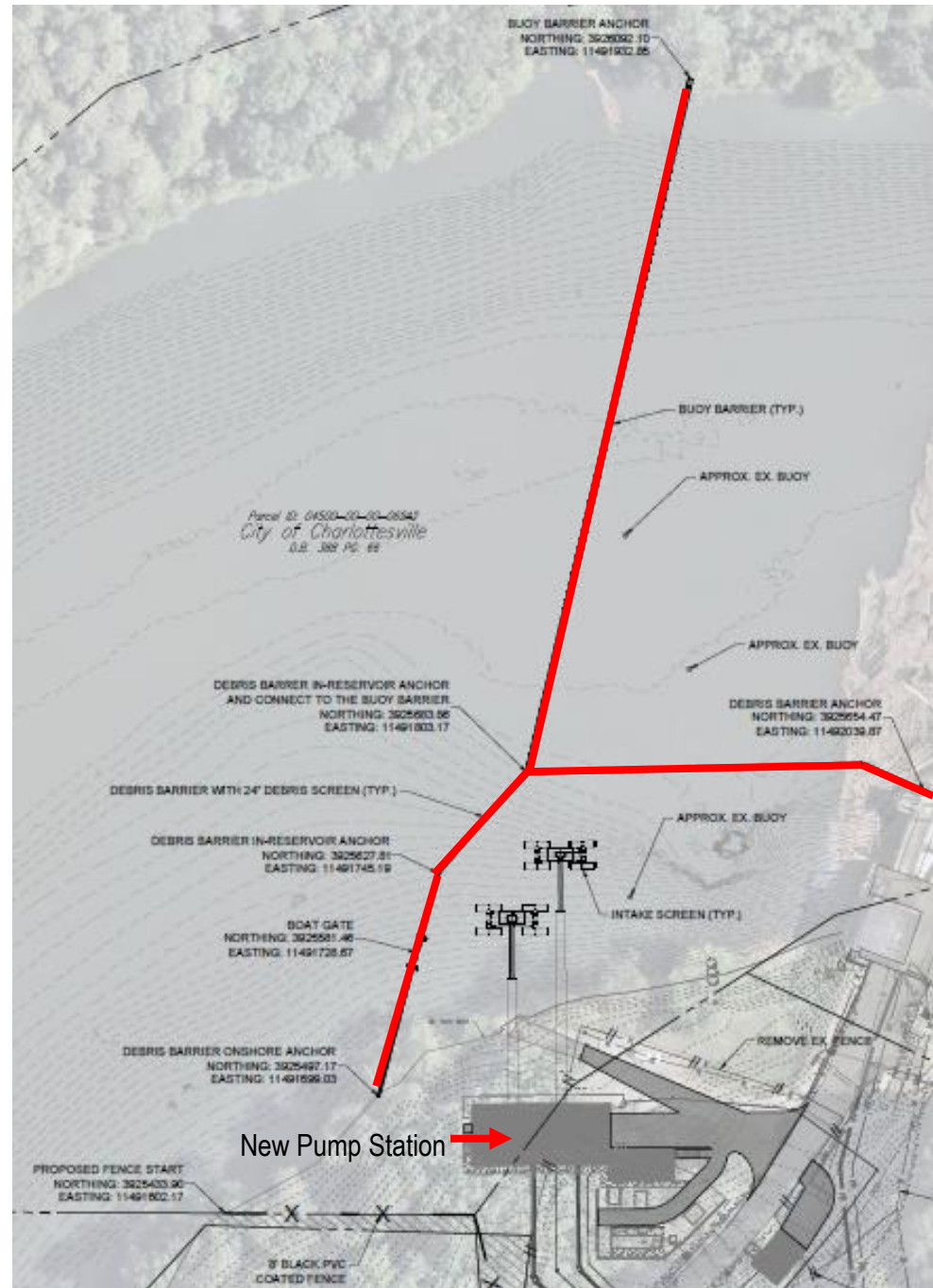
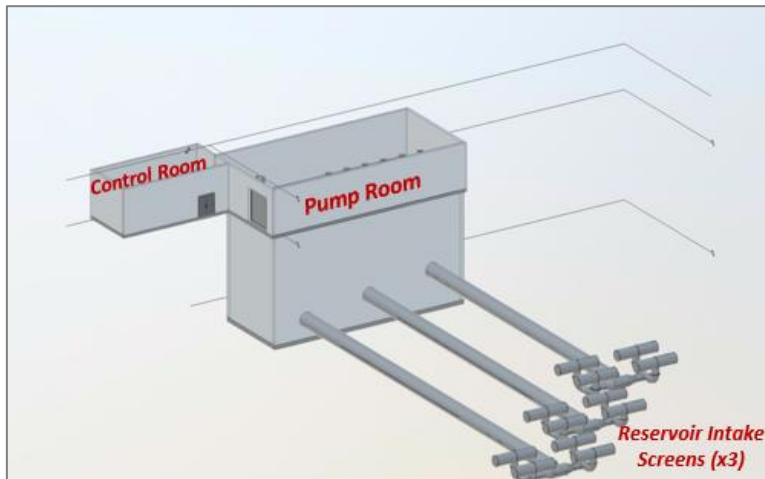


