



Board of Directors Meeting

May 27, 2025

2:15pm



BOARD OF DIRECTORS

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

DATE: **MAY 27, 2025**

LOCATION: **Rivanna Administration Building (2nd Floor Conference Room),
695 Moores Creek Lane, Charlottesville, VA 22902**

TIME: **2:15 p.m.**

AGENDA

1. CALL TO ORDER

2. AGENDA APPROVAL

3. MINUTES OF PREVIOUS BOARD MEETING ON APRIL 22, 2025

4. RECOGNITION

5. EXECUTIVE DIRECTOR'S REPORT

6. ITEMS FROM THE PUBLIC

Matters Not Listed for Public Hearing on the Agenda

7. RESPONSES TO PUBLIC COMMENTS

8. CONSENT AGENDA

a. Staff Report on Finance

b. Staff Report on Operations

c. Staff Report on CIP Projects

d. Staff Report on Administration and Communications

e. Staff Report on Wholesale Metering

f. Staff Report on Drought Monitoring

9. OTHER BUSINESS

- a. Presentation and Consider Vote to Approve: FY 2025-2026 Personnel Management Plan Update: Leah Beard, Human Resources Manager*
- b. Presentation and Consider Vote to Approve: FY 2026 - 2030 Capital Improvement Program Budget: Jennifer Whitaker, P.E., Engineering and Maintenance Division Director*
- c. Presentation, Public Hearing, and Consider Vote to Approve: Resolution to Adopt the FY 2025 – 2026 Rate Schedule and FY 2025-2026 Budget: Bill Mawyer, P.E., Executive Director*
- d. Presentation and Consider Vote to Approve: Award of Construction Contract for the South Rivanna Water Treatment Plant Powdered Activated Carbon Project
Dyon Vega, P.E., Civil Engineer*

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

11. CLOSED MEETING

(Motion, second and roll call vote to enter into a closed session to discuss the award of a public contract involving the expenditure of public funds, including interviews of bidders or offerors, and discussion of the terms or scope of such contract, where discussion in an open session would adversely affect the bargaining position or negotiating strategy of the Rivanna Water and Sewer Authority, as permitted by the exemptions at Section 2.2-3711-A(29) of the Code of Virginia).

Motion*: *I move that the Rivanna Water & Sewer Authority enter into a closed session to discuss the award of a public contract involving the expenditure of public funds, including interviews of bidders or offerors, and discussion of the terms or scope of such contract, where discussion in an open session would adversely affect the bargaining position or negotiating strategy of the Rivanna Water and Sewer Authority, as permitted by the exemptions at Section 2.2-3711-A(29) of the Code of Virginia).*

12. CERTIFY CLOSED MEETING

(Motion, second and roll call vote to certify the closed session)

Motion*: *The Rivanna Water and Sewer Authority hereby certifies by recorded vote that, to the best of each member's knowledge, only public business matters lawfully exempted from the open meeting requirements of the Virginia Freedom of Information Act, and those public business matters as were identified in the motion authorizing the closed meeting were heard, discussed or considered in the closed meeting to which this certification resolution applies.*

** Closed meeting motion subject to change**

13. ADJOURNMENT

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

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

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

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

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

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

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

Rev. September 7, 2022



RWSA BOARD OF DIRECTORS
Minutes of Regular Meeting
April 22, 2025

A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was held on Tuesday, April 22, 2025 at 2:00 p.m. at the Rivanna Administration Building, (2nd Floor Conference Room), 695 Moores Creek Lane, Charlottesville, VA 22902.

Board Members Present: Mike Gaffney, Jeff Richardson, Sam Sanders (arrived at 2:22 p.m.), Ann Mallek (arrived at 2:20 p.m.), Brian Pinkston, Quin Lunsford, Lauren Hildebrand.

Board Members Absent: None.

Rivanna Staff Present: Bill Mawyer, David Tungate, Lonnie Wood, Jennifer Whitaker, Daniel Campbell, Scott Schiller, Michelle Simpson, Austin Marrs, Betsy Nemeth, Westley Kern, Leah Beard, Rebecca Bodor, Keith Covington, Deborah Anama, Jacob Woodson.

Attorney(s) Present: Micah Schwartz

1. CALL TO ORDER

Mr. Gaffney convened the April 22, 2025 regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority at 2:00 p.m.

He opened the regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority and noted that they had a quorum.

2. AGENDA APPROVAL

Mr. Pinkston moved the Board to approve the agenda as presented. Ms. Hildebrand seconded the motion, which carried unanimously (5-0). (Ms. Mallek and Mr. Sanders arrived after the vote.)

3. MINUTES OF PREVIOUS BOARD MEETING ON MARCH 25, 2025

Mr. Pinkston moved the Board to approve the minutes of the March 25, 2025 meeting as presented. Mr. Richardson seconded the motion, which carried unanimously (5-0). (Ms. Mallek and Mr. Sanders arrived after the vote.)

4. RECOGNITION

a. Resolution of Appreciation for Rebecca Bodor

Resolution of Appreciation for Rebecca Bodor

WHEREAS, Ms. Bodor has served as an outstanding Water Treatment Operator in the Water Department since September 2005, including 13 years at the highest Class 1 licensing level

47 while serving in our South Rivanna and Observatory Water Treatment Plants; and

48
49 WHEREAS, over the same period of almost 20 years, Ms. Bodor has demonstrated leadership in
50 her field and has been a valuable resource to the Authority and its employees; and

51
52 WHEREAS, Ms. Bodor's knowledge and understanding of the Water Department's operation as
53 well as her enduring dedication, loyalty, diligence, and personal contributions have positively
54 impacted the Authority and its employees.

55
56 NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water and Sewer Authority Board of
57 Directors recognizes, thanks, and commends Ms. Bodor for her distinguished service, efforts and
58 achievements as a long-standing member of the Rivanna Water and Sewer Authority, and
59 presents this Resolution as a token of esteem with its best wishes in her retirement.

60
61 BE IT FURTHER RESOLVED that this Resolution be entered upon the permanent Minutes of the
62 Rivanna Water and Sewer Authority.

63
64 Michael Gaffney, Chairman

65 Lauren Hildebrand

66 Quin Lunsford

67 Ann Mallek

68 Brian Pinkston

69 Jeff Richardson

70 Sam Sanders

71
72 **Mr. Pinkston moved the Board to adopt the Resolution of Appreciation for Rebecca Bodor.**
73 **Ms. Hildebrand seconded the motion, which carried unanimously (6-0). (Mr. Sanders**
74 **arrived late).**

75
76 Bill Mawyer, Executive Director, stated that Ms. Bodor had been a part of this organization for a
77 long time, during which they had grown significantly. He stated that she had been a great
78 member of their team and would be greatly missed.

79
80 Rebecca Bodor stated that she would miss all the people, too. She stated that this was what made
81 the organization so great.

82
83 *b. Resolution in Recognition of Earth Day*

84
85 Resolution in Recognition of Earth Day

86
87 WHEREAS, April 22, 2025, is Earth Day, an internationally observed day to recognize the
88 importance of protecting the environment and our natural resources to ensure that current and
89 future generations will have a healthy community in which to live; and

90
91 WHEREAS, the Rivanna Water & Sewer Authority relies on our local waterways to provide the
92 water we treat; and

93
94 *WHEREAS, the Rivanna Water & Sewer Authority is dedicated to returning treated, clean*
95 *wastewater effluent to our local waterways; and*
96

97 *WHEREAS, the Rivanna Water & Sewer Authority is committed to demonstrating and promoting*
98 *best practices in sustainability, resource conservation, and environmental education in our local*
99 *community.*
100

101 *NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water & Sewer Authority Board of*
102 *Directors recognizes the important role the environment has in the services we provide, and that*
103 *the Authority will continue to collaborate with the community to protect the natural resources*
104 *that we use and be good stewards of the environment. We also recognize and appreciate the*
105 *efforts made by other organizations to protect our natural resources. We encourage everyone to*
106 *participate in Earth Day events that are being held throughout the community.*
107

108 *Michael Gaffney, Chairman*
109 *Lauren Hildebrand*
110 *Quin Lunsford*
111 *Ann Mallek*
112 *Brian Pinkston*
113 *Jeff Richardson*
114 *Samuel Sanders*
115

116 **Ms. Mallek moved the Board to adopt the Resolution in Recognition of Earth Day. Mr.**
117 **Pinkston seconded the motion, which carried unanimously (7-0).**
118

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

120

121 Bill Mawyer, Executive Director, stated that they were currently in a transformational time for
122 their organization. He stated that many positive developments were underway, all of which were
123 attributed to the support of the Board. He stated that their organization was experiencing a
124 natural turnover of senior staff members retiring, and they were pleased to see them move on to
125 new chapters in their lives and to introduce new members who were taking on leadership roles
126 within the organization. He stated that they were embarking on several generational Capital
127 Improvement Projects, which they were eager to get underway. He stated that the commitment of
128 this Board had been instrumental in making these initiatives a reality.
129

130 Mr. Mawyer stated that he would like to introduce Keith Covington, who had recently been
131 promoted to Supervisor in the Water Department. He stated that Keith had been with their
132 organization for nearly three years, coming from Louisiana. He stated that prior to joining their
133 team, he had served in the Marines as part of his distinguished career. He stated that they were
134 thrilled to have him as part of their team and wished him continued success in his new role.
135

136 Keith Covington stated that he was a graduate of the University of Memphis with a bachelor's
137 degree in operations management. He had been a Class 1 Water Operator for approximately 13
138 years. He stated that prior to his move, he spent 10 years in Louisiana at Baton Rouge Water

139 Works, the largest water provider in the state, where he served as a production foreman. He
140 stated that his family had been looking for a change of pace and some relief from hurricanes, so
141 they relocated to Virginia. He stated that they loved it here and he thanked the Board for the
142 recognition.

143
144 Mr. Mawyer stated that he also wanted to congratulate Dylan Schweickert, who recently
145 obtained his Class 1 Water Operator license, and Simon Troop, who obtained his Class 2 Water
146 Operator license. He stated that having Class 1 Operators on site at all times was essential, and it
147 was important that they had staff members progress to the Class 1 level to provide the most
148 support. He stated that this was a great achievement.

149
150 Mr. Mawyer stated that next week, they would be celebrating National Drinking Water Week,
151 recognizing the dedication and hard work of their team and professionals who worked 24/7/365
152 to provide drinking water for our community. He stated that through their Strategic Plan priority
153 of Communication and Collaboration, they'd had success with Career Day at Woodbrook
154 Elementary and tours of their wastewater treatment plant and gave UVA students a tour of the
155 Observatory Water Treatment Plant. He stated that they appreciated the staff's support for these
156 tours, including Mr. Brian Haney, Wastewater Manager.

157
158 Mr. Mawyer stated that they have been actively pursuing grants, and they were pleased to have
159 received \$10 million in awards. He stated that although they had not yet received all the funds,
160 they were optimistic about the future. He stated that recently, they received \$8,500 from Federal
161 Emergency Management Agency (FEMA) for temporary repairs to the Ivy Creek stream bank,
162 which was damaged during Hurricane Helene. He stated that they had also applied for a
163 \$350,000 FEMA grant to support permanent repairs to the stream bank.

164
165 Mr. Mawyer stated that additionally, they had made progress on the Mechums River pipe repair
166 funding request, which would help offset costs. He stated that the news had been changing, but
167 yesterday they received notification that the Beaver Creek Dam project design grant, which had
168 been frozen for \$1 million, had been unfrozen. He stated that a court had ordered the release of
169 these funds, and they were now back on track with the design funding for the Beaver Creek
170 project. He stated that they planned to submit a \$20 million construction grant application in July
171 for that project, which had been part of their plan for some time.

172
173 Mr. Mawyer stated that they did have \$1 million in funding frozen for the Granular Activated
174 Carbon (GAC) project at the Crozet Water Treatment Plant, which was awarded through the
175 Virginia Department of Health's Emerging Contaminant Fund and funded by federal Bipartisan
176 Infrastructure Law dollars. He stated that this left them with \$6.2 million out of the \$7.2 million
177 they had initially been awarded. He stated that they were moving forward with the project and
178 expected to issue an invitation for bids as soon as the Virginia Department of Health completed
179 its review of their design plans. He stated that this project would add more GAC treatment
180 capacity at the Crozet Water Treatment Plant.

181
182 Mr. Mawyer stated that they also applied for a \$50 million grant through the Building Resilient
183 Infrastructure and Communities Program for the Rivanna to Ragged Pipeline project, but the
184 entire program was recently canceled by the federal government, making all those applications

void. He stated that in summary, out of the \$10 million they had initially reported as awarded in grants, they still had \$9 million actively moving forward. He stated that they would continue to monitor the situation and move forward with those projects.

Mr. Mawyer stated that from a legislative perspective, a bill had been recently approved by the Governor and the General Assembly that required waterworks owners such as Rivanna, to notify the Department of Health within two hours of an anomaly in the water system. He stated that this bill still requires discussion with the Health Department about what constituted an anomaly. He stated that this new requirement came on the heels of the Lake of the Woods water treatment plant problem last year, where a pump leak caused oil to enter the drinking water, and the Utility department failed to notify VDH in a timely manner.

Mr. Mawyer stated that the Richmond water treatment plant issue in January, where the plant went underwater, also exacerbated the need for improved communication with the Health Department. He stated that the legislator from the Lake of the Woods area put this bill forward, and it had been approved. He stated that the legislation initially required notification within six hours, but the Governor's Office had changed it to two hours.

Mr. Mawyer stated that they were establishing procedures for their chain of command to notify VDH within two hours of a significant problem within their water distribution or treatment systems. He stated that this was a collaborative effort with the City and the Service Authority to determine how to effectively communicate such notifications. He stated that additionally, the City, the County, and Rivanna participated in private development reviews for proposed projects, and House Bill 2660 had passed, which expedited review times for all of those organizations. He explained that where they once had 60 days, they now had 40 days, and where they had 30 days, they now had 20 days to complete action on the development application. He noted that this change would require the development review teams to adapt to the new guidelines.

Mr. Mawyer stated that additionally, a bill related to microplastics failed to pass, and a bill regarding monitoring PFAS from industrial wastewater was vetoed by the Governor. He stated that furthermore, a bill requiring 12.5% of labor hours to be performed by approved apprentices on their construction projects was vetoed, although it had been reduced to 8%. He stated that their professional organizations were working with the legislature and Department of Environmental Quality to address the feasibility of these proposed regulations in the future.

Mr. Mawyer stated that the DEQ had created the Middle James Regional Planning Unit #1, which included their area, and they were required to develop a regional water supply plan within five years. He stated Jennifer Whitaker was RWSA's representative on that committee. He stated that the group had its initial meeting at the County Office Building last month, and the next meeting was scheduled for May. He stated that he believed the Thomas Jefferson Planning District Commission (TJPDC) would facilitate and oversee the committee to help develop the plan.

Mr. Mawyer stated that he would like to mention one other piece of legislation that was discussed last month. He stated that there was a federal discussion about removing the tax-exempt status for municipal bonds, which would increase the cost of their borrowing. He stated

231 that they would continue to monitor that proposal. He stated that removing the tax-exempt status
232 from municipal bonds would increase tax revenues for the federal government, but would
233 increase the cost of borrowing for municipal organizations such as Rivanna.
234

235 Mr. Mawyer stated that a few months ago, the Board discussed Rivanna's property at 1706 Buck
236 Mountain. He stated that the property included the house shown on the slide, which the Board
237 had authorized staff to sell. He stated that they had carved off two acres from the parcel, which
238 was intended for the reservoir planned for Buck Mountain many years ago. He stated that the
239 parcel was outside the proposed normal pool area, so a reservoir in the future would not be
240 impacted by the sale of this property. He stated that the house had previously been owned by
241 individuals with a life estate, who had passed away.
242

243 Mr. Mawyer stated until recently, people were living in the house and had been given a notice to
244 vacate. He stated that the house was in a state of significant disrepair, so they had demolished it
245 and cleared the area. He stated that they had issued an Invitation For Bids, with a minimum bid
246 price of \$100,000, to sell the 2.18 acres. He stated that they hoped to bring a high bidder to the
247 Board next month to sell that 2-acre parcel.
248

249 Mr. Richardson asked if they had an appraisal for that piece of property.
250

251 Mr. Mawyer replied that they had a County assessment, but it applied to the larger parcel and not
252 only to the 2 acres. He stated that their minimum bid number was based on their own
253 estimations, but they would likely hear more about this at the pre-bid meeting, where prospective
254 bidders could share their thoughts on whether the minimum price was too high or too low.
255

256 Mr. Richardson stated that he understood the staff's reasoning; he was simply curious about the
257 matter.
258

259 Mr. Mawyer stated that this property was a building lot, suitable for someone to construct a
260 house. He stated that a soil scientist evaluated the site and found two septic sites, making it a
261 very buildable lot.
262

263 Ms. Mallek noted that it was the only buildable area on the property, as everything else sloped
264 downward. She stated that she was surprised by the low minimum bid, as it was the only usable
265 part of the property. She stated that other lots in the County were priced at much higher rates.
266

267 Mr. Mawyer clarified that the decision to sell the property ultimately rested with the Board. He
268 stated that they would obtain bids and the Board would decide whether to proceed with the sale.
269 He stated that however, they had established the requirement for a minimum price when they
270 drafted the lease and sale procedures in 2022, at the Board's request, to prevent the property from
271 being sold for an unreasonably low price. He stated that even with a minimum price, it was still
272 within the Board's discretion to approve or reject the sale.
273

274 Mr. Gaffney stated that they could hire an appraiser before setting a minimum bid, if the Board
275 desired.
276

Mr. Mawyer stated that the market would ultimately dictate what the value of the property should be. He stated that was their approach.

Mr. Mawyer stated that the Rivanna Pump Station restoration was substantially complete. He stated that they had installed the six new pumps, which were rebuilt units with new motors. He stated that they were currently testing these new pumps before removing the temporary pumps, which were still in operation.

Mr. Mawyer stated that they were hopeful that by next month, they would be able to remove all the temporary equipment, as the new permanent pumps would be active and operational. He stated that their current budget estimate for this project was \$17 million, a significant reduction from the original \$22 million. He stated that they were working with Virginia Risk Sharing Association (VRSA), their property insurance company, to allocate the costs between repairs and improvements.

He stated that they expected VRSA to reimburse for the cost of repairs, but Rivanna would need to pay for the improvements. He stated that they were also hoping to bring a recommendation for award of the Central Water Line project to the Board next month. He stated that the bidding process was scheduled for May. He stated that they also had a powdered activated carbon equipment project to replace at the South Rivanna Treatment Plant out to bid. Grading and clearing work around Ragged Mountain Reservoir, which would allow them to raise the pool level by 12 feet and add 700 million gallons, is also out to bid.

Ms. Mallek commented that there would be considerable revenue from the timber at the reservoir.

Mr. Mawyer clarified that they actually had stated that the contractor must burn the timber in the burn boxes at the reservoir. He stated that this aligned with their previous understanding when the new dam was built, where the timber remained on-site. He stated that they planned to inquire with the bidders during the pre-bid process about the potential value of the timber. He stated that one downside was that the timber had to be transported in and out, which could have a negative impact on the neighborhood.

Ms. Mallek noted that there may be significant negative impact to the air quality of the neighborhood with the burning of all the timber, too.

Mr. Mawyer stated that according to their current plans, these burn boxes that minimized smoke emissions would eliminate the need for timber removal. He stated that however, they would explore the option of selling the timber, as well.

6. ITEMS FROM THE PUBLIC

There were none.

7. RESPONSES TO PUBLIC COMMENT

There were no comments, therefore there were no responses.

8. CONSENT AGENDA

- a. Staff Report on Finance*
- b. Staff Report on Operations*
- c. Staff Report on CIP Projects*
- d. Staff Report on Administration and Communications*
- e. Staff Report on Wholesale Metering*
- f. Staff Report on Drought Monitoring*

9. OTHER BUSINESS

- a. Presentation: PFAS in Water and Wastewater*

Mr. Gaffney stated that he was pleased to welcome Dr. Bryan Berger, Associate Professor of Chemical and Biomedical Engineering at the University of Virginia, to their meeting today. He noted that Dr. Berger held a Bachelor of Science degree in Chemical Engineering from the University of Illinois at Urbana-Champaign and a Doctor of Philosophy degree in Chemical Engineering from the University of Delaware. He stated that Dr. Berger was a postdoctoral fellow in the Department of Biochemistry and Biophysics at the University of Pennsylvania School of Medicine. He stated that Dr. Berger had recently been awarded a \$1.6 million Environmental Protection Agency (EPA) grant to research methods for reducing the impact of per- and polyfluoroalkyl substances (PFAS) in food and farming communities.

Dr. Bryan Berger thanked Mr. Gaffney for the introduction. He stated that he had organized his presentation to serve as a general overview of his work. He explained that they had recently received the grant in the fall, so they were just beginning this project. He stated that he would discuss PFAS, what they had learned, and the project they would pursue. He stated that he would touch on some offshoots of this work, primarily related to detection.

Dr. Berger stated that his work intersected with biotechnology, agriculture, environment, and sustainability. He stated that much of their work focused on translation and technology development. He stated that he would cover two main topics today. He stated that first, he would focus on detecting and removing forever chemicals, primarily in agriculture, as part of the EPA grant they had been awarded. He stated that next, he would discuss how their work was intersecting with microplastics, environmental antimicrobial resistance, and the nexus of these issues in water and wastewater. He stated that they were working in partnership with the United States Department of Agriculture on this latter topic.

Dr. Berger stated that he was sure this would not require motivation for their group, but the

target was constantly changing and becoming increasingly challenging. He stated that the draft recommendations from the UK, dated December 2024, served as a starting point. He stated that PFOA and PFOS were the primary targets they had, as they were the most prevalent breakdown products of long-chain PFAS compounds in the environment. He stated that another industrial legacy chemical, PFBS, also showed up. What struck him was the extremely low level of detection, often just a single molecule in the water, which made it a significant challenge.

Dr. Berger stated that he would like to show an illustration of the challenge when it came to PFAS. He stated that they worked closely with communities in northern Maine, particularly collaborating with the Soil and Water Conservation District in that area. He stated that Maine was likely one of the leaders, if not the leader, in the US in terms of regulations surrounding PFAS because they had been disproportionately affected more than other states. He stated that the provided picture was a beautiful lake in northern Maine, located at the Aroostook County National Wildlife Refuge.

Dr. Berger noted that what was not immediately apparent was that it was a heavily polluted PFAS site. He stated that during their water testing at Malabean Lake, they found levels that were at least 100 parts per trillion, significantly higher than the current standard. He stated that this highlighted one of the biggest challenges with this issue: determining its presence, as PFAS were ubiquitous in the environment but not always obvious.

Mr. Pinkston asked why the concentration of PFAS was so high in Maine.

Dr. Berger replied that there were many reasons, one of which was that the site they were working on was a Superfund site, specifically the former Loring Air Force Base. He stated that the site had been closed for at least a decade, if not more. He stated there had been eight types of firefighting foam that were used due to the highly combustible materials stored there, including munitions and missiles.

Dr. Berger stated that it was the northeastern-most base in the United States; it was only a three-to four-hour flight to Ireland. He stated that this site was used during World War II, and as a result, it contained a significant amount of highly combustible materials. He stated that the presence of these materials led to the use of firefighting foam nearby, which was one of the largest sources of PFAS compounds. He stated that this was only one of the reasons for the high concentration of PFAS, however. He stated that in total, over 4,000 PFAS compounds had been identified. He stated that these compounds were ubiquitous in food, consumer, and industrial products.

Dr. Berger stated that on the slide was a graphic that illustrated some of these compounds. He stated that it took over a thousand years for them to biodegrade in the environment, and they were linked to a wide range of health issues. He stated that one question often raised was, why did these compounds persist for so long? He stated that to answer this, they needed to consider the properties of fluorine, which was a key component of these compounds.

Dr. Berger stated that fluorine was the most electronegative element and created a partial ionic character in the compounds. He stated that this ionic bond was a strong bond with electrons and

often referred to as the strongest bond in organic chemistry. He stated that fluorine was not an essential element for life, and as a result, there was no natural process in the body that used it, nor was there a natural process to eliminate it from the environment. He stated that this was one reason why these compounds persisted for thousands of years.

Dr. Berger stated that they examined the challenges in agriculture, and this project had been a focal point over the past few years, with numerous inputs involved. He stated that biosolids were one example. He stated that in Maine, where they were working, irrigation water posed a significant challenge. He stated that pesticides and other agrochemical inputs could contaminate soil, ultimately leading to groundwater contamination, which affected residential water and wastewater. He stated that people come into direct contact with it, and it ends up in crops, the food we eat, and the food that feeds animals, releasing it back into the environment and into finished food products.

Dr. Berger explained that approximately one-third of agrochemicals are fluorinated to increase stability, making them a significant source of PFAS. He stated that polyethylene fluorination was also common in packaging to reduce oxygen or moisture barriers, which affected a substantial amount of food packaging. He stated that these were just a few examples of where these contaminants originate. He stated that Randy, who was pictured on the slide, was the director of the Central Aroostook Soil and Water Conservation District and a professor at the University of Maine. He stated that they worked with him directly, and also pictured was his farm. He stated that he irrigated annually with water from the Aroostook River, and testing had revealed very high levels of PFAS.

Dr. Berger stated that farmers, particularly, were vulnerable to this issue. He stated that they collaborated with him extensively, and the listed articles also discussed the uncertainty of impacts on agriculture. He stated that the displayed map showed agricultural sites adjacent to industrial discharge sites in the U.S. He stated that on average, most agricultural sites, especially in the eastern half of the country, were within a reasonable distance of industrial PFAS discharge sites. He stated that this proximity posed a significant challenge, as PFAS were ubiquitous throughout food webs. He stated that he previously mentioned pesticides as one source. He stated that in Maine, they had tested fish, deer, livestock, game, and found bioaccumulation of PFAS in these species as well. He stated that it was now a full circle throughout the environment.

Dr. Berger stated that part of the EPA grant, and they would be happy to collaborate with Rivanna and others on this issue, was regarding how they all planned to test for these chemicals. He stated that currently, testing costs between \$300 to \$500 per test, with a turnaround time of 10 to 14 days to receive results. He stated that there was limited availability of this testing method. He stated that in Maine, for example, there was only one commercial lab capable of serving the entire state. He stated that considering the numerous farms and communities affected, this testing method was not a fast or easy solution for individuals to test for this problem. He stated that one of his labs at the University of Virginia was focusing on this issue.

Mr. Pinkston asked if they were focusing on how to test more reliably.

Dr. Berger replied yes; he would explain more about that. He stated that he had provided some of

461 their published papers, which led to the EPA grant. He stated that they were also currently
462 working with the state on developing low-cost, point-of-detection testing. He stated that the
463 method would allow them to dip a sample into water and determine if PFAS was present.
464

465 Dr. Berger explained that while it was not as accurate or sensitive as the standard mass spec
466 method, it offered significant cost and time savings. He stated that they estimated the cost of this
467 test to be around \$1 per sample, compared to hundreds of dollars for more traditional methods.
468 He stated that the trade-off was that they sacrificed some chemical information and sensitivity,
469 but they gained the ability to conduct rapid field testing. He stated that they had been validating
470 this method over the past few years, and this work aligned with Mr. Pinkston's earlier question.
471

472 Dr. Berger stated that much of the tribal land adjacent to the Loring Air Force Base was part of
473 the Mi'kmaq Nation, and they worked closely with them as part of the EPA grant. He stated that
474 they were an agriculture-driven community and disproportionately affected, as well as interested
475 in understanding how PFAS ended up in their communities. He stated that on the provided map,
476 the star indicated the location of their community, on the northeastern-most tip of Maine, near
477 New Brunswick.
478

479 Dr. Berger stated that the main question from the Nation was where the PFAS was coming from.
480 He stated that they tested different sources throughout central Aroostook County. He stated that
481 they were able to sample rapidly throughout the summer and at different times and conditions,
482 providing quick answers. He stated that it was crucial for predicting the fate and transport of
483 PFAS in the environment, which would be essential in the future. He stated that the data
484 presented here demonstrated the effectiveness of their method.
485

486 Dr. Berger stated that they had benchmarked their sensor against data provided and showed good
487 agreement between the two. He stated that this was their first validation of this approach. He
488 stated that they then ventured into more isolated areas of the wildlife refuge to investigate the
489 spread of PFAS beyond the Air Force Base and the Mi'kmaq tribal lands. He stated that the next
490 slide had photographs of their expedition into the woods in search of PFAS. In their previous
491 paper, published last year, they had conducted a head-on comparison of their biosensor results to
492 third-party independent testing using the gold standard mass spectrometry method, finding good
493 agreement between the methods. He stated that this was surface water sampling.
494

495 Dr. Berger stated that as a result, they now had a method available for surface water sampling
496 testing. He stated that he would be happy to share the paper where they documented their results.
497 He stated that looking ahead, the challenge was determining how to ensure that PFAS were
498 detected in food products, such as broccoli irrigated with water from the Aroostook River, which
499 was known to contain PFAS. He stated that their next step was to extend this method not just to
500 water, but also to food, as PFAS could end up in finished food products.
501

502 Dr. Berger stated that they had conducted some early testing for those interested. He stated that
503 northern Maine was a significant potato-producing region in the United States, historically the
504 largest before Idaho took over. He stated that he had heard many stories about the history of
505 potato production in Maine. He stated that Randy was a third-generation farmer, and potatoes
506 were crucial to the community. He stated that therefore, they were testing the red Norland

507 potatoes, their main varieties, from different water sources used by farmers in Maine to irrigate.
508 He stated that they sampled continuously throughout the growth season to determine where
509 PFAS accumulated.

510
511 Dr. Berger stated that interestingly, their findings showed that in the roots and tubers of the plant,
512 no PFAS were detected, even though it was irrigated with PFAS-containing water. He stated that
513 however, the leaves, which were the vegetative part of the plant, did accumulate PFAS. He stated
514 that based on this study, one potential outcome was that they would need to educate farmers and
515 consumers on ways to cultivate or process food to minimize PFAS exposure. He stated that in
516 this case, even if the water contained tens to hundreds of parts per trillion of PFAS, it was
517 unlikely that these contaminants would accumulate in the edible part of the potato. He stated that
518 this data was crucial for informing the public, and they were working to generate and
519 disseminate it.

520
521 Dr. Berger stated that another area of focus was the “plastisphere,” which referred to the concept
522 that microplastics existed as a source of PFAS accumulation and vehicle to transport
523 antimicrobial-resistant pathogens during wastewater treatment. He stated that they were also
524 studying how microplastics could facilitate the deposition and mobility of PFAS in water, as well
525 as the transport and fate of other contaminants such as enteric bacteria. He stated that their
526 research was supported by the state, through Virginia Innovation Partnership Corporation
527 (VPIC), and they were currently in the process of commercializing their biosensors.

528
529 Dr. Berger stated that the work had been conducted by Madison Mann, who was now working at
530 a biotech company, and they had another student assisting them with this project. He stated that
531 he was happy to answer questions and provide updates as they continued, as they had two years
532 remaining on this four-year grant.

533
534 Mr. Gaffney asked if the testing in Maine included testing of groundwater from wells.

535
536 Dr. Berger stated that last summer, they had jumped the gun because they did not know if the
537 grant would be funded, so they only conducted testing using irrigation water from the river. He
538 stated that this summer, with the funding in place, they planned to expand their testing to include
539 wells and other sources. He stated that most growers in central Aroostook relied on the river as
540 their primary source of irrigation water, which was typically used for early crops such as
541 Brussels sprouts and broccoli, their cash crop, which generated most of their income.

542
543 Dr. Berger stated that later in the season, they planted corn, soybeans, and potatoes, making them
544 more vulnerable to fluctuations in water availability. He stated that this year, they would conduct
545 more sampling to better understand the impact of different water sources. He stated that by
546 September, he would be able to provide a clearer answer.

547
548 Mr. Gaffney asked if there was testing of the final food supply that came out of that region.

549
550 Dr. Berger stated that the report in question was written by Randy and himself for the Soil and
551 Water Conservation District. He stated that as part of the grant, they were required to
552 disseminate this information to the public. He stated that to fulfill this obligation, they typically

published quarterly reports, which focused on the crops themselves, with potatoes being the primary crop of interest. He stated that this year, they had data available, but they were hoping to collect more extensive information this summer, including corn, soybeans, other commodity crops, and vegetables such as broccoli and Brussels sprouts.

Ms. Mallek stated that dairy was a main concern for Maine farms, as well.

Dr. Berger stated that was right. He stated that the two articles he had referenced in the picture were where a lot of this began. He stated that the biosensor he had described for water was actually being tested in milk right now, using it as a milk sensor. He stated that this was due to the legacy of dairy, which was one of the most bio-accumulative substances because of its high fat content. He stated that as a result, animal tissue also accumulated it.

Dr. Berger stated that he believed that water limits were set at parts per trillion, but in game meat, the limit was parts per billion. He stated that routine sampling in Maine had shown that it was approximately a thousand times more concentrated in tissue due to grazing and vegetation in the wildlife refuge. He stated that dairy was another significant concern as well.

Ms. Mallek asked about the connection between sludge application to the fields and PFAS contamination.

Dr. Berger stated that was correct. He stated that there were various sources contributing to this issue. He stated that they initially discussed this problem due to the Superfund site, specifically the use of firefighting foam. He stated that in northern and central Maine, the farmland was far enough away from that site that it was primarily affected by biosolids. He stated that in Maine, biosolids were no longer allowed to be used, and he believed that other New England states, such as Vermont, were also taking steps to follow suit, primarily due to the bioaccumulation of the substance in biosolids being detected through sampling.

Mr. Gaffney asked what the outcome would be for the biosolids now that they could not apply them to the land.

Dr. Berger stated that was a good question. He stated that the treatment and destruction of biosolids, like PFAS, posed a significant challenge in itself. He stated that he believed there were emerging technologies that could address this issue. He stated that, to his knowledge, there was still active research being conducted to determine how these technologies would be effective in dealing with PFAS.

Ms. Mallek stated that the wastewater production was also a common excuse that people were using to justify the spread of biosolids. She stated that it was a problem that needed to be addressed because it was not a viable solution.

Dr. Berger stated that the challenge was huge, and in Europe, for instance, soil amendments were more prevalent than even in certain parts of the United States, largely due to the widespread practice of organic agriculture. He stated that in Europe, they had been approved to use biosolids for organic treatments for soil, which had led to a different approach. He stated that as a result,

they were more exposed to certain issues, which was not the case in this approach.

Ms. Mallek asked if they were applying biosolids from wastewater treatment or just cow manure.

Dr. Berger stated that to his recollection, it was both. He stated that he would have to locate the articles he had read about the subject, because he was unsure. He stated that recently, there was a significant European Union (EU) ban on wastewater-derived biosolids in the Netherlands and France, where it was discovered that these biosolids were being blended and used as soil amendments, posing an uncontrolled risk. He stated that this theme of finding the source of contamination was a common thread in this discussion.

Ms. Mallek stated that she would be glad to participate in giving local vegetable and animal samples to test for PFAS contamination. She stated that the issue had been all-consuming for her. She asked about the threshold tested was down to the 4 parts per trillion (ppt) yet.

Dr. Berger replied that it was not yet. He stated that the technical limitation of the actual detection device was likely the primary reason. He stated that they were working on overcoming this limitation, thanks in part to the VIPC grant, which was allowing them to collaborate with others. He stated that their current detection capabilities were in the parts per trillion range, as demonstrated in milk, which was a promising sign. He stated that in the context of animal tissue, their current detection method was adequate, but in water, the situation was more complex, as the concentrations of the compounds in question varied widely, from 400 parts per trillion to 0.4 parts per trillion.

Ms. Mallek stated that food may be PFAS-free when it was grown, but when wrapped in plastic, PFAS was transferred to the food in the grocery store. She asked if the future research would include testing of packaging.

Dr. Berger stated that the USDA was more interested in the downstream contamination of packaging. He explained that many corrugated materials fluorinated, and a byproduct of that generated PFAS. He stated that although the amount was relatively small, it was enough to be transferred into finished food products, particularly those with moisture barrier packaging such as fruits and vegetables, especially imported ones. He stated that the packaging industry was now rapidly seeking alternatives to these materials, as they had been used extensively.

Dr. Berger noted that cosmetics, skincare, and consumer products with moisture barrier properties also posed a risk. He stated that a good source of information on this was the Food and Drug Administration (FDA), which provided routine testing results on its website. He stated that they would also conduct random sampling and report the results, which was often where he found more information.

Mr. Pinkston thanked Dr. Berger for his dedication to this work, which would ultimately benefit the community in a specific way. He asked how the 4 parts per trillion correlated to health risks associated with PFAS. He asked if it was a best estimation or determined from a result of testing.

Dr. Berger stated that their pilot project would provide valuable insights into the health impacts

and how environmental levels correlated. He stated that they would conduct testing to examine the effects of microplastics on fluoro-sclerotic lesions and plaques, which could behave similarly to those mentioned earlier. He stated that there were existing publications that had explored this topic, and he thought the focus should be on bioaccumulation.

Dr. Berger stated that in animal tissue, microplastics had been found to accumulate at a thousand-fold higher concentration, such as parts per billion compared to parts per trillion in water. He stated that it was this chronic exposure over time and bioaccumulation in the body that he believed was contributing to the observed health issues, which were more of a long-term concern rather than an acute problem.

Ms. Mallek asked if there was any research into how to filter it out.

Dr. Berger stated that there was a separate study that they had published that explored the use of plants for phytoaccumulation. He stated that the concept was to remediate soil using specific types of plants, particularly those known as hyperaccumulators. He stated that in that specific instance, they were intentionally searching for these plants.

b. Presentation: PFAS Regulatory and Class Action Litigation Update

David Tungate, Deputy Executive Director, stated that he would discuss their current status with PFAS class action litigation cases. He stated PFAS compounds are prevalent in consumable materials such as non-stick cooking materials, water-resistant clothing, as well as food packaging such as the coating inside microwave popcorn bags.

Mr. Tungate stated it was worth noting that PFAS is not easily absorbed through the skin, so showering, bathing, and washing dishes with water containing PFAS were activities unlikely to significantly increase the health risk. This aligns with an earlier presentation by Dr. Berger. He stated that the EPA established drinking water regulations on 5 PFAS compounds almost a year ago. He stated that the maximum contaminant levels (MCLs) for PFOA and PFOS were 4 parts per trillion, while PFHxS, GenX compounds, and PFNA were 10 parts per trillion. One part per trillion is equivalent to one inch in 16 million miles, one penny in \$10 billion, or one second in 32,000 years. These units are extremely low.

Mr. Tungate stated that the hazard index was a calculation used to measure exposure to the combination of 4 PFAS compounds (Gen X, PFBS, PFNA, PFHxS) to create a number to measure PFAS exposure. The Hazard Index is calculated quarterly, and compliance is done off of the 4 most recent quarters. If the Hazard Index is greater than 1.0, it is a violation.