Existing Pump Station (rear)



Permanganate Building

# SRR Waterway Barrier



# BUDGET & BIDDING RESULTS

- CIP Budget: \$123 M
- Final Engineer's Construction Cost Estimate - \$103 M
- 4 Bids received:
  - **Garney Companies, Inc. - \$87,633,497.00**
  - Snyder Environmental Services - \$99,550,800.00
  - Thalle Construction Co., Inc. - \$112,878,000.00
  - Sagres Corporation - \$117,776,773.39
- Total Budget: \$119.5M
- Construction Schedule: Feb 2026 – Dec 2030

# BUDGET OVERVIEW

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|                                                                |                 |
|----------------------------------------------------------------|-----------------|
| • SRR-RMR Pipe Project (w/Contingency 8%) -                    | \$95.25 M       |
| • Design, Permitting, and Bidding Services-                    | \$4.67 M        |
| • Construction Administration, Inspection, and Commissioning - | \$3.15 M        |
| • Owner Furnished/Contractor Installed Equipment:              |                 |
| - Emergency Generator                                          | \$0.61 M        |
| - SRR Waterway Barrier                                         | \$0.47 M        |
| • Dominion Energy Service Relocation                           | \$1.5 M         |
| • Legal and Misc. -                                            | \$0.55 M        |
| • RMR Pool Raise Project -                                     | <u>\$13.3 M</u> |

**TOTAL: \$119.5 M**

***CIP Budget: \$123 M***

**SAVINGS: \$3.5 M**

# QUESTIONS?

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## **Board Action Requested:**

Authorize the Executive Director to execute:

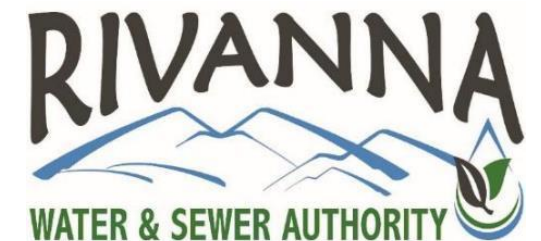
1. a construction contract with Garney Companies, Inc. for a total amount of \$87,633,497 and any change orders to the contract necessary for completion of the work not to exceed 10% of the original construction contract amount.
2. a Purchase Order with Carter Machinery Company, Inc. for a CAT generator and associated appurtenances as owner-supplied equipment for an amount not to exceed \$612,362, and to execute necessary amendments in additional amounts, if deemed necessary to complete the work identified above not to exceed 10% of the initial authorization.
3. a Purchase Order with Worthington Products, Inc. for an ODIN series waterway barrier system as owner-supplied equipment for an amount not to exceed \$469,687.80, and to execute necessary amendments in additional amounts, if deemed necessary to complete the work identified above, not to exceed 10% of the initial authorization.

# Northern Service Area Utility Projects

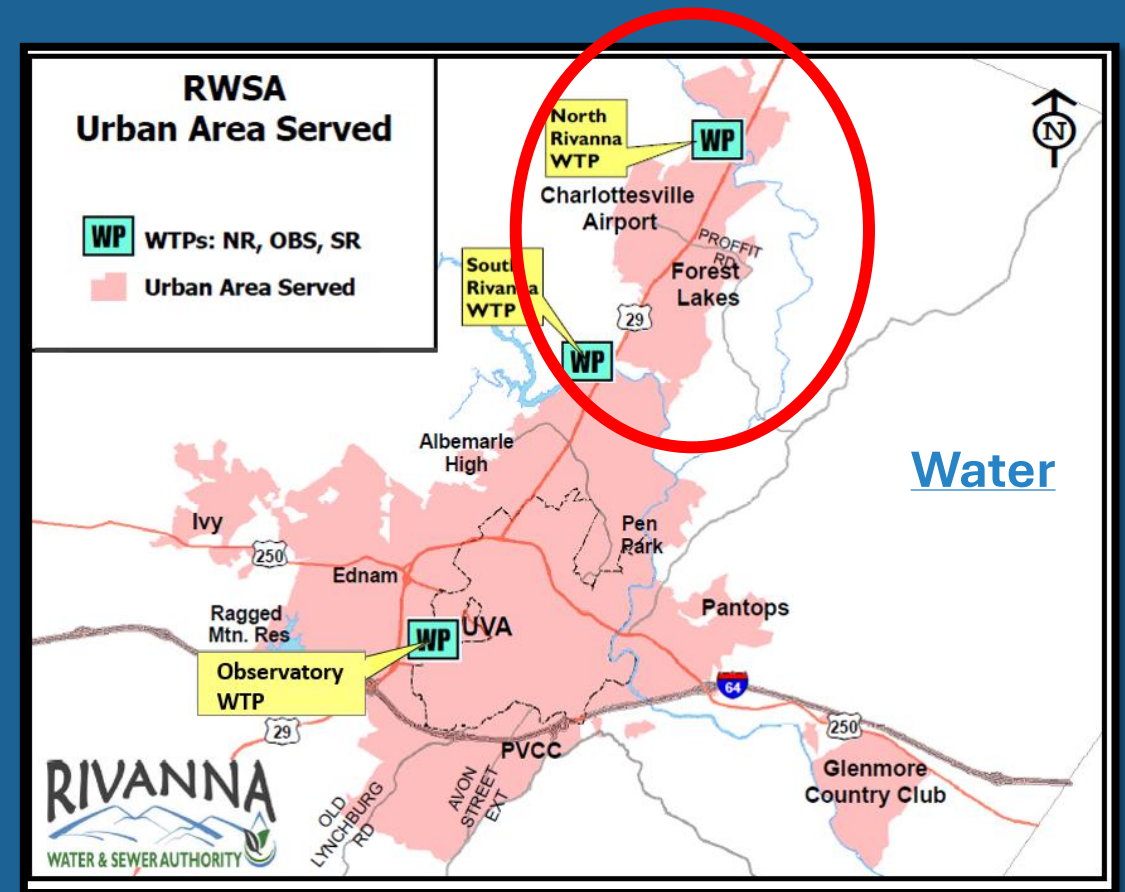
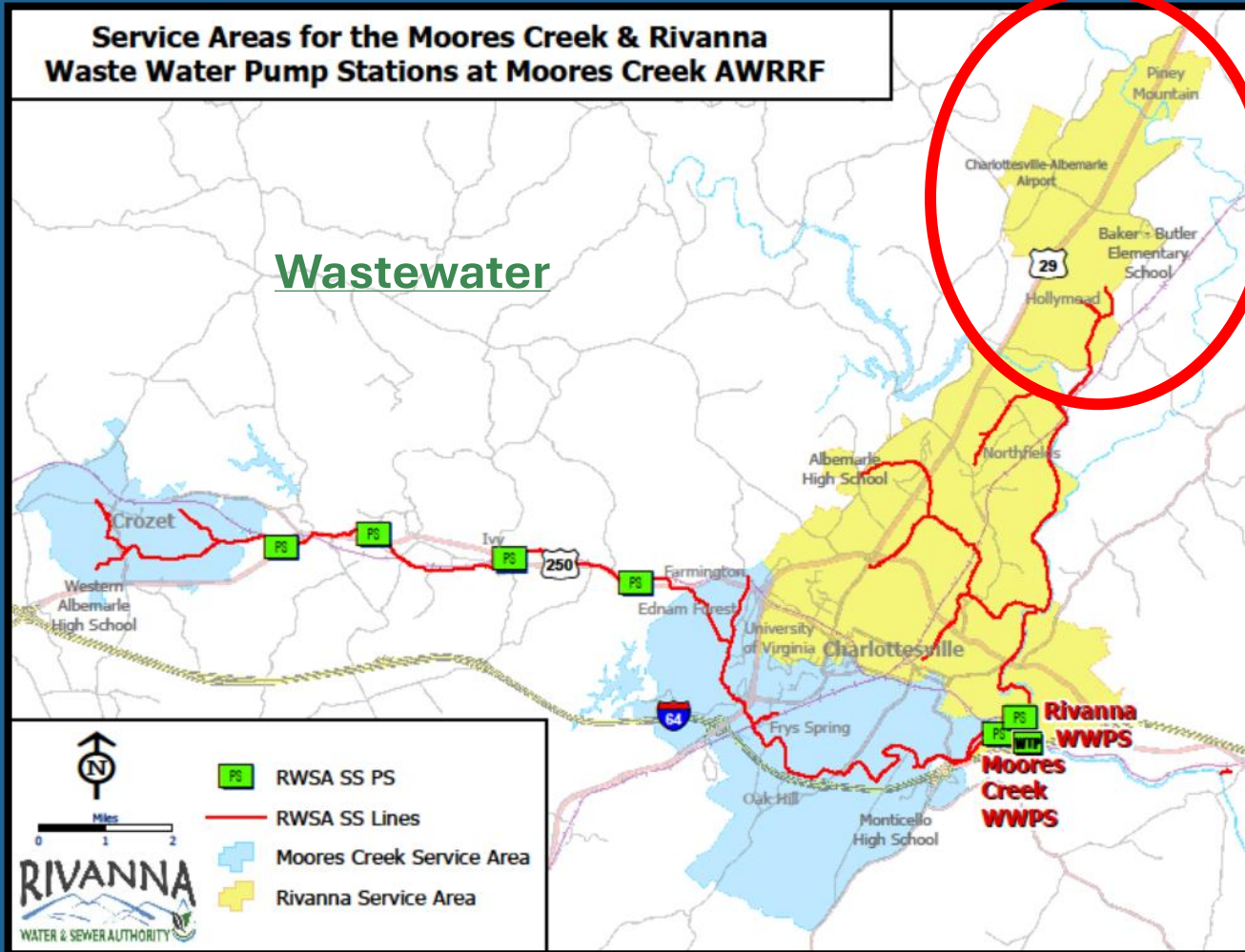