Mr. Tungate stated that RWSA currently had granular activated carbon contactors at five of their water treatment plants and would soon add a GAC contactor to the Red Hill groundwater system. He stated that a CIP project was underway to add a GAC contactor to the Red Hill groundwater facility, primarily to maintain the same level of water treatment at all RWSA water treatment plants. He stated that GAC was considered the best management practice for PFAS treatment. He stated that RWSA began testing their drinking water for PFAS in 2014.

691 Mr. Tungate stated that RWSA's first PFAS samples had been collected as part of the
692 Unregulated Contaminant Monitoring Rule 3 (UCMR 3), with minimal detections at very low
693 levels. The UCMR 5 rule requires water utilities to test for 29 PFAS compounds. The UCMR
694 process was designed to determine the prevalence of unregulated contaminants in their
695 communities. The EPA will then use this UCMR information to formulate drinking water
696 maximum contaminant levels.

697
698 Mr. Tungate stated that RWSA has collected PFAS samples more than 25 times at the five
699 surface water treatment plants and 20 times at the Red Hill groundwater system. He stated that a
700 PFAS sample kit required the sampler to fill approximately 20 containers for each sample
701 location at approximately \$395 per sample. He stated that the samples contained a trip blank,
702 which is a PFAS-free sample that remains with the sample bottles at all times. There is also a
703 field trip blank to determine if there was any contamination during sampling and shipping.

704
705 He stated that these two blanks were crucial, as the lab is looking for parts per trillion, and any
706 cross-contamination could affect the accuracy of the results. He stated that they must also be
707 mindful of potential PFAS contamination from the sampler; makeup, sunscreen, Gore-Tex, and
708 any PFAS containing materials. He stated that some of the PFAS detections in their system
709 included an incident in May 2023 at North Rivanna Water Treatment Plant. RWSA samples
710 indicated PFOA and PFOS sample results exceeded the current drinking water regulations. In
711 2023 there were no maximum containment levels for these chemicals. The North Rivanna Water
712 Treatment Plant was shut down and sampled again. These second set of samples indicated that
713 there were no further issues with PFAS detections at North Rivanna Water Treatment Plant.

714
715 Mr. Tungate stated that it was essential to note that the MCLs for the PFAS chemicals are
716 calculated as a four-quarter running annual average. All four samples collected each quarter of
717 the year are averaged to provide a number.

718
719 Mr. Tungate stated that moving on to their class action lawsuits, there were four defendants
720 involved: 3M, Dupont, Tyco and BASF. The 3M class action lawsuit has \$10.5 billion dollars in
721 it, Dupont has \$1.18 billion dollars, which are the largest of the class action lawsuits. Tyco has
722 \$0.75 billion dollars, and BASF has \$0.31 billion dollars. Mr. Tungate estimated the settlement
723 amounts we would receive for the 3M and Dupont class action lawsuits were approximately \$2
724 million over the course of 10 years, with \$200,000 predicted annually for the next decade.

725
726 Mr. Tungate stated that these numbers were more concrete than the 2024 PFAS report as the
727 settlement amounts have been more finely tuned, which provides a clearer picture. He stated
728 that they expect to receive the funds from these settlements soon. He stated that the next
729 settlement will be the Tyco and BASF cases, with an approximate settlement to Rivanna of
730 \$900,000.

731
732 Mr. Pinkston asked if they had any data that demonstrated that the GAC removed PFAS.

733
734 Mr. Tungate explained that when RWSA staff collected PFAS samples, they took samples from
735 both raw and finished water samples. He confirmed that yes, the data demonstrated the removal
736 of PFOA and PFOS from the water with their GAC contactors.

c. *Presentation: Wastewater Treatment, Facilities, and Staffing Overview*

Daniel Campbell, Director of Operations and Environmental Services, stated that today, he would be discussing the staffing, budget, facilities, and treatment processes for their wastewater department. He stated that he would start with the facilities. He stated that many of them were familiar with the Moores Creek Advanced Water Resource Recovery Facility, which they were currently operating. He stated that however, they also operated three other wastewater facilities in the area.

Mr. Campbell stated that in the top right-hand corner of the slide, they had Stone Robinson, a small package plant that served Stone Robinson Elementary School with a permitted capacity of 7,000 gallons a day. He stated that below that, they had the Glenmore treatment plant, with a 380,000-gallon-per-day treatment capacity serving the Glenmore community. He stated that also in the southern end of the County, they had the Scottsville treatment plant, with a 200,000-gallon-per-day permitted capacity.

Mr. Campbell explained that the wastewater entering the treatment plant was referred to as influent. He stated that they had two influent pumping stations: the Moores Creek Pump Station, located at the top of the screen, and the Rivanna Pump Station, located at the bottom. He stated that the service areas for each pump station were depicted on the map. He stated that Rivanna Pump Station service area, in yellow, extended from here to Piney Mountain, north of the airport, and Moores Creek Pump Station service areas, in blue, extended to the south, past the high school, and then to the west to Crozet. Mr. Campbell noted that the wastewater from Crozet was pumped into the Moores Creek Pump station through the four pump stations in Crozet.

He stated that next was a picture of the wet side of Moores Creek. He stated that the plant was essentially split into two sides, each operated independently. He stated that they had the wet side, which was the treatment process that would be released into Moores Creek, and the solids side, located towards the northeast. He indicated the elements of the wet side were the admin building, the two primary clarifiers, aeration basins, chemical storage, and secondary clarifiers, one on each side of the sludge pumping building.

Mr. Campbell stated that as the influent entered the plant through the pump stations, it passed through the headworks for screening and grit removal, then proceeded to the primary clarifiers. He stated that the influent flow traveled through the basin while the sludge settled to the bottom, and the primary effluent was directed to the aeration basins. He stated that skimmers on the top of the primary clarifiers removed grease and oils. He stated that these were covered to control odors. He stated that the primary clarifiers were a significant source of odors in the plant, so they were covered.

Mr. Campbell stated that a network of pipes above the aeration basins was for biological odor control, which would be explored further in the presentation. He stated that in this overview, it would not be necessary to delve into enhanced nutrient removal. He stated that the primary clarifier effluent was blended with microbes stored in the bottom of the secondary clarifiers, which were nitrifiers. He stated that these microbes converted ammonia to nitrogen gas. He stated that additionally, biological phosphorus removal occurred along the way.

783
784 Mr. Campbell stated that next, the aeration basin effluent was then directed to the secondary
785 clarifiers, which followed a similar process to the primary clarifiers. He stated that the inflow
786 flowed to the secondary clarifiers and to the tertiary filters for filtration. He stated that however,
787 the sludge on the bottom was the activated sludge with microbes, which would be recycled and
788 reused at the start of the aeration basins.

789
790 Mr. Campbell stated that to complete the wet side final treatment, they jumped to the other end
791 of the property, which was highlighted on the next slide. He stated that they were now moving to
792 the tertiary filters, Ultra Violet light disinfection, and outfall. He stated that the tertiary filters
793 were where secondary effluent went next for filtration. He stated that the sand filters removed
794 fine particles prior to UV disinfection, which was crucial because it enhanced the effectiveness
795 of UV disinfection, allowing for greater intensity and reduced transmittance.

796
797 Mr. Campbell stated that the next picture was of the four UV channels shown here at Moores
798 Creek. He stated that the number of channels in service at any given time was determined by
799 plant operating conditions and flow through the plant. He stated that these channels provided
800 disinfection prior to the outfall. He stated that they jumped back to the solids side, where the
801 processing of sludge to biosolids occurred. He stated that this included the sludge that settled in
802 the bottom of the primary clarifiers and the activated sludge that is trimmed and sent to the
803 gravity thickeners.

804
805 Mr. Campbell stated that the trimmed inventory (waste activated sludge) from their activated
806 sludge and sludge from the primary clarifiers was pumped to the three primary digesters, where
807 anaerobic digestion took place. He stated that sludge was applied with heat, mixed, and subjected
808 to no oxygen, resulting in a process that completed in under a month. He stated that the sludge
809 then entered the secondary digester, where methane gas was captured and stored in the methane
810 sphere. He stated that they used this methane to power the boilers that heated the digester. He
811 stated that sludge was pumped from the sludge storage area and then transported to the solids
812 handling building for processing.

813
814 Mr. Pinkston asked if, in the primary clarifiers, the process was continuous, or it required
815 periodic filling and waiting. He stated that they had continuous input to the process, so he was
816 wondering if it was stored or staged.

817
818 Mr. Campbell stated that Mr. Haney's team was constantly measuring the blanket depth in the
819 facility, allowing them to track the amount of solids present and the necessary removal. He stated
820 that typically, these remained in service at all times. He stated that at the bottom of the facility,
821 rakes ran around, and Mr. Haney's team was deciding when to remove a sufficient amount and
822 when to remove some of the sludge to the digesters.

823
824 Mr. Pinkston asked if they were measuring the conditions.

825
826 Mr. Campbell confirmed that was correct. He continued to state that once the sludge entered the
827 solids handling building from the storage, it passed through one of two centrifuges, with only
828 one in service at a time. He stated that these centrifuges dewatered the anaerobic sludge,

ultimately converting it into biosolids. He stated that in 2024, Moores Creek generated approximately 13,000 tons of biosolids and made 524 trips to McGill Environmental, the compost facility in Waverly, Virginia.

Mr. Campbell stated that the next two slides would discuss information on odor control. He stated that the biological odor control system, which they had observed in the primaries, utilized covers on top of the primary clarifiers. He stated that this system differed from Crozet's in that it relied on nutrients being fed to a series of media for biological growth, controlling odor levels. He stated that in contrast, Crozet's odor control process was more chemical based.

Mr. Campbell stated that Crozet pump station number four, the first station when leaving Crozet on the way to Charlottesville, employed bioxide to reduce odor-causing hydrogen sulfide, while the Crozet flow equalization tank (FET) provided surge relief in case of high flow rates, allowing the stations to process the waste more efficiently. He stated that odor control from Crozet cost approximately \$350,000 annually. He stated that the septic station, located by the main gate and adjacent to the Moores Creek Pump Station, served commercial haulers for emptying their trucks. He stated that in 2024, they had approximately 6,300 deliveries, totaling around 8 million gallons.

Mr. Pinkston asked if these deliveries were from facilities such as port-a-potties.

Mr. Campbell replied that yes, it included port-o-potty waste, as well as commercial plumbing waste and residential septic tank collection.

Mr. Pinkston asked if there was a collection basin located outside that was pumped to the wastewater treatment facility. Mr. Campbell replied yes; the basin was metered, and each vendor had their unique ID number that was entered, which corresponded to their billing system.

He stated that next was an overview of the staffing for the wastewater department. He stated that they had 10 total operators at Moores Creek, with staff on-site 24 hours a day, 365 days a year, and two operators per shift.

Mr. Campbell stated that they had two County plant operators who staffed Glenmore, Scottsville, and Stone-Robinson, with Glenmore and Scottsville staffed about four hours a day and Stone-Robinson staffed about one hour a day. He stated that they also had two relief operators in the wastewater department, who were trained to operate any treatment plant and could fill in for vacation or sick leave. He stated that their management staff consisted of one Wastewater Supervisor, the Assistant Manager, and Brian Haney, the Wastewater Manager.

Mr. Campbell stated that in total, they had 17 staff members of the Wastewater Department. He stated that Mr. Mawyer had previously mentioned that Rivanna set expectations for all operators to achieve their Class 1 license, and Mr. Haney and his staff had done a commendable job. Currently, they have 10 Class 1 operators, three Class 2 operators, one Class 3 operator, and three unlicensed trainees. He stated that the trainees had only been with them for about a month, so they had not yet had a chance to obtain a license.

875 Mr. Campbell stated that now he had a few slides on the industrial waste pretreatment program.
876 He stated that the program aimed to regulate individual users in the distribution system based on
877 volume or process wastewater characteristics prior to reaching the wastewater treatment plant.
878 He stated that this regulation was required by the EPA and Virginia DEQ and involved setting
879 discharge limits. He stated that their pretreatment program monitored a range of parameters,
880 including fat, soils, and grease, metals, nutrients, nitrogen, phosphorus, pH, and carbonaceous
881 biochemical oxygen demand.

882
883 Mr. Campbell stated that these parameters were crucial because they impacted the overall health
884 of their wastewater treatment system. He stated that currently, they had three industrial
885 permittees: Virginia Diodes, Mikro, and Northrop Grumman. He noted that they were nearing
886 the end of the current permit period and were working on renewals. He stated that each permittee
887 was required to submit semi-annual reports to them for review in June and December of each
888 year.

889
890 Mr. Campbell stated that finally, the Wastewater Department budget for FY26 was almost \$28
891 million, inclusive of \$2 million for employee salaries, \$1.4 million for utility costs, \$1 million
892 for wastewater treatment chemicals, \$1.2 million for odor control, biosolids disposal and
893 trucking, \$0.4 million for communications, IT, miscellaneous supplies, and professional services,
894 \$2.7 million for operations and maintenance, \$5.9 million for central support, and \$13.2 million
895 for debt service. He stated that for FY24, Moores Creek treated 3.6 billion gallons of wastewater
896 at a cost of \$0.77 per 100 gallons.

897
898 Mr. Lunsford asked if, in the centrifuge, when dewatering occurred, the dewatered material then
899 returned to the water that had been previously removed and re-entered the process.

900
901 Mr. Campbell confirmed that it did; it went back through Moores Creek Pump Station.

902
903 Mr. Lunsford asked if all of the pump stations from Crozet had alternative power supplies.

904
905 Mr. Campbell confirmed that yes, they had generators.

906
907 Mr. Richardson asked if they had any comparative analysis with other agencies regarding the
908 \$0.77 per 100 gallons for the cost of treatment.

909
910 Mr. Mawyer stated that staff would look into that and provide an answer.

911
912 Mr. Richardson stated that he believed their system was refined enough to track that, and it
913 would be good to know to ensure they were being cost-efficient.

914
915 Mr. Campbell stated that another factor to consider would be the quality of the treatment process.
916 He stated that for example, at Moores Creek, it was an advanced water resource recovery facility,
917 utilizing methane to run boilers and utilizing plant effluent for many of the plant processes,
918 rather than relying on water from the system. He stated that he thought it would be interesting to
919 see how this facility compared in terms of treatment quality.

Mr. Richardson stated that was a great point, and he appreciated the commitment to environmental sustainability that had been mentioned earlier. He stated that was very interesting.

Ms. Mallek stated that she was curious about what Waverly did with the sludge and what their treatment process entails. She stated that she was told that they blended their high-quality sludge with untreated sludge from the lagoon, which was of poor quality. She stated that she would like to know if they were getting their money's worth for this arrangement or if Waverly was simply using their material without proper treatment.

Mr. Mawyer stated that McGill had a diverse waste stream, which they had the opportunity to observe during a tour. He stated that they processed a wide range of materials, including food products, vegetation, and even shredded Federal Reserve currency. He stated that the resulting mixture was a unique blend of items that were then taken outside to cure, ultimately becoming compost. He stated that their biosolids was one of many components that contributed to the compost product. He stated that if the question pertained to regulations governing compost, he was unsure and would likely need to do some further investigation.

Ms. Mallek asked if Rivanna paid them to take it in addition to paying them to transport it, which they then sold again. Mr. Mawyer said they did pay McGill to receive biosolids from Rivanna.

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

Mr. Mawyer noted that in May, the Board would hold public hearings and consider approval of the Solid Waste and Water and Sewer budgets.

Mr. Richardson added that he would not be present at those meetings because he would be out of town.

11. CLOSED MEETING

There was no reason to hold a closed meeting.

12. ADJOURNMENT

Mr. Pinkston moved the Board to adjourn the meeting. Ms. Mallek seconded the motion, which carried unanimously (7-0).



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: MAY 27, 2025

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

Promotions and New Credentials for Team Members

After a competitive recruitment process, **Dylan Schweickert** was selected as our new Water Department Relief Operator. Dylan started with RWSA in 2023, is a licensed Class 1 Water Operator and has a Bachelor of Science degree in Biotechnology from James Madison University.

The professional qualifications of our staff continue to improve and enhance our services. We congratulate the following employees for successfully completing the requirements for a license from the State:

- **Hayden Johnson** – Commercial Driver's License
- **Travis Granger** – Water Operator, Class 1

Our Maintenance Department staff completed the following Apprenticeship Program:

- **Steve Minnis** - completed Maintenance Mechanic Apprenticeship Program classes - eligible for Journeyman's card
- **Joshuae Powell** – completed Maintenance Mechanic Apprenticeship Program classes - eligible for Journeyman's card

STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE

Rivanna Pump Station Restoration Substantially Completed

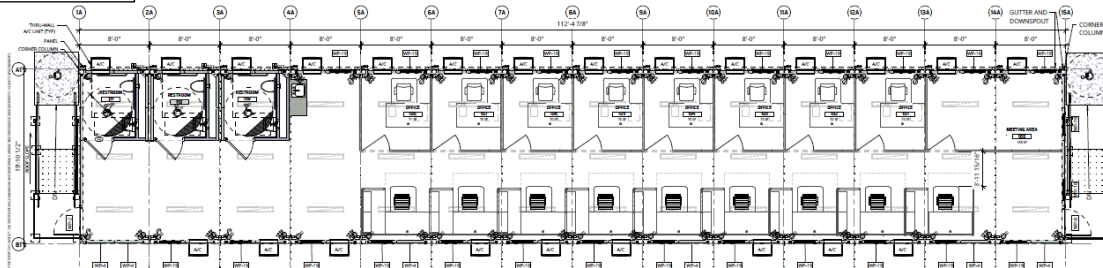
Permanent pumps and equipment have been installed and tested, and temporary pumps and piping are being removed. With staff standing by to monitor the results, the new pumps operated properly during recent rain events. Reconciliation with the insurance company for final cost reimbursement is ongoing.

Administration Building Update

Staff will move into a temporary trailer at Moores Creek during renovation of the Administration Building. Board meetings will move off-site beginning June 24, 2025. We appreciate the Albemarle County Service Authority's offer to allow us to hold our Board meetings at their conference room for the next 2 years during our construction.



Trailer Layout



Central Water Line Project, Phase 1 of 2

We received 5 competitive bids earlier this month for this project totaling \$39.7, 47.5, 51.4, 51.8, and 68.5 M. Our process to evaluate the experience of the bidders is underway. We expect to bring a recommendation for an award to the Board during the meeting on June 24. Phase 1 of this project includes about 4 miles of 24" and 30" piping, representing about 75% of the total project.

Ragged Mtn. Reservoir, Raise Normal Pool Level Project

We received 1 bid from Faulconer Construction totaling \$12.3 M for this project last week. This bid was significantly higher than anticipated, and we are discussing options with Faulconer to decrease the cost. We expect to bring a recommendation for an award to the Board during the meeting on June 24.

Sale of 1706 Buck Mtn Road Property

We did not receive any bids to purchase the 2.18-acre parcel. Now that the house has been demolished and our maintenance and liability challenges have been eliminated, we plan to retain the property until the bidding environment improves.

National Dam Safety Awareness Day – May 31st

May 31st is National Dam Safety Awareness Day!

Dams provide access to flood protection, water supply, hydropower, irrigation, and recreation.

There are more than 90,000 dams in the US. Around 3,000 of them exist in Virginia, and 169 in Albemarle County.

The average age of dams in the National Inventory of Dams is more than 60 years, and many need extensive rehabilitation.

RWSA operates 6 state or federally regulated dams and multiple small dams. Safety is a shared responsibility, so be aware of the dams in your area.

Dam failures are low probability, but high consequence. Proper maintenance and inspection assist in protecting public health, safety, and welfare.

More information on Rivanna Water & Sewer Authority (RWSA) drinking water reservoirs can be found on our website at <https://www.rivanna.org/drinking-water-reservoirs/>

Educational resources for dam owners and the public are available on the Association of State Dam Safety Officials (ASDSO) Website at <https://damsafety.org/NDSAD>

RIVANNA
WATER & SEWER AUTHORITY

In memoriam of the Johnstown Flood in Pennsylvania in 1889

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STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION

Central VA Utility Managers Networking



Our 7th Annual Utility Managers networking meeting was held on April 24, 2025. We had attendees from Bedford Regional Water, Upper Occoquan Service Authority, Augusta Water, Louisa County Water, Charlottesville Utilities, Amherst County Service Authority, City of Waynesboro, and Rockbridge County Water. This meeting provided a good opportunity to network and connect with our neighboring utilities.

Louisa County Water Authority

Our lab provided assistance to Louisa County Water Authority (LCWA) with water samples testing during their Boil Water Advisory incidents in May. Pam Baughman, LCWA General Manager, expressed her deep gratitude to Dave Tungate, Deputy Executive Director, Patricia Defibaugh, Lab Manager, and the entire lab staff for their assistance during this difficult time.

Rivanna River Fest

Westley Kern, Communication and Outreach Coordinator and Bethany Houchens, Water Resources Coordinator joined the City of Charlottesville and Albemarle County Service Authority in participating in the annual RiverFest on May 10th. Staff shared information with the community about water conservation, dam safety, and appreciation of our water resources. Westley created a popular, interactive, educational display to demonstrate the water treatment process. This free, family-friendly event benefited the Rivanna Conservation Alliance.



Facility Tours

Moore's Creek Advance Resource Recovery Facility

- Students from the Peabody School toured on April 23, 2025 with Tom Corrice, Assistant Wastewater Manager. This class visits us every year!
- Environmental Studies students from the Blue Ridge School visited on May 8, 2025. They are studying water quality and are learning about the role that wastewater plants play in water quality in watersheds.



Tom Corrice, Assist. Wastewater Mgr. with student tour

South Rivanna Water Treatment Plant

- City of Charlottesville Utilities staff toured the plant on April 25, 2025.
- ACSA Board member, ACSA staff, and RWSA Board Chair toured with Brad Puffenbarger, Water Manager on May 19, 2025.



Brad Puffenbarger, Water Manager, w/ tour groups



Land Use and Environmental Planning Committee (LUEPC)

Jennifer Whitaker, Director of Engineering and Maintenance, presented to the LUEPC full committee on May 16th to share information on Northern Area Utilities Master Plan. In addition to RWSA, LUEPC attendees included members from the City of Charlottesville, County of Albemarle, Virginia Department of Transportation, University of Virginia, and University of Virginia Foundation.

Regional Water Supply Committee

Along with the TJPDC, Jennifer Whitaker provided an update to City Council on the efforts of the regional Water Supply Planning Committee required by VDEQ. Over the next 5 years, this Committee will prepare a plan for the members of our region to have an adequate supply of drinking water.

Scottsville Town Council and Albemarle County Leadership

David Tungate, Deputy Executive Director, presented information about RWSA and RSWA infrastructure projects at a Joint Meeting with the Scottsville Town Council and the Albemarle County Executive's leadership team on May 14th. Dave shared information specific to the Water and Wastewater treatment facilities in Scottsville, and the Southern Albemarle Convenience Center.

STRATEGIC PLAN PRIORITY: OPTIMIZATION AND RESILIENCY

Harrisonburg Water Treatment Challenge

It was recently in the news that the Harrisonburg Water Treatment plant was having difficulty producing drinking water due to high turbidity in its water source, the Dry and North Rivers. Our water treatment plants utilize a multi-barrier process, including coagulation, flocculation, sedimentation, filtration, and disinfection, to remove turbidity under all conditions. Our Operators are trained to make chemical dosing changes based on the raw water conditions to maintain water production 24/7/365.



South Rivanna Water
Treatment Plant

Improved Wastewater Testing

Our lab received approval for a new testing method beginning May 1st for Total Kjeldahl nitrogen (TKN), which refers to the sum of organic nitrogen and ammonia nitrogen in wastewater. The previous testing method was labor intensive and created hazardous waste materials. The new method helps to optimize the TKN analysis by producing quick results, requiring less noxious materials while producing very little waste with a saving of about \$10,000 per year. By using the new method, a test takes less than 4 hours as compared to the previous method which was 11 hours. Our lab was the first and only lab in the state to be approved for this new TKN testing method. Congratulations to Patricia Defibaugh, Lab Manager, for researching and pursuing approval through the state's Division of Laboratory Services for this more efficient testing method.



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: LONNIE WOOD, DIRECTOR OF FINANCE AND INFORMATION TECHNOLOGY

REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: MARCH MONTHLY FINANCIAL SUMMARY – FY 2025

DATE: MAY 27, 2025

Financial Snapshot

The Authority's operating revenues for the first nine months of this fiscal year are \$679,000 more than the prorated annual budget estimates, and operating expenses are \$1,229,000 over the prorated budget, resulting in an operating deficit of \$550,000. Urban Water flows and operating rate revenue through March 1.2% over budget estimates. Urban Wastewater flows and operating rate revenue are 5.3% over budget.

Operating and debt service revenues total \$689,000 more than budget estimates, and total expenses are \$1,242,000 over budget, resulting in an overall deficit of \$552,000 through March. Revenues and expenses are summarized in the table below:

	Urban Water	Urban Wastewater	Total Other Rate Centers	Total Authority
Operations				
Revenues	\$ 8,841,457	\$ 9,302,619	\$ 2,374,669	\$ 20,518,745
Expenses	(9,783,192)	(8,809,327)	(2,476,388)	(21,068,907)
Surplus (deficit)	\$ (941,735)	\$ 493,292	\$ (101,719)	\$ (550,162)
Debt Service				
Revenues	\$ 10,146,683	\$ 8,420,837	\$ 2,250,513	\$ 20,818,033
Expenses	(10,156,121)	(8,409,907)	(2,253,512)	(20,819,540)
Surplus (deficit)	\$ (9,438)	\$ 10,930	\$ (2,999)	\$ (1,507)
Total				
Revenues	\$ 18,988,140	\$ 17,723,456	\$ 4,625,182	\$ 41,336,778
Expenses	(19,939,313)	(17,219,234)	(4,729,900)	(41,888,447)
Surplus (deficit)	\$ (951,173)	\$ 504,222	\$ (104,718)	\$ (551,669)

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 at the beginning of the fiscal year for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual \$175,000 payment to UVA for the Observatory lease is made in August. Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (most departments – pages 2-12) – Urban Water and Urban Wastewater salaries are higher than budgeted due to various changes in operations. Urban Wastewater salaries are also higher due to “leave” payout upon wastewater manager’s retirement. The prorated budget amounts through March are calculated as 9/12 (or 75%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 20 out of 26 total pay periods through March (or 76.92%). This 1.92% difference affects the comparison of budget vs. actual payroll costs. Urban Wastewater has incurred \$14,000 in unbudgeted costs for uniforms and leadership training.
- C. Professional Services (Urban Water, Crozet Water, Scottsville Wastewater, Administration, Finance – pages 2, 3, 7, 8, 9) – Urban Water has incurred \$38,200 in unbudgeted legal fees and \$106,700 in unbudgeted engineering and technical services for sedimentation issues at Glenmore, UVA water quality and the Sugar Hollow raw water line break. Scottsville Wastewater has exceeded the annual budget for engineering and technical services by \$34,600 for a needs assessment and purchase of an influent gate. Crozet Water is currently \$13,900 over the prorated budget for tank inspections and dam engineering services. The Administration department incurred \$26,700 for unbudgeted compensation study costs and \$11,000 in excess costs for deputy director recruiting. The Finance department is \$13,700 over the prorated budget on energy cost control expenses and legal fees and \$3,200 over the annual budget.
- D. Other Services & Charges (Urban Water– page 2) – Urban Water is currently \$18,600 over the prorated budget in this category for watershed management costs.
- E. Operations & Maintenance (Urban Water, Crozet Water, Glenmore Wastewater – pages 2, 3, 6) – Crozet Water is \$47,400 over the prorated budget in this category due two GAC exchanges and instrumentation and metering costs. Urban Water is currently \$730,000 over the prorated budget due to GAC exchanges and pipeline and appurtenances costs and other repair costs. Glenmore Wastewater is \$29,700 over the prorated budget for equipment repair and replacement costs.
- F. Communication - Data & Voice (Urban Water, Scottsville Water, Glenmore Wastewater – page 2) – Telephone and data services were inadvertently underbudgeted.

G. Information Technology (Finance/IT – page 9) – The Finance/IT department has exceeded the prorated budget by \$126,300 in this category due to annual software license renewals.

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

Consolidated
Revenues and Expenses Summary

<i>Budget</i>	<i>Budget</i>	<i>Actual</i>	<i>Budget</i>	<i>Variance</i>
<i>FY 2025</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	\$	25,533,965	\$	19,150,474	\$	19,690,403	\$	539,929	2.82%
Lease Revenue		120,000		90,000		107,823		17,823	19.80%
Admin., Finance/IT, Maint. & Engineering Revenue		905,200		678,900		704,145		25,245	3.72%
Other Revenues		667,768		500,826		526,570		25,744	5.14%
Use of Reserves (Water Resources Fund)		-		-		-		-	
Interest Allocation		165,400		124,050		193,949		69,899	56.35%
Total Operating Revenues	\$	27,392,333	\$	20,544,250	\$	21,222,891	\$	678,641	3.30%

Expenses

Personnel Cost	A, B	\$	12,816,065	\$	9,612,049	\$	9,853,902	\$	(241,853)	-2.52%
Professional Services	C		492,650		369,488		674,552		(305,065)	-82.56%
Other Services & Charges	A, D		4,371,588		3,278,691		3,241,614		37,077	1.13%
Communication	F		244,950		183,713		230,841		(47,128)	-25.65%
Information Technology	G		1,470,050		1,102,538		1,086,931		15,607	1.42%
Supplies			51,200		38,400		37,407		993	2.59%
Operations & Maintenance	A, E		6,698,884		5,024,163		5,733,884		(709,721)	-14.13%
Equipment Purchases			316,950		237,713		216,423		21,290	8.96%
Depreciation			930,000		697,500		697,500		-	0.00%
Total Operating Expenses		\$	27,392,337	\$	20,544,253	\$	21,773,053	\$	(1,228,800)	-5.98%
Operating Surplus/(Deficit)		\$	(4)	\$	(3)	\$	(550,162)			

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$	25,612,554	\$	19,209,416	\$	19,209,420	\$	5	0.00%
Septage Receiving Support - County		109,440		82,080		109,440		27,360	33.33%
Buck Mountain Lease Revenue		10,000		7,500		12,742		5,242	69.89%
Trust Fund Interest		430,300		322,725		287,991		(34,734)	-10.76%
Reserve Fund Interest		1,580,800		1,185,600		1,198,440		12,840	1.08%
Total Debt Service Revenues	\$	27,743,094	\$	20,807,321	\$	20,818,032	\$	10,712	0.05%

Debt Service Costs

Total Principal & Interest	\$	16,164,506	\$	12,123,380	\$	14,361,199	\$	(2,237,819)	-18.46%
Reserve Additions-Interest		1,580,800		1,185,600		1,198,440		(12,840)	-1.08%
Debt Service Ratio Charge		725,000		543,750		543,750		-	0.00%
Reserve Additions-CIP Growth		9,271,960		6,953,970		4,716,151		2,237,819	32.18%
Total Debt Service Costs	\$	27,742,266	\$	20,806,700	\$	20,819,539	\$	(12,840)	-0.06%
Debt Service Surplus/(Deficit)	\$	828	\$	621	\$	(1,507)			

Summary

Total Revenues	\$	55,135,427	\$	41,351,570	\$	42,040,923	\$	689,353	1.67%
Total Expenses		55,134,603		41,350,952		42,592,592		(1,241,640)	-3.00%
Surplus/(Deficit)	\$	824	\$	618	\$	(551,669)			

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Urban Water Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

		Notes								
Revenues										
Operations Rate Revenue		\$	11,425,341	\$	8,569,006	\$	8,672,444	\$	103,438	1.21%
Lease Revenue			90,000		67,500		82,492		14,992	22.21%
Miscellaneous			-		-		2,735		2,735	
Use of Reserves (Water Resources Fund)			-		-				-	
Interest Allocation			71,500		53,625		83,786		30,161	56.24%
Total Operating Revenues		\$	11,586,841	\$	8,690,131	\$	8,841,457	\$	151,326	1.74%
Expenses										
Personnel Cost	B	\$	2,570,828	\$	1,928,121	\$	2,059,735	\$	(131,614)	-6.83%
Professional Services	C		177,000		132,750		327,724		(194,974)	-146.87%
Other Services & Charges	A, D		1,076,746		807,560		831,838		(24,279)	-3.01%
Communications	F		89,700		67,275		85,145		(17,870)	-26.56%
Information Technology			109,400		82,050		70,437		11,613	14.15%
Supplies			7,900		5,925		7,502		(1,577)	-26.62%
Operations & Maintenance	A, E		3,334,814		2,501,111		3,231,156		(730,046)	-29.19%
Equipment Purchases			23,300		17,475		21,567		(4,092)	-23.41%
Depreciation			300,000		225,000		225,000		-	0.00%
Subtotal Before Allocations		\$	7,689,688	\$	5,767,266	\$	6,860,104	\$	(1,092,838)	-18.95%
Allocation of Support Departments			3,897,153		2,922,865		2,923,088		(223)	-0.01%
Total Operating Expenses		\$	11,586,841	\$	8,690,131	\$	9,783,192	\$	(1,093,061)	-12.58%
Operating Surplus/(Deficit)		\$	0	\$	(0)	\$	(941,735)			

Debt Service Budget vs. Actual

Revenues						
Debt Service Rate Revenue		\$ 12,593,874	\$ 9,445,406	\$ 9,445,410	\$ 5	0.00%
Trust Fund Interest		185,000	138,750	124,066	(14,684)	-10.58%
Reserve Fund Interest		744,800	558,600	564,465	5,865	1.05%
Lease Revenue		10,000	7,500	12,742	5,242	69.89%
Total Debt Service Revenues		\$ 13,533,674	\$ 10,150,256	\$ 10,146,683	\$ (3,572)	-0.04%
Debt Service Costs						
Total Principal & Interest		\$ 7,078,274	\$ 5,308,706	\$ 6,145,650	\$ (836,945)	-15.77%
Reserve Additions-Interest		744,800	558,600	564,465	(5,865)	-1.05%
Debt Service Ratio Charge		400,000	300,000	300,000	-	0.00%
Est. New Debt Service - CIP Growth		5,310,600	3,982,950	3,146,006	836,945	21.01%
Total Debt Service Costs		\$ 13,533,674	\$ 10,150,256	\$ 10,156,121	\$ (5,865)	-0.06%
Debt Service Surplus/(Deficit)		\$ -	\$ -	\$ (9,437)		

Rate Center Summary

Total Revenues	\$ 25,120,515	\$ 18,840,386	\$ 18,988,140	\$ 147,754	0.78%
Total Expenses	25,120,515	18,840,387	19,939,313	(1,098,926)	-5.83%
Surplus/(Deficit)	\$ 0	\$ (0)	\$ (951,173)		
Costs per 1000 Gallons	\$ 3.41		\$ 3.79		
Operating and DS	\$ 7.39		\$ 7.73		
Thousand Gallons Treated	3,397,700	2,548,275	2,578,783	30,508	1.20%
or					
Flow (MGD)	9.309		9.412		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Crozet Water Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 1,420,644	\$ 1,065,483	\$ 1,065,483	\$ -	0.00%
Lease Revenues	30,000	22,500	25,331	2,831	12.58%
Interest Allocation	8,900	6,675	10,473	3,798	56.90%
Total Operating Revenues	\$ 1,459,544	\$ 1,094,658	\$ 1,101,287	\$ 6,629	0.61%

Expenses

Personnel Cost	B \$ 365,428	\$ 274,071	\$ 288,365	\$ (14,294)	-5.22%
Professional Services	C 22,900	17,175	32,450	(15,275)	-88.94%
Other Services & Charges	163,107	122,330	112,753	9,578	7.83%
Communications	19,000	14,250	13,290	960	6.74%
Information Technology	35,000	26,250	8,219	18,031	68.69%
Supplies	1,600	1,200	2,058	(858)	-71.47%
Operations & Maintenance	E 426,600	319,950	367,313	(47,363)	-14.80%
Equipment Purchases	3,300	2,475	2,801	(326)	-13.15%
Depreciation	60,000	45,000	45,000	-	0.00%
Subtotal Before Allocations	\$ 1,096,935	\$ 822,701	\$ 872,247	\$ (49,546)	-6.02%
Allocation of Support Departments	362,608	271,956	272,875	(919)	-0.34%
Total Operating Expenses	\$ 1,459,543	\$ 1,094,657	\$ 1,145,121	\$ (50,465)	-4.61%
Operating Surplus/(Deficit)	\$ 1	\$ 1	\$ (43,834)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 2,590,368	\$ 1,942,776	\$ 1,942,776	\$ -	0.00%
Trust Fund Interest	32,400	24,300	21,686	(2,614)	-10.76%
Reserve Fund Interest	93,800	70,350	70,708	358	0.51%
Total Debt Service Revenues	\$ 2,716,568	\$ 2,037,426	\$ 2,035,170	\$ (2,256)	-0.11%

Debt Service Costs

Total Principal & Interest	\$ 1,131,172	\$ 848,379	\$ 848,379	\$ -	0.00%
Reserve Additions-Interest	93,800	70,350	70,708	(358)	-0.51%
Estimated New Principal & Interest	1,491,600	1,118,700	1,118,700	-	0.00%
Total Debt Service Costs	\$ 2,716,572	\$ 2,037,429	\$ 2,037,787	\$ (358)	-0.02%
Debt Service Surplus/(Deficit)	\$ (4)	\$ (3)	\$ (2,617)		

Rate Center Summary

Total Revenues	\$ 4,176,112	\$ 3,132,084	\$ 3,136,457	\$ 4,373	0.14%
Total Expenses	4,176,115	3,132,086	3,182,908	(50,823)	-1.62%
Surplus/(Deficit)	\$ (3)	\$ (2)	\$ (46,451)		
Costs per 1000 Gallons	\$ 7.20		\$ 6.47		
Operating and DS	\$ 20.60		\$ 17.99		
Thousand Gallons Treated	202,697	152,023	176,913	24,890	16.37%
Flow (MGD)	0.555		0.646		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Scottsville Water Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 741,984	\$ 556,488	\$ 556,488	\$ -	0.00%
Interest Allocation	4,600	3,450	5,431	1,981	57.41%
Total Operating Revenues	\$ 746,584	\$ 559,938	\$ 561,919	\$ 1,981	0.35%