Presented to the Board of Directors

By Jennifer Whitaker, Director of Engineering & Maintenance  
December 16, 2025



# Urban Service Area

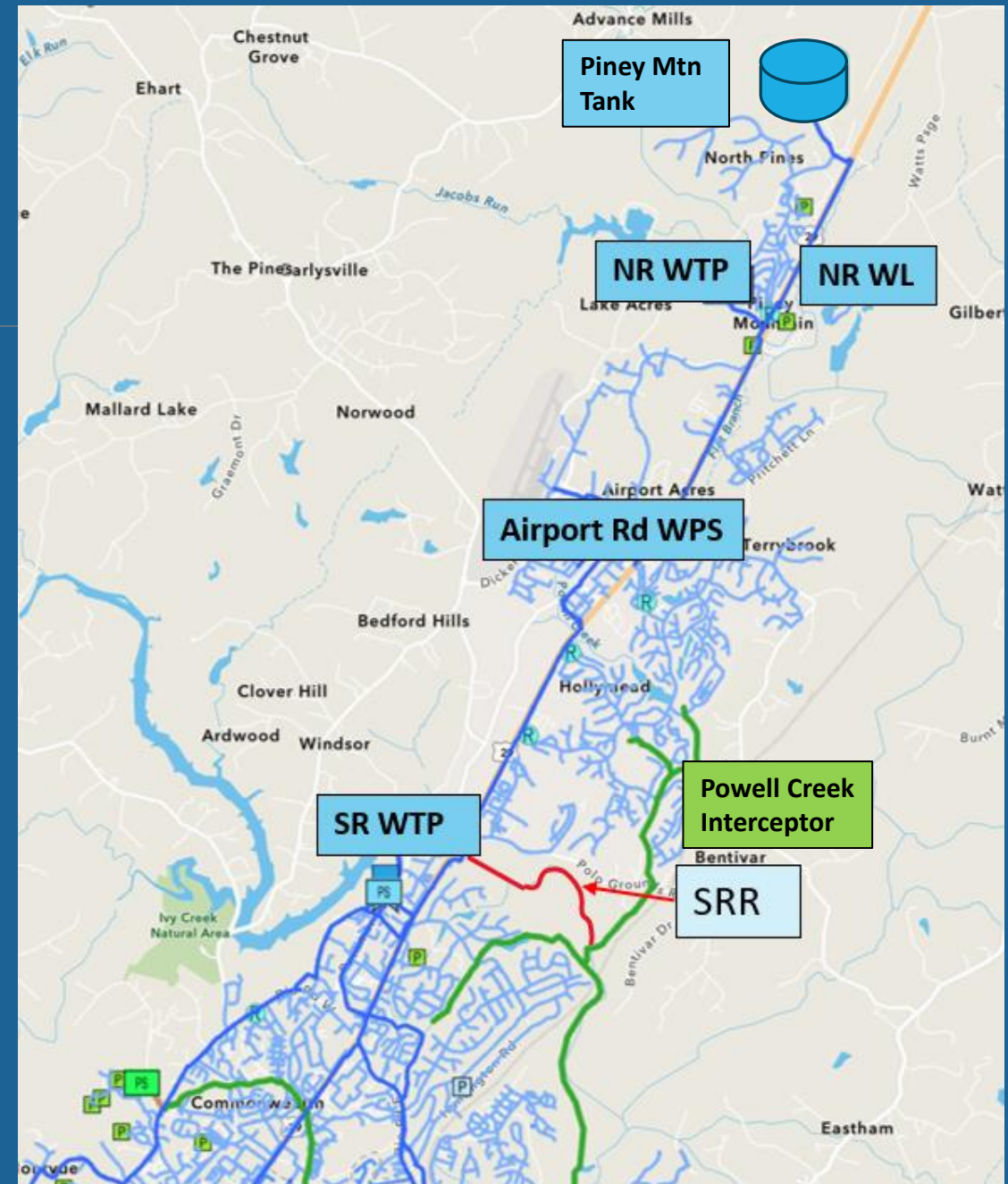


- RWSA provides wholesale water and sewer service to 125,000 people in the Urban area
- Served by 3 Water Treatment Plants and 1 Wastewater Plant
- Slightly different service area for water vs wastewater

# Northern Service Area

- Utilities north of the Rt. 29 Bridge over the South Rivanna River.
- Existing Water Infrastructure:
  - Airport Road Finished Water Pump Station
  - North Rivanna Water Treatment Plant\*
  - North Rivanna Water Line
  - Piney Mtn. Tank
- Sanitary Sewer Infrastructure
  - Powell Creek Interceptor

\*NRWTP to be decommissioned following completion of the South and North Rivanna River Crossing Projects.



# 2025 Northern Area Utilities Master Plan

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## Goals:

1. Consider upcoming developments to understand resulting utility demands.
2. Utilize existing water and sewer models to see how systems react with additional demands.
3. Utilize modeling results to confirm scope and schedule of Northern Area-specific CIP Projects
4. Compare to the 2019 Urban Finished Water Master Plan.



# 2024 Northern Area Master Plan

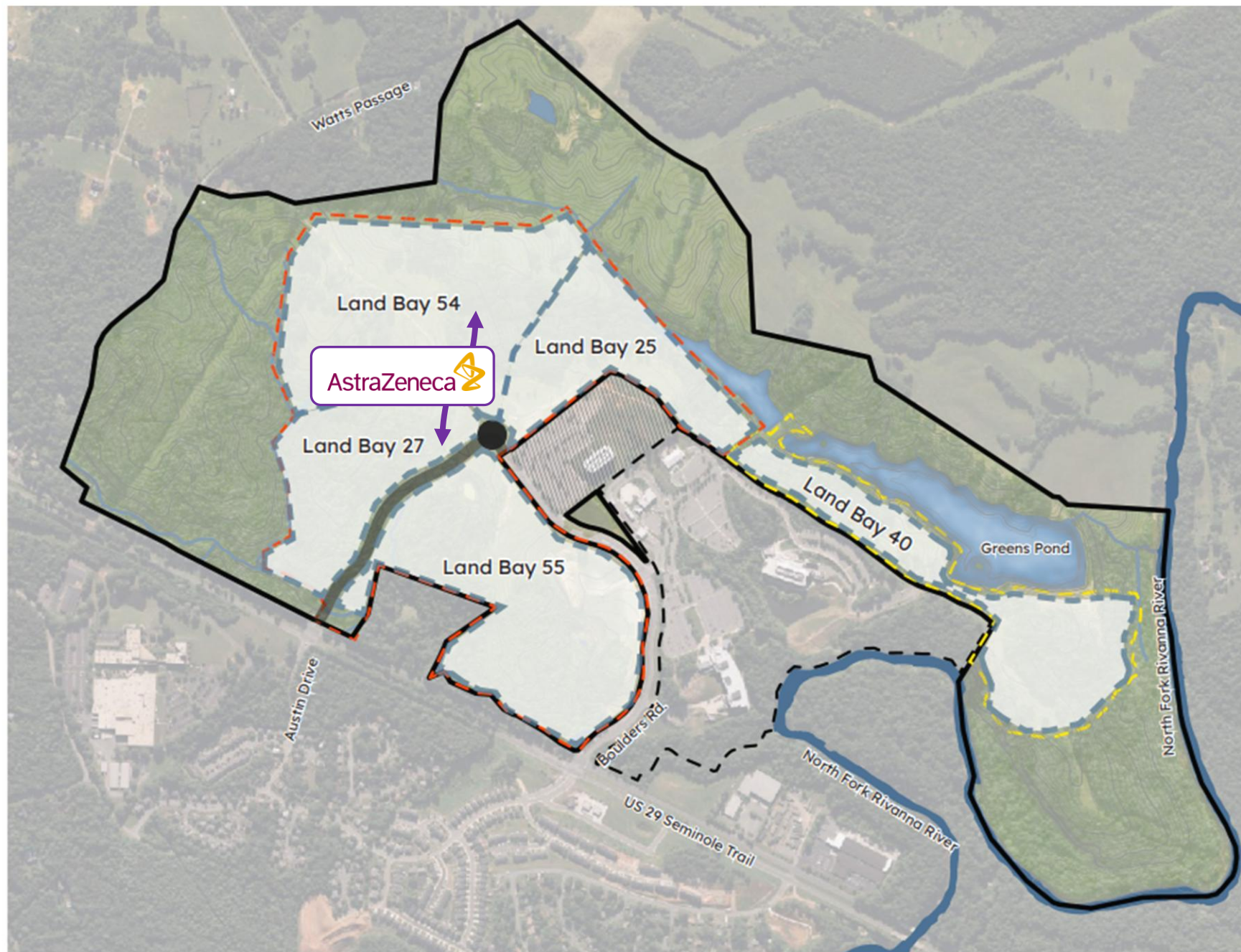
## Capacity & Demand Summary

| Year | Water Capacity | Water Demand | Peak Water Demand |
|------|----------------|--------------|-------------------|
| 2024 | 1.3 mgd        | 0.47 mgd     | 0.87 mgd          |
| 2027 | 1.5 mgd        | 1.05 mgd     | 1.66 mgd          |
| 2030 | 3.0 mgd        | 1.08 mgd     | 1.77 mgd          |
| 2045 | 3.0 mgd        | 1.22 mgd     | 1.90 mgd          |
| 2070 | 3.0 mgd        | 1.36 mgd     | 2.12 mgd          |