Expenses

Personnel Cost	\$ 239,452	\$ 179,589	\$ 179,856	\$ (267)	-0.15%
Professional Services	5,000	3,750	7,867	(4,117)	-109.78%
Other Services & Charges	68,490	51,368	43,149	8,218	16.00%
Communications	7,000	5,250	15,650	(10,400)	-198.09%
Information Technology	13,400	10,050	18,163	(8,113)	-80.72%
Supplies	200	150	1,829	(1,679)	-1119.43%
Operations & Maintenance	154,600	115,950	102,166	13,784	11.89%
Equipment Purchases	2,200	1,650	2,508	(858)	-52.00%
Depreciation	40,000	30,000	30,000	0	0.00%
Subtotal Before Allocations	\$ 530,342	\$ 397,757	\$ 401,188	\$ (3,431)	-0.86%
Allocation of Support Departments	216,247	162,185	162,968	(783)	-0.48%
Total Operating Expenses	\$ 746,589	\$ 559,942	\$ 564,156	\$ (4,214)	-0.75%
Operating Surplus/(Deficit)	\$ (5)	\$ (4)	\$ (2,238)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 190,416	\$ 142,812	\$ 142,812	\$ -	0.00%
Trust Fund Interest	4,000	3,000	2,650	(350)	-11.68%
Reserve Fund Interest	7,000	5,250	5,992	742	14.14%
Total Debt Service Revenues	\$ 201,416	\$ 151,062	\$ 151,454	\$ 392	0.26%

Debt Service Costs

Total Principal & Interest	\$ 148,815	\$ 111,611	\$ 111,611	\$ -	0.00%
Reserve Additions-Interest	7,000	5,250	5,992	(742)	-14.14%
Estimated New Principal & Interest	45,600	34,200	34,200	-	0.00%
Total Debt Service Costs	\$ 201,415	\$ 151,061	\$ 151,803	\$ (742)	-0.49%
Debt Service Surplus/(Deficit)	\$ 1	\$ 1	\$ (350)		

Rate Center Summary

Total Revenues	\$ 948,000	\$ 711,000	\$ 713,372	\$ 2,372	0.33%
Total Expenses	948,004	711,003	715,960	(4,957)	-0.70%
Surplus/(Deficit)	\$ (4)	\$ (3)	\$ (2,588)		
Costs per 1000 Gallons	\$ 43.33		\$ 41.04		
Operating and DS	\$ 55.02		\$ 52.08		
Thousand Gallons Treated	17,230	12,923	13,747	825	6.38%
or					
Flow (MGD)	0.047		0.050		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Urban Wastewater Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 11,007,464	\$ 8,255,598	\$ 8,692,089	\$ 436,491	5.29%
Stone Robinson WWTP	17,768	13,326	10,288	(3,038)	-22.80%
Septage Acceptance	600,000	450,000	404,743	(45,257)	-10.06%
Nutrient Credits	50,000	37,500	108,805	71,305	190.15%
Miscellaneous Revenue	-	-	-	-	
Interest Allocation	74,000	55,500	86,695	31,195	56.21%
Total Operating Revenues	\$ 11,749,232	\$ 8,811,924	\$ 9,302,619	\$ 490,695	5.57%

Expenses

Personnel Cost	A, B	\$ 1,615,345	\$ 1,211,509	\$ 1,260,093	\$ (48,584)	-4.01%
Professional Services		35,000	26,250	28,387	(2,137)	-8.14%
Other Services & Charges		2,721,750	2,041,313	2,017,593	23,720	1.16%
Communications		14,800	11,100	11,837	(737)	-6.64%
Information Technology		95,500	71,625	50,991	20,634	28.81%
Supplies		2,600	1,950	1,410	540	27.68%
Operations & Maintenance		2,190,500	1,642,875	1,608,610	34,265	2.09%
Equipment Purchases		73,500	55,125	55,125	-	0.00%
Depreciation		470,000	352,500	352,500	(0)	0.00%
Subtotal Before Allocations		\$ 7,218,995	\$ 5,414,246	\$ 5,386,546	\$ 27,700	0.51%
Allocation of Support Departments		4,530,238	3,397,679	3,422,781	(25,103)	-0.74%
Total Operating Expenses		\$ 11,749,233	\$ 8,811,925	\$ 8,809,327	\$ 2,598	0.03%
Operating Surplus/(Deficit)		\$ (1)	\$ (1)	\$ 493,292		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 10,156,560	\$ 7,617,420	\$ 7,617,420	\$ -	0.00%
Septage Receiving Support - County	109,440	82,080	109,440	27,360	33.33%
Trust Fund Interest	208,200	156,150	139,100	(17,050)	-10.92%
Reserve Fund Interest	731,800	548,850	554,878	6,028	1.10%
Total Debt Service Revenues	\$ 11,206,000	\$ 8,404,500	\$ 8,420,837	\$ 16,337	0.19%

Debt Service Costs

Total Principal & Interest	\$ 7,780,072	\$ 5,835,054	\$ 7,235,929	\$ (1,400,875)	-24.01%
Reserve Additions-Interest	731,800	548,850	554,878	(6,028)	-1.10%
Debt Service Ratio Charge	325,000	243,750	243,750	-	0.00%
Est. New Debt Service - CIP Growth	2,368,300	1,776,225	375,350	1,400,875	78.87%
Total Debt Service Costs	\$ 11,205,172	\$ 8,403,879	\$ 8,409,907	\$ (6,028)	-0.07%
Debt Service Surplus/(Deficit)	\$ 828	\$ 621	\$ 10,931		

Rate Center Summary

Total Revenues	\$ 22,955,232	\$ 17,216,424	\$ 17,723,457	\$ 507,033	2.95%
Total Expenses	22,954,405	17,215,804	17,219,234	(3,430)	-0.02%
Surplus/(Deficit)	\$ 827	\$ 620	\$ 504,223		
Costs per 1000 Gallons	\$ 3.47		\$ 3.29		
Operating and DS	\$ 6.77		\$ 6.43		
Thousand Gallons Treated	3,390,400	2,542,800	2,676,960	134,160	5.28%
or					
Flow (MGD)	9.289		9.770		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Glenmore Wastewater Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 533,112	\$ 399,834	\$ 399,834	\$ -	0.00%
Interest Allocation	3,700	2,775	4,267	1,492	53.76%
Total Operating Revenues	\$ 536,812	\$ 402,609	\$ 404,101	\$ 1,492	0.37%

Expenses

Personnel Cost	\$ 133,566	\$ 100,174	\$ 104,914	\$ (4,740)	-4.73%
Professional Services	10,000	7,500	654	6,846	91.28%
Other Services & Charges	41,840	31,380	33,725	(2,345)	-7.47%
Communications	3,700	2,775	13,705	(10,930)	-393.88%
Information Technology	14,350	10,763	429	10,334	96.02%
Supplies	-	-	-	-	
Operations & Maintenance	130,600	97,950	127,715	(29,765)	-30.39%
Equipment Purchases	3,500	2,625	2,625	(0)	0.00%
Depreciation	40,000	30,000	30,000	0	0.00%
Subtotal Before Allocations	\$ 377,556	\$ 283,167	\$ 313,767	\$ (30,601)	-10.81%
Allocation of Support Departments	159,262	119,446	118,623	824	0.69%
Total Operating Expenses	\$ 536,818	\$ 402,613	\$ 432,390	\$ (29,777)	-7.40%
Operating Surplus/(Deficit)	\$ (6)	\$ (4)	\$ (28,289)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 48,780	\$ 36,585	\$ 36,585	\$ -	0.00%
Trust Fund Interest	500	375	346	(29)	-7.85%
Reserve Fund Interest	-	-	-	-	
Total Debt Service Revenues	\$ 49,280	\$ 36,960	\$ 36,931	\$ (29)	-0.08%

Debt Service Costs

Total Principal & Interest	\$ 18,720	\$ 14,040	\$ 14,040	\$ -	0.00%
Estimated New Principal & Interest	30,560	22,920	22,920	-	0.00%
Reserve Additions-Interest	-	-	-	-	
Total Debt Service Costs	\$ 49,280	\$ 36,960	\$ 36,960	\$ -	0.00%
Debt Service Surplus/(Deficit)	\$ -	\$ -	\$ (29)		

Rate Center Summary

Total Revenues	\$ 586,092	\$ 439,569	\$ 441,031	\$ 1,462	0.33%
Total Expenses	586,098	439,573	469,350	(29,777)	-6.77%
Surplus/(Deficit)	\$ (6)	\$ (4)	\$ (28,318)		
Costs per 1000 Gallons	\$ 12.97		\$ 12.76		
Operating and DS	\$ 14.16		\$ 13.85		
Thousand Gallons Treated or Flow (MGD)	41,401	31,051	33,891	2,840	9.15%
	0.113		0.124		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Scottsville Wastewater Rate Center
Revenues and Expenses Summary

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 405,420	\$ 304,065	\$ 304,065	\$ -	0.00%
Interest Allocation	2,700	2,025	3,297	1,272	62.82%
Total Operating Revenues	\$ 408,120	\$ 306,090	\$ 307,362	\$ 1,272	0.42%

Expenses

Personnel Cost	\$ 133,636	\$ 100,227	\$ 104,914	\$ (4,688)	-4.68%
Professional Services	5,000	3,750	39,875	(36,125)	-963.34%
Other Services & Charges	33,400	25,050	23,812	1,238	4.94%
Communications	3,650	2,738	6,248	(3,510)	-128.22%
Information Technology	15,150	11,363	429	10,934	96.23%
Supplies	-	-	-	-	
Operations & Maintenance	44,500	33,375	30,775	2,600	7.79%
Equipment Purchases	3,500	2,625	2,625	(0)	0.00%
Depreciation	20,000	15,000	15,000	(0)	0.00%
Subtotal Before Allocations	\$ 258,836	\$ 194,127	\$ 223,678	\$ (29,551)	-15.22%
Allocation of Support Departments	149,278	111,959	111,043	916	0.82%
Total Operating Expenses	\$ 408,114	\$ 306,085	\$ 334,720	\$ (28,635)	-9.36%
Operating Surplus/(Deficit)	\$ 6	\$ 5	\$ (27,358)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 32,556	\$ 24,417	\$ 24,417	\$ -	0.00%
Trust Fund Interest	200	150	144	(6)	-3.99%
Reserve Fund Interest	3,400	2,550	2,397	(153)	-6.01%
Total Debt Service Revenues	\$ 36,156	\$ 27,117	\$ 26,958	\$ (159)	-0.59%

Debt Service Costs

Total Principal & Interest	\$ 7,453	\$ 5,590	\$ 5,590	\$ -	0.00%
Reserve Additions-Interest	3,400	2,550	2,397	153	6.01%
Estimated New Principal & Interest	25,300	18,975	18,975	-	0.00%
Total Debt Service Costs	\$ 36,153	\$ 27,115	\$ 26,962	\$ 153	0.56%
Debt Service Surplus/(Deficit)	\$ 3	\$ 2	\$ (4)		

Rate Center Summary

Total Revenues	\$ 444,276	\$ 333,207	\$ 334,320	\$ 1,113	0.33%
Total Expenses	444,267	333,200	361,682	(28,482)	-8.55%
Surplus/(Deficit)	\$ 9	\$ 7	\$ (27,362)		
Costs per 1000 Gallons	\$ 17.26		\$ 21.88		
Operating and DS	\$ 18.79		\$ 23.64		
Thousand Gallons Treated or Flow (MGD)	23,643	17,732	15,297	(2,435)	-13.73%
	0.065		0.056		

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Administration and Communication

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	364,200	\$	273,150	\$	273,150	\$	-	0.00%
Miscellaneous Revenue		-		-		5,983		5,983	
Total Operating Revenues	\$	364,200	\$	273,150	\$	279,133	\$	5,983	2.19%

Expenses

Personnel Cost	A, B	\$	1,348,563	\$	1,011,423	\$	1,070,898	\$	(59,476)	-5.88%
Professional Services	C		153,250		114,938		185,916		(70,979)	-61.75%
Other Services & Charges			161,100		120,825		101,926		18,899	15.64%
Communications			9,700		7,275		4,503		2,772	38.10%
Information Technology			5,000		3,750		4,584		(834)	-22.24%
Supplies			14,000		10,500		12,439		(1,939)	-18.46%
Operations & Maintenance			57,250		42,938		35,573		7,365	17.15%
Equipment Purchases			9,000		6,750		6,750		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	1,757,863	\$	1,318,398	\$	1,422,590	\$	(104,192)	-7.90%

Department Summary

Net Costs Allocable to Rate Centers	\$	(1,393,663)	\$	(1,045,248)	\$	(1,143,457)	\$	98,209	-9.40%
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Allocations to the Rate Centers

Urban Water	44.00%	\$	613,212	\$	459,909	\$	503,121	\$	(43,212)
Crozet Water	4.00%	\$	55,747		41,810		45,738		(3,928)
Scottsville Water	2.00%	\$	27,873		20,905		22,869		(1,964)
Urban Wastewater	48.00%	\$	668,958		501,719		548,859		(47,140)
Glenmore Wastewater	1.00%	\$	13,937		10,452		11,435		(982)
Scottsville Wastewater	1.00%	\$	13,937		10,452		11,435		(982)
	100.00%	\$	1,393,663	\$	1,045,248	\$	1,143,457	\$	(98,209)

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Finance and Information Technology

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	541,000	\$	405,750	\$	405,750	\$	0	0.00%
Miscellaneous Revenue		-		-		2,512		2,512	
Total Operating Revenues	\$	541,000	\$	405,750	\$	408,262	\$	2,512	0.62%

Expenses

Personnel Cost	A, B	\$	2,083,478	\$	1,562,609	\$	1,633,608	\$	(71,000)	-4.54%
Professional Services	C		42,000		31,500		45,224		(13,724)	-43.57%
Other Services & Charges			46,000		34,500		41,546		(7,046)	-20.42%
Communication			65,000		48,750		52,079		(3,329)	-6.83%
Information Technology	G		962,850		722,138		848,477		(126,339)	-17.50%
Supplies			14,500		10,875		6,512		4,363	40.12%
Operations & Maintenance			5,000		3,750		5,511		(1,761)	-46.95%
Equipment Purchases			7,500		5,625		5,625		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	3,226,328	\$	2,419,746	\$	2,638,581	\$	(218,835)	-9.04%

Department Summary

Net Costs Allocable to Rate Centers	\$	(2,685,328)	\$	(2,013,996)	\$	(2,230,319)	\$	216,323	-10.74%
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Allocations to the Rate Centers

Urban Water	44.00%	\$	1,181,544	\$	886,158	\$	981,340	\$	(95,182)
Crozet Water	4.00%	\$	107,413		80,560		89,213		(8,653)
Scottsville Water	2.00%	\$	53,707		40,280		44,606		(4,326)
Urban Wastewater	48.00%	\$	1,288,957		966,718		1,070,553		(103,835)
Glenmore Wastewater	1.00%	\$	26,853		20,140		22,303		(2,163)
Scottsville Wastewater	1.00%	\$	26,853		20,140		22,303		(2,163)
	100.00%	\$	2,685,328	\$	2,013,996	\$	2,230,319	\$	(216,323)

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Maintenance

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	-	\$	-	\$	-	\$	-
Miscellaneous Revenue		-		-		6,858		6,858
Total Operating Revenues	\$	-	\$	-	\$	6,858	\$	6,858

Expenses

Personnel Cost	B	\$	1,645,860	\$	1,234,395	\$	1,284,012	\$	(49,616)	-4.02%
Professional Services			10,000		7,500		-		7,500	100.00%
Other Services & Charges			29,140		21,855		25,540		(3,685)	-16.86%
Communications			16,200		12,150		15,813		(3,663)	-30.15%
Information Technology			7,500		5,625		2,914		2,711	48.19%
Supplies			3,500		2,625		-		2,625	100.00%
Operations & Maintenance			138,800		104,100		97,127		6,973	6.70%
Equipment Purchases			145,750		109,313		97,500		11,813	10.81%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	1,996,750	\$	1,497,563	\$	1,522,906	\$	(25,343)	-1.69%

Department Summary

Net Costs Allocable to Rate Centers		\$	(1,996,750)	\$	(1,497,563)	\$	(1,516,048)	\$	32,201	-2.15%
<u>Allocations to the Rate Centers</u>										
Urban Water	30.00%	\$	599,025	\$	449,269	\$	454,814	\$	(5,546)	
Crozet Water	3.50%		69,886		52,415		53,062		(647)	
Scottsville Water	3.50%		69,886		52,415		53,062		(647)	
Urban Wastewater	56.50%		1,128,164		846,123		856,567		(10,444)	
Glenmore Wastewater	3.50%		69,886		52,415		53,062		(647)	
Scottsville Wastewater	3.00%		59,903		44,927		45,481		(555)	
	100.00%	\$	1,996,750	\$	1,497,563	\$	1,516,048	\$	(18,485)	

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Laboratory

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Revenues Notes

N/A

Expenses

Personnel Cost	\$ 463,225	\$ 347,419	\$ 353,693	\$ (6,274)	-1.81%
Professional Services	-	-	-	-	
Other Services & Charges	9,550	7,163	752	6,410	89.49%
Communications	1,050	788	1,083	(295)	-37.50%
Information Technology	-	-	727	(727)	
Supplies	1,300	975	675	300	30.77%
Operations & Maintenance	133,600	100,200	83,827	16,373	16.34%
Equipment Purchases	23,900	17,925	3,173	14,752	82.30%
Depreciation	-	-	-	-	
Total Operating Expenses	\$ 632,625	\$ 474,469	\$ 443,930	\$ 30,539	6.44%

Department Summary

Net Costs Allocable to Rate Centers		\$ (632,625)	\$ (474,469)	\$ (443,930)	\$ (30,539)	6.44%
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 278,355	\$ 208,766	\$ 195,329	\$ 13,437	
Crozet Water	4.00%	25,305	18,979	17,757	1,222	
Scottsville Water	2.00%	12,653	9,489	8,879	611	
Urban Wastewater	47.00%	297,334	223,000	208,647	14,353	
Glenmore Wastewater	1.50%	9,489	7,117	6,659	458	
Scottsville Wastewater	1.50%	9,489	7,117	6,659	458	
	100.00%	\$ 632,625	\$ 474,469	\$ 443,930	\$ 30,539	

Rivanna Water & Sewer Authority
Monthly Financial Statements - March 2025

Engineering

<i>Budget FY 2025</i>	<i>Budget Year-to-Date</i>	<i>Actual Year-to-Date</i>	<i>Budget vs. Actual</i>	<i>Variance Percentage</i>
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	-	\$	-	\$	9,892	\$	9,892
<i>Total Operating Revenues</i>	\$	-	\$	-	\$	9,892	\$	9,892

Expenses

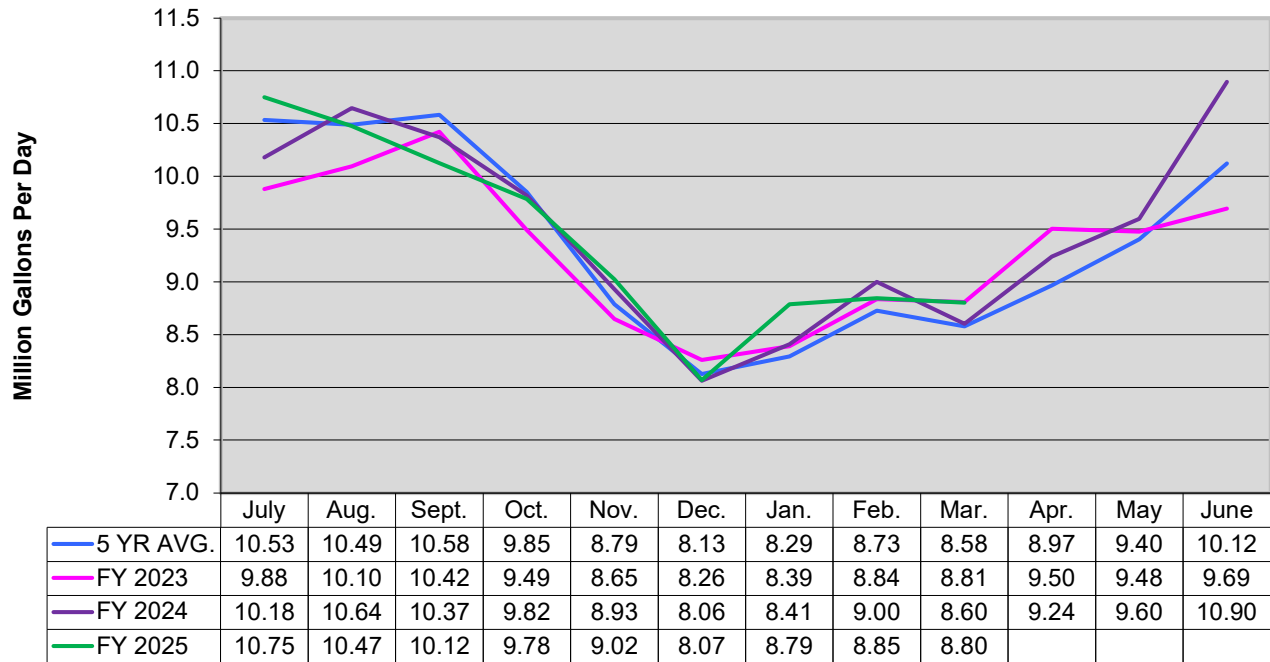
Personnel Cost	\$	2,216,684	\$	1,662,513	\$	1,513,813	\$	148,700	8.94%
Professional Services		32,500		24,375		6,455		17,920	73.52%
Other Services & Charges		20,465		15,349		8,980		6,369	41.50%
Communications		15,150		11,363		11,487		(125)	-1.10%
Information Technology		211,900		158,925		81,562		77,363	48.68%
Supplies		5,600		4,200		4,983		(783)	-18.64%
Operations & Maintenance		82,620		61,965		44,111		17,854	28.81%
Equipment Purchases		21,500		16,125		16,125		0	0.00%
Depreciation		-		-		-		-	
<i>Total Operating Expenses</i>	\$	2,606,419	\$	1,954,814	\$	1,687,516	\$	267,298	13.67%

Department Summary

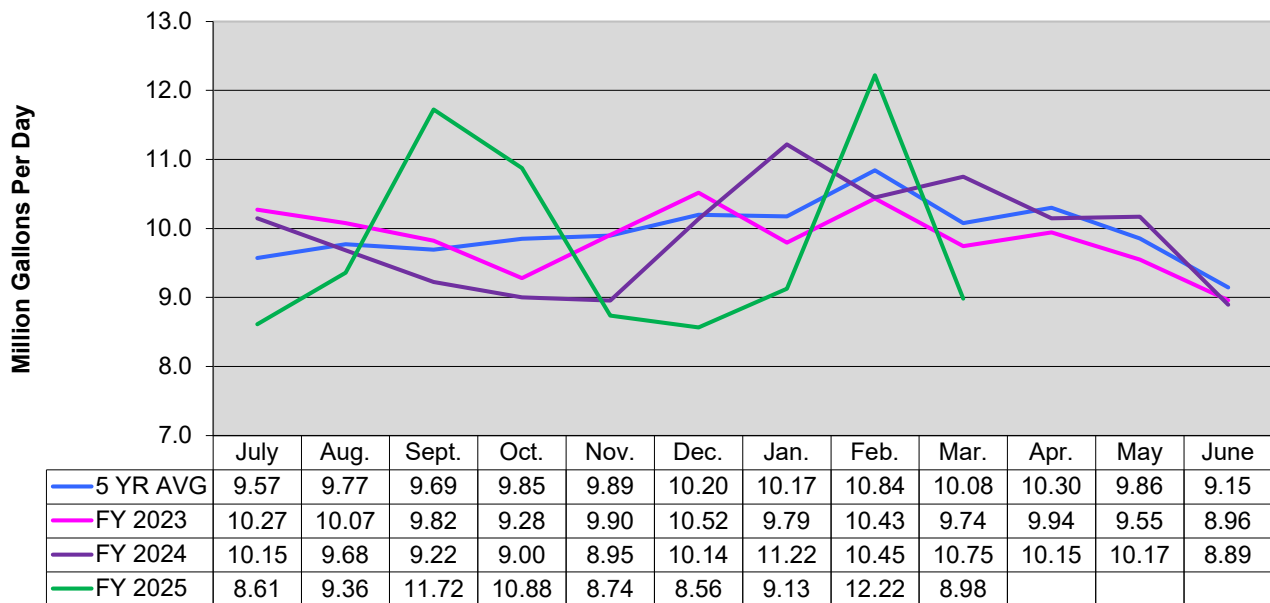
Net Costs Allocable to Rate Centers		\$	(2,606,419)	\$	(1,954,814)	\$	(1,677,624)	\$	(257,406)	13.17%
<u>Allocations to the Rate Centers</u>										
Urban Water	47.00%	\$	1,225,017	\$	918,763	\$	788,483	\$	130,279	
Crozet Water	4.00%		104,257		78,193		67,105		11,088	
Scottsville Water	2.00%		52,128		39,096		33,552		5,544	
Urban Wastewater	44.00%		1,146,824		860,118		738,155		121,964	
Glenmore Wastewater	1.50%		39,096		29,322		25,164		4,158	
Scottsville Wastewater	1.50%		39,096		29,322		25,164		4,158	
	100.00%	\$	2,606,419	\$	1,954,814	\$	1,677,624	\$	277,190	

Rivanna Water and Sewer Authority Flow Graphs

Urban Water Flows



Urban Wastewater Flows



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 APRIL 2025

DATE: MAY 27, 2025

WATER OPERATIONS:

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

<i>Water Treatment Plant</i>	<i>Average Daily Production (MGD)</i>	<i>Maximum Daily Production in the Month (MGD)</i>
South Rivanna	8.40	9.82 (4/25/2025)
Observatory	1.05	1.68 (4/16/2025)
North Rivanna	<u>0.13</u>	<u>0.44 (4/29/2025)</u>
<i>Urban Total</i>	9.58	10.93 (4/30/2025)
Crozet	0.64	0.89 (4/21/2025)
Scottsville	0.04	0.060 (4/10/2025)
Red Hill	<u>0.0042</u>	0.004 (4/21/2025)
<i>RWSA Total</i>	10.26	-

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

Status of Reservoirs (as of May 20, 2025):

- Urban Reservoirs are 97% of Total Useable Capacity
 - South Rivanna Reservoir is 100% full
 - Ragged Mountain Reservoir is 100% full
 - Sugar Hollow Reservoir is 80% full (water level lowered to complete bladder piping improvements)
- 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 April 2025. Performance of the WRRFs in April was as follows compared to the respective VDEQ permit limits:

WRRF	Average Daily Effluent Flow (MGD)	Average CBOD₅ (ppm)		Average Total Suspended Solids (ppm)		Average Ammonia (ppm)	
		RESULT	LIMIT	RESULT	LIMIT	RESULT	LIMIT
Moore's Creek	9.11	<QL	9	<QL	22	<QL	6.4
Glenmore	0.138	<QL	15	6.0	30	NR	NL
Scottsville	0.058	<QL	25	4.0	30	NR	NL
Stone Robinson	0.002	NR	30	NR	30	NR	NL

NR = Not Required

NL = No Limit

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

Nutrient discharges at the Moore's Creek AWRRF were as follows for April 2025.

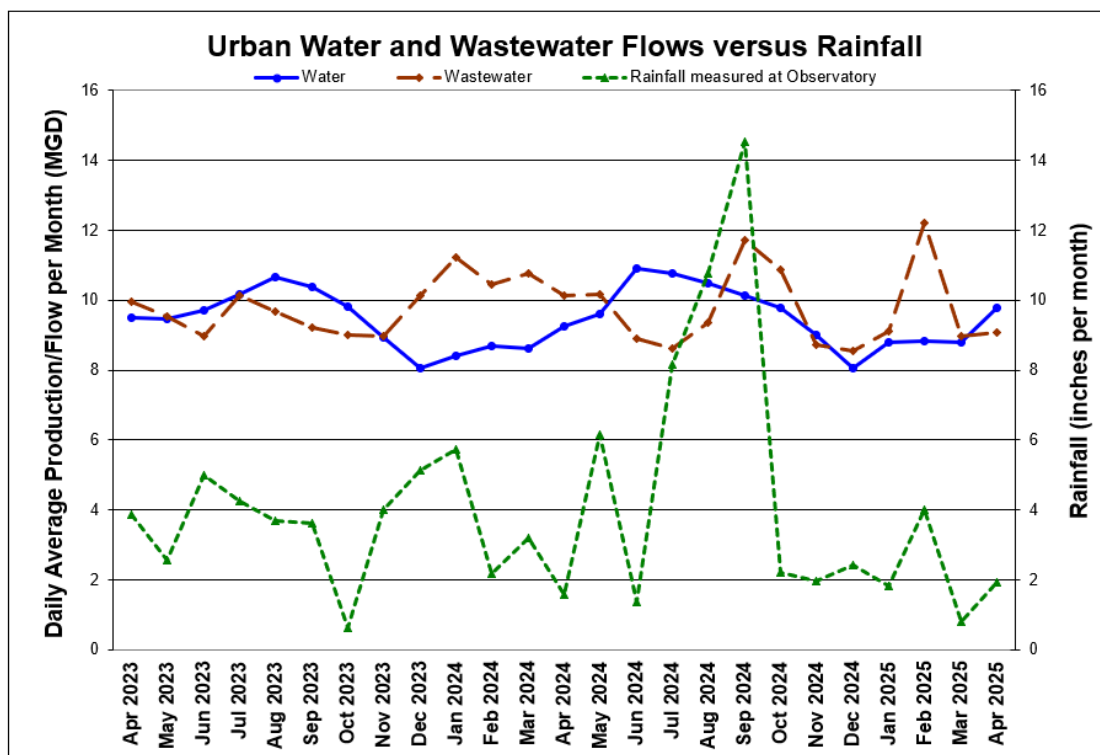
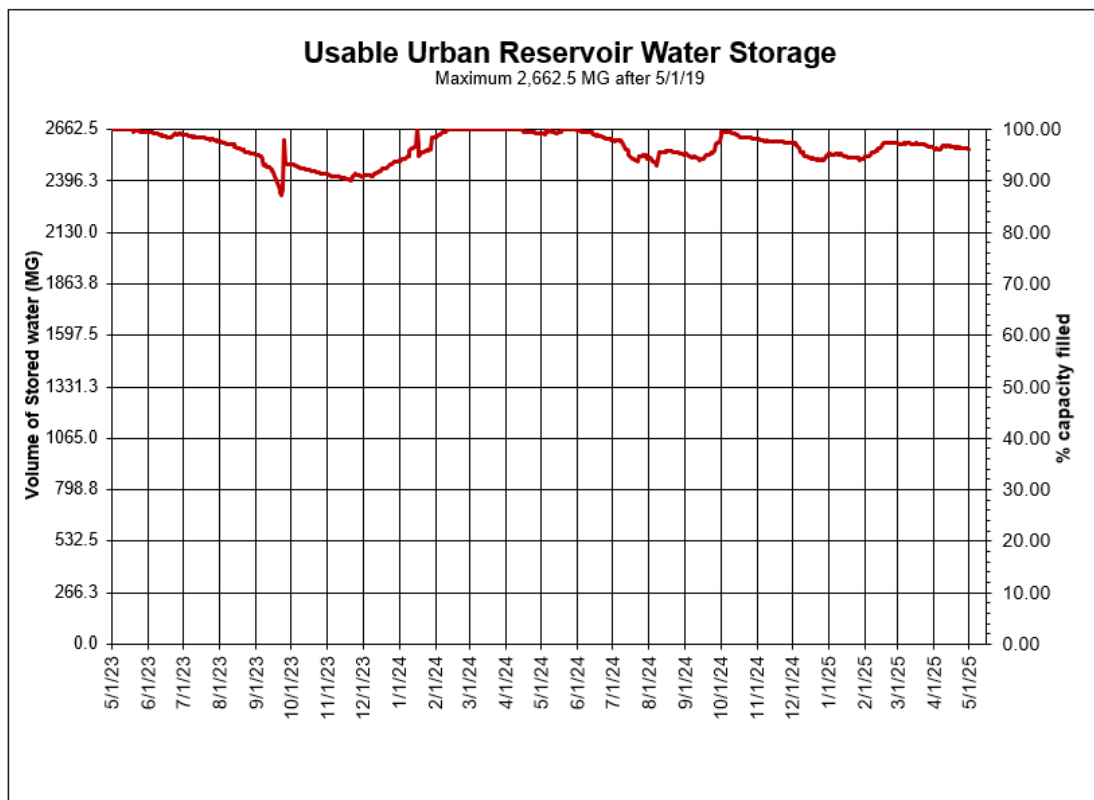
State Annual Allocation (lb./yr.) Permit		Average Monthly Allocation (lb./mo.) *	Moore's Creek Discharge April (lb./mo.)	Performance as % of monthly average Allocation*	Year to Date Performance as % of annual allocation
Nitrogen	282,994	23,583	6728	29%	17%
Phosphorous	18,525	1,636	152	9%	6%

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

WATER AND WASTEWATER DATA:

The following graphs are provided for review:

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



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

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

SUBJECT: CIP PROJECTS REPORT

DATE: MAY 27, 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	Rivanna Pump Station Restoration	July 2024	October 2025
2	Red Hill Water Treatment Plant Upgrades	January 2025	June 2026
3	South Fork Rivanna River Crossing	December 2024	January 2027
4	RMR to OBWTP Raw Water Line and Pump Station	February 2025	June 2029
5	MC Building Upfits and Gravity Thickener Improvements	May 2025	May 2027
6	MC Structural and Concrete Rehabilitation	May 2025	May 2027
7	Crozet Pump Stations Rehabilitation	August 2025	September 2027
8	MC Administration Building Renovation and Addition	June 2025	December 2027
9	Central Water Line	September 2025	May 2029
10	Crozet WTP GAC Expansion – Phase I	November 2025	May 2027
11	MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades	September 2025	September 2026
12	SRWTP – PAC Upgrades	December 2025	August 2027
13	RMR Pool Raise	September 2025	September 2026
14	SRR to RMR Pipeline, Intake, and Facilities	February 2026	December 2030
15	Beaver Creek Dam, Pump Station, and Piping	May 2026	January 2030
16	Upper Schenks Branch Interceptor, Phase II	2026	2027

17	SRWTP Permanganate Improvements	June 2026	August 2027
18	Glenmore WRRF Phase 1	June 2026	January 2028
19	Dam Concrete and Steel Repairs	January 2026	December 2026
20	SVWRRF Generator	January 2026	June 2027

Under Construction

1. Rivanna Pump Station Restoration
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

Design and Bidding

9. Central Water Line
10. Crozet WTP GAC Expansion – Phase I
11. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades
12. SRWTP – PAC Upgrades
13. RMR Pool Raise
14. SFRR to RMR Pipeline, Intake, and Facilities
15. Beaver Creek Dam, Pump Station, and Piping
16. Upper Schenks Branch Interceptor, Phase II
17. SRWTP Permanganate Improvements
18. Glenmore WRRF Upgrade Phase 1
19. Dam Concrete and Steel Repairs
20. SVWRRF Generator

Planning and Studies

21. MCAWRRF Biogas Upgrades
22. Flood Protection Resiliency Study

Other Significant Projects

23. Urgent and Emergency Repairs
24. Security Enhancements

Under Construction

1. Rivanna Pump Station Restoration

Design Engineer:

Hazen/SEH

Construction Contractor:

MEB

Construction Start:

July 2024

Percent Complete:	90%
Completion:	October 2025
Budget:	\$22 M

Current Status: Rehabilitated permanent pumps successfully made it through the demonstration periods and the temporary bypass pumps and associated electrical equipment have been removed from the wet well and pump station area, taken off rent, and are ready to be removed from the site. Some bypass piping still remains, but that is expected to be removed from the site as well over the next few weeks. Contractor is scheduling replacement of the 60” sluice gate at the head of the pump station wet well and additional pump restoration items. Full pump station restoration is still estimated to be complete by October 2025.

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

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	Anderson Construction (Lynchburg)
Construction Start:	January 2025
Percent Complete:	7%
Base Construction Contract +	
Change Order to Date = Current Value:	\$2,067,000 - \$324,625 = \$1,742,375
Completion:	June 2026
Budget:	\$2.05 M

Current Status: A temporary pressure tank has been placed in service and an inspection of the existing tank has been performed. Work on the existing pressure tank began this month. Construction of the building addition can begin now that we have received Site Plan approval from the County.

3. **South Fork Rivanna River Crossing**

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Faulconer (Charlottesville)
Construction Start:	December 2024
Percent Complete:	10%
Base Construction Contract +	
Change Order to Date = Current Value:	\$4,916,940
Completion:	January 2027
Budget:	\$6.25 M

Current Status: Horizontal Directional Drilling subcontractor has progressed approximately two-thirds of the way on the pilot hole for the 1,200 LF directional drill. A portion of Old Rio Mills Road will be closed for several months as construction of the new 24” water line begins. Contractor is planning to blast along Old Rio Mills Rd. Review of the blasting plan is in progress.

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

Design Engineer:	Kimley-Horn
Construction Contractor:	Thalle Construction (North Carolina)
Construction Start:	February 2025
Percent Complete:	6%

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: The Contractor continues grinding felled trees and prepping easement areas for pipe installation. Pipe deliveries have begun, and the Contractor will start pipe installation in Hereford Drive on May 27th.

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

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	English (Lynchburg, VA)
Construction Start:	May 2025
Percent Complete:	3%
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: The Notice to Proceed was issued and contractor is beginning to mobilize equipment and their work trailer to the site.

6. **MCAWRRF Structural and Concrete Rehabilitation**

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	WM Schlosser (Hyattsville, MD)
Construction Start:	May 2025
Percent Complete:	2%
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: The Notice to Proceed was issued and contractor is beginning to mobilize equipment and their work trailer to the site.

7. **Crozet Pump Stations Rehabilitation**

Design Engineer:	Wiley Wilson
Construction Contractor:	Waco, Inc. (Sandston, VA)
Construction Start:	August 2025
Percent Complete:	5%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,583,350
Completion:	September 2027
Budget:	\$12.35 M

Current Status: Equipment submittals are being processed and materials are being ordered. We anticipate lengthy material delivery times.

8. Moores Creek Administration Building Renovation and Addition

Design Engineer:	SEH
Construction Contractor	Martin Horn (Charlottesville)
Construction Start:	June 2025
Percent Complete:	1%
Base Construction Contract+	
Change Order to Date = Current Value	\$22,094,000
Completion:	December 2027
Budget:	\$27.6 M

Current Status: Contracts have been signed, and a Pre-Construction Meeting was held on April 18, 2025. A Notice to Proceed is anticipated this month pending Site Plan approval from the County and approval of the bonds and insurance. Coordination efforts associated with temporary staff locations have begun.

Design and Bidding

9. Central Water Line

Design Engineer:	Michael Baker International (Baker)
Project Start:	July 2021
Project Status:	Bidding (Phase 1)
Construction Start:	September 2025
Completion:	May 2029
Budget:	\$79 M

Current Status: **Phase 1 Contract (west end):** Bids were opened on May 8, 2025 and are being evaluated. **Phase 2 Contract (east end):** Design efforts in the E. High Street area are in process and survey work is complete. An additional private easement will be required as well as new easements on two City parcels. Phase 2 design will be completed in the summer 2025.