| Year | Sewer Capacity | Sewer Flows | Peak Flows |
|------|----------------|-------------|------------|
| 2024 | 4.5-5.5 mgd    | 0.61 mgd    | 1.67 mgd   |
| 2027 | 4.5-5.5 mgd    | 1.03 mgd    | 3.79 mgd   |
| 2030 | 4.5-5.5 mgd    | 1.21 mgd    | 4.43 mgd   |
| 2045 | 4.5-5.5 mgd    | 1.47 mgd    | 5.05 mgd   |
| 2070 | 11.0 mgd       | 1.61 mgd    | 5.29 mgd   |

# Projected Demand – North Zone

|          | 2019 UFWMP<br>Demand Projections |                                  | 2024 NAMP<br>Demand Projections  |                                  |
|----------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Year     | Average Daily<br>Demand<br>(MGD) | Maximum<br>Daily Demand<br>(MGD) | Average Daily<br>Demand<br>(MGD) | Maximum<br>Daily Demand<br>(MGD) |
| Existing | 0.35                             | 0.55                             | 0.5                              | 0.78                             |
| 2030     | 0.55                             | 0.86                             | 1.08                             | 1.69                             |
| 2045     | 0.74                             | 1.15                             | 1.22                             | 1.90                             |
| 2070     | 0.91                             | 1.41                             | 1.36                             | 2.12                             |



October 2025:  
AstraZeneca  
Announcement  
\$4.5B Facility  
at Rivanna Futures

Facilities Online:  
2027-2029

# Projected Demand – North Zone

|          | 2019 UFWMP<br>Demand Projections |                                  | 2024 NAMP<br>Demand Projections  |                                  | October 2025 NAMP *<br>Demand Projections |                                  |
|----------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------------|----------------------------------|
| Year     | Average Daily<br>Demand<br>(MGD) | Maximum<br>Daily Demand<br>(MGD) | Average Daily<br>Demand<br>(MGD) | Maximum<br>Daily Demand<br>(MGD) | Average Daily<br>Demand<br>(MGD)          | Maximum<br>Daily Demand<br>(MGD) |
| Existing | 0.35                             | 0.55                             | 0.5                              | 0.78                             |                                           |                                  |
| 2030     | 0.55                             | 0.86                             | 1.08                             | 1.69                             | 1.9                                       | 2.77                             |
| 2045     | 0.74                             | 1.15                             | 1.22                             | 1.90                             |                                           |                                  |
| 2070     | 0.91                             | 1.41                             | 1.36                             | 2.12                             |                                           |                                  |