10. Crozet GAC Expansion – Phase I

Design Engineer:	SEH
Project Start:	July 2023
Project Status:	100% Design
Construction Start:	November 2025
Completion:	May 2027
Budget:	\$10 M

Current Status: Project will be advertised for bidding in June. \$6.24 M in grant funds from VDH are available for this project.

11. 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:	September 2025
Completion:	September 2026
Budget:	\$9.7 M

Current Status: Staff are making decisions on the septage receiving equipment and billing software needed.

12. SRWTP – PAC Upgrades

Design Engineer:	SEH
Project Start:	November 2023
Project Status:	Bidding
Construction Start:	December 2025
Completion:	August 2027
Budget:	\$1.8 M (Increased from \$1.1M)

Current Status: Bids were opened on May 14, 2025 and a recommendation/presentation for award is included in this month's Board packet.

13. RMR Pool Raise

Design Engineer:	Schnabel Engineering
Project Start:	April 2024
Project Status:	Bidding
Construction Start:	September 2025
Completion:	September 2026
Budget:	\$6 M

Current Status: Construction bids were received on May 20th, and an award recommendation/presentation may be included in this month's Board packet.

14. SFRR to RMR Pipeline, Intake, and Facilities

Design Engineer:	Kimley Horn/SEH
Project Start:	July 2023
Project Status:	80% Design
Construction Start:	February 2026
Completion:	December 2030
Budget:	\$117 M

Current Status: The design engineer submitted the 60% intake and pump station design package to staff for review on May 13th. A value engineering workshop will be held on June 3rd and 4th.

15. Beaver Creek Dam, Pump Station and Piping Improvements

Design Engineer:	Schnabel Engineering (Dam)
Design Engineer:	Hazen & Sawyer (Pump Station)
Project Start:	February 2018

Project Status:	70% Design
Construction Start:	May 2026
Completion:	January 2030
Budget:	\$62 M

Current Status: Hazen is proceeding with design of the pump station. Final design by Schnabel for the dam spillway upgrades, temporary detour, and spillway bridge is ongoing. Discussions with the County have been initiated for acquisition or lease of property for the Pump Station. A significant (\$20 M) construction grant from the NRCS is anticipated. A Value Engineering workshop was held on May 19 and 20, 2025 on the raw water pump station and intake structure.

16. Upper Schenks Branch Interceptor, Phase II

Design Engineer:	CHA Consulting
Project Start:	July 2021
Project Status:	Design
Construction Start:	2026
Completion:	2027
Budget:	\$6.4 M for RWSA section; \$11 – 15 M including City section

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

17. SRWTP Permanganate Improvements

Design Engineer:	SEH
Project Start:	January 2025
Project Status:	25% Design
Construction Start:	June 2026
Completion:	August 2027
Budget:	\$400,000

Current Status: This project will replace chemical feed equipment at the end of its useful life and increase chemical containment capacity. Design is underway.

18. Glenmore WRRF Upgrade Phase 1

Design Engineer:	SEH
Project Start:	March 2025
Project Status:	Preliminary Engineering
Construction Start:	June 2026
Completion:	January 2028
Budget:	\$1.65 M

Current Status: This project will replace wastewater treatment equipment at the end of its useful life and reduce the noise generated from the blowers. A preliminary engineering report has been provided to staff for review.

19. Dam Concrete and Steel Repairs

Design Engineer:	GAI Consultants
Project Start:	January 2025
Project Status:	10% Design
Construction Start:	January 2026
Completion:	December 2026
Budget:	\$1.28 M

Current Status: Structural assessments of the Sugar Hollow, South Rivanna, Lickinghole Creek, and Totier Creek dams were conducted by GAI in March 2025. Draft condition assessment reports have been submitted for staff review. Repairs will be completed in the summer of 2026.

20. SVWRRF Generator

Design Engineer:	Wiley Wilson
Project Start:	October 2022
Project Status:	10% Design
Construction Start:	January 2026
Completion:	June 2027
Budget:	\$0.9 M

Current Status: This project includes installation of a generator that will provide emergency backup power to both the Scottsville Water Resource Recovery Facility and Wastewater Pump Station. As this project is receiving approximately \$0.552M in funding from FEMA and VDEM, FEMA requested that the generator and fuel tank be installed on an elevated platform located above the 500-yr floodplain.

Planning and Studies

21. MCAWRRF Biogas Upgrades

Design Engineer:	SEH
Project Start:	October 2021
Project Status:	Preliminary Engineering/Study (99%)
Completion:	December 2024
Budget:	\$6.2 M

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

22. Flood Protection Resiliency Study

Design Engineer:	Hazen
Project Start:	August 2024
Project Status:	Preliminary Engineering/Study
Completion:	July 2025
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.

Other Significant Projects

23. 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
2024-09	Stillhouse Waterline Erosion @ Ivy Creek	\$200,000
2025-03	Rivanna Interceptor Stream Crossing Repairs	TBD

- **RWSA Finished Water ARV Repairs:** RWSA Engineering staff recently met with Maintenance staff to identify a list of Air Release Valves (ARVs) that need to be repaired, replaced, or abandoned. Several of these locations will require assistance from RWSA On-Call Maintenance Contractors, due to the complexity of the sites (proximity to roadways, depth, etc.). The initial round will include seven (7) sites, all along the South Rivanna Waterline. Three replacements have been completed at this time, with a fourth site in progress. This in progress site included abandonment of an existing manual ARV located in the middle of the Route 29-Hydraulic intersection, which has been completed, and was a major coordination effort with VDOT, as they intend to pave this area in the coming weeks. The Contractor is working with VDOT on permits for the final sites. The remaining replacements will likely be scheduled starting in Spring 2025.
- **Stillhouse Waterline Erosion at Ivy Creek:** In November 2024, it was discovered that the banks of Ivy Creek had experienced significant erosion during some of the heavy rainstorms earlier in the Fall, and that the erosion was now intruding on RWSA's 12" Stillhouse Waterline. The area was temporarily armored with sandbags in December, to protect the waterline from further erosion in the interim. Staff are working with the USACOE to permit a permanent bank stabilization project, which will include placement of large rip-rap along the streambank. Given continued region-wide disaster relief efforts associated with Hurricane Helene, it is anticipated that permits may not be received until Spring 2025. RWSA intends to utilize its On-Call Maintenance Contractor, Faulconer Construction Company, for completion of this work and is seeking funding/reimbursement opportunities through FEMA. USACOE permitted the project on May 7th, with a time of year restriction that will not allow the work to start until August.
- **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 is working with Digs to scope the repairs (including temporary repairs at one of the two sites), as well as with the USACOE for permitting.

24. Security Enhancements

Design Engineer:

Construction Contractor:

Construction Start:

Hazen & Sawyer

Security 101 (Richmond, VA)

March 2020

Percent Complete:	90% (WA9), 50% (WA #12)
Based Construction Contract +	
Change Orders to Date = Current Value:	\$718,428 (WA1) + \$1,006,804 (WA2-12)
Completion:	June 2025 (WA9), December 2025 (WA12)
Budget:	\$2.98 M

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



MEMORANDUM

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

**FROM: BETSY NEMETH, DIRECTOR OF ADMINISTRATION AND
COMMUNICATIONS**

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: ADMINISTRATION AND COMMUNICATIONS REPORT

DATE: MAY 27, 2025

Human Resources

Fiscal year-to-date turnover is 10.1% through May 6, 2025 for the year beginning on July 1, 2024, which includes two retirements.

We completed a Request for Proposal for medical benefits, and we have selected Anthem to be our medical insurance carrier again this year. We are excited that we will have annual savings of over 10% on medical premiums in the fiscal year 2026. We are currently in our Open Enrollment period for fiscal year 2026 benefits.

Safety

We are currently implementing a new authority-wide mobile text alert notification system for emergencies, weather alerts and construction updates for our team.

Community Outreach

April and May have been very busy for outreach. We have had several groups come to our facilities to learn about what we do:

- Students from the Peabody School toured the Moores Creek Advance Water Resource Recovery Facility on April 23, 2025. This class visits us every year!
- The Utilities team from the City of Charlottesville toured the South Rivanna Water Treatment Plant on April 25, 2025.
- Environmental Studies students from the Blue Ridge School visited the Moores Creek Advanced Water Resource Recovery Facility on May 8, 2025. They are studying water quality and are learning about the role that wastewater plants play in water quality in watersheds.

Our Outreach & Communications Coordinator attended a ProjectWET workshop on 4/12/2025. This workshop provided classroom curriculum focused on water concepts that we will be able to use when students visit our facilities.

We partnered with the Albemarle County Service Authority and the City of Charlottesville to participate in Riverfest on May 10, 2025.

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 APRIL 2025

DATE: MAY 27, 2025

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

		<i>Month</i>	<i>Daily Average</i>	
City Usage (gal)		142,934,704	4,764,490	49.8%
ACSA Usage (gal)		143,937,585	4,797,920	50.2%
Total (gal)		286,872,289	9,562,410	

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 party dating back to the beginning of FY 21, the trailing twelve-month average (extended back to May 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]

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

FROM: BETHANY HOUCHENS, WATER RESOURCES COORDINATOR

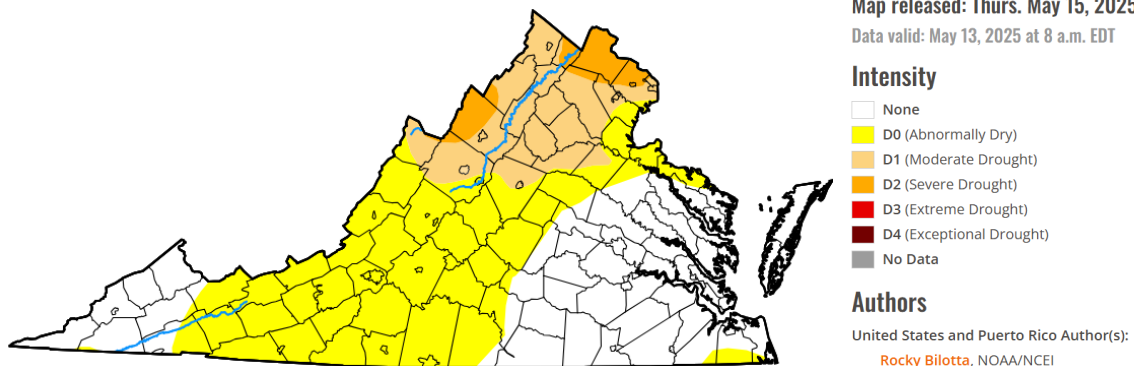
**REVIEWED: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTOR**

SUBJECT: DROUGHT MONITORING REPORT

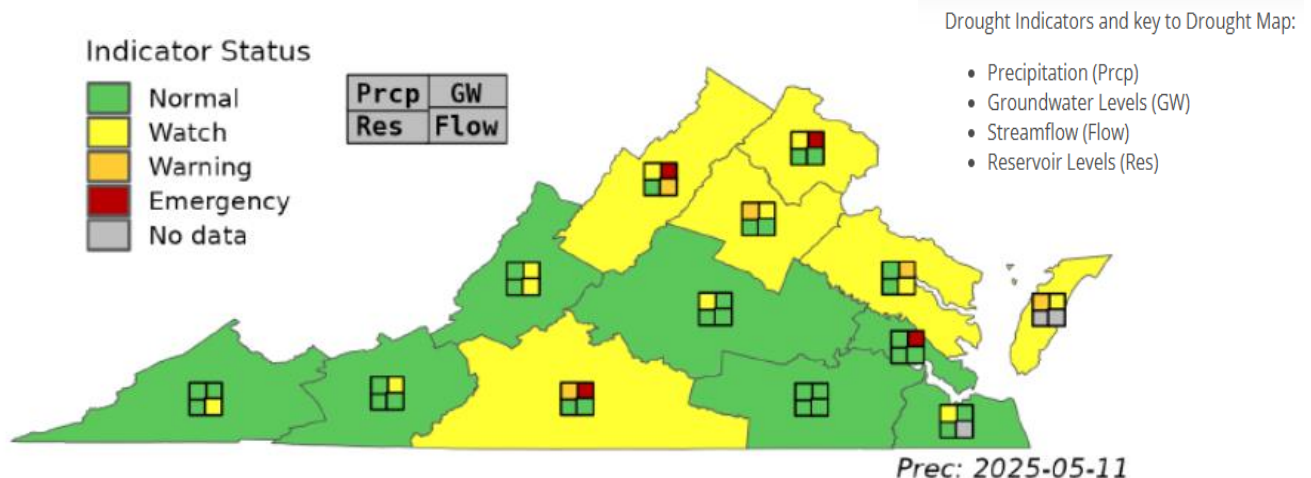
DATE: MAY 27, 2025

State and Federal Drought Monitoring as of May 15, 2025:

- U.S. Drought Monitoring Report: Indicates the City of Charlottesville and Northern Albemarle County are in a Moderate Drought. Southern Albemarle County is in Abnormally Dry conditions.



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



Precipitation & Stream Flows

Charlottesville Precipitation					
Year	Month	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to 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-April	7.35	11.91	-4.56	-38

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

USGS Stream Gaging Station Near the Urban Area (May 9-May 15)				
Gage Name	Rolling 7-day Avg. Stream Flow		Median Daily Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	1115.9	721.2	103	66.6
Moormans River	1134.1	733	75	48.5
NF Rivanna River	754.9	487.8	112	72.4
SF Rivanna River	1920.5	1241.1	245	158.3

Median daily flow: May 15th for the period of record (approx. 30 - 80 years)

Status of Reservoirs as of May 20, 2025

- Urban Reservoirs are 97% 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, 1982, 2002
- Longest: May 2007 - April 2009; 103 weeks
- Significant: every 10 -15 years
- Drought of Record: 2001- 2002; 18 months

MEMORANDUM

TO: RIVANNA SOLID WASTE AUTHORITY BOARD OF DIRECTORS
RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: BETSY NEMETH, DIRECTOR OF ADMINISTRATION & COMMUNICATIONS
LEAH BEARD, HUMAN RESOURCES MANAGER

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: APPROVAL OF FISCAL YEAR 2025-2026 PERSONNEL MANAGEMENT PLAN UPDATE

DATE: MAY 27, 2025

The Personnel Management Plan (PMP) is the policy guidance of the Authorities to document and communicate labor regulations, management practices, and overall personnel policies approved by the Board. It covers many topics ranging from employee hiring procedures, compensation, and benefits to grievance rights, substance abuse and code of conduct.

Annually, staff reviews and updates the PMP to reflect any recent changes in labor laws and benefits, as well as to provide a review for best practices. Significant changes for FY2026 include:

- Increasing the sick leave payout for retirees from a maximum of \$5000 to \$6500.
- Increasing the bi-weekly sick time accrual from 3.69 hours to 4.62 hours – from 12 to 15 days a year.
- Allowing unlimited annual sick time carry-over for all employees.
- Allowing employees up to 80 hours of paid parental leave.

Below is a summary of the changes proposed for the PMP.

Section D – Compensation Plan & Administration

D.8. Retirement Pay Out – Increases the maximum pay out for accrued sick leave from \$5000 to \$6500. Eliminates the retirement service bonus for VRS Hybrid Plan members. These employees will now receive a pay-out of a percentage of their sick leave accrued.

Section F – Leave Policy and Rules

F.4. – Sick Leave – Increases bi-weekly sick leave accrual from 3.69 to 4.62 hours per pay period, or from 12 to 15 days per year. Removes any limits on sick leave annual carry over, for all employees.

F.7 - Paid Parental Leave – Allows employees to take up to 80 hours of paid leave time for the birth of the employee's child or the adoption of the employee's child.

F.10. – Volunteer Time Off (VTO) – Requires employees to have been employed for a minimum of 6 months before using Volunteer Time Off. Defines the types of organizations for which Volunteer Time Off can be used.

Section G – Disciplinary Policy

G.2. – Unsatisfactory Work Performance or Misconduct – Adds violation of safety policies as an example of misconduct.

Board Action Requested:

Approved the recommended updates to the Personnel Management Plan to be effective on July 1, 2025.

RESOURCES

Reviewed Local Organizations for information regarding
Sick Time Accruals and Paid Parental Leave



Impact

Total Benefits Package for Employees: As part of our *Strategic Plan*, Rivanna maintains a professional and highly qualified workforce to support its infrastructure and operations. We aim to meet retention and recruitment efforts by ensuring competitive pay within our market.

Organization	Sick Time	Paid Parental Leave
Charlottesville City	4.62 hours/pay period	Yes – Up to 2 weeks
Commonwealth of VA	4.62 hours/pay period	Yes – Up to 8 weeks
Virginia Department of Health	4.62 hours/pay period	Yes – Up to 8 weeks
UVA Community Credit Union	Sick & PTO combined 5.54 hours/pay period	Yes – Up to 6 weeks
UVA	Sick & PTO combined 6.77 hours/pay period	Yes – Up to 8 weeks
Sentara	4.92 hours/pay period	Yes – Up to 4 weeks

WHAT IS CHANGING?



Sick Time Accrual

Current Policy:

- Employees earn 3.69 hours of Sick Time each pay period.
- *VRS Plan 1* and *VRS Plan 2* employees can carry over unlimited accrued Sick Time.
- *VRS Hybrid Plan* employees are allowed to carry over a maximum of 480 hours.

Changes:

- Employees will earn **4.62** hours of Sick Time each pay period
- All *VRS Plan* employees will now be able to carry over unlimited accrued Sick Time.

Impact:

Rivanna primarily competes for employee talent with local authorities and government utility departments located in the Virginia.

WHAT IS CHANGING?



Paid Parental Leave

Current Policy:

- The employee needs to complete FMLA paperwork and submit to Human Resources.
- *VRS Plan 1* and *VRS Plan 2* employees utilize any *optional* Short-Term Disability Insurance they may have purchased independently.
- Utilize accrued Sick Time and PTO
- *VRS Hybrid Plan* employees utilize Short-Term Disability Insurance through VRSA
- Utilize accrued Sick Time and PTO

Changes:

- This policy runs concurrently with Family and Medical Leave Act (FMLA) leave, as applicable. The employee will need to complete FMLA paperwork and submit to Human Resources.
- Employees will receive up to 80 hours of *Paid Parental Leave* for the birth or adoption of a new child.
- Eligibility Requirements and Exclusions apply.

WHAT IS CHANGING?



Retirement Pay Out

Current Policy:

- *VRS Plan 1* and *VRS Plan 2* employees are paid a percentage of their Sick Leave Accrual based on tenure, up to a maximum of \$5,000.
- *VRS Hybrid Plan* employees are paid a Retirement Service Bonus instead of the percentage of Sick Leave Accrual.

Changes:

- All *VRS Plan* employees will now receive a pay out of a percentage of their accrued sick leave.
- Increases the maximum pay out for accrued sick leave from \$5,000 to \$6,500.
- Eliminates the retirement service bonus for *VRS Hybrid Plan* members.

WHAT IS CHANGING?



Volunteer Leave

Adding Eligibility Requirements:

- Requires employees to have been employed for a minimum of 6 months before using Volunteer Time Off.
- Defines the types of organizations that Volunteer Time Off can be used for.

Disciplinary Policy

Adding Language:

Adds violation of safety policy as an example of misconduct.

BOARD ACTION REQUESTED

Approve the recommended updates to the Employee *Personnel Management Plan* to be effective on July 1, 2025.

THANK YOU!





MEMORANDUM

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

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

**SUBJECT: APPROVAL OF THE FY 2026-2030
CAPITAL IMPROVEMENT PLAN**

DATE: MAY 27, 2025

We are pleased to present the proposed FY 2026 – 2030 Capital Improvement Plan (CIP) which includes 71 projects totaling \$550 M. This CIP was reviewed in detail with the Board during the February 2025 meeting, and will be briefly reviewed again today. We continue to strategically serve the needs of the community while meeting or exceeding regulatory requirements. This CIP funds completion of the community's Water Supply Plan projects by 2030, raw water infrastructure supporting Crozet, as well as critical finished water transmission projects in the City and County. Combined, these projects provide the reliability and resiliency needed to address the growing requirements of regulations and economic development. This CIP will also strategically renew critical assets throughout our systems to ensure we meet the quantity, quality, and reliability expectations of the public drinking water and wastewater customers in our community.

During this five-year period, the CIP will strengthen our drinking water systems with essential projects including:

- ***Community Water Supply Plan Components*** - the South Fork Rivanna Reservoir to Ragged Mtn Reservoir Water Pipe and Pumping Project; the Ragged Mountain to Observatory Water Pipe and Pumping Project; Raising the Normal Pool level at Ragged Mountain Reservoir and adding oxygenation systems to the reservoirs.
- ***Critical Finished Water Transmission projects*** – Completion of the Central Water Line; Additional Crossings of the South and North Fork Rivanna River.
- ***Enhancements to Address Emerging Contaminants*** - Additional Granular Activated Carbon Water Filtering Facilities at the Crozet and Red Hill Water Treatment Plants
- ***Crozet Water Supply Projects*** - Modifications to the Beaver Creek Reservoir Dam along with construction of a new Pump Station and Raw Water Piping

We will also complete significant improvements to our wastewater treatment and collection facilities to ensure regulatory compliance and environmental protection. The proposed CIP includes essential wastewater projects including:

- ***Renovations and Repairs to Wastewater Facilities*** - Moores Creek, Scottsville, Glenmore, Crozet Pump Stations, and the Albemarle Berkley Pump Station
- ***Repairs and Replacement of Wastewater Piping and Manholes*** - Crozet, Albemarle-Berkley, Powell Creek, Moores Creek, Upper Rivanna Interceptors; Upper Schenks Branch Phase 2

Board Action Requested:

Approve the FY 2026 – 2030 CIP totaling \$550 million.

Proposed Capital Improvement Program

FY 2026-2030

For the Board Of Directors

May 27, 2025

By Jennifer Whitaker, P.E.
Director of Engineering and Maintenance



Ragged Mountain Reservoir

Strategic Plan Goal

2023 – 2028

“Planning and Infrastructure”

- “To address evolving needs by planning, delivering, and maintaining dependable infrastructure and facilities in a financially responsible manner.”

Priorities of the FY 26 – 30 CIP

- *Complete our growing community's Water Supply Plan to increase water capacity and reliability by 2030.*
- *Complete critical drinking water infrastructure to reliably meet the needs of the entire service area now and in the future by constructing the Central Water Line, Airport Road Water Storage Tank #1, and the second North Fork Rivanna River crossing.*
- *Maintain water treatment, storage, and piping infrastructure to meet and exceed regulatory water quality requirements.*
- *Maintain wastewater treatment and piping infrastructure to meet and exceed environmental regulatory requirements. Sustainably reuse and dispose of end-products.*
- *Implement the CIP in an environmentally protective and financially responsible manner.*

FY 26 – 30

Capital Improvement Program

71 Projects, \$550 M

63 Construction, 4 Studies, 4 I.T. / Asset Management / Radio

Urban Water	Urban Wastewater	Non-Urban Projects & Shared	Total
\$313.5 M	\$130 M	\$107.5 M	\$550 M

ACSA	City Utilities	Total
\$378 M	\$173 M	\$550 M

Funding

Already Paid For	Ex. Debt Proceeds	Cash Reserves	Grants/Insur	New Debt	Total
\$21 M	\$93 M	\$13 M	\$41 M	\$383 M	\$550 M



Major Programs and Projects



- Water Treatment Plants

- Crozet GAC Filters
- Scottsville Renovations
- Urban GAC Facilities Dehumidification
- South Rivanna PAC Renovations
- Observatory Hypo Tank Replacements
- Observatory Backwash Basin Sludge Removal
- S Rivanna Main Plant Generator Replacement
- Crozet Disinfection Upgrade

- Capacity

- SRR to RMR Raw Water Piping
- Emmet St. Water Piping
- Berkmar Ext. Waterline Phs. 2
- Maury Hill Sewer Replacement
- Admin Building Renovation & Addition
- Airport Road Tank No. 1

- Operation/Maintenance/Safety/Sustainability

- Dam Concrete and Steel Repairs
- Tank Painting and Rehabilitation
- WW Piping and MH Repairs
- MC Maintenance, Blower, Pumping Building Repairs
- MC Concrete and Steel Repairs
- MCPS and Septage Receiving Renovations
- MC Biogas Upgrades
- SRR and RMR HLOS and Aeration
- Crozet Greyrock Pump Station Repairs
- Security Enhancements

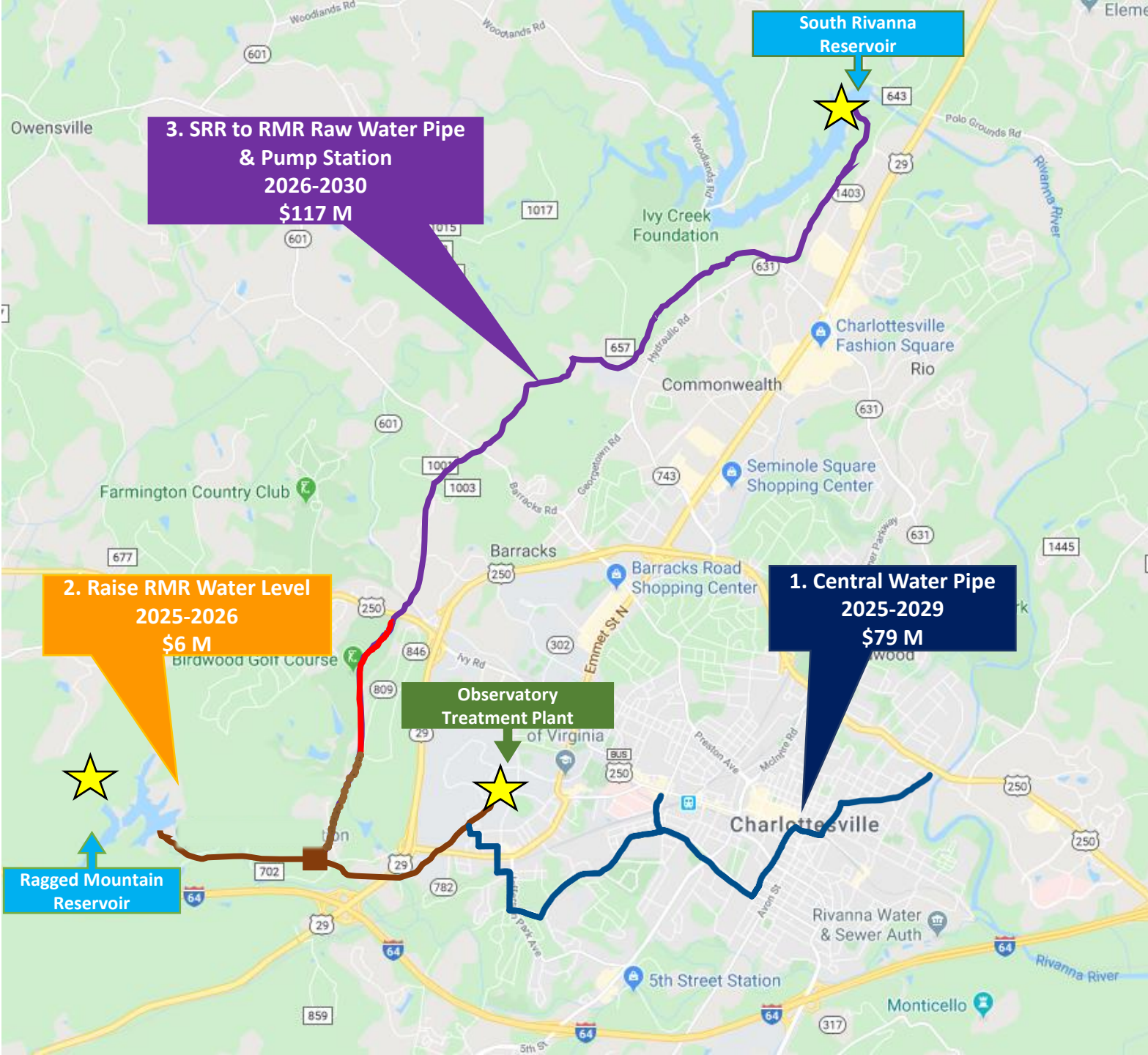


- Regulatory

- Beaver Creek Dam, Pump Station & Piping
- North Rivanna WTP Decommissioning

- Reliability / Redundancy

- Central Water Line
- South Fork Rivanna River Crossing
- Glenmore WRRF Renovations
- Scottsville WWTP Emergency Generator
- Upper Schenks Branch Interceptor
- North Fork Rivanna River Crossing
- Flood Resilience Enhancements

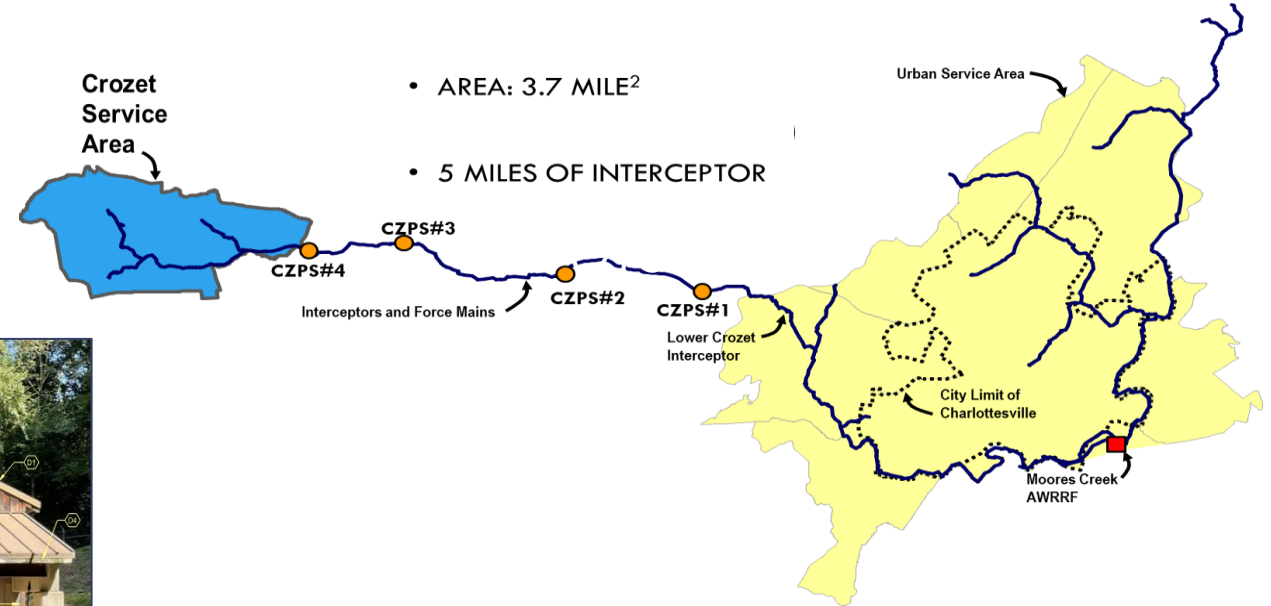


Water Supply & Quality Projects

(May 19, 2025)

Total Project Cost	
1. Central Water Pipe, Ph 1 & 2 2025-2029: <i>Award June 2025</i> 52% ACSA / 48% City	\$79 M
2. Raise RMR Water Level 2025-2026: <i>Award June 2025</i> 80% ACSA / 20% City	\$6 M
3. SRR to RMR Raw Water Pipe 2026-2030: <i>Award Jan 2026</i> 80% ACSA / 20% City	\$117 M
4. SRR Aeration & RMR HLOS 2028-2030: <i>Award Jan 2028</i> 52% ACSA / 48% City	\$9 M
ACSA \$144 M City Utilities \$67 M	\$211 M

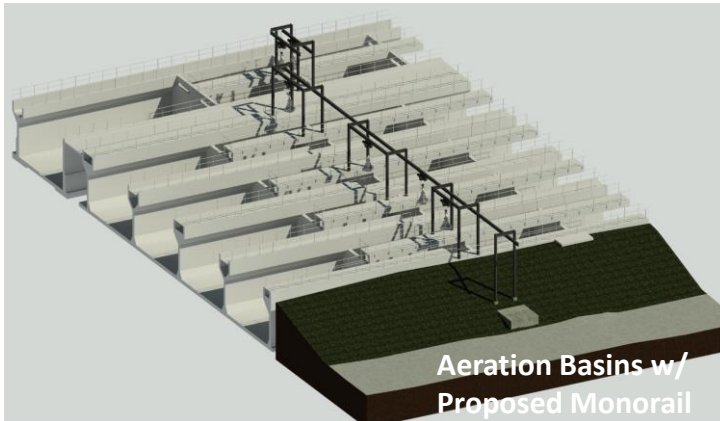
Crozet Pump Stations Rehabilitation



- Repair of 4 wastewater pump stations constructed in 1980's
- Replacement of pumps and valves, roofs, motor control centers, generators, automatic transfer switches, PLCs and other architectural improvements
- Construction: April 2025 – September 2027
- Budget \$12.35 M; 100% ACSA

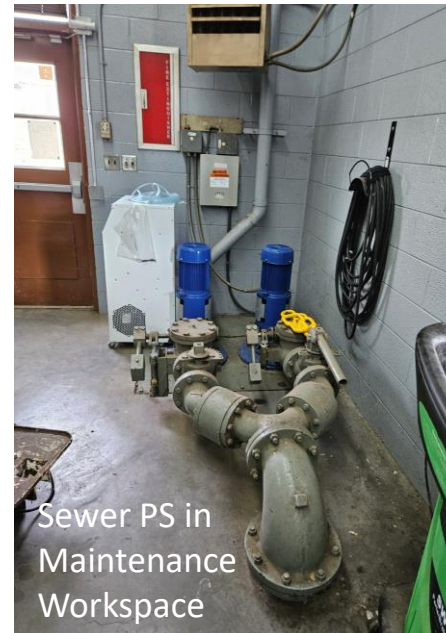
MC Structural and Concrete Rehabilitation

- Repairs throughout plant including holding ponds, EQ basins, primary clarifiers, digesters, and equipment shed roof and drainage
- Improves pump removal from Aeration Basins
- Construction: May 2025 – May 2027
- Budget \$16.4 M
- 52% ACSA/48% City Utilities



MC Building Upfits and Gravity Thickener Improvements

- Renovation of Wastewater Operations and Maintenance buildings
- Original structures are 40 years old and no longer meet current staffing and operational needs
- Includes gravity thickener improvements – chemical feed and sludge line clean-outs
- Construction: May 2025 – December 2026
- Budget \$11.8 M; 52% ACSA/48% City Utilities



MC Administration Building Renovation & Addition



Existing Outdated Laboratory



NORTH ELEVATION

- Original building constructed in 1980's
- Renovate interior and expand to include Lab, offices, education ctr & Board Rm
- Construction: June 2025 - December 2027
- Budget \$27.6 M
- 52% ACSA/48% City Utilities



Existing 20 Yr. Old Office Trailers

Granular Activated Carbon Expansion - Crozet WTP

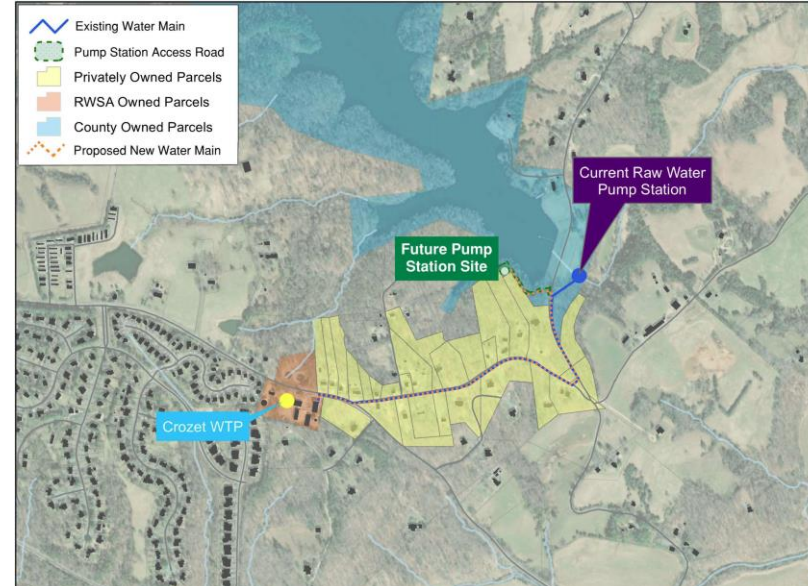
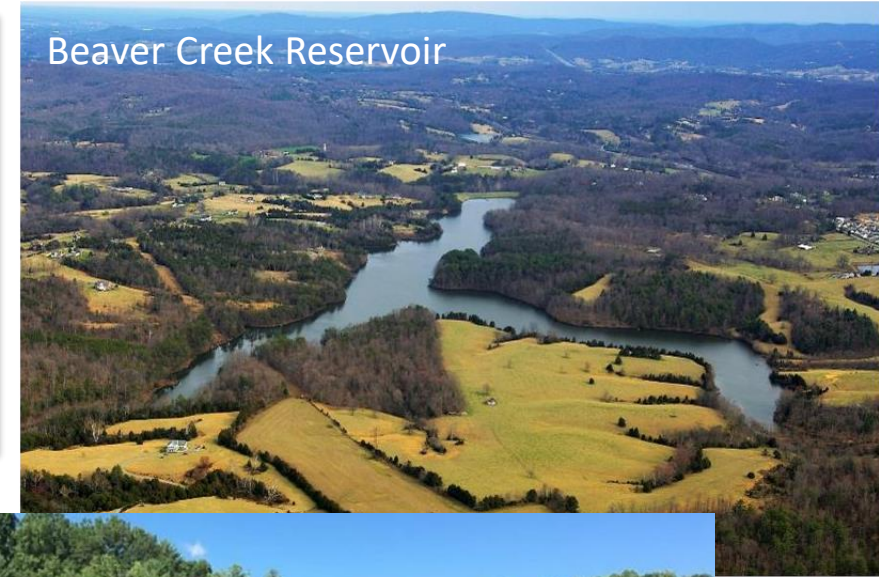


- Additional building and 2 GAC vessels to increase treatment capacity from 1 to 2 MGD
- Bidding: May 2025
- Construction: Nov 2025 – May 2027
- Received \$7 M in grant funds from VDH
- Budget \$10.1 M; 100% ACSA



Beaver Creek Dam, Pump Station & Piping Modifications

- Upgrade the spillway to meet DCR dam safety standards
- Replace the raw water pump station, intake, and pipe to the Crozet WTP
- Construction: May 2026 – February 2030
- Anticipating federal NRCS grant of \$21 M
- Budget \$62 M; 100% ACSA



FY 26 – 30

Capital Improvement Program

71 Projects, \$550 M

63 Construction, 4 Studies, 4 I.T. / Asset Management / Radio

Urban Water	Urban Wastewater	Non-Urban Projects & Shared	Total
\$313.5 M	\$130 M	\$107.5 M	\$550 M

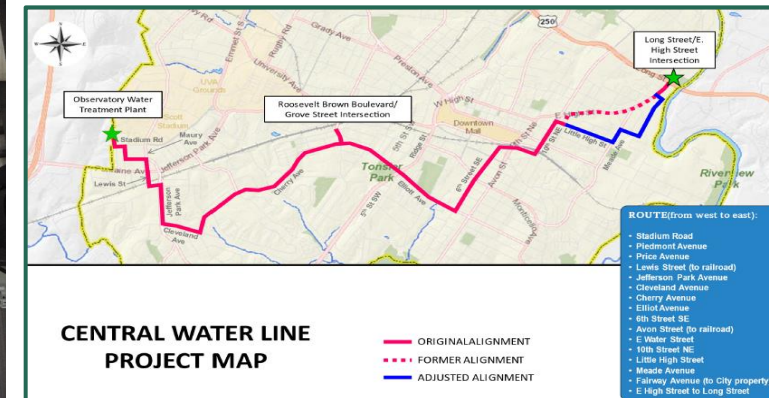
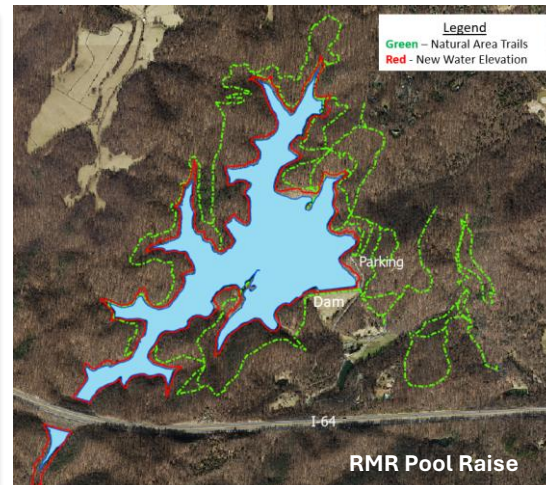
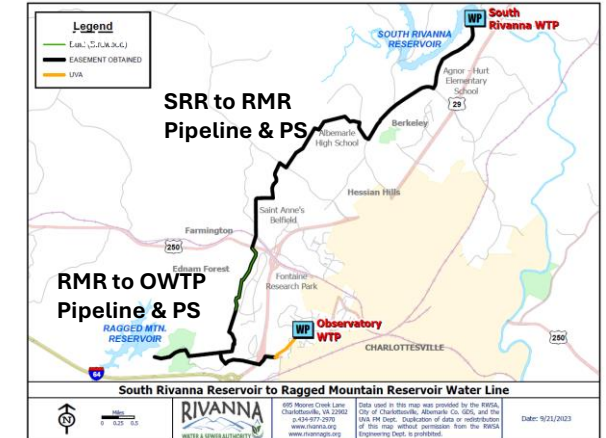
ACSA	City Utilities	Total
\$378 M	\$173 M	\$550 M

Funding

Already Paid For	Ex. Debt Proceeds	Cash Reserves	Grants/Insur	New Debt	Total
\$21 M	\$93 M	\$13 M	\$41 M	\$383 M	\$550 M

Questions and Board Action Requested

Approve the FY 2026-2030
Capital Improvement Plan
totaling \$550 M.



Capital Improvement Plan

Fiscal Years 2026-2030

Adopted May 2025



OUR MISSION

Our knowledgeable and professional team serves the Charlottesville, Albemarle, and UVA community by providing high-quality water and wastewater treatment, refuse, and recycling services in a financially responsible and sustainable manner.



Rivanna Water & Sewer Authority
695 Moores Creek Lane
Charlottesville, Virginia 22902



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Introduction

The Capital Improvement Plan (CIP) for Fiscal Years 2026-2030 has been prepared as a strategic and financially responsible plan for the Rivanna Water and Sewer Authority (RWSA) to complete major infrastructure construction projects. The projects included in the CIP are necessary to achieve the RWSA's core mission of providing safe, high-quality drinking water and environmentally responsible wastewater treatment services for the City of Charlottesville and the Albemarle County Service Authority (ACSA). The CIP is a 5-year planning document which provides an estimated budget and schedule for projects as they advance through the design and construction process.

The infrastructure requirements of the Capital Improvement Plan are developed through our Asset Management and Master Planning programs to address water and wastewater capacity demands, regulatory mandates and rehabilitation needs. Each year, these projects are reviewed and prioritized by the RWSA management team and brought forth for review by the Board of Directors.

During the past year, several capital projects were completed or are nearing the end of multi-year construction and as such are being removed from the 2026-2030 CIP. These projects account for approximately \$14.5 million or 3.9% of the FY 2025-2029 CIP. These projects include:

- 5 Observatory Water Treatment Plant Improvements
- 8 South Rivanna Water Treatment Plant Improvements
- 18 Airport Rd Pump Station and North Rivanna Transmission Main
- 46 Moores Creek AWRRF Meter and Valve Replacements
- 59 IT Infrastructure (partial)

The total 5-year 2026-2030 CIP is approximately \$550 million, with the previous expenditures on active projects totaling \$20.8 million, leaving a net proposed 5-year projected expenditure of \$529.2 million.

There are ten (10) new projects added to the CIP this year. The total estimated expenditures for the projects equal \$11.6 million and include:

- 15 South Rivanna Water Treatment Plant – Floc Basin Improvements
- 16 South Rivanna Water Treatment Plant – Permanganate Improvements
- 27 Airport Road Tank No. 1
- 28 Finished Water Master Plan Update 2030
- 29 Urban Area Water Demand and Safe Yield Analysis 2030
- 39 Crozet Water Treatment Plant – Disinfection Upgrades
- 40 Crozet Drinking Water Infrastructure Plan Update 2025
- 52 Comprehensive Sewer Model and Study Updated 2030
- 64 Scottsville WRRF – Permit Modification Upgrade
- 67 Stone Robinson Elementary School Plant Upgrade

There were six (6) projects with mid-year cost additions. The total budget for these is \$40.7 million.

- 1 Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line
- 2 Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Pump Station
- 16 South Rivanna Water Treatment Plant - Permanganate Improvements
- 42 Red Hill Water Treatment Plant – Upgrades & GAC Addition
- 47 Crozet Pump Station 1, 2, 3 Rehabilitation
- 51 Rivanna Pump Station Rehabilitation

Inflationary pressures within the construction market have significantly impacted bid pricing over the past 36 months. As such, virtually all projects have seen an increase in projected costs. This is especially impactful on the FY 26-30 CIP as a significant number of long planned projects are reaching bidding and construction phases.

In summary, the FY 26-30 CIP is largely driven by an increase in project costs. The impact of all cost factors can be seen in Table 1 below:

Table 1	
FY Line Item	Cost
25-29 Capital Improvement Plan	\$371,000,436
Mid-Year Additions	\$ 40,730,000
FY 30 Projects	\$ 31,853,000
Inflation and Scope Additions	\$ 109,595,753
New Projects	\$ 11,589,000
Completed Projects	\$ (14,489,909)
Total	\$ 550,278,280

FINANCIAL SUMMARY
MAJOR SYSTEM CATEGORIES

FINANCIAL SUMMARY

Major System Categories – Water

	Five-Year Capital Program			Projected Future Expenses by Year						
System Description	Current CIP	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Recommended CIP	Work-in-Progress
Urban Water (UW)										
Community Water Supply Plan	\$127,775,000	\$54,455,000	\$21,810,000	\$21,080,000	\$35,880,000	\$36,976,000	\$39,041,000	\$27,443,000	\$182,230,000	\$3,695,512
Urban Water Treatment Plants & Reservoirs	\$9,120,000	\$6,291,400	\$1,575,000	\$1,882,000	\$4,500,000	\$2,448,000	\$3,434,400	\$1,572,000	\$15,411,400	\$126,665
Finished Water Storage/Distribution	\$72,596,000	\$43,006,400	\$22,185,000	\$13,362,000	\$26,871,800	\$25,611,600	\$20,817,000	\$6,755,000	\$115,602,400	\$3,095,450
Subtotal (UW)	\$209,491,000	\$103,752,800	\$45,570,000	\$36,324,000	\$67,251,800	\$65,035,600	\$63,292,400	\$35,770,000	\$313,243,800	\$6,917,627
Non-Urban Water (NUW)										
Crozet Water System	\$58,800,000	\$23,601,000	\$9,660,000	\$9,750,000	\$24,925,000	\$20,821,000	\$11,465,400	\$5,779,600	\$82,401,000	\$2,030,138
Scottsville Water System	\$3,100,000	\$6,162,000	\$2,050,000	\$0	\$0	\$888,000	\$2,016,000	\$4,308,000	\$9,262,000	\$66,151
Subtotal (NUW)	\$61,900,000	\$29,763,000	\$11,710,000	\$9,750,000	\$24,925,000	\$21,709,000	\$13,481,400	\$10,087,600	\$91,663,000	\$2,096,289
WATER TOTAL	\$271,391,000	\$133,515,800	\$57,280,000	\$46,074,000	\$92,176,800	\$86,744,600	\$76,773,800	\$45,857,600	\$404,906,800	\$9,013,916

FINANCIAL SUMMARY

Major System Categories – Wastewater

	Five-Year Capital Program			Projected Future Expenses by Year						
System Description	Current CIP	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Recommended CIP	Work-in-Progress
Urban Wastewater (UWW)										
Wastewater Interceptors and Pumping Stations	\$22,810,000	\$28,797,000	\$13,520,000	\$24,475,000	\$3,262,000	\$2,292,000	\$4,470,000	\$3,588,000	\$51,607,000	\$4,484,134
Moore's Creek AWWRF	\$53,300,000	\$24,502,000	\$32,910,000	\$29,510,000	\$14,734,000	\$648,000	\$0	\$0	\$77,802,000	\$5,132,399
Subtotal (UWW)	\$76,110,000	\$53,299,000	\$46,430,000	\$53,985,000	\$17,996,000	\$2,940,000	\$4,470,000	\$3,588,000	\$129,409,000	\$9,616,533
Non-Urban Wastewater (NUWW)										
Scottsville WRRF	\$1,090,000	\$720,000	\$520,000	\$582,000	\$6,000	\$78,000	\$624,000	\$0	\$1,810,000	\$75,765
Glenmore WRRF	\$1,645,000	\$5,072,000	\$75,000	\$2,190,000	\$180,000	\$48,000	\$864,000	\$3,360,000	\$6,717,000	\$0
Subtotal (NUWW)	\$2,735,000	\$5,792,000	\$595,000	\$2,772,000	\$186,000	\$126,000	\$1,488,000	\$3,360,000	\$8,527,000	\$75,765
WASTEWATER TOTAL	\$78,845,000	\$59,091,000	\$47,025,000	\$56,757,000	\$18,182,000	\$3,066,000	\$5,958,000	\$6,948,000	\$137,936,000	\$9,692,298
All Systems Security & Technology	\$6,274,527	\$1,160,953	\$4,588,527	\$1,166,953	\$1,080,000	\$69,600	\$450,000	\$80,400	\$7,435,480	\$2,044,378
TOTAL	\$356,510,527	\$193,767,753	\$108,893,527	\$103,997,953	\$111,438,800	\$89,880,200	\$83,181,800	\$52,886,000	\$550,278,280	\$20,750,592

PROJECT DETAILS

Page	8	Completed Projects
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Page	24	Non-Urban Water
Page	31	Urban Wastewater
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Page	44	All Systems

Completed Projects

During fiscal year 2025, several capital improvement projects were completed, were advanced to the final phases of close-out, or were largely completed. Presented in the table below are the five (5) completed projects, pertinent information on the adopted budgets, as well as the projected final costs and any anticipated savings. There was a total completed project cost savings of \$0.5 million.

5. Observatory Water Treatment Plant Improvements: The Observatory Water Treatment Plant was originally constructed in the mid-1950s, and prior to this project, much of the original equipment remained. As a result, that equipment was inefficient, prone to unexpected failure, and did not have readily accessible replacement parts. Based on a Needs Assessment Study, the plant underwent a wholesale upgrade including improvements to the flocculators, sedimentation basins, filters, and chemical feed facilities to enhance future reliability. In addition, the existing reinforced concrete flume, which conveys treated water from the sedimentation basins to the filters, was replaced, filter control valves and piping were replaced, and electrical and SCADA control systems were upgraded. A portion of this project was also completed during the Granular Activated Carbon (GAC) project, where the flocculator systems were upgraded with new mechanical and electrical equipment, including variable speed drives for optimal efficiency. In addition to providing needed equipment upgrades, these improvements have increased the plant's capacity from 7.7 million gallons per day to 10 million gallons per day to provide needed reliability and redundancy in the Urban System. As part of this capacity increase, the plant's GAC treatment capacity was increased as well, with the addition of four GAC contactors.
8. South Rivanna Water Treatment Plant Improvements: The South Rivanna Water Treatment Plant previously completed limited upgrades as part of the Urban Granular Activated Carbon project. Over the course of that project, several other significant needs were identified and assembled into this single improvement project. Under this project the following improvements were made: a new alum and fluoride storage facility; installation of two additional filters to meet firm capacity needs and new filter control panels; building around the lime storage facilities; the addition of a second variable frequency drive at the Raw Water Pump Station as well as other general pump station improvements; the relocation for the electrical gear from a subterranean location at the Sludge Pumping Station to a new aboveground enclosure; a new administration building on site for additional office, meeting, and storage space; high service pump improvements and the addition of variable frequency drives to three of the pumps; sedimentation basin improvements; replacement of filter inlet valves and actuators; remodeling of the existing filter building for better lab and control space and painting throughout; new clarifier drives; and incoming electrical system improvements for the facility. These upgrades have improved the reliability and resiliency of the plant, particularly at higher flow rates.
18. Airport Rd. Pump Station and North Rivanna Transmission Main: Rt. 29 Pipeline and Pump Station master plan was developed in 2007 and originally envisioned a multi-faceted project that reliably connected the North and South Rivanna pressure bands, reduced excessive operating pressures, and developed a new Airport pressure zone to serve the highest elevations near the Airport and Hollymead Town Center. The master plan was updated in 2018 to reflect the changes in the system and demands since 2007. This project, along with the South Rivanna River Crossing project, will provide a reliable and redundant finished water supply to the North Rivanna area. Once the North Rivanna Water Treatment Plant is abandoned, the Airport Road Pump

Station will be the primary means to supply water to the North Zone. The proposed pump station will be able to serve system demands at both the current high pressure and a future low-pressure condition. These facilities will also lead to a future phase implementation which will include a storage tank and the creation of the Airport pressure zone. Construction is complete for two “gap” sections of 24-inch water main between the already completed sections in the vicinity of Kohl’s, and the pump station is in operation.

46. MCAWRRF Meter and Valve Replacements: As part of the 2018 Odor Control Phase II Project, the post digestion clarifiers were eliminated from use and the gravity thickener overflow was diverted through existing piping directly to the Moores Creek Pump Station at the head of the treatment facility. This resulted in less odor generation, however, the gravity thickener overflow lost its metering location at the post digestion clarifiers. A new metering manhole location was installed near the Moores Creek Pump Station where several plant recycle flows come together. Unfortunately, this meter location has been problematic and is subject to backwater flows from the pump station and meter fouling from grease and solids. Following an evaluation of each recycle flow stream, an alternative way to calculate recycle flows via summation of individual meters on each recycle flow line was determined which will provide less operation and maintenance problems.

The circulation of Waste Activated Sludge (WAS) and Return Activated Sludge (RAS) is important in the wastewater process to maintain a healthy balance of microorganisms. The existing WAS and RAS flow meters are original to the 1980’s construction of the facility and are nearly 40 years old. These meters can no longer be calibrated, and replacement parts are not available. Replacement of these existing meters, in addition to installation of new meters for the primary and thickened sludge is necessary for process and operational efficiency and construction is complete.

59. IT Infrastructure: Systematic Network upgrades and standardization for aging switches and other infrastructure. SCADA asset inventory assessment and management policy to help establish plans for PLC and other IO asset maintenance. New business process implementations are ongoing – the general ledger/accounting systems currently in use will most likely need replacing as the current system will have an end of life in the late 2020’s.

Completed Projects

			Five-Year Capital Program			
Line No.	Proj. No.	Project Description	Adopted Budget 5/2024	Previous Expenditures (6/30/2024)	Final Projected Costs/Close Out	Savings
5	20.06	Observatory Water Treatment Plant Improvements	\$2,000,000	\$650,440.55	\$2,000,000.00	\$0
8	20.16	South Rivanna Water Treatment Plant Improvements	\$1,900,000	\$270,632.45	\$1,900,000.00	\$0
18	20.13	Airport Rd Pump Station and North Rivanna Trans. Main	\$10,000,000	\$8,831,088.60	\$9,350,000.00	\$650,000
46	21.11	Moore's Creek AWWRF Meter and Valve Replacements	\$475,000	\$294,519.09	\$363,421.00	\$111,579
59	20.47	IT Infrastructure	\$114,909	\$114,909.00	\$114,909.00	\$0
TOTAL			\$14,489,909	\$10,161,589.69	\$13,728,330.00	\$761,579

CIP 25-29 Total	CIP 25-29 Completed or Removed	CIP 25-29 Remaining	CIP 26-30 New Funding	CIP 26-30 New Total
\$371,000,436	\$14,489,909	\$356,510,527.00	\$193,767,753.00	\$550,278,280

Community Water Supply Plan

The Community Water Supply Plan represents the program developed with substantial community input to fulfill RWSA's contractual obligation to the City of Charlottesville (City) and the Albemarle County Service Authority (ACSA) to provide adequate drinking water for their future needs. This initiative started in 2003 to find a long-term solution that could achieve both local support and meet federal and state requirements. After multiple community meetings, updates with local officials, and frequent consultations with federal and state agencies, local support was obtained to apply for federal and state permits to expand the Ragged Mountain Reservoir and build a future pipeline between the South Rivanna and Ragged Mountain Reservoirs, with stream and wetlands mitigation to be provided through property in the Buck Mountain Creek area and property adjacent to a lower reach of Moores Creek near its confluence with the Rivanna River. Federal and state permits were granted in 2008 and amended in 2011.

The first phase of this long-term program centered around the expansion of the Ragged Mountain Reservoir, a project that would simultaneously address a legal obligation to correct safety deficiencies on the existing site. Through a combination of technical investigations, engineering evaluations, and continued public discussion, a decision was reached in February 2011 through the City Council and Board of Supervisors to build the new dam as an earthen dam, with the initial phase raising the reservoir pool height by 30 feet. The decision also outlined an objective of the further pursuit of water conservation through the City and ACSA, and the pursuit of opportunities for dredging of the South Rivanna Reservoir, with the second phase of reservoir expansion in the future. The Ragged Mountain Dam Agreement was amended in late 2023 and authorized the implementation and modifications for the additional 12 feet of storage at the Ragged Mountain Reservoir.

Project Descriptions:

1. Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line: Raw water is transferred from the Ragged Mountain Reservoir (RMR) to the Observatory Water Treatment Plant (OBWTP) by way of two 18-inch cast iron water lines which have been in service for more than 110 and 70 years, respectively. In addition to the need to increase transfer capacity between the RMR and OBWTP, increased frequency of emergency repairs and expanded maintenance requirements necessitates replacement of these water lines with a single, new raw water main. This new raw water main is expected to be constructed of 36-inch ductile iron pipe and will span a distance of approximately 21,400 linear feet, including the connection of the proposed RMR raw water pump station with the Southern terminus of the Birdwood raw water line completed in 2019, which will allow the pump station to integrate with the SFRR-RMR transfer system as well.
2. Ragged Mountain Reservoir to Observatory Water Treatment Plan Raw Water Pump Station: The Ragged Mountain Reservoir (RMR) to Observatory Water Treatment Plant (OBWTP) raw water pump station is planned to replace the existing Stadium Road and Royal Pump Stations, which have exceeded their design lives and would require significant upgrades to reliably meet the upgraded capacity of the Observatory WTP. The pump station will be designed to pump up to 10 million gallons per day (MGD) to the expanded Observatory WTP and will also be

integrated with the planned South Fork Rivanna Reservoir (SFRR) to RMR pipeline for improved operational flexibility and cost efficiencies. This integrated pump station will include the capacity to transfer up to 16 MGD of raw water from RMR back to the South Rivanna WTP, as well as boost up to 25 MGD of raw water from SFRR up to RMR and/or OBWTP. The pump station property was purchased as part of the SFRR to RMR raw water main preliminary design and right of way acquisition project.

3. South Fork Rivanna Reservoir to Ragged Mountain Pipeline, Intake and Facilities: The South Fork Rivanna Reservoir (SFRR) to Ragged Mountain Reservoir (RMR) 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 SFRR to RMR Pipeline, Intake, and Facilities Project will include construction of a 36" raw water pipeline, connecting SFRR and RMR, a new raw water intake and pump station at SFRR to bring total withdrawal capacity from SFRR 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. Design and construction of approximately 380 LF of piping along the alignment, as a betterment opportunity through the Victorian Heights development, located on Woodburn Road, has already been completed as part of the work. Construction of the new intake and pump station will permanently close the existing boat ramp on RWSA property at SFRR to the public.
4. South Fork Rivanna Reservoir Aeration & Ragged Mountain Reservoir Hypolimnetic Oxygenation Systems: Through RWSA's ongoing Reservoir Water Quality Monitoring Program and the South Fork Rivanna Reservoir (SFRR) to Ragged Mountain Reservoir (RMR) Pretreatment Evaluation Study, water quality benefits for an Aeration System at SFRR and a Hypolimnetic Oxygenation System at RMR have been identified. While these systems would be configured differently for each reservoir, the purpose of each system is to inject Oxygen into the depths of each reservoir. Iron and manganese concentrations are reduced, thus improving water quality within the reservoir and for downstream treatment processes.

Community Water Supply Plan

			Five-Year Capital Program			Projected Future Expenses by Year						
Line No.	Proj. No.	Project Description	Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
1	20.03	Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line	\$33,500,000	\$7,260,000	\$10,190,000	\$2,660,000	\$7,975,000	\$7,975,000	\$7,975,000	\$3,985,000	\$40,760,000	\$817,711
2	20.04	Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Pump Station	\$12,350,000	\$8,380,000	\$4,240,000	\$4,390,000	\$4,835,000	\$4,835,000	\$2,430,000		\$20,730,000	\$749,495
3	20.48 20.49	South Fork Rivanna Reservoir to Ragged Mountain Pipeline, Intake & Facilities	\$75,325,000	\$36,145,000	\$7,380,000	\$14,030,000	\$23,070,000	\$22,330,000	\$22,330,000	\$22,330,000	\$111,470,000	\$2,128,306
4	23.02	South Fork Rivanna Reservoir Aeration and Ragged Mountain Reservoir HLOS Systems	\$6,600,000	\$2,670,000				\$1,836,000	\$6,306,000	\$1,128,000	\$9,270,000	
		TOTAL	\$127,775,000	\$54,455,000	\$21,810,000	\$21,080,000	\$35,880,000	\$36,976,000	\$39,041,000	\$27,443,000	\$182,230,000	\$3,695,512

Urban Water Treatment Plants and Reservoirs

The Urban Water Treatment Plants and Reservoirs consist of the Observatory Water Treatment Plant (OBWTP) and Ragged Mountain/Sugar Hollow Reservoir System which is comprised of the water treatment facility on Observatory Mountain and the associated raw water infrastructure that stores and conveys source water to the plant. The raw water storage system includes the new Ragged Mountain Dam (constructed in 2014, with a useable raw water storage capacity of 1.44 billion gallons) and the Sugar Hollow Dam (originally constructed in 1947, upgraded in 1999 and downstream discharge improvements completed in September 2014, with a useable raw water storage capacity of 339 million gallons as updated by a 2015 bathymetric survey). The system also includes 17.6 miles of 18-inch raw water cast-iron mains, originally installed in 1908, 1922, and 1946. The Sugar Hollow Raw Water Main historically conveyed water from the Sugar Hollow Dam to the Observatory Water Treatment Plant, however, as a result of the New Ragged Mountain Dam project, the main now discharges directly into Ragged Mountain Reservoir. The remaining downstream section of the Sugar Hollow main now conveys raw water from the Ragged Mountain Reservoir to the treatment plant. The line crosses the Mechums River (where an abandoned pumping station is sited) on its way to Ragged Mountain Reservoir, and eventually passes through the Royal Pumping Station and terminates at the OBWTP. The Ragged Mountain Raw Water Main conveys water from the Ragged Mountain Reservoir through the Stadium Road Pumping Station and terminates at the OBWTP.

It also includes the South Rivanna Water System which is comprised of the source water, storage, conveyance and treatment infrastructure currently serving the urban area from the South Fork Rivanna River. The system includes the South Fork Rivanna Reservoir and Dam (built in 1966) with a raw water storage capacity of 1,248 MG of which 885MG is useable. The Dam is co-located with the raw water intake and pump station, as well as a small hydroelectric generation facility. The source water from the South Rivanna Reservoir is treated at the South Rivanna treatment plant (12-mgd rated capacity).

The North Rivanna Water System is also a part of this area and is comprised of a river intake and raw water pumping station on the North Fork of the Rivanna River, as well as the North Fork Water Treatment Plant (2-mgd rated capacity built in 1973). The North Rivanna System provides water to the ACSA service area located along US Route 29, between Forest Lakes subdivision and Piney Mountain Road.

Project Descriptions:

5. Observatory Water Treatment Plant – Hypo Tank Replacements: The Hypochlorite Building at the Observatory Water Treatment Plant (OBWTP) was constructed in 1999. The facility is designed to house all necessary sodium hypochlorite feed equipment as well as two (2) 12,000-gallon fiberglass reinforced plastic (FRP) storage tanks. With the tanks being more than 20 years old, the RWSA has elected to replace the tanks with new, similar size and volume tanks.
6. Observatory Water Treatment Plant – Backwash Basin Sludge Removal and Inspection: The concrete backwash basins were built in the 1920's and 1950's as part of the original water treatment plant to be used as open storage for the filtered water. They are currently used to settle solids out of the backwash water before it is decanted to the sanitary sewer system. This project

involves removal of the settled sludge and a complete inspection of the basins to determine the extent of concrete repairs needed to extend their useful life.

7. South Rivanna Water Treatment Plant – Sanitary Sewer Connection: Residual liquids and solids produced during the water treatment process at the South Rivanna Water Treatment Plant are routed through an equalization basin to two residuals clarifiers. Sludge is pumped to a belt filter press in the Solids Handling Facility, and clarified water is discharged to the South Fork Rivanna River under a VPDES permit issued by the Virginia DEQ. In the future, anticipated increases in solids processing will necessitate an alternative means of disposing of sludge from the treatment process. This project includes preliminary and final design of a new sewer connection to convey sludge to the sanitary sewer system, as well as right of way acquisition, permitting, and construction costs.
8. Urban Water Treatment Plants – GAC Building Dehumidification: Granular Activated Carbon (GAC) treatment was installed at the Urban water treatment plants (South Rivanna and Observatory) in 2018. The buildings constructed around the GAC vessels were not conditioned and only included unit heaters and portable dehumidifiers. As a result of the large GAC vessels in these buildings, the humidity levels in the area tend to promote condensation which can then lead to corrosion of the equipment and general degradation. While the portable dehumidifiers were beneficial, they tended to be unreliable and insufficient to maintain lower humidity levels in the buildings. As a result, the purpose of this project is to install permanent industrial dehumidification systems in the GAC buildings associated with the Urban water treatment plants. This project would include the dehumidification units as well as the necessary ductwork, electrical improvements, and architectural modifications required for a complete installation.
9. South Rivanna Water Treatment Plant – Main Plant Generator Replacement: During recent treatment plant upgrades, the condition of the existing main plant generator was evaluated, and it was determined that while the generator was capable of meeting our current needs at the plant, we should plan for a future replacement. This replacement would help ensure the appropriate level of electrical service resiliency for the plant and would include a new prime rated generator, automatic transfer switch, associated electrical switchgear, feeder cables and other appurtenances necessary to allow this replacement to take place while still providing the plant with backup power during the construction process.
10. North Rivanna Water Treatment Plant Decommissioning: The North Rivanna Water Treatment Plant (NRWTP) has been in use since the 1970's with minimal upgrades aside from the addition of Granular Activated Carbon in 2018. A Needs Assessment was performed that identified additional improvements that would be required for the plant to continue to reliably provide drinking water to the North Rivanna Pressure Zone. Due to the anticipated expense of these proposed improvements, a feasibility study was performed to determine if the NRWTP should be upgraded or decommissioned. The study concluded that the plant should be decommissioned, and expenses saved could be better applied to other improvements throughout the Urban Water System. As a result, this project includes demolition of the plant facilities, removal of the low head dam on the North Fork Rivanna River and returning the property to its pre-existing conditions.

11. Dam Concrete and Steel Repairs: RWSA operates several dams for water supply and sediment storage. These include concrete gravity dams and earthen embankment dams, ranging in age from 10 to over 80 years. Over time, normal wear and tear from water passage and weather can cause degradation of concrete and steel structures. To ensure continued safe operation of these dams into the future, it is imperative to complete periodic maintenance and repairs. This project includes funding for the evaluation, design, and construction of concrete and steel repairs at the Lickinghole Creek Dam, Totier Creek Dam, South Rivanna Dam, and Sugar Hollow Dam. Repairs are expected to include injection grouting of voids in concrete structures, concrete surface repairs, recoating steel hoist beams, and installation of new hoist trolleys, among others.
12. South Rivanna Water Treatment Plant – PAC Upgrades: The SRWTP currently utilizes a repurposed lime silo reconfigured to feed powdered activated carbon (PAC). PAC is fed in the mixing basin where it is mixed with the raw water prior to entering the rapid mix basins. The PAC storage silo and feed system has reached the end of its useful life and requires frequent maintenance attention to maintain operations. The purpose of this project is to replace the existing PAC system with a new modern PAC storage and slurry feed system similar to the one installed at the Crozet WTP and the one under construction at the Observatory WTP. This project would include demolition of the existing PAC silo and feed pumps, site work and grading required for the new PAC silo location and installation of a new PAC storage and slurry feed system complete with all necessary dry feed equipment, metering pumps, HVAC equipment and electrical and control equipment.
13. Buck Mountain Property Dam Remediation: The RWSA Buck Mountain Property in Free Union includes a small pond dam acquired as part of the property acquisition in the early 1980's. Based on the height of the dam and volume of water impounded in the pond, the dam is considered a low-hazard impounding structure subject to Virginia Dam Safety Regulations. Recent evaluations by Schnabel Engineering revealed defects in the dam consistent with age and wear that should be addressed in order to comply with state regulations. This CIP project includes funds to dewater the pond and temporarily modify the dam for safety purposes, if required, until funding is allocated for the repair, modification, or removal of the dam, currently planned for 2030 or later.
14. South Rivanna Water Treatment Plant Improvements: In an effort to continue to improve and enhance treatment capabilities at the plant and perform necessary equipment replacements, this project will include the installation of plate settlers in the sedimentation basins, replacement of the two rapid mixers, replacement of the existing freight elevator and other minor miscellaneous improvements.
15. South Rivanna Water Treatment Plant – Flocc Basin Improvements: This work was originally intended to be included in the SRWTP Treatment Improvements project, but based on feedback from Water Department staff, it was determined that replacement of the flocculation basin paddles and associated accessories was critical and needed to be advanced in the schedule. This project will replace the existing components in the three existing flocculation basins.
16. South Rivanna Water Treatment Plant – Permanganate Improvements: The SRWTP is a conventional surface water treatment plant that treats water from the South Branch of the

Rivanna River. As part of the treatment process the raw water is dosed with sodium permanganate. The existing sodium permanganate feed system is in a pre-engineered metal building generally located near the raw water pump station. When originally constructed, the Permanganate Feed Building housed powdered activated carbon feed equipment and had no secondary containment. To provide full concrete containment it is recommended that the existing 4" tall. Additionally, there will be an eyewash system with tempered water installed in this building. The tempered water will require additional power brought to the Permanganate building from the Rivanna Pump station.

Urban Water Treatment Plants and Reservoirs

			Five-Year Capital Program			Projected Future Expenses by Year						
Line No.	Proj. No.	Project Description	Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
5	25.05	Observatory Water Treatment Plants - Hypo Tank Replacements	\$300,000	\$71,000	\$35,000	\$132,000	\$204,000				\$371,000	
6	23.05	Observatory Water Treatment Plant - Backwash Basin Sludge Removal and Inspection	\$565,000	\$133,400				\$96,000	\$602,400		\$698,400	
7	23.11	South Rivanna Water Treatment Plant - Sanitary Sewer Connection	\$750,000	\$174,000			\$204,000	\$348,000	\$372,000		\$924,000	
8	23.04 23.09	Urban Water Treatment Plants - GAC Building Dehumidification	\$2,175,000	\$1,125,000				\$300,000	\$2,400,000	\$600,000	\$3,300,000	
9	22.08	South Rivanna Water Treatment Plant - Main Plant Generator Replacement	\$50,000	\$430,000					\$60,000	\$420,000	\$480,000	
10	20.18	North Rivanna Water Treatment Plant - Decommissioning	\$2,940,000	\$572,000	\$680,000		\$2,088,000	\$744,000			\$3,512,000	\$109,624
11	25.01	Dam Concrete and Steel Repairs	\$1,190,000	\$263,000	\$415,000	\$528,000	\$510,000				\$1,453,000	
12	24.01	South Rivanna Water Treatment Plant - PAC Upgrades	\$1,100,000	\$158,000	\$310,000	\$948,000					\$1,258,000	\$17,041
13	25.04	Buck Mountain Property Dam Remediation	\$50,000	(\$50,000)	\$50,000	(\$50,000)					\$0	
14	22.05	South Rivanna Water Treatment Plant Improvements		\$552,000						\$552,000	\$552,000	
15	22.05	South Rivanna Water Treatment Plant - Flocc Basin Improvements		\$2,400,000		\$180,000	\$1,260,000	\$960,000			\$2,400,000	
16	26.20	South Rivanna Water Treatment Plant - Permanganate Improvements		\$463,000	\$85,000	\$144,000	\$234,000				\$463,000	
		TOTAL	\$9,120,000	\$6,291,400	\$1,575,000	\$1,882,000	\$4,500,000	\$2,448,000	\$3,434,400	\$1,572,000	\$15,411,400	\$126,665

Finished Water Storage/Transmission – Urban System

The urban finished water storage and transmission system serves to provide transmission of treated water from the three RWSA water plants (Observatory, South Rivanna, and North Rivanna) to the distribution networks of the Albemarle County Service Authority, the City of Charlottesville, and the University of Virginia. The system includes approximately 40 miles of pipeline, six water storage tanks: Avon Street (2 MG), Pantops (5 MG), Piney Mountain (0.7 MG), Stillhouse (0.7 MG), Observatory (3 MG), and Lewis Mountain (0.5 MG), and the Alderman Road and Stillhouse pumping stations.

Project Descriptions:

17. Central Water Line: The southern half of the Urban Area water system is currently served by the Avon Street and Pantops storage tanks. The Avon Street tank is hydraulically well connected to the Observatory Water Treatment Plant while the Pantops tank is well connected to the South Rivanna Water Treatment Plant. The hydraulic connectivity between the two tanks, however, is less than desired, creating operational challenges and reducing system flexibility. In 1987, the City and ACSA developed the Southern Loop Agreement, outlining project phasing and cost allocations, as envisioned at the time. The first two phases of the project were constructed shortly thereafter. The third phase, known as the “Eastern Branch” is the subject of the current project. The initial funding for this project was used for route alignment determination, hydraulic modeling, and preliminary design. Due to the complicated nature of our finished water systems, it was decided at the August 2018 Board meeting that a more comprehensive approach was warranted and we should complete the Finished Water Master Plan prior to moving forward with final design and construction of the Avon to Pantops Water Main. The Finished Water Master plan was completed in 2021 and the Central Water Line project was prioritized for design and construction in coordination with the City and ACSA. The project will consist of approximately 5 miles of new 24-inch and 30-inch through the City to connect the Observatory Water Treatment Plant to an existing RWSA transmission main at East High and Long St. to ensure the increased hydraulic capacity of 10 MGD from the water treatment plant upgrades can be utilized. As part of this project, several City water mains will be replaced where co-located with the Central Water Line and the City will reimburse RWSA for that work. The project has been split into 2 construction contracts and Phase 1 includes 4-miles of the water line work and will be under construction in summer 2025, and bidding of Phase 2 will occur in summer 2025.
18. South Fork Rivanna River Crossing: RWSA has previously identified through master planning that a 24-inch water main will be needed from the South Rivanna Water Treatment Plant (SRWTP) to Hollymead Town Center to meet future water demands. Two segments of this water main were constructed as part of the VDOT Rt. 29 Solutions projects, including approximately 10,000 linear feet (lf) of 24-inch water main along Rt. 29 and 600 lf of 24-inch water main along the new Berkmar Drive Extension, behind the Kohl’s department store. To complete the connection between the SRWTP and the new 24-inch water main in Rt. 29, there is a need to construct a new river crossing at the South Fork Rivanna River. The selected alternative will include a 1,200 lf trenchless river crossing to minimize environmental impacts. Acquisition of right-of-way is required for the river crossing and along Rio Mills Road. The project is under construction.

19. Avon, Pantops, and Observatory Tank Painting: The Avon, Pantops and Observatory Ground Storage Tanks have volumes of 2-million, 3-million, and 5-million gallons respectively, and each of the tanks are located within the Urban Pressure Band of RWSA's Finished water Distribution System. The Urban Pressure Band services most of the City and ACSA critical customers (UVA, UVA/MJ Hospital, Senior Living Facilities, Defense Contractors, etc.). Each of the tanks play a pivotal role in maintaining system pressures and providing increased flows during fires and other system emergencies.

RWSA inspects its tanks on a regular basis and following recent inspections of the interior and exterior of each of the three tanks it was determined that these tanks are due for rehabilitation and necessary repairs. Each tank is slated to have its interior and exterior coatings rehabilitated, taken out of service, in turn, in order to complete repairs. While each tank is offline, roofing/structural repairs and safety enhancements will be made as appropriate to further protect the integrity of the tank.

20. Second N. Rivanna River Crossing & Select Pipe Replacement: The North Rivanna water distribution system has a 12-inch water line crossing of the North Rivanna River which is difficult to access and vulnerable to erosion and washout. The Finished Water Master Plan recommended we install a second redundant river crossing to ensure water can be conveyed north of the river to the Piney Mountain Tank from the new Airport Road Pump Station once the North Rivanna Water Treatment Plant is decommissioned. Approximately 1.2 miles of cast iron water line which has the highest system pressures and has experienced numerous emergency line breaks will be replaced as part of this project to improve system resiliency.
21. Emmet Street Betterment: The Urban Finished Water Master Plan identified several necessary upgrades to the urban water distribution system to improve system performance and reliability. One of the identified improvements is an upgrade and extension of the existing RWSA water main along the Emmet Street corridor from the UVA Dell Pond to Hydraulic Road. This project will utilize planned roads, streetscape, utility, and development projects along the Emmet Street corridor to complete portions of the Emmet Street water main improvements as betterment, with the goal of completing the approximately 2-mile-long water main by 2030. The project scope includes planning and coordination between RWSA, UVA, the City of Charlottesville, and VDOT, design services for the betterment and "gap" sections of water line, construction funding, and construction management services. Current identified projects with betterment opportunities include: the UVA Ivy Corridor Redevelopment, UVA Contemplative Commons, and the City of Charlottesville Emmet Streetscape Projects (multiple phases).
22. Berkmar Drive Ext. Waterline Phase 2: This water line project will be completed as betterment with the construction of the last section of the VDOT Berkmar Drive Extended project. VDOT has begun preliminary design, however, the construction is not anticipated for several years. This betterment will include approximately 1,000 feet of 16-inch waterline which will connect the new Airport Road Pump Station to an RWSA main in Airport Road. This second feed out of the new pump station will provide more redundancy to supply the North Zone once the North Rivanna Water Treatment Plant is decommissioned.