\* Preliminary Estimates – Additional refinement expected in January-June 2026

# Updated Northern Area Water System Improvement Projects

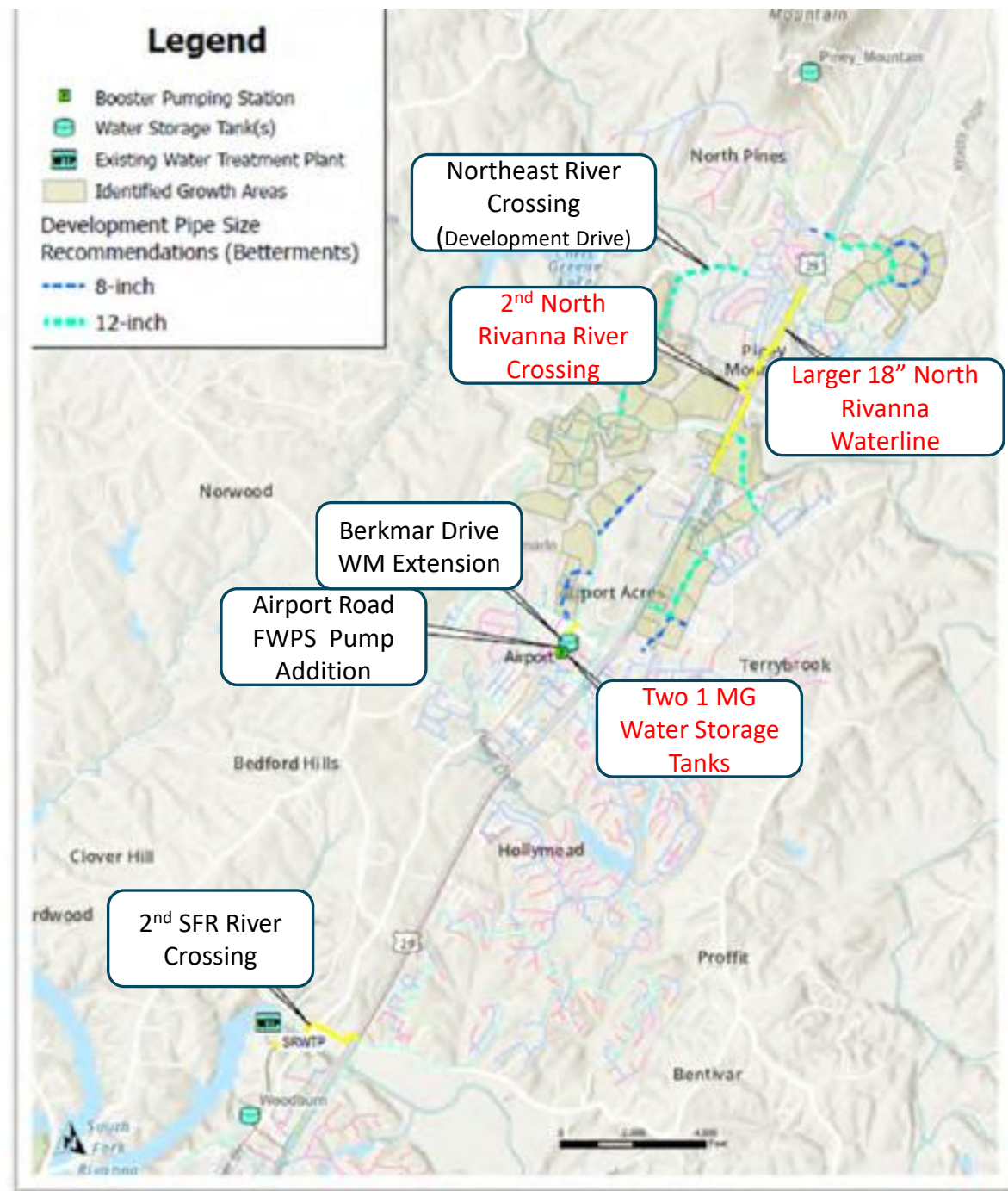
2025 – 2031

| Recommended Improvement (s)                                    | Category                   | June 2025<br>Completed<br>By | Estimated Cost<br>(\$M) | 10/17/2025<br>Completed<br>By | 10/17/2025<br>Estimated<br>Cost (\$M) | 10/31/2025<br>Completed<br>By | Status                |
|----------------------------------------------------------------|----------------------------|------------------------------|-------------------------|-------------------------------|---------------------------------------|-------------------------------|-----------------------|
| Airport Road PS Water Line - Phase 1                           | Conveyance                 | 2025                         | 6.00                    | ✓                             | ✓                                     | ✓                             | Completed             |
| Airport Road Finished Water Pump Station                       | Conveyance                 | 2025                         | 4.00                    | ✓                             | ✓                                     | ✓                             | Completed             |
| South Rivanna River Second Crossing                            | Redundancy +<br>Conveyance | 2026                         | 7.00                    | 2026                          | ✓                                     | 2026                          | Under<br>Construction |
| NRWTP Decommissioning                                          | Supply                     | 2028                         | 2.94                    | 2031                          | 3.60                                  | 2031                          | Scheduled             |
| Airport Road PS Water Line Phase 2<br>(Berkmar Extension VDOT) | Conveyance                 | 2028                         | 1.50                    | 2028                          | 1.80                                  | 2026                          | Design                |
| APFWPS Pump Addition                                           | Storage +<br>Conveyance    | 2028                         | 0.50                    | 2026                          | 13.64                                 | 2026                          | Design                |
| Water Storage Tank No. 1 @ APFWPS                              | Conveyance                 | 2029                         | 5.00                    | 2029                          |                                       | 2026                          | Design                |
| Water Storage Tank No. 2 @ APFWPS                              | Storage                    | 2060                         | 6.50                    | 2029                          |                                       | 2026                          | Design                |
| North Rivanna Waterline<br>Replacement                         | Conveyance +<br>Resilience | 2031                         | 14.00                   | 2028                          | 46.14                                 | 2026                          | Design                |
| North Rivanna River Second Crossing<br>and Reinforcement       | Resilience                 | 2031                         | 6.90                    | 2028                          |                                       | 2026                          | Design                |
| Pressure Surge Mitigation                                      | Resilience                 | 2035                         | 1.00                    | 2028                          | 8.00                                  | 2026                          | Design                |
| Airport Pressure Zone Modifications                            | Resilience                 | 2070                         | 2.80                    | 2029                          |                                       | 2027                          | Design                |
| Contingency 10%                                                |                            |                              |                         |                               | 12.50                                 |                               |                       |
| TOTAL:                                                         |                            |                              | 58.14                   |                               |                                       | 86.00                         |                       |