23. Urban Storage Evaluation and Tank(s) Addition: The Finished Water Master Plan outlined the need to evaluate our water storage system for fire suppression, to address frequent tank cycling, and to evaluate alternatives for realizing more useable volume in each tank. Once an evaluation is completed, this project will determine the best pressure bands to add storage to ease operational constraints. This project envisions the addition of two more water storage tanks which may be at existing tank locations or new ones.
24. SCADA Panel Relocations: At many remote water storage tank sites, control panels and PLCs associated with operation and monitoring of the tanks are located in valve vaults. These locations are a concern based on limited access to the electrical and instrumentation components as well as the condition of the space and the associated impact to the longevity of the devices. This project includes installation of new control panels and PLCs aboveground in weatherproof enclosures under a self-supporting canopy that would protect staff from direct weather impacts during operation or maintenance activities at seven water storage tank sites throughout the RWSA water distribution system. The components located in the valve vaults would be demolished after the new components were installed to minimize monitoring downtime.
25. Stillhouse, Lewis Mountain and Woodburn Road Tank Painting: The Stillhouse, Lewis Mountain, and Woodburn Tanks have volumes of 0.7-million, 0.5-million, and 1.0-million gallons respectively, Lewis Mountain and Stillhouse operate at their own pressure band. The Woodburn Road Tank is used primarily for backwash of the South Rivanna water treatment plant. Each of the tanks play a pivotal role in maintaining system pressures and providing increased flows during fires and other system emergencies. Stillhouse and Lewis Mountain tank combined serve mostly the northwestern section of charlottesville city and the Albemarle County directly adjacent to it.

RWSA inspects its tanks on a regular basis and following recent inspections of the interior and exterior of each of the three tanks it was determined that these tanks are due for rehabilitation and necessary repairs. Each tank is slated to have its interior and exterior coatings rehabilitated, taken out of service, in turn, in order to complete repairs. While each tank is offline, roofing/structural repairs and safety enhancements will be made as appropriate to further protect the integrity of the tank.

26. Airport Road Pump Station – Pump and VFD Upgrade: Following construction of the new Airport Road Pump Station, development has been increasing in the North Pressure Zone. In the next 5-10 years, it is anticipated that the firm capacity of the new pump station will be exceeded. This project will add a third pump, motor, piping, and VFD to the existing pump station (which already includes the room for expansion) to ensure capacity is available for new growth.
27. Airport Road Tank No. 1: The newly completed Airport Road Finished Water Pump Station (APFWPS) serves to provide finished water from the Urban pressure band to the North Rivanna pressure band and following decommissioning of the North Rivanna Water Treatment Plant (NRWTP), will be the primary means of supplying finished water to the North Rivanna pressure band. Extensive modeling work performed in previous studies and the recently completed

Northern Area Utilities Master Plan indicates that suction side pressures for the APFWPS may trend lower than recommended, mainly during heavy pumping scenarios or during time periods where the South Rivanna Water Treatment Plant (SRWTP) is offline or operating at a reduced output. To ensure that APFWPS can operate reliably with increasing demands in the North Rivanna pressure demand, a new 1-million-gallon ground storage tank at the pump station is recommended for construction. This project will include design and construction of the new tank. The tank will be installed at the APFWPS site, as the site was sized for two tanks of this size, with the second tank to be installed in the decades to come as demands dictate.

28. Finished Water Master Plan Update 2030: The Authority has a goal to plan, deliver, and maintain dependable infrastructure in a financially responsible manner and asset master planning is a priority strategy to accomplish this and improve overall system development. This project will account for this process as it relates to the urban finished water system and will use demand forecasting from the Urban Area Water Demand and Safe Yield Analysis to evaluate the system and identify needed improvements for capital planning purposes.
29. Urban Area Water Demand and Safe Yield Analysis 2030: In January 2012, the City of Charlottesville, Albemarle County Service Authority, and RWSA entered into the Ragged Mountain Dam Project Agreement. Within the agreement are provisions to monitor the bathymetric capacity of the Urban water reservoirs as well as a requirement to conduct reoccurring demand analysis, demand forecasting and safe yield evaluations. The purpose of this project is to perform the next recurring analysis and use the resulting information as part of the next Finished Water Master Plan update. The population projection efforts will be used in conjunction with the Finished Water Master Plan update, the Comprehensive Sewer Model and Study Update and the Crozet Drinking Water Infrastructure Plan update.

Finished Water Storage/Transmission – Urban System

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year						
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
17	20.10	Central Water Line	\$47,000,000	\$32,000,000	\$11,550,000	\$12,940,000	\$23,900,000	\$16,300,000	\$13,500,000	\$810,000	\$79,000,000	\$1,527,160
18	20.12	South Fork Rivanna River Crossing	\$7,300,000	(\$1,050,000)	\$5,900,000	\$350,000					\$6,250,000	\$340,227
19	20.50 20.51 20.64	Avon, Pantops and Observatory Tank Painting	\$3,945,000	\$2,175,000			\$468,000	\$2,418,000	\$1,812,000	\$1,422,000	\$6,120,000	
20	20.58	Second North Rivanna River Crossing and Select Pipe Replacement	\$650,000	\$2,870,800				\$42,000	\$760,800	\$2,718,000	\$3,520,800	
21	23.06	Emmet Street Betterment	\$9,235,000	(\$1,835,000)	\$4,515,000		\$885,000	\$2,000,000			\$7,400,000	\$1,228,063
22	24.09	Berkmar Drive Ext. Waterline - Phase 2	\$1,440,000	\$316,000	\$220,000		\$792,000	\$744,000			\$1,756,000	
23	24.12	Urban Storage Evaluation and Tank(s) Addition	\$2,980,000	\$1,700,000		\$72,000	\$366,000	\$648,000	\$2,520,000	\$1,074,000	\$4,680,000	
24	24.13	SCADA Panel Relocations	\$46,000	\$201,200					\$55,200	\$192,000	\$247,200	
25	20.52	Stillhouse, Lewis Mtn and Woodburn Rd Tank Painting		\$264,000						\$264,000	\$264,000	
26	24.05	Airport Road PS - Pump and VFD Upgrade		\$566,400			\$58,800	\$507,600			\$566,400	
27	26.06	Airport Road Tank No. 1		\$5,268,000			\$402,000	\$2,952,000	\$1,914,000		\$5,268,000	
28	26.11	Finished Water Master Plan Update 2030		\$290,000					\$15,000	\$275,000	\$290,000	
29	26.17	Urban Area Water Demand and Safe Yield Analysis 2030		\$240,000					\$240,000		\$240,000	
		TOTAL	\$72,596,000	\$43,006,400	\$22,185,000	\$13,362,000	\$26,871,800	\$25,611,600	\$20,817,000	\$6,755,000	\$115,602,400	\$3,095,450

Crozet Water System

The Crozet Water System includes the source water, raw water conveyance, finished water treatment, transmission and storage infrastructure for the Crozet community in western Albemarle County. The source water for this system is the Beaver Creek Reservoir and Beaver Creek (Garnett) Dam which were built in 1964 with a current useable storage capacity of 521 million gallons. Raw water is treated at the Crozet Water Treatment Plant (2.0 mgd rated capacity) and provides finished water to the Albemarle County Service Authority. The system includes the Crozet Elevated (Waterball) Tank (0.05 MG) for water treatment plant backwash; the Crozet Ground Storage Tank (0.5 MG) and pump station, and the Buck's Elbow Storage Tank (2.0 MG).

Project Descriptions:

30. Beaver Creek Dam Alteration: RWSA operates the Beaver Creek Dam and reservoir as the sole raw water supply for the Crozet Area. In 2011, an analysis of the Dam Breach inundation areas and changes to the Virginia Department of Conservation and Recreation (DCR) Impounding Structures Regulations prompted a change in hazard classification of the dam from Significant to High Hazard. This change in hazard classification requires that the capacity of the spillway be increased. Following the completion of a planning study in 2023, staff is proceeding with final design and construction of a labyrinth spillway and chute with a bridge to allow Browns Gap Turnpike to cross over the new spillway. Work for this project will be coordinated with the new relocated raw water pump station and intake. Federal funding through the Natural Resources Conservation Service is being pursued to cover the design and a portion of construction costs.
31. Beaver Creek New Raw Water Pump Station & Intake: The existing Raw Water Pump Station and Intake at the Beaver Creek Reservoir was constructed in 1964 and is located at the foot of the Beaver Creek Dam. Obligatory dam safety upgrades to the Beaver Creek Dam spillway necessitate moving the pump station away from its current location downstream of the dam. Additionally, the Drinking Water Infrastructure Plan for the Crozet water service area recommends installation of a new Raw Water Pump Station and Intake to meet new minimum instream flow requirements while increasing raw water pumping capacity to serve the growing needs of the Crozet community. The new pump station will be constructed adjacent to the dam on the Beaver Creek Reservoir. The new intake structure will include enhanced controls as well as an oxygenation or aeration system to enhance water quality within the reservoir.
32. Buck's Elbow Tank and Waterball Painting: The 2,000,000-gallon Buck's Elbow Ground Storage Tank provides finished water storage for the Crozet Area while the 50,000-gallon Crozet Waterball Tank serves as filter backwash storage at the Crozet Water Treatment Plant (CZWTP). Routine inspections of these tanks in 2012 indicated that the tanks would require recoating by 2020. The current coating system has lasted beyond this initial prediction and as such was moved to 2028. The project includes recoating the interior and top-coating the exterior of both tanks to prevent corrosion. Minor repairs and improvements to both tanks will also be included in this work, such as foundation repairs and safety enhancements. The repairs will precede the painting work due to necessity of repairs.

33. Crozet Water Treatment Plant – GAC Building Dehumidification: Granular Activated Carbon (GAC) treatment was installed at the Crozet Water Treatment Plant in 2018. The building constructed around the GAC vessels was not conditioned and only included unit heaters and portable dehumidifiers. As a result of the large GAC vessels in this building, the humidity levels in the area tend to promote condensation which can then lead to corrosion of the equipment and general degradation. While the portable dehumidifiers were beneficial, they tended to be unreliable and insufficient to maintain lower humidity levels in the building. As a result, the purpose of this project is to install a permanent industrial dehumidification system in the GAC building. This project would include the dehumidification units as well as the necessary ductwork, electrical improvements, and architectural modifications required for a complete installation.
34. Crozet AC Pipe Replacement: This project includes the installation of approximately 5,000 linear feet of new 18-inch ductile iron water line along Three Notched Road in Crozet. It will replace the final remaining section of 12-inch RWSA transite (asbestos cement) pipe built in the 1970's which is difficult to repair due to health and safety hazards. The new water line will connect the new Crozet Finished Water Pump Station at the Water Treatment Plant to the end of the previous transite replacement project at the entrance to Western Ridge and will provide more reliable service to carry the capacity of the recent water treatment plant upgrades.
35. Crozet Water Treatment Plant – Full GAC Treatment: In order to enhance RWSA's resiliency and commitment to long term finished water quality, the Authority has committed to expanding the Granular Activated Carbon (GAC) capacity at the Crozet WTP to match the current plant capacity. GAC has been identified as a leading best management practice to remove disinfection by product pre-cursors and similar potential contaminants from source water and can be used to manage removal of other emerging contaminants and compounds that are under consideration for regulation in the future. As a result, GAC treatment capacity will provide the Crozet WTP with the flexibility to provide high quality drinking water under various future conditions. This project includes an expansion of the existing GAC building, additional GAC vessels and the necessary pumps, piping, and electrical components to connect the expanded facility to the existing treatment plant.
36. Crozet Finished Water Greyrock Pump Station: RWSA's Bucks Elbow Ground Storage Tank (BET) currently can only be cycled as low as 26-feet (11-feet below overflow), due to the high elevation of several homes in the Greyrock area of Crozet. This results in about 0.6 million gallons (MG) of the total 2 MG being available for use. As a part of the proposed improvements, a small booster station will be installed near the tank site with a series of pressure reducing valves in order to allow the tank to cycle as low as 18-feet, making an additional 0.4 MG of water inside BET available for use. This will allow RWSA staff to cycle the tank lower, reducing water age and improving overall water quality in this area of the distribution system.
37. Crozet Ground Tank Painting: The 500,000-gallon Crozet Ground Storage Tank provides Chlorine Contact Time at the Crozet Water Treatment Plant (CZWTP) and serves as a clearwell for the Crozet Finished Water Pump Station. Inspections of this tank in 2018 and 2022 indicated that the tank's exterior will require top-coating by 2028 to prevent corrosion. The

project includes design, construction, and bid-phase services for top-coating of the tank exterior plus minor repairs and safety improvements as needed.

38. Crozet Water Treatment Plant – Disinfection Upgrades: During design of the Crozet Water Treatment Plant (WTP) GAC Expansion project, chlorine contact time (CCT) requirements for finished water were reviewed to confirm compliance with Virginia Department of Health guidelines for disinfection. Currently, the ground storage tank at the WTP provides sufficient CCT, but this does not allow for shutdowns of the tank for maintenance work or future higher flows from the treatment plant. Various disinfection alternatives are under consideration to address these conditions, including increased free chlorine residuals, installation of baffles in the existing ground storage tank to promote passive mixing, construction of additional storage for added CCT, or installation of a UV disinfection system. This project includes design and construction of the selected alternative.
39. Crozet Drinking Water Infrastructure Plan Update 2025: In 2019, staff completed a Drinking Water Infrastructure Plan for the Crozet Service Area to determine the water system improvements needed to meet area demands for a 50-year design period (to 2070). Since this plan was completed, rapid growth trends and Virginia Water Protection (VWP) Permit requirements issued in late 2024 by the Virginia Department of Environmental Quality (DEQ) have prompted a need to update and revise this plan. Work will include a review of the assumptions from the previous report and updates to the analysis with newly available population and water usage data and VWP Permit requirements. Various options for water system improvements will be assessed and detailed in the updated report to meet the long-term water needs of the Crozet community.

Crozet Water System

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
30	20.19	Beaver Creek Dam Alteration	\$23,700,000	\$4,460,000	\$3,975,000	\$2,020,000	\$8,625,000	\$6,765,000	\$4,515,000	\$2,260,000	\$28,160,000	\$1,126,133
31	20.20 21.15	Beaver Creek New Raw Water Pump Station & Intake	\$23,400,000	\$9,620,000	\$4,150,000	\$2,000,000	\$11,920,000	\$11,920,000	\$3,030,000		\$33,020,000	\$803,862
32	21.01	Buck's Elbow Tank and Waterball Painting	\$1,700,000	\$293,000	\$85,000		\$150,000	\$1,260,000	\$498,000		\$1,993,000	
33	23.10	Crozet Water Treatment Plant - GAC Building Dehumidification	\$665,000	\$157,000				\$72,000	\$750,000		\$822,000	
34	23.13	Crozet AC Pipe Replacement	\$1,175,000	\$2,581,000				\$576,000	\$900,000	\$2,280,000	\$3,756,000	
35	23.14	Crozet Water Treatment Plant - Full GAC Treatment	\$6,550,000	\$3,570,000	\$1,450,000	\$4,895,000	\$3,775,000				\$10,120,000	\$100,143
36	23.30	Crozet Finished Water Greyrock Pump Station	\$1,585,000	\$1,073,000				\$228,000	\$1,728,000	\$702,000	\$2,658,000	
37	20.55	Crozet Ground Tank Painting	\$25,000	\$557,000					\$44,400	\$537,600	\$582,000	
38	26.01	Crozet Water Treatment Plant - Disinfection Upgrades		\$840,000		\$600,000	\$240,000				\$840,000	
39	26.09	Crozet Drinking Water Infrastructure Plan Update 2025		\$450,000		\$235,000	\$215,000				\$450,000	
		TOTAL	\$58,800,000	\$23,601,000	\$9,660,000	\$9,750,000	\$24,925,000	\$20,821,000	\$11,465,400	\$5,779,600	\$82,401,000	\$2,030,138

Scottsville Water System

The Scottsville Water System is comprised of the raw water conveyance, finished water treatment, transmission and storage infrastructure for the Town of Scottsville in southern Albemarle County. The source water for this system is the Totier Creek Intake, and the backup supply is the Totier Creek Reservoir, which was built in 1971 with a current useable capacity of 182 million gallons. Raw water is treated at the Scottsville Water Treatment Plant (0.25 mgd rated capacity) and provides finished water to the Albemarle County Service Authority. The system includes the Scottsville Storage Tank (0.25 MG). In 2023 ACSA conveyed to RWSA the Scottsville Finished Water Pump Station on James River Road, the Rt. 795 Tank (0.7 MG) and the piping in between.

Project Description:

40. Scottsville Water Treatment Plant – Upgrade: The Scottsville Water Treatment Plant was originally constructed in 1967, and other than the addition of Granular Activated Carbon (GAC) treatment and interior finished water piping improvements, much of the original plant, including process and electrical equipment, remains in service. As a result, a needs assessment for the plant was completed that identified a number of additional improvements required to maintain a high level of treatment and water quality for the Scottsville community. Improvements include upgrades to the raw water pump stations, general electrical system upgrades, construction of a building addition to allow for more effective chemical storage and other general space needs, rehabilitation of the existing lab space, and other treatment process-based upgrades.
41. Red Hill Water Treatment Plant – Upgrades & GAC Addition: The Red Hill Water Treatment Plant was constructed in a joint effort of ACSA and RWSA in 2009 and consists of a well, pneumatic tank and pump house that provides treated water to the Red Hill Elementary School and adjoining neighborhood. Originally the facility was operated primarily as a well head and pump house. More recently the facility has operated as a water treatment facility with a well as source water. As such, there have been several chemical process additions, automation, online monitoring and an increase in operator wet chemistry testing. The current building is well beyond its physical capacity and this project will serve to expand the building and improve the configuration of the process and laboratory needs of the WTP.

Furthermore, to enhance RWSA's resiliency and commitment to long term finished water quality, the Authority has committed to adding Granular Activated Carbon (GAC) treatment at the Red Hill WTP, sized to match the current plant capacity. GAC has been identified as a leading best management practice to remove disinfection by product pre-cursors and similar potential contaminants from source water and can be used to manage removal of other emerging contaminants and compounds that are under consideration for regulation in the future. As a result, full GAC treatment capacity will provide the Red Hill WTP with the flexibility to provide high quality drinking water under various future conditions. This project includes a building expansion to independently house sodium hypochlorite, fluoride and GAC treatment as well as piping, valves and pumping improvements necessary to incorporate these components into the existing treatment plant.

42. Scottsville Asbestos-Cement Pipeline Replacement: This project is intended to replace all remaining RWSA waterline in Scottsville that is currently constructed of asbestos-cement not included under ACSA's Phase 4 Waterline Replacement Project. The scope of the project generally includes approximately 500 linear feet of raw waterline replacement between the filter building and Totier Creek intake behind Scottsville WTP. The proposed budget includes design for the new water main, as well as bid/quote package assistance.
43. Scottsville Water Treatment Plant – GAC Building Dehumidification: Granular Activated Carbon (GAC) treatment was installed at the Scottsville Water Treatment Plant in 2018. The building constructed around the GAC vessels was not conditioned and only included unit heaters and portable dehumidifiers. As a result of the large GAC vessels in this building, the humidity levels in the area tend to promote condensation which can then lead to corrosion of the equipment and general degradation. While the portable dehumidifiers were beneficial, they tended to be unreliable and insufficient to maintain lower humidity levels in the building. As a result, the purpose of this project is to install a permanent industrial dehumidification system in the GAC building. This project would include the dehumidification units as well as the necessary ductwork, electrical improvements, and architectural modifications required for a complete installation.

Scottsville Water System

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
40	22.06	Scottsville Water Treatment Plant - Upgrade	\$1,350,000	\$4,650,000				\$696,000	\$996,000	\$4,308,000	\$6,000,000	
41	22.07 23.17	Red Hill Water Treatment Plant - Upgrades & GAC Addition	\$810,000	\$1,240,000	\$2,050,000						\$2,050,000	\$66,151
42	23.16	Scottsville AC Pipe Replacement	\$275,000	\$115,000				\$120,000	\$270,000		\$390,000	
43	23.18	Scottsville Water Treatment Plant - GAC Building Dehumidification	\$665,000	\$157,000				\$72,000	\$750,000		\$822,000	
		TOTAL	\$3,100,000	\$6,162,000	\$2,050,000	\$0	\$0	\$888,000	\$2,016,000	\$4,308,000	\$9,262,000	\$66,151

Wastewater Interceptors/Pumping Stations

The RWSA wastewater interceptors and pumping stations convey wastewater from the collection systems of the City of Charlottesville and Albemarle County Service Authority to the Moores Creek Advanced Water Resource Recovery Facility (MCAWRRF). This grouping includes: the Crozet Interceptor and four associated pumping stations; the Moores Creek Interceptor and Relief Sewer; the Morey Creek, Maury Hills, Powell Creek, Meadow Creek, Schenks Branch, Woodbrook and Rivanna Interceptors; as well as the Albemarle-Berkley Interceptor and associated Albemarle Pumping Station. Also included in this system are the two primary pump stations into the MCAWRRF, the Rivanna and Moores Creek Pump Stations.

Project Descriptions:

44. Upper Schenks Branch Interceptor: The Schenks Branch Interceptor is located in the eastern part of the City of Charlottesville and ties into the Meadowcreek Interceptor. The interceptor was constructed in the mid-1950s of 21-inch clay and concrete pipe. The existing interceptor is undersized to serve present and future wet weather flows as determined by the City, and is to be upgraded to 30-inch pipe. The Upper Schenks Branch Interceptor consists of two sections along McIntire Road. Both of these sections have been designed with the first phase of this project located in the City's Schenks Branch Greenway, completed in early 2016. The second phase of the Upper Schenks Interceptor will be replaced by RWSA in coordination with the City of Charlottesville's sewer upgrades as easement negotiations with Albemarle County are completed.
45. Maury Hill Branch Sewer Replacement: The Maury Hill Branch Sewer is an 8-inch diameter clay sewer constructed in the 1970's. It ties into the Morey Creek Interceptor and primarily collects wastewater from the UVA Fontaine Research Park and a small portion of the adjacent City of Charlottesville neighborhoods. As a result of growth at the research park and increasing wastewater flows, the sewer line will need to be upsized to 12-inch diameter ductile iron pipe to properly convey flows for current and future needs. Since the existing pipe is also a clay sewer, the system has experienced a significant amount of inflow and infiltration (I&I). Installing a new ductile iron pipe and concrete manholes will reduce the I&I in the system and have a positive impact on the capacity of downstream sewers as well. Staff continues to coordinate with UVA staff on the upcoming expansion of the Fontaine Research Park, so flows in the existing sewer can be monitored accordingly.
46. Crozet Pump Station 1, 2, and 3 Rehabilitation: The Crozet Interceptor Pump Stations were constructed in the 1980's and many of the components are original. This project initially included the replacement of pumps and valves at Pump Station 2 in order to improve pumping capabilities at this location and provide spare parts for the pumps at Pump Station 1. It also included roof replacements at all four pump stations, siding replacement for the wet well enclosure at Pump Station 3, and installation of new wells at Pump Stations 3 and 4. The pump station improvements now also include new electrical motor control centers as they are obsolete and past their useful life, generators, power transfer switches, pumps and valves at all pump stations.

47. Albemarle Berkley Pump Station Upgrade: The Albemarle-Berkeley Pump Station was constructed in 1975 and conveys flows from several Albemarle County Public Schools (ACPS) and other ACSA customers into RWSA's gravity Albemarle-Berkeley Interceptor. Recently, the pump station's run times have increased, with the pumps running nearly continuously for some periods. It is anticipated that much of the pumping infrastructure has reached or exceeded its expected lifespan, and that the equipment may be in need of replacement.

A Capacity Analysis of the existing pump station has been completed, utilizing present flow rates, area-specific population projections, and known development projects on and adjacent to the ACPS campus in order to provide pump station buildout sizing to serve the area for the next 50 years. With the Capacity Analysis complete, this Pump Station Upgrade Project will utilize consultant assistance in order to formulate a set of bidding documents that will include the construction of a new pumping station that is sized to meet the current and future flows as determined by the Capacity Analysis, along with all equipment necessary for staff to safely remove individual pumps from service for maintenance purposes or temporarily bypass the station entirely as needed. Once the new pump station has been constructed and is in service, the existing pump station will be demolished, with that portion of the site returned to pre-existing conditions. This project is also being coordinated with the ongoing ACPS Master Planning Process.

48. Interceptor Sewer and Manhole Repair - Phase 2: This project is used to conduct assessments of various interceptors as well as rehabilitation of interceptors that do not have a separate CIP project. Phase 1 of the Interceptor Sewer and Manhole Repair Project included completion of the baseline evaluation of all RWSA interceptors (except the 42/48" Upper Rivanna Interceptor & those replaced with new pipe), as well as completion of rehabilitation on the Upper Morey Creek Interceptor and high-priority rehabilitation on the Powell Creek and Woodbrook Interceptors. Planned projects for Phase 2 include completion of the baseline evaluation by performing closed-circuit television inspections of the Upper Rivanna Interceptor. In addition, the force mains on the Crozet and Albemarle-Berkely Interceptors will be inspected, as well as inverted siphons on the Powell Creek and Moores Creek Interceptors. These inspections will require specialty equipment to complete due to the vastly different flow conditions in these portions of the interceptors. Additional high-priority rehabilitation, possibly on the Maury Hills Branch Interceptor and other sewers, will be completed under this phase as funds allow, with additional rehabilitation efforts to take place under Phase 3. Sanitary sewer evaluation includes identification of inflow & infiltration (I & I), as well as structural defects and other maintenance issues to enable overall program planning and future rehabilitation scoping. Rehabilitation of existing sanitary sewer pipe and manholes reduces Inflow & Infiltration (I & I) in the system, thus reducing the chance for sanitary sewer overflows (SSOs) during high flow events and protecting downstream treatment processes.

49. Interceptor Sewer and Manhole Repair - Phase 3: This project is used to conduct assessments of various interceptors as well as rehabilitation of interceptors that do not have a separate CIP project. Phase 2 of the Interceptor Sewer and Manhole Repair Project, which is currently underway, includes completion of the baseline evaluation of all RWSA interceptors, including the 42-48" Upper Rivanna Interceptor, gravity portions of the Crozet Interceptor (downstream of Crozet Pump Station No. 4), force mains on the Crozet and Albemarle-Berkeley

Interceptors, as well as inverted siphons on the Powell Creek and Moores Creek Interceptors. Phase 3 of this project will take data from the previous two phases and utilize that to perform rehabilitation on RWSA's largest interceptors, including the Moores Creek Interceptor, Upper Rivanna Interceptor, Crozet Interceptor, and others. Rehabilitation is anticipated to include continued usage of cured in place piping (CIPP) and point replacements of pipe as necessary, as well as cementitious manhole coatings and frame and cover replacements.

50. Rivanna Pump Station Rehabilitation: On January 9, 2024, the area served by the MCAWRRF experienced heavy rain and over the course of the day, both influent pump stations to the facility saw increasing flows and water levels. The Moores Creek WWPS was able to pass the flow, while the Rivanna WWPS unfortunately experienced a series of control malfunctions that resulted in an a completely inundated wet well, dry well and stairwells. As a result, the equipment within the dry well of the pump station was damaged and needed to be replaced. This project includes refurbishment of the existing six wastewater pumps, replacement of the corresponding motors, replacement of impacted electrical system components, HVAC system modifications and improvements to the station control system to avoid similar issues from occurring again in the future.
51. Comprehensive Sewer Model and Study Updated 2030: Due to wet weather inflow and infiltration (I/I), projected growth, and infill; the RWSA interceptor system requires periodic evaluations of current and future flows. A consultant conducted flow metering and developed a system-wide computer modeling evaluation in 2006 which allowed RWSA, the City and ACSA to collectively identify system deficiencies, develop inflow and infiltration reduction goals, and project and prioritize future capital needs. The study was finalized in 2010. Subsequently, RWSA installed 12 permanent sanitary sewer flow meters to better understand the system operations. In April 2014 the City, ACSA, and RWSA entered into a Wastewater Projects Cost Allocation Agreement (Agreement) with the purpose of allocating costs for capacity-related projects. As part of that agreement, RWSA must routinely update future flow projections, and measured dry and wet weather flows, for each the City and ACSA. These projections are made through a calibrated wastewater model from flows measured in sewer pipes. To assist in this process. additional temporary flow meters will be installed to collect discrete flow data from the City and ACSA entering the RWSA system in order to update the model and evaluate I/I reduction goals and future capital project needs in accordance with the requirements of the Agreement. Data from both the temporary flow meters and the permanent flow meters will be used to determine the impacts of wet weather on the collection system as necessary for modeling and flow projection analyses. The project will also include updated population projections for the region, capacity evaluations, and the completion of flow tables for the Wastewater Projects Cost Allocation Agreement.

Urban Wastewater Interceptors/Pumping Stations

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
44	20.25	Upper Schenks Branch Interceptor	\$5,900,000	\$475,000	\$4,725,000		\$690,000	\$960,000			\$6,375,000	\$50,787
45	20.29	Maury Hill Branch Sewer Replacement	\$2,000,000	\$2,290,000				\$432,000	\$1,998,000	\$1,860,000	\$4,290,000	
46	20.30	Crozet Pump Station 1, 2, 3 Rehabilitation	\$10,900,000	\$1,450,000	\$3,205,000	\$6,975,000	\$2,170,000				\$12,350,000	\$512,267
47	20.31	Albemarle Berkley Pump Station Upgrade	\$840,000	\$246,000				\$162,000	\$876,000	\$48,000	\$1,086,000	
48	21.07	Interceptor Sewer and Manhole Repair (Phase 2)	\$1,425,000	\$67,000	\$1,090,000		\$402,000				\$1,492,000	\$268,932
49	24.02	Interceptor Sewer and Manhole Repair (Phase 3)	\$1,745,000	\$1,705,000				\$738,000	\$1,356,000	\$1,356,000	\$3,450,000	
50	25.10a	Rivanna Pump Station Rehabilitation		\$22,000,000	\$4,500,000	\$17,500,000					\$22,000,000	\$3,652,148
51	26.07	Comprehensive Sewer Model and Study Update 2030		\$564,000					\$240,000	\$324,000	\$564,000	
		TOTAL	\$22,810,000	\$28,797,000	\$13,520,000	\$24,475,000	\$3,262,000	\$2,292,000	\$4,470,000	\$3,588,000	\$51,607,000	\$4,484,134

Moores Creek Advanced Water Resource Recovery Facility

The Moores Creek Advanced Water Resource Recovery Facility (MCAWRRF) is the largest wastewater treatment facility within the RWSA system. The plant was originally constructed in 1958 and upgraded and expanded in 1981 and 1982, and currently has a rated capacity of 15 mgd. From 2009 thru 2012 the facility was again upgraded to provide enhanced nutrient removal, and increased wet weather pumping and treatment capacity. This site includes the infrastructure for the wastewater treatment process as well as the RWSA administration facilities.

Project Descriptions:

52. Moores Creek AWRRF Engineering and Administration Building: RWSA currently has its administrative headquarters in two buildings on the grounds of the Moores Creek Advanced Water Resource Recovery Facility. The two-story Administration Building was constructed in the late 1970's and houses offices, IT server space, meeting space and a full-service laboratory. The second building is a series of trailers installed between 2003-2010 that house the Engineering department. There is currently a need to house additional staff; increase office and meeting space; plan for the replacement of the trailers; increase available parking; bring the IT server workrooms to modern standards; and provide exhibit and classroom space for educational outreach. This project will provide an approximate 18,500 square feet addition to the existing administration building and refurbish the existing 12,500 square foot administration building in order to meet current and future growth needs of the Authority. This project was coordinated with the recent MCAWRRF Master Plan and expansion of the building will take place primarily in the lower parking lot adjacent to the existing building.
53. Moores Creek AWRRF Biogas Upgrades: The MCAWRRF has an existing cogeneration facility that was constructed in 2011. The purpose of the facility was to provide a beneficial purpose for using the gas produced by the digester process at the plant, and in doing so provide both process heating fluid to the digester tanks and electrical energy to the plant's electrical distribution system. Unfortunately, the existing cogeneration facility requires expensive recurring maintenance services, has proprietary equipment which further complicates servicing needs, and has had a number of operational issues that have impeded the benefit this facility was intended to provide. As a result, a Cogeneration System Analysis was performed to determine a recommended approach for proceeding with improvements to the existing facility, installation of a new cogeneration facility without the issues of the previous facility or removing the cogeneration facility altogether and providing a backup boiler. Following this analysis and the initial decision to proceed with replacement of the cogeneration facility, a State of the Industry study was performed, which found that many of the aforementioned issues are common across almost all cogeneration installations. This prompted staff to perform a wider study of the industry as a whole in which it was found that many facilities are transitioning to treating the digester gas produced and transferring the gas into local natural gas pipelines so it can be reused by residential and commercial consumers. While this is still being examined by RWSA and the City of Charlottesville, whom operates the gas utility in this area, the current project budget assumes implementation of this type of system. In addition to the gas conditioning system, this project also includes rehabilitation of the existing Methane

Sphere at MCAWRRF, in order to extend its service life in accordance with the MCAWRRF Master Plan.

As the preliminary biogas evaluation is completed and a method to beneficially reuse the gas is finalized, staff will utilize consultant assistance to design and bid a project that not only allows the chosen technology to be implemented, but also performs critical spot and coating repairs to the existing gas sphere that was constructed in the 1980s. The work will also include adjustments as appropriate to the biogas processing system.

54. Moore's Creek AWWRF Building Upfits and Gravity Thickener Improvements: This project will address the renovation needs of the current Maintenance and Operations building space requirements, improvements to the existing gravity thickener system, and installation of actuators on the secondary clarifier influent gate valves. The Moore's Creek Maintenance and Operations Department facilities are over 40 years old, no longer meeting current staffing and operational needs. In accordance with the Moore's Creek Master Plan, this project will increase and update personnel spaces such as offices, lunchrooms, labs, and locker rooms in the Maintenance, Blower, and Sludge Pumping Buildings to meet needs over an interim timeframe of approximately 15 years. Additionally, the project will construct increased oil and grease storage that will meet all current best practices for safety and address the need for additional parts storage. As part of the existing gravity thickener system, RWSA added temporary provisions to dose polymer to improve settling and thickening performance, which has proved to be effective and increased operational performance. The current polymer feed system consists of a bulk polymer tote stored on grade adjacent to the gravity thickener rapid mix and splitter structure. The current system is uncovered and manually operated with totes being moved as needed for chemical feed. This project will allow for a permanent polymer feed system with proper provisions for chemical deliveries and weather protection, including additional space for sodium hypochlorite chemical storage and feed as part of the gravity thickener odor control system. The relocation of the sodium hypochlorite storage and feed will also allocate spacing needs as part of the previously discussed operational building renovations in the existing Sludge Pumping Building. Furthermore, access points will be installed on the thickener effluent line feeding the existing sludge pumps to allow for flushing, cleaning and inspection efforts to occur. Finally, the current secondary clarifier influent gate valves are manually operated, which can be time consuming, and during a wet weather event, the clarifiers need to be placed in service as quickly and safely as possible. The use of SCADA controlled actuators would streamline the process immensely. This work includes the installation of six (6) new actuators on the influent gates of the secondary clarifiers.
55. Moore's Creek AWWRF 5kV Electrical System Upgrade: After discussions through the Moore's Creek Facilities Master Plan, it was identified that several areas of the MCAWRRF, including the Blower Building, Sludge Pumping Building, Grit Removal Building, Moore's Creek Pumping Station, and the Administration Building were all still connected to the original 5kV switchgear in the Blower Building. This equipment, including the associated cabling, switchgear, transformers, and motor control centers (MCCs), has a useful life expectancy of 20-30 years. Most of this equipment was installed around 1980. With the equipment having well exceeded its useful life expectancy at this point, safety is a concern given the large electric loads that the cabling and other equipment are handling on a day-to-day basis. Failure of the

existing 5kV infrastructure could also result in temporary outages of certain treatment processes, and repairs could take weeks to months given the lead times associated with equipment of this age. This project ultimately includes replacement of all remaining original 1980s-vintage 5kV cables, switchgear, transformers, and selected motor control centers (MCCs). All work has been coordinated with the Moores Creek Facilities Master Plan.

56. Moores Creek AWRRF Yard Piping Upgrades: The original 36-inch Rivanna Pump Station force main was constructed around 1980 and carried flow from the original 25 MGD pump station in Riverview Park. Now that the pump station has been relocated to MCAWRRF and upsized to 53 MGD, it is desirable to install a second force main based on the age of the pipe and for redundancy. This work will include construction of a second parallel 36-inch force main from the Rivanna Pump Station, across Moores Creek, and up to the headworks. A routing study will be completed prior to completion of the new Administration Building to minimize potential conflicts with future force main construction.
57. Moores Creek AWRRF Structural and Concrete Rehabilitation: This project comprises rehabilitation, repair and installation of multiple structural components throughout the MCAWRRF facility, to include concrete repairs in both the equalization basins and holding ponds, rehabilitation to the existing primary clarifiers and associated influent splitter box, installation of a bridge crane over the aeration basins for NRCY pump removal, and rehabilitation to both the digester complex and compost shed roof and drainage system.

The existing holding ponds and equalization basins were constructed in 1977 and are showing signs of degradation. With now completed condition assessment inspections and subsequent recommendations, this project includes crack repair, spalling repair, joint repair, and coating of miscellaneous metals and valves associated with these critical structures.

Inspections performed on the two existing primary clarifiers and associated influent splitter box noted several deficiencies including structural and mechanical components, concrete degradation and corrosion around pipe penetrations in need of repair or replacement, and due to advanced corrosion of metal components within the clarifiers, coatings were recommended to avoid additional deterioration. This project will provide for the rehabilitation, replacement and/ or coatings of these previously identified components within the primary clarifiers and influent splitter box.

The aeration basins located at Moores Creek are a series of chambers that each have uniquely controlled oxygen and nutrient loading conditions. Mid-way thru the basins is ten nutrient recycle (NRCY) pumps. When maintenance or replacement of these pumps are required, staff must currently hire a long boom crane, which can be costly and disruptive to operations, especially in emergency conditions. This project will provide for the permanent means to remove and reinstall existing NRCY pumps.

Moores Creek AWRRF has five digester vessels. The two smaller digesters were part of the original 1958 plant construction. The three larger digesters were part of the 1979 plant upgrades following construction of the bridge over Moores Creek and the south side of the plant. Although numerous upgrades have been constructed at the digester complex over the

last 11 years (including heating, mixing, gas compression, and roof repairs), the overall condition of the concrete and complex is reaching its useful life. This project includes addressing remaining repairs to the existing digester complex, including safety repairs, to extend the useful life approximately 10-15 years while RWSA plans, designs, and constructs a new digester complex at another location on the Moores Creek site.

Finally, in the early 1980's a large metal-framed roof was constructed to house the biosolids composting operations, which has subsequently ceased operation. The area was repurposed as a covered equipment maintenance yard, solids handling facility and material storage lock-up. The roof system is exhibiting signs of rafter deterioration and ongoing drainage and leakage issues. This project will evaluate and perform remediation needs at this facility.

58. Moores Creek AWRRF MCPS Slide Gates, Valves and Bypass & Septage Receiving Upgrades: Through separate procurements, previous inspections of the large aluminum slide gates at the influent side of the Moores Creek Pump Station have been conducted to determine the extent of repairs needed to stop them from leaking. Results of these investigations will be used to design the repair of the existing slide gates and add new gates and actuators so staff can have the flexibility to stop or divert flow to perform maintenance activities. In addition, this project will include the repair of 3 control valves within the pump station and provide permanent bypass connections so the entire pump station can be bypassed more efficiently in the future when needed. To reduce odors and address maintenance concerns at the existing north septage receiving station, the project will enclose the leachate discharge pit, provide for better containment of discharged materials, provide a new septage receiving software, and install rock traps and grinders with all associated process piping to prevent downstream blockages at the Moores Creek Pump Station.
59. Moores Creek AWRRF Blower Building Ventilation Improvements: The existing blower building at the MCAWWRF currently experiences issues related to high temperatures occurring within the building. The original building was designed for aeration blowers and a plant generator and was retrofitted to remove all this equipment and now houses upgraded blowers for the plant aeration treatment system. However, the heat generation from the newer equipment has been creating intermittent issues with high ambient temperatures causing blower equipment to fault out in warmer months due to current ventilation not being adequate. This project will look to evaluate and upgrade the ventilation system to ensure reliability for critical process operation and eliminate the excessive heat generation issues.

Moores Creek Advanced Water Resource Recovery Facility

39

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
52	20.34	Moores Creek AWWRF Engineering and Administration Building	\$20,000,000	\$7,600,000	\$9,500,000	\$9,000,000	\$9,100,000				\$27,600,000	\$577,315
53	20.40 20.67	Moores Creek AWWRF Biogas Upgrades	\$5,650,000	\$637,000	\$3,365,000		\$2,274,000	\$648,000			\$6,287,000	\$66,509
54	20.68	Moores Creek AWWRF Building Upfits and Gravity Thickener Improvements	\$5,150,000	\$6,650,000	\$4,255,000	\$7,545,000					\$11,800,000	\$314,539
55	21.18	Moores Creek AWWRF 5kV Electrical System Upgrade	\$6,200,000		\$6,200,000						\$6,200,000	\$3,744,459
56	22.10	Moores Creek AWWRF Yard Piping Upgrades	\$800,000	(\$800,000)	\$30,000	(\$30,000)					\$0	
57	20.39 20.67 22.11 22.12 24.07	Moores Creek AWWRF Structural and Concrete Rehabilitation	\$11,300,000	\$4,200,000	\$7,095,000	\$8,405,000					\$15,500,000	\$368,893
58	24.08 21.19	Moores Creek AWWRF MCPS Slide Gates, Valves, Bypass and Septage Receiving Upgrades	\$3,600,000	\$6,111,000	\$2,385,000	\$3,966,000	\$3,360,000				\$9,711,000	\$60,684
59	25.07	Moores Creek AWWRF Blower Building Ventilation Improvements	\$600,000	\$104,000	\$80,000	\$624,000					\$704,000	
		TOTAL	\$53,300,000	\$24,502,000	\$32,910,000	\$29,510,000	\$14,734,000	\$648,000	\$0	\$0	\$77,802,000	\$5,132,399

Scottsville Wastewater System

The Scottsville Wastewater System includes the influent pumping station, the Water Resource Recovery Facility (WRRF) constructed in 1983, and the historical treatment lagoon (now incorporated into the plant operation). The water resource recovery facility has a rated capacity of 0.2 mgd.

Project Descriptions:

60. Scottsville WRRF Whole Plant Generator and ATS: The current back-up power generator at the Scottsville Water Resource Recovery Facility does not power the entire plant. It serves only the facilities needed to send flow to the lagoon for storage and UV disinfection. This project will provide back-up power for the entire plant and influent pump station and will offer greater treatment flexibility and monitoring capability for the operations staff, particularly when the plant is unmanned and monitored remotely.
61. Scottsville Lagoon Outfall Rehabilitation: The Scottsville Wastewater Lagoon outfall is original to the wastewater plant from its construction. The overflow tower was recently inspected in 2021 by Bander Smith and recommended a few repairs. The concrete tower has 4 intakes, and the 4th intake is currently buried under debris. The tower is in fair condition and could use some general concrete repairs, the 4th intake is buried under material. All valves are recommended for replacement and removal of 2-3 feet of material is recommended from around the outflow tower.
62. Scottsville WRRF Polymer Feed Addition: The Scottsville WRRF Polymer Feed system has reached the end of its useful life and needs replacement. This project will focus on constructing a new polymer feed system and an enclosure to house the chemicals for the plant.
63. Scottsville WRRF Permit Modification Upgrade: Due to new VPDES permit limits, a needs assessment was performed for the Scottsville WRRF. The needs assessment confirmed what short-term improvements were required to meet these new limits as well as future improvements to account for plant age, reliability, efficiency and function. The purpose of this project is to account for the short-term improvements which include influent pump station and headworks upgrades, aeration piping rehabilitation, a new storage and chemical feed building, and flood resiliency improvements.

Scottsville Water Resource Recovery Facility

			Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
Line No.	Proj. No.	Project Description	Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
60	21.12	Scottsville WRRF Whole Plant Generator and ATS	\$520,000		\$520,000						\$520,000	\$75,765
61	23.24	Scottsville WRRF Lagoon Outfall Rehabilitation	\$300,000	\$66,000				\$36,000	\$330,000		\$366,000	
62	23.25	Scottsville WRRF Polymer Feed Addition	\$270,000	\$66,000				\$42,000	\$294,000		\$336,000	
63	26.03	Scottsville WRRF Permit Modification Upgrade		\$588,000		\$582,000	\$6,000				\$588,000	
		TOTAL	\$1,090,000	\$720,000	\$520,000	\$582,000	\$6,000	\$78,000	\$624,000	\$0	\$1,810,000	\$75,765

Glenmore Wastewater System

The 0.381-mgd water resource recovery facility, located within the Glenmore subdivision, is owned by ACSA and operated by RWSA. The facility includes an influent pumping station located immediately adjacent to the treatment facility.

Project Descriptions:

64. Glenmore WRRF - Polymer Feed Addition: The Glenmore WRRF currently has two existing automated chemical feed systems, one of which includes polymer. The polymer system is primarily used to feed polymer to the WAS as a settling aid for the sludge holding tank. The current systems are near the end of their useful life and are in need of replacement. The new polymer feed system will consist of drums or totes and chemical feed pumps to dose polymer to the WAS to improve sludge settling in the digester.
65. Glenmore WRRF - Upgrade: The Glenmore WRRF was originally constructed in 1993 and much of the original facility remains in service. As a result of the age several needs assessment for the facility were completed that identified a number of additional improvements required to maintain quality service for the Glenmore community. The most recent needs assessment included improvements to the influent pump station coarse screen, influent pump station dry well ventilation, aeration blower, aeration basin, RAS/WAS pump station, chemical feed system, flocculator paddle, UV disinfection channel, non-potable water system, emergency generator, and capital equipment replacement or rehabilitation.
66. Stone Robinson Elementary School Plant Upgrade: The Stone Robinson WRRF currently uses steel process tanks that are in need of repair. During a recent inspection there were several holes found in the tank where leakage is occurring. These holes need to be repaired for proper functionality of the tank. Other items that may be addressed are site drainage issues, the control building needs replacement, and access road repairs.

Glenmore Water Resource Recovery Facility

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
64	23.26	Glenmore WRRF Polymer Feed Addition	\$310,000	\$74,000				\$48,000	\$336,000		\$384,000	
65	24.14	Glenmore WRRF Upgrade	\$1,335,000	\$4,512,000	\$75,000	\$1,704,000	\$180,000		\$528,000	\$3,360,000	\$5,847,000	
66	26.19	Stone Robinson ES Plant Upgrade		\$486,000		\$486,000					\$486,000	
		TOTAL	\$1,645,000	\$5,072,000	\$75,000	\$2,190,000	\$180,000	\$48,000	\$864,000	\$3,360,000	\$6,717,000	\$0

All Systems

Project Descriptions:

67. Asset Management: Asset management is the practice of managing infrastructure to minimize the total cost of owning and operating assets while providing desired levels of service. By doing so, asset management ensures planned maintenance activities occur and that capital assets are replaced, repaired, or upgraded at the right time, while guaranteeing the necessary resources are available to perform these activities. When the project began, RWSA had some components of an asset management program in place (i.e. GIS and a work order system), but through the Strategic Planning process identified the need to further develop the program. To fully realize the program, a consultant was procured to assist with a four-phase implementation process. Phase one included facilitation and development of an asset management strategic plan; phase two included development and management of a pilot study where the results of the strategic plan were applied to a specific facility; phase three included procurement and implementation of software (Cityworks) to facilitate the overall program; and phase 4 includes assistance through full implementation of the complete asset management program. Once Phase 4 is complete, the final step will be to procure decision support software (DSS) in order to analyze and strategically plan the best and most fiscally responsible way to approach asset management. With phases one through three complete, RWSA is focusing its efforts on completing phase four, full asset management implementation and acquiring a DSS.
68. Security Enhancements: Water utilities are required by federal law to conduct vulnerability assessments (VA) and have emergency response plans. RWSA completed an update of its VA for the water system in collaboration with other regional partners and identified a number of security improvements that could be applied to both its water and wastewater systems. The purpose of this project will be to install security improvements at RWSA facilities, with the initial focus on an enhanced access control program. Other improvements may include: industrial strength door and window components, security gate and fencing modifications, an improved lock and key program, facility signage, additional security cameras, intrusion detection systems (IDS), additional security lighting, mass emergency notification systems, and emergency call stations/panic buttons. In addition, upgrades will be made to the entrance of MCAWRRF, to better secure the facility and vet individuals as they enter. In order to implement an access control system at Authority-owned facilities, staff has procured an Implementer that will finalize system design/requirements, procure all necessary equipment, and install the chosen system. Implementation of the access control system has been completed at the Moores Creek Advanced Water Resource Recovery Facility (MCAWRRF), Crozet Water Treatment Plant (CZWTP), Scottsville Water Treatment Plant (SVWTP), South Rivanna Water Treatment Plant (SRWTP), Red Hill Water Treatment Plant (RHWTP), Glenmore Water Resource Recovery Facility (GWRRF), Scottsville Water Resource Recovery Facility (SVWRRF) and all RWSA pump stations and dams. Implementation work only remains at Observatory Water Treatment Plant (OBWTP).
69. IT Infrastructure: There are several ongoing projects that will fall into this project category. The Authority has implemented the initial stages of creating a Disaster Recovery (DR) site. This will include over the next year everything from the hardware, software, data line redundancy configurations and the appropriate 3rd party providers of cloud storage and back-

up/retention services. It also includes the installation of proper uninterruptible power supplies (UPS). The DR site will ultimately be able to take on all Administrative and SCADA services should something happen to the Moores Creek AWWRF Data Center. There are several PLC's in the various plants that have reached end of life and will fall under this project for replacement with dual-redundant which will involve significant coordination for the major high-priority primary PLC's.

70. ACM Remediation: Based on the age of many RWSA facilities, the potential for the presence of Asbestos-Containing Materials (ACM) in various buildings has been assumed. A 2005 Workplace Assessment that evaluated the presence of ACM at the Moores Creek Advanced Water Resource Recovery Facility (MCAWRRF) was performed and then many facilities had individual assessments prior to construction projects where the ACM needed to be disposed of properly before refurbishment of the existing building or as a part of a larger demolition process. In order to confirm the presence of any ACM at all remaining RWSA facilities, an asbestos survey was completed in 2022. Based on this report, additional abatement procedures were identified for seven buildings at the MCAWRRF that had not been remediated previously and the filter building at the Scottsville Water Treatment Plant. This project includes proper removal and disposal of these ACM and refurbishment of the associated building components required as a result.
71. Climate Change Flood Resilience Enhancements: RWSA owns and operates a number of water and wastewater facilities that may be at risk of future flooding. One of the ways climate change is expected to manifest in Central Virginia is via more frequent and intense rainfall and flooding events. While RWSA facilities were generally designed to perform during 100-year flood level conditions, future flooding could result in higher water levels, requiring RWSA to implement facility improvements to ensure continued operation during such events. This project includes installation of flood mitigation measures at vulnerable assets/facilities throughout the RWSA system that are likely to be impacted by higher flood levels. Necessary improvements have been identified at six RWSA facilities. Improvements include raising electrical and control equipment to higher elevations, replacement of existing pumps with submersible style/rated pumps, raising HVAC intakes and exhausts to higher elevations, and dry floodproofing structures when feasible to minimize floodwater intrusion.
72. Radio Upgrades: The regional 800 MHz Public Safety Communication System, in which the Rivanna Water and Sewer Authority participates in to provide internal and emergency radio communication, was nearing the end of its service life. Because of technology changes (software and hardware) the Charlottesville-UVA-Albemarle County Emergency Communications Center (ECC) needed to upgrade or replace the system to keep it useable. This project planned for the upgrade or replacement of major technology components and equipment of the existing system include electronic components at all tower sites and the prime site at the ECC facility; new console equipment at the regional ECC; equipment such as tower site generators and UPS systems; an additional tower site (to improve service in southern Albemarle County); microwave backbone; and replacement of the system recording facilities. RWSA was apportioned a part of the project cost proportionately based on the number of radios. In addition to this assessment from the ECC, the Authority replaced its fleet of portable radios.

73. IT Equipment Secure Cabinets: As part of our overall Cyber Security initiatives, specifically physical security, we are in the process of making sure all of our facilities have a locked network cabinet/rack or a locked closet for all IT networking equipment. This also includes all of our remote Tanks, and Pump Stations. Currently we are over 30% complete. Any new or current capital improvement projects at all locations, we are securing the network cabinets and when appropriate, separating the network equipment in an environmentally controlled closet.
74. eV Charging Infrastructure: This project will investigate and implement eV charging infrastructure for staff and visitor vehicles as well as RWSA fleet vehicles and rolling stock. Initially charging facilities will be predominantly at Moores Creek AWRRF, where staff and visitor density is the highest. This will allow for greater utilization of the charging facilities. As the eV fleet expands, additional charging locations will be added. This project will be performed in concert with building renovations and fleet conversion to hybrid and electric vehicles.

All Systems

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
67	20.45	Asset Management	\$752,448	\$75,062	\$752,448	\$75,062					\$827,510	\$493,505
68	20.46	Security Enhancements	\$2,980,000		\$2,980,000						\$2,980,000	\$1,550,873
69	20.47	IT Infrastructure	\$485,091	\$137,891	\$485,091	\$137,891					\$622,982	
70	23.27	ACM Remediation	\$711,000	(\$111,000)				\$69,600	\$450,000	\$80,400	\$600,000	
71	24.06	Climate Change Flood Resilience	\$800,000	\$1,154,000	\$130,000	\$840,000	\$984,000				\$1,954,000	
72	25.10	Radio Upgrades	\$210,988		\$210,988						\$210,988	
73	25.08	IT Equipment Secure Cabinets	\$200,000	\$40,000		\$144,000	\$96,000				\$240,000	
74	25.09	eV Charging Infrastructure	\$135,000	(\$135,000)	\$30,000	(\$30,000)					\$0	
		TOTAL	\$6,274,527	\$1,160,953	\$4,588,527	\$1,166,953	\$1,080,000	\$69,600	\$450,000	\$80,400	\$7,435,480	\$2,044,378

APPENDICES

CIP Financial Summary

Water System Summary

Wastewater System Summary

All Systems Summary

CIP Financial Summary

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
1	20.03	Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line	\$33,500,000	\$7,260,000	\$10,190,000	\$2,660,000	\$7,975,000	\$7,975,000	\$7,975,000	\$3,985,000	\$40,760,000	\$817,711
2	20.04	Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Pump Station	\$12,350,000	\$8,380,000	\$4,240,000	\$4,390,000	\$4,835,000	\$4,835,000	\$2,430,000		\$20,730,000	\$749,495
3	20.48	South Fork Rivanna Reservoir to Ragged Mountain Pipeline, Intake & Facilities	\$75,325,000	\$36,145,000	\$7,380,000	\$14,030,000	\$23,070,000	\$22,330,000	\$22,330,000	\$22,330,000	\$111,470,000	\$2,128,306
4	23.02	South Fork Rivanna Reservoir Aeration and Ragged Mountain Reservoir HLOS Sytems	\$6,600,000	\$2,670,000				\$1,836,000	\$6,306,000	\$1,128,000	\$9,270,000	
5	23.05	Observatory Water Treatment Plant - Backwash Basin Sludge Removal and Inspection	\$300,000	\$71,000	\$35,000	\$132,000	\$204,000				\$371,000	
6	23.05	Observatory Water Treatment Plant - Backwash Basin Sludge Removal and Inspection	\$565,000	\$133,400				\$96,000	\$602,400		\$698,400	
7	23.11	South Rivanna Water Treatment Plant - Sanitary Sewer Connection	\$750,000	\$174,000			\$204,000	\$348,000	\$372,000		\$924,000	
8	23.04 23.09	Urban Water Treatment Plants - GAC Building Dehumidification	\$2,175,000	\$1,125,000				\$300,000	\$2,400,000	\$600,000	\$3,300,000	
9	22.08	South Rivanna Water Treatment Plant - Main Plant Generator Replacement	\$50,000	\$430,000					\$60,000	\$420,000	\$480,000	
10	20.18	North Rivanna Water Treatment Plant - Decommissioning	\$2,940,000	\$572,000	\$680,000		\$2,088,000	\$744,000			\$3,512,000	\$109,624

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
11	25.01	Dam Concrete and Steel Repairs	\$1,190,000	\$263,000	\$415,000	\$528,000	\$510,000				\$1,453,000	
12	24.01	South Rivanna Water Treatment Plant - PAC Upgrades	\$1,100,000	\$158,000	\$310,000	\$948,000					\$1,258,000	\$17,041
13	25.04	Buck Mountain Property Dam Remediation	\$50,000	(\$50,000)	\$50,000	(\$50,000)					\$0	
14	22.05	South Rivanna Water Treatment Plant Improvements		\$552,000						\$552,000	\$552,000	
15	22.05	South Rivanna Water Treatment Plant - Flocc Basins Improvements		\$2,400,000		\$180,000	\$1,260,000	\$960,000			\$2,400,000	
16	26.20	South Rivanna Water Treatment Plant - Permanganate Improvements		\$463,000	\$85,000	\$144,000	\$234,000				\$463,000	
17	20.10	Central Water Line	\$47,000,000	\$32,000,000	\$11,550,000	\$12,940,000	\$23,900,000	\$16,300,000	\$13,500,000	\$810,000	\$79,000,000	\$1,527,160
18	20.12	South Fork Rivanna River Crossing	\$7,300,000	(\$1,050,000)	\$5,900,000	\$350,000					\$6,250,000	\$340,227
19	20.50	Avon, Pantops and Observatory Tank Painting	\$3,945,000	\$2,175,000			\$468,000	\$2,418,000	\$1,812,000	\$1,422,000	\$6,120,000	
20	20.58	Second North Rivanna River Crossing and Select Pipe Replacement	\$650,000	\$2,870,800				\$42,000	\$760,800	\$2,718,000	\$3,520,800	

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
21	23.06	Emmet Street Betterment	\$9,235,000	(\$1,835,000)	\$4,515,000		\$885,000	\$2,000,000	\$0	\$0	\$7,400,000	\$1,228,063
22	24.09	Berkmar Drive Ext. Waterline - Phase 2	\$1,440,000	\$316,000	\$220,000		\$792,000	\$744,000			\$1,756,000	
23	24.12	Urban Storage Evaluation and Tank(s) Addition	\$2,980,000	\$1,700,000		\$72,000	\$366,000	\$648,000	\$2,520,000	\$1,074,000	\$4,680,000	
24	24.13	SCADA Panel Relocations	\$46,000	\$201,200					\$55,200	\$192,000	\$247,200	
25	20.52	Stillhouse, Lewis Mtn and Woodburn Rd Tank Painting	\$0	\$264,000						\$264,000	\$264,000	
26	24.05	Airport Road PS - Pump and VFD Upgrade	\$0	\$566,400			\$58,800	\$507,600			\$566,400	
27	26.06	Airport Road Tank No. 1	\$0	\$5,268,000			\$402,000	\$2,952,000	\$1,914,000		\$5,268,000	
28	26.11	Finished Water Master Plan Update 2030	\$0	\$290,000					\$15,000	\$275,000	\$290,000	
29	26.17	Urban Area Water Demand and Safe Yield Analysis 2030	\$0	\$240,000					\$240,000		\$240,000	
30	20.19	Beaver Creek Dam Alteration	\$23,700,000	\$4,460,000	\$3,975,000	\$2,020,000	\$8,625,000	\$6,765,000	\$4,515,000	\$2,260,000	\$28,160,000	\$1,126,133

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
31	20.20 21.15	Beaver Creek New Raw Water Pump Station & Intake	\$23,400,000	\$9,620,000	\$4,150,000	\$2,000,000	\$11,920,000	\$11,920,000	\$3,030,000		\$33,020,000	\$803,862
32	21.01	Buck's Elbow Tank and Waterball Painting	\$1,700,000	\$293,000	\$85,000		\$150,000	\$1,260,000	\$498,000		\$1,993,000	
33	23.10	Crozet Water Treatment Plant - GAC Building Dehumidification	\$665,000	\$157,000				\$72,000	\$750,000		\$822,000	
34	23.13	Crozet AC Pipe Replacement	\$1,175,000	\$2,581,000				\$576,000	\$900,000	\$2,280,000	\$3,756,000	
35	23.14	Crozet Water Treatment Plant - Full GAC Treatment	\$6,550,000	\$3,570,000	\$1,450,000	\$4,895,000	\$3,775,000				\$10,120,000	\$100,143
36	23.30	Crozet Finished Water Greyrock Pump Station	\$1,585,000	\$1,073,000				\$228,000	\$1,728,000	\$702,000	\$2,658,000	
37	20.55	Crozet Ground Tank Painting	\$25,000	\$557,000					\$44,400	\$537,600	\$582,000	
38	26.01	Crozet Water Treatment Plant - Disinfection Upgrades		\$840,000		\$600,000	\$240,000				\$840,000	
39	26.09	Crozet Drinking Water Infrastructure Plan Update 2025		\$450,000		\$235,000	\$215,000				\$450,000	
40	22.06	Scottsville Water Treatment Plant - Upgrade	\$1,350,000	\$4,650,000				\$696,000	\$996,000	\$4,308,000	\$6,000,000	

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
41	22.07 23.17	Red Hill Water Treatment Plant - Upgrades & GAC Addition	\$810,000	\$1,240,000	\$2,050,000						\$2,050,000	\$66,151
42	23.16	Scottsville AC Pipe Replacement	\$275,000	\$115,000				\$120,000	\$270,000		\$390,000	
43	23.18	Scottsville Water Treatment Plant - GAC Building Dehumidification	\$665,000	\$157,000				\$72,000	\$750,000		\$822,000	
44	20.25	Upper Schenks Branch Interceptor	\$5,900,000	\$475,000	\$4,725,000		\$690,000	\$960,000			\$6,375,000	\$50,787
45	20.29	Maury Hill Branch Sewer Replacement	\$2,000,000	\$2,290,000				\$432,000	\$1,998,000	\$1,860,000	\$4,290,000	
46	20.30	Crozet Pump Station 1, 2, 3 Rehabilitation	\$10,900,000	\$1,450,000	\$3,205,000	\$6,975,000	\$2,170,000				\$12,350,000	\$512,267
47	20.31	Albemarle Berkley Pump Station Upgrade	\$840,000	\$246,000				\$162,000	\$876,000	\$48,000	\$1,086,000	
48	21.07	Interceptor Sewer and Manhole Repair (Phase 2)	\$1,425,000	\$67,000	\$1,090,000		\$402,000				\$1,492,000	\$268,932
49	24.02	Interceptor Sewer and Manhole Repair (Phase 3)	\$1,745,000	\$1,705,000				\$738,000	\$1,356,000	\$1,356,000	\$3,450,000	
50	25.10a	Rivanna Pump Station Rehabilitation		\$22,000,000	\$4,500,000	\$17,500,000					\$22,000,000	\$3,652,148

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
51	26.07	Comprehensive Sewer Model and Study Update 2030		\$564,000					\$240,000	\$324,000	\$564,000	
52	20.34	Moore's Creek AWWRF Engineering and Administration Building	\$20,000,000	\$7,600,000	\$9,500,000	\$9,000,000	\$9,100,000				\$27,600,000	\$577,315
53	20.67	Moore's Creek AWWRF Biogas Upgrades	\$5,650,000	\$637,000	\$3,365,000		\$2,274,000	\$648,000			\$6,287,000	\$66,509
54	20.68	Moore's Creek AWWRF Building Upfits and Gravity Thickener Improvements	\$5,150,000	\$6,650,000	\$4,255,000	\$7,545,000					\$11,800,000	\$314,539
55	21.18	Moore's Creek AWWRF 5kV Electrical System Upgrade	\$6,200,000		\$6,200,000						\$6,200,000	\$3,744,459
56	22.10	Moore's Creek AWWRF Yard Piping Upgrades	\$800,000	(\$800,000)	\$30,000	(\$30,000)						
57	22.12	Moore's Creek AWWRF Structural and Concrete Rehabilitation	\$11,300,000	\$4,200,000	\$7,095,000	\$8,405,000					\$15,500,000	\$368,893
58	24.08	Moore's Creek AWWRF MCPS Slide Gates, Valves, Bypass and Septage Receiving Upgrades	\$3,600,000	\$6,111,000	\$2,385,000	\$3,966,000	\$3,360,000				\$9,711,000	\$60,684
59	25.07	Moore's Creek AWWRF Blower Building Ventilation Improvements	\$600,000	\$104,000	\$80,000	\$624,000					\$704,000	
60	21.12	Scottsville WRRF Whole Plant Generator and ATS	\$520,000		\$520,000						\$520,000	\$75,765

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
61	23.24	Scottsville WRRF Lagoon Outfall Rehabilitation	\$300,000	\$66,000				\$36,000	\$330,000		\$366,000	
62	23.25	Scottsville WRRF Polymer Feed Addition	\$270,000	\$66,000				\$42,000	\$294,000		\$336,000	
63	26.03	Scottsville WRRF Permit Modification Upgrade		\$588,000		\$582,000	\$6,000				\$588,000	
64	20.42	Glenmore WRRF Polymer Feed Addition	\$310,000	\$74,000				\$48,000	\$336,000		\$384,000	
65	24.14	Glenmore WRRF Upgrade	\$1,335,000	\$4,512,000	\$75,000	\$1,704,000	\$180,000		\$528,000	\$3,360,000	\$5,847,000	
66	26.19	Stone Robinson ES Plant Upgrade		\$486,000		\$486,000					\$486,000	
67	20.45	Asset Management	\$752,448	\$75,062	\$752,448	\$75,062					\$827,510	\$493,505
68	20.46	Security Enhancements	\$2,980,000		\$2,980,000						\$2,980,000	\$1,550,873
69	20.47	IT Infrastructure	\$485,091	\$137,891	\$485,091	\$137,891					\$622,982	
70	23.27	ACM Remediation	\$711,000	(\$111,000)				\$69,600	\$450,000	\$80,400	\$600,000	

CIP Financial Summary

(Continued)

Line No.	Proj. No.	Project Description	Five-Year Capital Program			Projected Future Expenses by Year					Recommended CIP	Work-in-Progress (Prev. Expenses 6/30/2024)
			Current CIP Adopted 5/2024	Proposed Changes	Current Capital Budget	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		
71	24.06	Climate Change Flood Resilience	\$800,000	\$1,154,000	\$130,000	\$840,000	\$984,000				\$1,954,000	
72	25.10	Radio Upgrades	\$210,988		\$210,988						\$210,988	
73	25.08	IT Equipment Secure Cabinets	\$200,000	\$40,000		\$144,000	\$96,000				\$240,000	
74	25.09	eV Charging Infrastructure	\$135,000	(\$135,000)	\$30,000	(\$30,000)						
Total			\$356,510,527	\$193,767,753	\$108,893,527	\$103,997,953	\$111,438,800	\$89,880,200	\$83,181,800	\$52,886,000	\$550,278,280	\$20,750,592

Water System Summary

	Summary			Projected Future Expenses by Year						
Urban Water System	Current CIP	Changes	Current Capital Budget	FY26	FY27	FY28	FY29	FY30	Recommended CIP	Work-in -Progress
PROJECT COSTS										
Community Water Supply Plan	\$ 127,775,000	\$ 54,455,000	\$ 21,810,000	\$ 21,080,000	\$ 35,880,000	\$ 36,976,000	\$ 39,041,000	\$ 27,443,000	\$ 182,230,000	\$ 3,695,500
Urban Water Treatment and Reservoir	9,120,000	6,291,400	1,575,000	1,882,000	4,500,000	2,448,000	3,434,400	1,572,000	15,411,400	126,700
Finished Water Storage/Distribution - Urban System	72,596,000	43,006,400	22,185,000	13,362,000	26,871,800	25,611,600	20,817,000	6,755,000	115,602,400	3,095,450
Total Projects Urban Water Systems	\$ 209,491,000	\$ 103,752,800	\$ 45,570,000	\$ 36,324,000	\$ 67,251,800	\$ 65,035,600	\$ 63,292,400	\$ 35,770,000	\$ 313,243,800	\$ 6,917,650
FUNDING SOURCES URBAN SYSTEM - TO DATE										
Work-in-Progress			\$ 6,917,627	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,917,627	
Debt Proceeds - 2018 & 2021Bond			34,579,000	-	-	-	-	-	34,579,000	
Capital Funds Available			-	-	-	-	-	-	-	
SUBTOTAL			41,496,627	-	-	-	-	-	41,496,627	
FUNDING SOURCES URBAN SYSTEM - NEEDS										
Future Cash reserve transfer to Capital Fund				\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 4,000,000	
Grants				\$ 2,000,000	\$ 910,000	\$ -	\$ -		2,910,000	
New Debt Needed			4,073,373	33,324,000	65,341,800	64,035,600	62,792,400	35,270,000	264,837,173	
SUBTOTAL			4,073,373	36,324,000	67,251,800	65,035,600	63,292,400	35,770,000	271,747,173	
TOTAL URBAN WATER FUNDING			\$ 45,570,000	\$ 36,324,000	\$ 67,251,800	\$ 65,035,600	\$ 63,292,400	\$ 35,770,000	\$ 313,243,800	
									\$313,243,800	
Estimated Bond Issues					\$102,739,173		\$162,098,000		\$264,837,173	

	Summary			Projected Future Expenses by Year						
Non-Urban Water System	Current CIP	Proposed Changes	Current Capital Budget	FY26	FY27	FY28	FY29	FY30	Recommended CIP	Work-in -Progress
PROJECT COSTS										
Crozet Water System	\$ 58,800,000	\$ 23,601,000	\$ 9,660,000	\$ 9,750,000	\$ 24,925,000	\$ 20,821,000	\$ 11,465,400	\$ 5,779,600	\$ 82,401,000	\$ 2,030,100
Scottsville Water System	3,100,000	6,162,000	2,050,000	-	-	888,000	2,016,000	4,308,000	9,262,000	66,150
Total Rural Water Systems	\$ 61,900,000	\$ 29,763,000	\$ 11,710,000	\$ 9,750,000	\$ 24,925,000	\$ 21,709,000	\$ 13,481,400	\$ 10,087,600	\$ 91,663,000	\$ 2,096,250
Non-URBAN FUNDING SOURCES										
Work in Progress			\$ 2,096,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,096,289	
Grants				4,241,500	10,817,450	9,966,794	2,740,256		27,766,000	
Capital Funds Available			-						-	
Debt Proceeds - 2018 & 2021Bond			-	-	-	-	-	-	-	
Future Cash reserve transfer to Capital Fund			-	450,000	250,000	100,000	-	-	800,000	
New Debt Needed			9,613,711	5,058,500	13,857,550	11,642,206	10,741,144	10,087,600	61,000,711	
TOTAL NON-URBAN WATER FUNDING			\$ 11,710,000	\$ 9,750,000	\$ 24,925,000	\$ 21,709,000	\$ 13,481,400	\$ 10,087,600	\$ 91,663,000	
Estimated Bond Issues				\$ 28,529,800			32,471,000		\$ 61,000,800	

Wastewater System Summary

	Summary		Projected Future Expenses by Year							
Urban Wastewater System	Current CIP	Changes	Current Capital Budget	FY26	FY27	FY28	FY29	FY30	Recommended CIP	Work-in - Progress
PROJECT COSTS										
Wastewater Interceptor/Pumping Stations	\$ 22,810,000	\$ 28,797,000	\$ 13,520,000	\$ 24,475,000	\$ 3,262,000	\$ 2,292,000	\$ 4,470,000	\$ 3,588,000	\$ 51,607,000	\$ 4,484,100
Moores Creek WWTP	53,300,000	24,502,000	32,910,000	29,510,000	14,734,000	648,000	-	-	77,802,000	5,132,400
Total Urban Wastewater Systems	\$ 76,110,000	\$ 53,299,000	\$46,430,000	\$53,985,000	\$17,996,000	\$2,940,000	\$4,470,000	\$3,588,000	\$129,409,000	\$9,616,500
FUNDING SOURCES URBAN SYSTEM - IN PLACE										
Work-in-Progress			\$ 9,616,533	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,616,533	
Debt Proceeds - 2018 & 2021Bond			29,813,467	28,846,533	-	-	-	-	58,660,000	
Capital Funds Available			1,000,000	-	-	-	-	-	1,000,000	
SUBTOTAL			40,430,000	28,846,533	-	-	-	-	69,276,533	
FUNDING SOURCES URBAN SYSTEM - NEEDS										
Future Cash Reserves			\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000	
Insurance Proceeds			\$ 6,000,000	\$ 4,000,000					10,000,000	
New Debt Needed			-	20,138,467	16,996,000	1,940,000	3,470,000	2,588,000	45,132,467	
SUBTOTAL			6,000,000	\$25,138,467	17,996,000	2,940,000	4,470,000	3,588,000	60,132,467	
TOTAL URBAN WASTEWATER FUNDING			\$ 46,430,000	\$ 53,985,000	\$ 17,996,000	\$ 2,940,000	\$ 4,470,000	\$ 3,588,000	\$ 129,409,000	
Estimated Bond Issues					\$ 37,134,500		\$ 7,998,000		\$ 45,132,500	

	Summary		Projected Future Expenses by Year							
Non-Urban Wastewater System	Current CIP	Proposed Changes	Current Capital Budget	FY26	FY27	FY28	FY29	FY30	Recommended CIP	Work-in - Progress
PROJECT COSTS										
Glenmore WWTP	\$ 1,645,000	\$ 5,072,000	\$ 75,000	\$ 2,190,000	\$ 180,000	\$ 48,000	\$ 864,000	\$ 3,360,000	\$ 6,717,000	\$ -
Scottsville WWTP	1,090,000	720,000	520,000	582,000	6,000	78,000	624,000	-	1,810,000	75,800
Total Rural Wastewater Systems	\$2,735,000	\$5,792,000	\$ 595,000	\$ 2,772,000	\$ 186,000	\$ 126,000	\$ 1,488,000	\$ 3,360,000	\$ 8,527,000	\$ 75,800
FUNDING SOURCES RURAL SYSTEM - NEEDS										
Work in Progress			\$ 75,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,765	
Debt Proceeds - 2018 & 2021Bond			\$ -	\$ -					-	
Future Cash Reserve			-	-	-	-			-	
New Debt Needed			519,235	2,772,000	186,000	126,000	1,488,000	3,360,000	8,451,235	
TOTAL RURAL WASTEWATER FUNDING			\$ 595,000	\$ 2,772,000	\$ 186,000	\$ 126,000	\$ 1,488,000	\$ 3,360,000	\$ 8,527,000	
Estimated Bond Issues					\$ 3,603,235		\$ 4,848,000		\$ 8,451,235	

All Systems Summary

Shared Projects - All Rate Centers	Summary		Current Capital Budget	Projected Future Expenses by Year					Recommended CIP	Work-in - Progress
	Current CIP	Changes		FY26	FY27	FY28	FY29	FY30		
<u>PROJECT COSTS</u>										
Authority Wide Projects	\$ 6,274,527	\$ 1,160,953	\$ 4,588,527	\$ 1,166,953	\$ 1,080,000	\$ 69,600	\$ 450,000	\$ 80,400	\$ 7,435,481	\$1,229,368
Total Projects Urban Water Systems	\$ 6,274,527	\$ 1,160,953	\$ 4,588,527	\$ 1,166,953	\$ 1,080,000	\$ 69,600	\$ 450,000	\$ 80,400	\$ 7,435,481	\$1,229,368
<u>FUNDING SOURCES</u>										
Work in Progress			\$ 2,044,378						\$ 2,044,378	\$2,044,400
Possible Future Reserves			\$ 2,000,000		\$0			\$0	\$ 2,000,000	
New Debt Needed			\$ 544,149	\$ 1,166,953	\$ 1,080,000	\$ 69,600	\$ 450,000	\$ 80,400	\$ 3,391,103	
									-	
TOTAL URBAN WATER FUNDING			\$ 4,588,527	\$ 1,166,953	\$ 1,080,000	\$ 69,600	\$ 450,000	\$ 80,400	\$ 7,435,481	
Estimated Bond Issues					\$3,391,103					