# Northern Area Master Plan

## Water Improvement Projects

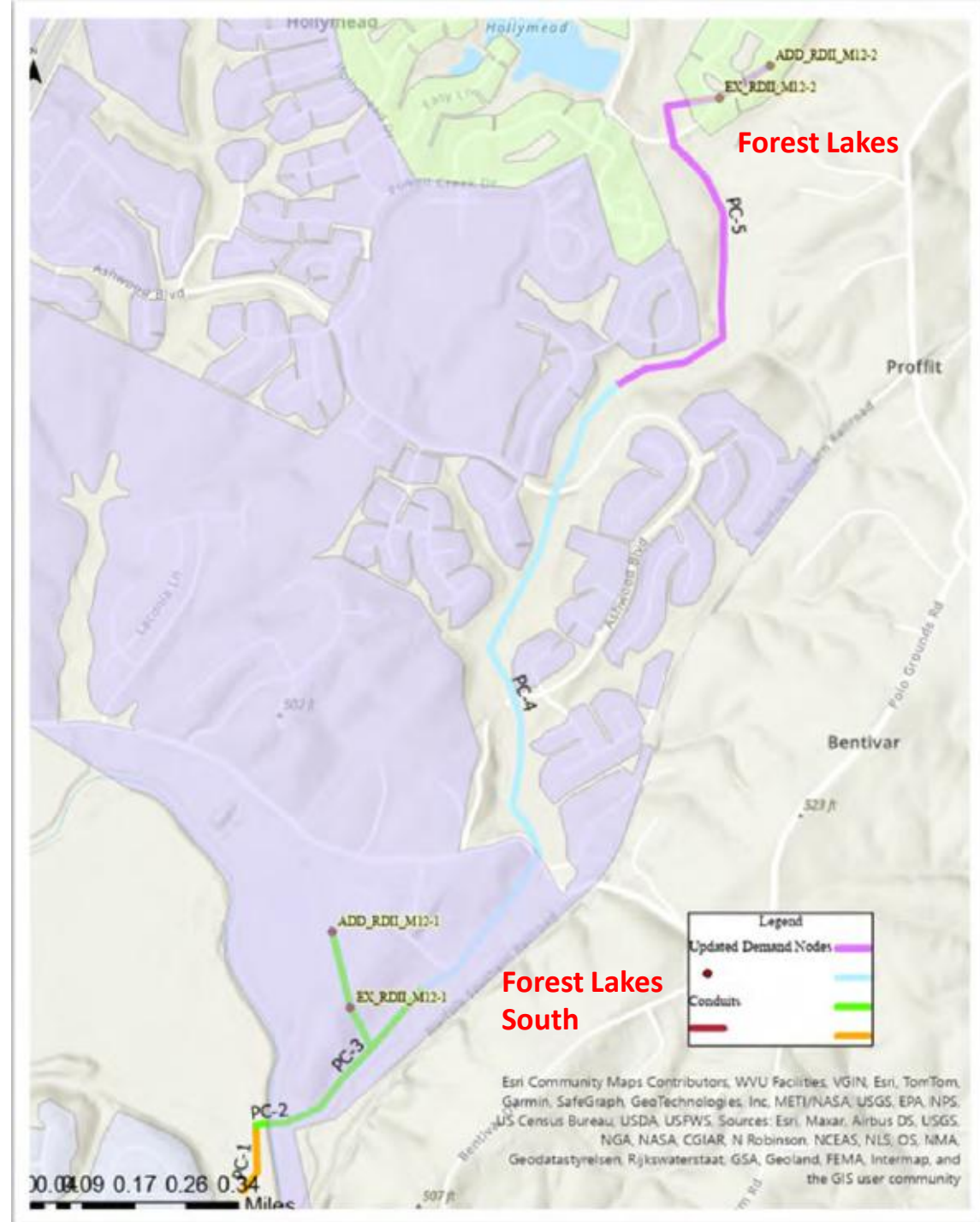
2025 - 2070



# Northern Area Utilities

## Sanitary Sewer Improvement Projects

### Powell Creek Interceptor PCI 4&5 PCI 1-3



# Conclusions

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- The 2025 NAMP showed faster growth than the 2019 UFWMP;
- The addition of AstraZeneca further increases anticipated demand;
  - Several projects to be advanced to meet this need
- With a projected AZ manufacturing start of 2027-2029, these projects need to begin preliminary engineering, evaluation, and permitting
- Request \$500,000 for each of three key projects for a total of \$1.5 M
  1. Airport Road Tank and Pumping Improvements
  2. North Fork Rivanna River Crossing and Select Piping Replacement
  3. Powell Creek Interceptor Upgrade

# Questions?

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## Board Action Requested:

Approve an Amendment to the FY 2026-2030 Capital Improvement Plan to advance \$1.5 M in funding for three projects: Airport Road Tank(s) and Pumping Improvements; North Fork Rivanna River Crossing and Select Piping Replacement, and the Powell Creek Interceptor Upgrade.