Summary Information

	2026 - 2030 Draft CIP	2025 - 2029 Adopted CIP	<u>Change \$</u>
<u>Project Cost</u>			
Urban Water Projects	\$ 313,243,800	\$ 223,391,000	\$ 89,852,800
Urban Wastewater Projects	129,409,000	76,585,000	52,824,000
Non-Urban Projects & Shared	107,625,481	71,024,400	36,601,081
Total Project Cost Estimates	<u>\$ 550,278,281</u>	<u>\$ 371,000,400</u>	<u>\$ 179,277,881</u>
<u>Funding in place</u>			
Work-in-Progress (paid for)	\$ 20,750,592	\$ 14,362,040	6,388,552
Debt Proceeds Available	93,239,000	9,353,800	83,885,200
Cash-Capital Available	1,000,000	1,300,000	(300,000)
	<u>\$ 114,989,592</u>	<u>\$ 25,015,840</u>	<u>\$ 89,973,752</u>
<u>Financing Needs</u>			
Possible Future Reserves	\$ 11,800,000	\$ 12,800,000	(1,000,000)
Grants	40,676,000	24,917,500	15,758,500
New Debt	382,812,689	308,267,060	74,545,629
	<u>\$ 435,288,689</u>	<u>\$ 345,984,560</u>	<u>\$ 89,304,129</u>
Total Funding	<u>\$ 550,278,281</u>	<u>\$ 371,000,400</u>	<u>\$ 179,277,881</u>
Percentage of funding in place	20.9%	6.7%	
Ratio of debt to expense	90.3%	89.5%	
Ratio of grant to expense	7.4%	6.7%	
Ratio of cash to expense	2.3%	3.8%	

Summary Information

Detail by Major Systems	<u>Total CIP</u>	<u>Urban Water Projects</u>	<u>Urban Wastewater Projects</u>	<u>Shared Projects</u>	<u>Water Non-Urban Projects</u>	<u>Wastewater Non-Urban Projects</u>
<u>Project Cost</u>						
Urban Water Projects	\$ 313,243,800	\$ 313,243,800	\$ -	\$ -	\$ -	\$ -
Urban Wastewater Projects	129,409,000	-	129,409,000	-	-	-
Non-Urban Projects & Shared	107,625,481	-	-	7,435,481	91,663,000	8,527,000
Total Project Cost Estimates	\$ 550,278,281	\$ 313,243,800	\$ 129,409,000	\$ 7,435,481	\$ 91,663,000	\$ 8,527,000
<u>Funding in place</u>						
Work-in-Progress (paid for)	\$ 20,750,592	\$ 6,917,627	\$ 9,616,533	\$ 2,044,378	\$ 2,096,289	\$ 75,765
Debt Proceeds available	93,239,000	34,579,000	58,660,000	-	-	-
Cash-Capital Available	1,000,000	-	1,000,000	-	-	-
Subtotal	\$ 114,989,592	\$ 41,496,627	\$ 69,276,533	\$ 2,044,378	\$ 2,096,289	\$ 75,765
<u>Financing Needs</u>						
Possible Future Reserves	\$ 11,800,000	4,000,000	5,000,000	2,000,000	800,000	-
Grants	40,676,000	2,910,000	10,000,000	-	27,766,000	-
New Debt	382,812,689	264,837,173	45,132,467	3,391,103	61,000,711	8,451,235
Subtotal	\$ 435,288,689	\$ 271,747,173	\$ 60,132,467	\$ 5,391,103	\$ 89,566,711	\$ 8,451,235
Total Funding	\$ 550,278,281	\$ 313,243,800	\$ 129,409,000	\$ 7,435,481	\$ 91,663,000	\$ 8,527,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Percentage of funding in place	20.9%	13.2%	53.5%	27.5%	2.3%	0.9%
Ratio of debt to expense	90.3%	95.6%	80.2%	45.6%	66.5%	99.1%
Ratio of cash to expense	2.3%	1.3%	4.6%	26.9%	0.9%	0.0%

Summary Information

	<u>Urban Water</u>	<u>Urban Wastewater</u>	<u>Non-Urban</u>	<u>Shared</u>	<u>Total</u>	<u>Current Adopted</u>
Adopted CIP 2025 - 2029	\$ 223,391,000	\$ 76,585,000	\$ 64,635,000	\$ 6,389,400	\$ 371,000,400	
Completed or closed projects	13,900,000	475,000	-	114,909	14,489,909	
Adopted - Adjusted	209,491,000	76,110,000	64,635,000	6,274,491	356,510,491	
<u>Changes:</u>						
Rollover for FY 2030 (roughly)	16,104,000	5,065,000	9,745,000	939,000	31,853,000	
Adjustments on existing projects or new projects	87,648,800	48,234,000	25,810,000	221,990	161,914,790	
Total Changes	103,752,800	53,299,000	35,555,000	1,160,990	193,767,790	
Total Proposed CIP 2026 - 2030	\$ 313,243,800	\$ 129,409,000	\$ 100,190,000	\$ 7,435,481	\$ 550,278,281	371,000,400
Years 6 - 10 (FY 2031-35)					\$ 96,121,000	104,093,000
Years 11 - 15 (FY 2036-40)					\$ 185,060,000	107,318,000
TOTAL 15 YEAR CIP					\$ 831,459,281	\$ 582,411,400
						14,489,909 Completed
						\$ 596,901,309 Net CIP

Summary Information

Draft 2

		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035
City of Charlottesville Charges													
Urban Water													
Operating Rate	Per 1000 gal.	\$ 2,949	\$ 3,363	\$ 3,642	\$ 4,006	\$ 4,407	\$ 4,848	\$ 5,332	\$ 5,652	\$ 5,991	\$ 6,351	\$ 6,732	\$ 7,136
	% Change	11.2%	11.2%	8.30%	10.0%	10.0%	10.0%	10.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Debt Service Charge	Per month	307,200	376,226	463,676	560,031	655,876	751,499	829,366					
		23.1%	23.1%	23.2%	20.8%	17.1%	14.6%	10.4%					
Revenue Requirements:				6.11%									
Operating Rate Revenue	Annual	\$ 4,810,300	\$ 5,598,400	\$ 5,940,600	\$ 6,534,660	\$ 7,188,126	\$ 7,906,939	\$ 8,697,632	\$ 9,219,490	\$ 9,772,660	\$ 10,359,019	\$ 10,980,561	\$ 11,639,394
Debt Service Revenues	Annual	3,686,400	4,514,700	5,564,100	6,720,372	7,870,507	9,017,993	9,952,397	-	-	-	-	-
Total		\$ 8,496,700	\$ 10,113,100	\$ 11,504,700	\$ 13,255,032	\$ 15,058,633	\$ 16,924,932	\$ 18,650,029	\$ 9,219,490	\$ 9,772,660	\$ 10,359,019	\$ 10,980,561	\$ 11,639,394
	\$ Change		\$ 1,616,400	\$ 1,391,600	\$ 1,750,332	\$ 1,803,601	\$ 1,866,299	\$ 1,725,098	\$ 521,858	\$ 553,169	\$ 586,360	\$ 621,541	\$ 658,834
	% Change		19.0%	13.8%	15.2%	13.6%	12.4%	10.2%					
Urban Wastewater													
Operating Rate	Per 1000 gal.	2.922	3.247	3.719	4.091	4.500	4.950	5.445	5.772	6.118	6.485	6.874	7.287
	% Change	9.7%	9.7%	14.54%	10.0%	10.0%	10.0%	10.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Debt Service Charge	Per month	394,890	424,222	466,000	493,212	520,212	549,982	570,792					
		2.7%	2.7%	9.8%	5.8%	5.5%	5.7%	3.8%					
Revenue Requirements:				12.13%									
Operating Rate Revenue	Annual	\$ 4,557,800	\$ 5,173,500	\$ 5,801,000	\$ 6,381,100	\$ 7,019,210	\$ 7,721,131	\$ 8,493,244	\$ 9,002,839	\$ 9,543,009	\$ 10,115,590	\$ 10,722,525	\$ 11,365,876
Debt Service Revenues	Annual	4,738,800	5,090,800	5,592,100	5,918,549	6,242,549	6,599,789	6,849,509	-	-	-	-	-
Total		\$ 9,296,600	\$ 10,264,300	\$ 11,393,100	\$ 12,299,649	\$ 13,261,759	\$ 14,320,920	\$ 15,342,753	\$ 9,002,839	\$ 9,543,009	\$ 10,115,590	\$ 10,722,525	\$ 11,365,876
	\$ Change		\$ 967,700	\$ 1,128,800	\$ 906,549	\$ 962,110	\$ 1,059,161	\$ 1,021,833	\$ 509,595	\$ 540,170	\$ 572,581	\$ 606,935	\$ 643,351
	% Change		10.4%	11.0%	8.0%	7.8%	8.0%	7.1%					
Total all Rate Centers													
Operating Rate Revenue		\$ 9,368,100	\$ 10,771,900	\$ 11,741,600	\$ 12,915,760	\$ 14,207,336	\$ 15,628,070	\$ 17,190,877	\$ 18,222,329	\$ 19,315,669	\$ 20,474,609	\$ 21,703,086	\$ 23,005,271
Debt Service Revenues		8,425,200	9,605,500	11,156,200	12,638,921	14,113,056	15,617,782	16,801,906	16,801,906	16,801,906	16,801,906	16,801,906	16,801,906
Total City All Revenues		\$ 17,793,300	\$ 20,377,400	\$ 22,897,800	\$ 25,554,681	\$ 28,320,392	\$ 31,245,852	\$ 33,992,783	\$ 35,024,235	\$ 36,117,575	\$ 37,276,515	\$ 38,504,992	\$ 39,807,177
	\$ Change		\$ 2,584,100	\$ 2,520,400	\$ 2,656,881	\$ 2,765,711	\$ 2,925,460	\$ 2,746,931	\$ 1,031,453	\$ 1,093,340	\$ 1,158,940	\$ 1,228,477	\$ 1,302,185
	% Change		14.5%	12.4%	11.6%	10.8%	10.3%	8.8%					
10-Year CIP Debt Service													
Total Estimated Charge		\$ 17,793,300	\$ 20,377,400	\$ 22,897,800	\$ 25,656,221	\$ 28,672,168	\$ 31,997,772	\$ 35,275,205	(218,874)	(260,993)	270,737	511,349	852,812
	% Change		14.5%	12.4%	12.0%	11.8%	11.6%	10.2%	1.063,548	802,555	1,073,292	1,584,641	2,437,452
									\$ 36,087,783	\$ 36,920,130	\$ 38,349,807	\$ 40,089,632	\$ 42,244,629
									2.3%	2.3%	3.9%	4.5%	5.4%
Additional Annual Revenues													
				\$ 2,520,400	\$ 2,758,421	\$ 3,015,947	\$ 3,325,604	\$ 3,277,433	\$ 812,578	\$ 832,347	\$ 1,429,677	\$ 1,739,826	\$ 2,154,997
				12.4%	12.0%	11.8%	11.6%	10.2%	2.3%	2.3%	3.9%	4.5%	5.4%

Summary Information

		FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035
ACSA Charges													
Urban Water													
Operating Rate	Per 1000 gal.	2.949	3.363	3.642	4.006	4.407	4.848	5.332	5.652	5.991	6.351	6.732	7.136
	% Change	11.2%	11.2%	8.3%	10.0%	10.0%	10.0%	10.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Debt Service Charge	Per month	\$ 542,282	\$ 673,264	847,462	1,029,724	1,212,223	1,394,089	1,544,559					
		22.6%	22.6%	25.9%	21.5%	17.7%	15.0%	10.8%					
Revenue Requirements:				10.45%	10.00%	10.00%	10.00%	10.00%					
Operating Rate Revenue	Annual	\$ 5,211,100	\$ 5,826,900	\$ 6,435,700	\$ 7,079,270	\$ 7,787,197	\$ 8,565,917	\$ 9,422,508	\$ 9,987,859	\$ 10,587,130	\$ 11,222,358	\$ 11,895,700	\$ 12,609,442
Debt Service Revenues	Annual	6,507,400	8,079,200	10,169,500	12,356,686	14,546,679	16,729,071	18,534,705	-	-	-	-	-
Total		\$ 11,718,500	\$ 13,906,100	\$ 16,605,200	\$ 19,435,956	\$ 22,333,876	\$ 25,294,988	\$ 27,957,213	\$ 9,987,859	\$ 10,587,130	\$ 11,222,358	\$ 11,895,700	\$ 12,609,442
	\$ Change		\$ 2,187,600	\$ 2,699,100	\$ 2,830,756	\$ 2,897,920	\$ 2,961,112	\$ 2,662,226	\$ 565,351	\$ 599,272	\$ 635,228	\$ 673,341	\$ 713,742
	% Change		\$ 0	19.4%	17.0%	14.9%	13.3%	10.5%					
Urban Wastewater													
Operating Rate	Per 1000 gal.	2.922	3.247	3.719	4.091	4.500	4.950	5.445	5.772	6.118	6.485	6.874	7.287
	% Change	9.7%	9.7%	14.5%	10.0%	10.0%	10.0%	10.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Debt Service Charge	Per month	\$ 383,403	\$ 422,158	529,679	572,712	615,172	657,632	700,092					
		0.0%	0.0%	25.5%	8.1%	7.4%	6.9%	6.5%					
Revenue Requirements:				16.73%	10.00%	10.00%	10.00%	10.00%					
Operating Rate Revenue	Annual	\$ 5,350,500	\$ 5,834,000	\$ 6,809,900	\$ 7,490,890	\$ 8,239,979	\$ 9,063,977	\$ 9,970,375	\$ 10,568,597	\$ 11,202,713	\$ 11,874,876	\$ 12,587,368	\$ 13,342,610
Debt Service Revenues	Annual	4,600,800	5,065,900	6,356,100	6,872,547	7,382,067	7,891,587	8,401,107	-	-	-	-	-
Total		\$ 9,951,300	\$ 10,899,900	\$ 13,166,000	\$ 14,363,437	\$ 15,622,046	\$ 16,955,564	\$ 18,371,482	\$ 10,568,597	\$ 11,202,713	\$ 11,874,876	\$ 12,587,368	\$ 13,342,610
	\$ Change		\$ 948,600	\$ 2,266,100	\$ 1,197,437	\$ 1,258,609	\$ 1,333,518	\$ 1,415,918	\$ 598,222	\$ 634,116	\$ 672,163	\$ 712,493	\$ 755,242
	% Change		9.5%	20.8%	9.1%	8.8%	8.5%	8.4%					
Non-Urban Rate Centers													
Operating Rate Revenue	Annual	\$ 2,797,300	\$ 3,101,200	3,578,700	3,936,570	4,330,227	4,763,250	5,239,575	5,553,949	5,887,186	6,240,417	6,614,842	7,011,733
Debt Service Revenues	Annual	2,585,800	2,862,100	3,608,500	4,361,040	5,113,580	5,866,120	6,618,660	-				
Total		\$ 5,383,100	\$ 5,963,300	\$ 7,187,200	\$ 8,297,610	\$ 9,443,807	\$ 10,629,370	\$ 11,858,235	\$ 5,553,949	\$ 5,887,186	\$ 6,240,417	\$ 6,614,842	\$ 7,011,733
		\$ 580,200	\$ 580,200	\$ 1,223,900	\$ 1,110,410	\$ 1,146,197	\$ 1,185,563	\$ 1,228,865	\$ 314,374	\$ 333,237	\$ 353,231	\$ 374,425	\$ 396,891
		10.8%	10.8%	20.5%	15.4%	13.8%	12.6%	11.6%					
Total all Rate Centers													
Operating Rate Revenue		\$ 13,358,900	\$ 14,762,100	\$ 16,824,300	\$ 18,506,730	\$ 20,357,403	\$ 22,393,143	\$ 24,632,458	\$ 26,110,405	\$ 27,677,029	\$ 29,337,651	\$ 31,097,910	\$ 32,963,785
Debt Service Revenues		13,694,000	16,007,200	20,134,100	23,590,273	27,042,326	30,486,778	33,554,472	33,554,472	33,554,472	33,554,472	33,554,472	33,554,472
Total ACSA All Revenues		\$ 27,052,900	\$ 30,769,300	\$ 36,958,400	\$ 42,097,003	\$ 47,399,729	\$ 52,879,921	\$ 58,186,930	\$ 59,664,877	\$ 61,231,501	\$ 62,892,123	\$ 64,652,382	\$ 66,518,257
	\$ Change		\$ 3,716,400	\$ 6,189,100	\$ 5,138,603	\$ 5,302,726	\$ 5,480,192	\$ 5,307,008	\$ 1,477,947	\$ 1,566,624	\$ 1,660,622	\$ 1,760,259	\$ 1,865,875
	% Change		13.7%	20.1%	13.9%	12.6%	11.6%	10.0%					
10-Year CIP Debt Service													
Total Estimated Charge		\$ 27,052,900	\$ 30,769,300	\$ 36,958,400	\$ 42,516,349	\$ 48,440,058	\$ 54,723,544	\$ 60,978,396	\$ 62,693,848	\$ 64,221,330	\$ 66,343,967	\$ 68,757,266	\$ 71,714,113
	% Change		\$ 0	20.1%	15.0%	13.9%	13.0%	11.4%	2.8%	2.4%	3.3%	3.6%	4.3%
Additional Annual Revenues				\$ 6,189,100	\$ 5,557,949	\$ 5,923,709	\$ 6,283,486	\$ 6,254,851	\$ 1,715,452	\$ 1,527,482	\$ 2,122,637	\$ 2,413,299	\$ 2,956,847
				20.1%	15.0%	13.9%	13.0%	11.4%	2.8%	2.4%	3.3%	3.6%	4.3%

Summary Information

	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030		FY 2031	FY 2032	FY 2033	FY 2034	FY 2035
RWSA													
Operations Revenues													
Urban Water	\$ 10,021,400	\$ 11,425,300	\$ 12,376,300	\$ 13,613,930	\$ 14,975,323	\$ 16,472,855	\$ 18,120,141		\$ 19,207,349	\$ 20,359,790	\$ 21,581,378	\$ 22,876,260	\$ 24,248,836
Urban Wastewater	9,908,300	11,007,500	12,610,900	13,871,990	15,259,189	16,785,108	18,463,619		19,571,436	20,745,722	21,990,465	23,309,893	24,708,487
Other Rate Centers	2,797,300	3,101,200	3,578,700	3,936,570	4,330,227	4,763,250	5,239,575		5,553,949	5,887,186	6,240,417	6,614,842	7,011,733
Total	\$ 22,727,000	\$ 25,534,000	\$ 28,565,900	\$ 31,422,490	\$ 34,564,739	\$ 38,021,213	\$ 41,823,334		\$ 44,332,734	\$ 46,992,698	\$ 49,812,260	\$ 52,800,996	\$ 55,969,056
Change \$		2,807,000	3,031,900	2,856,590	3,142,249	3,456,474	3,802,121		2,509,400	2,659,964	2,819,562	2,988,736	3,168,060
Change %		12.4%	11.9%	10.0%	10.0%	10.0%	10.0%		6.0%	6.0%	6.0%	6.0%	6.0%
Debt Service Charge Revenues													
Urban Water	10,193,800	12,593,900	15,733,600	19,077,058	22,417,186	25,747,064	28,487,102						
Urban Wastewater	9,339,600	10,156,700	11,948,200	12,791,096	13,624,616	14,491,376	15,250,616						
Other Rate Centers	2,585,800	2,862,100	3,608,500	4,361,040	5,113,580	5,866,120	6,618,660						
Total	\$ 22,119,200	\$ 25,612,700	\$ 31,290,300	\$ 36,229,194	\$ 41,155,382	\$ 46,104,560	\$ 50,356,378		\$ 50,356,378	\$ 50,356,378	\$ 50,356,378	\$ 50,356,378	\$ 50,356,378
Change \$		3,493,500	5,677,600	4,938,894	4,926,188	4,949,178	4,251,818						
Change %		15.8%	22.2%	15.8%	13.6%	12.0%	9.2%						
Total RWSA Customer Revenues	\$ 44,846,200	\$ 51,146,700	\$ 59,856,200	\$ 67,651,684	\$ 75,720,121	\$ 84,125,773	\$ 92,179,712		\$ 94,689,112	\$ 97,349,076	\$ 100,168,638	\$ 103,157,374	\$ 106,325,434
Change \$		\$ 6,300,500	\$ 8,709,500	\$ 7,795,484	\$ 8,068,437	\$ 8,405,652	\$ 8,053,939		\$ 2,509,400	\$ 2,659,964	\$ 2,819,562	\$ 2,988,736	\$ 3,168,060
Change %		14.0%	17.0%	13.0%	11.9%	11.1%	9.6%		2.7%	2.8%	2.9%	3.0%	3.1%
Additional for 10-Year CIP				520,886	1,392,105	2,595,543	4,073,888		4,092,518	3,792,384	4,525,136	5,689,525	7,633,309
Total Estimated Charge	\$ 44,846,200	\$ 51,146,700	\$ 59,856,200	\$ 68,172,570	\$ 77,112,226	\$ 86,721,316	\$ 96,253,600		\$ 98,781,630	\$ 101,141,460	\$ 104,693,774	\$ 108,846,898	\$ 113,958,742
% Change		14.0%	17.0%	13.9%	13.1%	12.5%	11.0%		2.6%	2.4%	3.5%	4.0%	4.7%
Additional Annual Revenues			\$ 59,856,200	\$ 68,172,570	\$ 77,112,226	\$ 86,721,316	\$ 96,253,600		\$ 98,781,630	\$ 101,141,460	\$ 104,693,774	\$ 108,846,898	\$ 113,958,742
			\$ 8,709,500	\$ 8,316,370	\$ 8,939,656	\$ 9,609,090	\$ 9,532,284		\$ 2,528,030	\$ 2,359,829	\$ 3,552,314	\$ 4,153,124	\$ 5,111,844
			17.0%	13.9%	13.1%	12.5%	11.0%		2.6%	2.4%	3.5%	4.0%	4.7%

FY 2026 CIP Summary Analysis
5-Year Summary

New rate revenue
needed

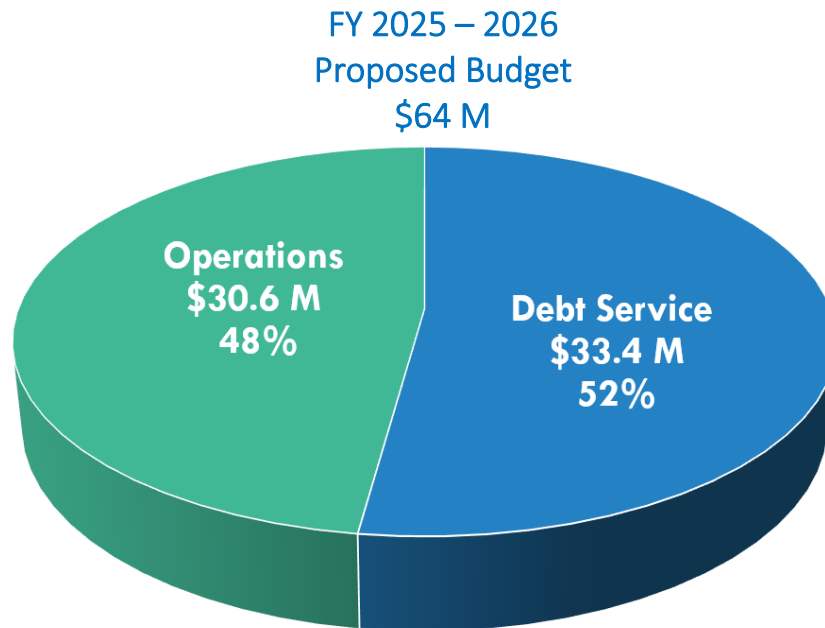
Five Year Summary of Revenue needed

	<u>FY 2025</u>	<u>5-Year Revenue Growth</u>	<u>FY 2030</u>	<u>Change %</u>	<u>Annual 5-year Average</u>
<u>City - Charges From RWSA</u>					
Urban Water					
Operating Rate Charges	\$ 5,598,400	\$ 3,099,232	\$ 8,697,632	55.4%	
Debt Service Charges	4,514,700	5,437,697	9,952,397	120.4%	
	<u>\$ 10,113,100</u>	<u>\$ 8,536,929</u>	<u>\$ 18,650,029</u>	<u>84.4%</u>	
Urban Wastewater					
Operating Rate Charges	\$ 5,173,500	\$ 3,319,744	\$ 8,493,244	64.2%	
Debt Service Charges	* 5,090,800	1,758,709	6,849,509	34.5%	
	<u>\$ 10,264,300</u>	<u>\$ 5,078,453</u>	<u>\$ 15,342,753</u>	<u>49.5%</u>	
Year 5-10 CIP					
Debt Service Charges	\$ -	\$ 1,282,422	\$ 1,282,422		
Total City Charges	\$ 20,377,400	\$ 14,897,805	\$ 35,275,205	73.1%	14.6% \$ 2,979,561
<u>ACSA - Charges From RWSA</u>					
Urban Water					
Operating Rate Charges	\$ 5,826,900	\$ 3,595,608	\$ 9,422,508	61.7%	
Debt Service Charges	8,079,200	10,455,505	18,534,705	129.4%	
	<u>\$ 13,906,100</u>	<u>\$ 14,051,113</u>	<u>\$ 27,957,213</u>	<u>101.0%</u>	
Urban Wastewater					
Operating Rate Charges	\$ 5,834,000	\$ 4,136,375	\$ 9,970,375	70.9%	
Debt Service Charges	* 5,065,900	3,335,207	8,401,107	65.8%	
	<u>\$ 10,899,900</u>	<u>\$ 7,471,582</u>	<u>\$ 18,371,482</u>	<u>68.5%</u>	
Other Rate Centers					
Operating Rate Charges	\$ 3,101,200	\$ 2,138,375	\$ 5,239,575	69.0%	
Debt Service Charges	2,862,100	3,756,560	6,618,660	131.3%	
	<u>\$ 5,963,300</u>	<u>\$ 5,894,935</u>	<u>\$ 11,858,235</u>	<u>98.9%</u>	
Year 5-10 CIP					
Debt Service Charges	\$ -	\$ 2,791,466	\$ 2,791,466		
Total ACSA Charges	\$ 30,769,300	\$ 30,209,096	\$ 60,978,396	98.2%	19.6% \$ 6,041,819
	\$ 51,146,700	\$ 45,106,900	\$ 96,253,600		
<u>RWSA Customer Revenue Charges</u>					
Operating Rate Revenues					
Urban Water	\$ 11,425,300	\$ 6,694,841	\$ 18,120,141	58.6%	
Urban Wastewater	11,007,500	7,456,119	18,463,619	67.7%	
Other Rate Centers	3,101,200	2,138,375	5,239,575	69.0%	
	<u>\$ 25,534,000</u>	<u>\$ 16,289,334</u>	<u>\$ 41,823,334</u>	<u>63.8%</u>	
Debt Service Rate Revenues					
Urban Water	\$ 12,593,900	\$ 15,893,202	\$ 28,487,102	126.2%	
Urban Wastewater	10,156,700	5,093,916	15,250,616	50.2%	
Other Rate Centers	2,862,100	3,756,560	6,618,660	131.3%	
	<u>\$ 25,612,700</u>	<u>\$ 24,743,678</u>	<u>\$ 50,356,378</u>	<u>96.6%</u>	
Year 5-10 CIP					
Debt Service Charges	\$ -	\$ 4,073,888	\$ 4,073,888		
Total RWSA Customer Revenues	\$ 51,146,700	\$ 45,106,900	\$ 96,253,600	88.2%	17.6% \$ 9,021,380

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Budget Overview

The Rivanna Water and Sewer Authority provides wholesale drinking water and wastewater treatment services for the Albemarle County Service Authority (ACSA) and the City of Charlottesville Utilities Department (City). An FY 2025-2026 budget of \$64 million is proposed to support the quality of life and economic development desired by both localities. The proposed budget was developed to strategically provide these water and wastewater services for our community in a reliable, regulatory compliant, environmentally protective, and financially responsible manner.

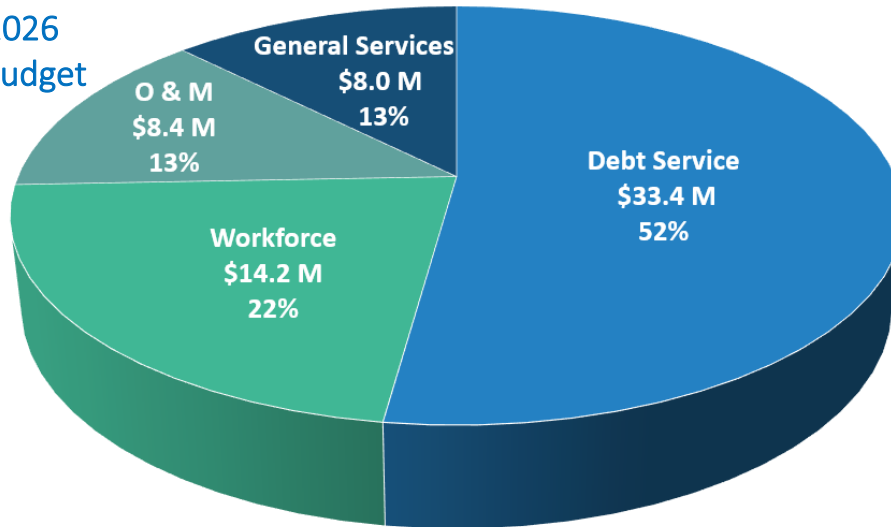


To provide the capacity and reliability needed to appropriately serve our customers, we are guided by our Strategic Plan priorities of Optimization and Resiliency, Communication and Collaboration, Planning and Infrastructure, Environmental Stewardship, and Workforce Development. The proposed budget includes \$33.4 M for Debt Service charges and \$30.6 M for Operating expenses, including a budget increase of \$8.9 M, or 16%.

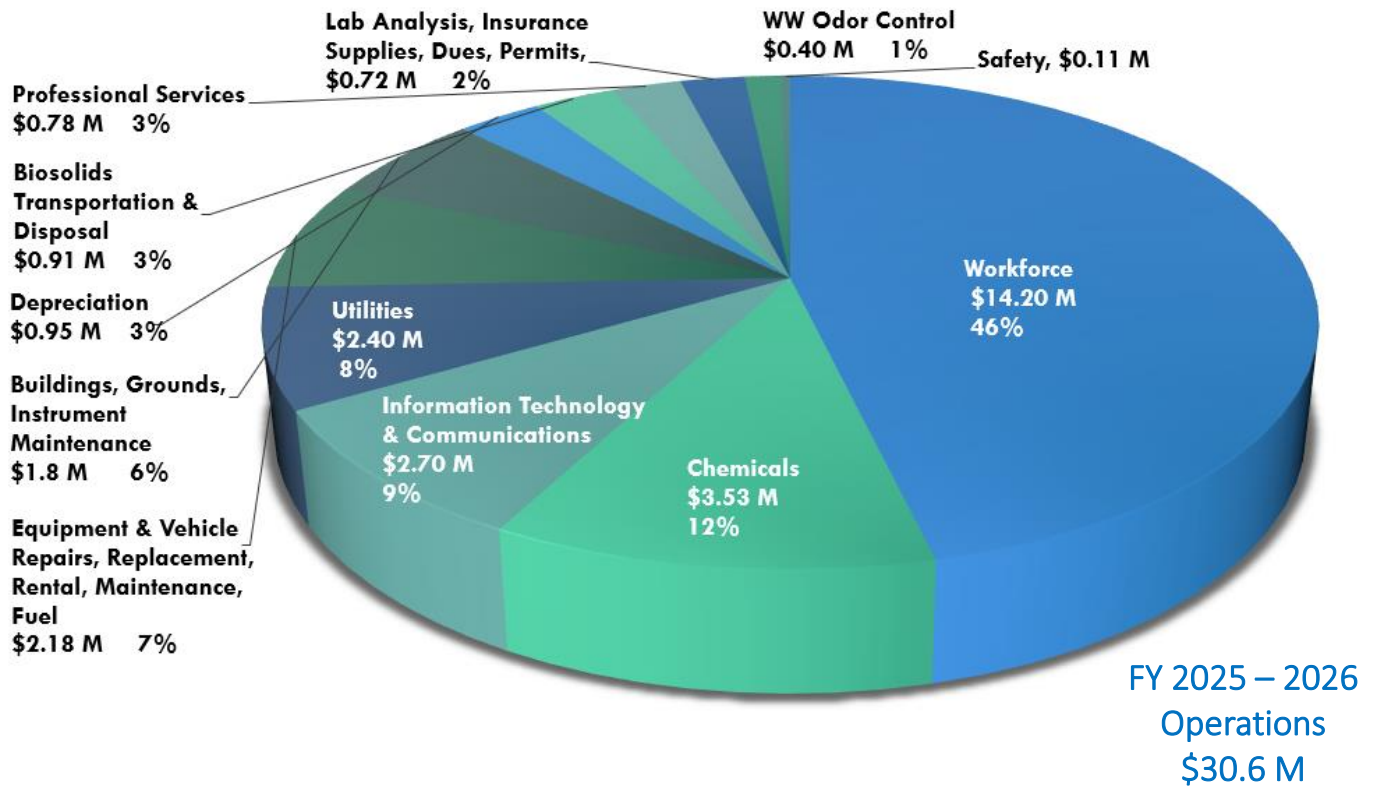
Debt Service charges represent 52% of our budget and provide funding to construct and renew our major infrastructure including water and wastewater treatment plants, pumping stations, piping systems and reservoir facilities. Operating expenses include Operation and Maintenance (chemicals; repairs and maintenance for buildings, vehicles, and equipment; fuel; and depreciation), General Services (professional and nonprofessional contract services; utilities; biosolids transportation and disposal; odor control; information technology; insurance; permits; and communications) and Workforce (salaries; benefits; training; and uniforms), as allocated below:

**Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget**

**FY 2025 – 2026
Proposed Budget
\$64 M**



A detailed allocation of our Operating expenses is shown below:



To support our Operational, Capital, and Strategic Plan goals, the FY 2025-2026 budget proposes an increase of \$3.2 M in Operating expenses and an increase of \$5.7 M in Debt Service charges for a total budget increase of \$8.9 M. Rates in the Urban Centers are proposed to increase:

- \$0.279 per 1000 gallons = 8% for water
- \$0.473 per 1000 gallons = 14% for wastewater

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Monthly Debt Service charges to City Utilities will increase:

- \$87,450 = 23% for Urban water
- \$41,778 = 9% for Urban wastewater

Monthly Debt Service charges to the ACSA will increase:

- \$174,198 = 25% for Urban water
- \$107,521 = 25% for Urban wastewater
- \$52,278 = 23% for non-Urban water
- \$9,920 = 146% for non-Urban wastewater

Actual Water and Wastewater Flows

Actual FY 2023-2024 water and wastewater retail flows reported by City Utilities and ACSA are used to allocate the Urban Area operating rates and charges, in accordance with the “Working Agreement on Urban Area Wholesale Flow Allocation and Billing Methodology” (1983). Based on the actual retail flows reported, the allocation of costs resulted in a \$256,000 charge increase for the ACSA and a \$256,000 charge decrease for the City.

Allocation of flows (based on retail flows):

	<u>FY 2025</u>	<u>FY 2026</u>
City Water	49%	48%
ACSA Water	51%	52%
City Wastewater	47%	46%
ACSA Wastewater	53%	54%

Expenses

Information technology to control our water and wastewater treatment processes, as well as our asset management systems, continues to be a major driver of our expense increases along with replacement of equipment which is deteriorated and has reached the end-of-life cycle. Two additional positions are proposed to strengthen our information technology and construction inspection resources. In addition, a 2% cost-of-living and 3% merit pool are proposed for staff salary increases to help us retain and attract highly skilled staff to provide our essential services. A brief description of proposed budget investments includes:

A. Increase in Operating Expenses:	\$3.25 M
1. Water and Wastewater Programs:	\$1.97 M
a. Technology, SCADA, Commissioning	\$1.00
b. Equipment Replacement	\$0.60

**Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget**

c. Prof. Services, Buildings & Grounds \$0.37

2. Personnel: \$1.27 M

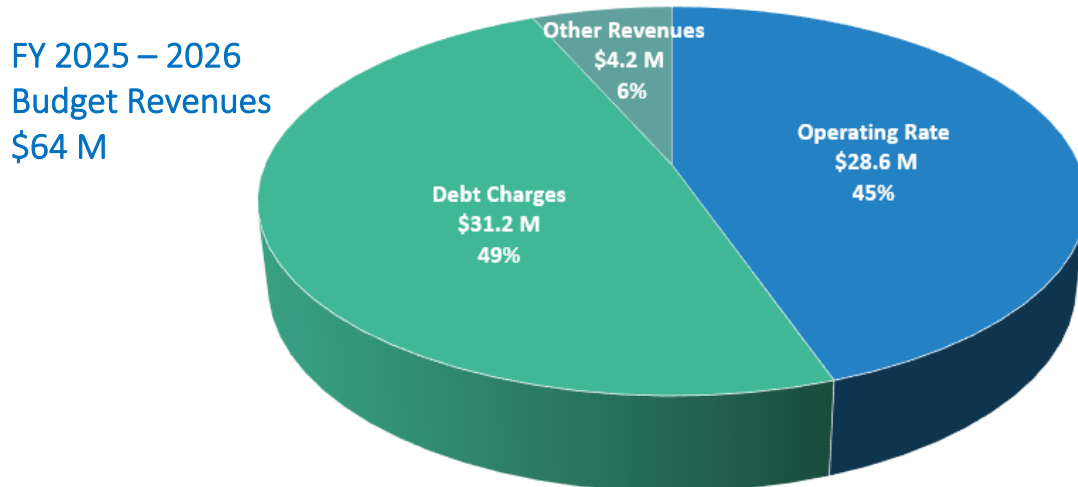
a. 2% cola + 3% merit \$0.57
b. VRS, Taxes, Health and Life Insurance \$0.37
c. FY 25 positions (0.5 year) \$0.18
d. FY 26 positions \$0.15
 ▪ Information Technology Specialist
 ▪ Engineering Construction Inspector

B. Increase in Debt Service Charges: \$5.67 M

Debt Service costs of \$33.4 M represent the largest component of our budget (52%) and of our budget increase (64%). These debt costs are estimated to increase \$5.7 M to support our investment in major water supply infrastructure projects in our FY 26 – 30 CIP. Some of those essential projects will complete our community’s water supply plan crafted in 2012 including the Ragged Mtn Reservoir to Observatory WTP Water Line and Pump Station, and the S. Rivanna Reservoir to Ragged Mtn. Reservoir Water Line and Pump Station. Significant regulatory and water distribution projects including the Beaver Creek Reservoir Dam, Water Line and Pump Station to support Crozet, and the Central Water Line to strengthen our Urban treated water distribution system are prominent in our 5-year CIP.

Revenues

Revenues for FY 2025 - 2026 are based upon estimated water and wastewater Operating Rates totaling \$28.6 M, Debt Service charges of \$31.2 M, and other Debt Service revenues of \$4.2 M (County septage station support and interest income), as shown below:



A summary of major investment-driven budget increases is provided below. **Appendix 8** provides a line-by-line review of the proposed budget for the Authority as a whole.

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Summary of Budget Expenses

FY 2026

Significant Line - item increases

	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Change from Prior year</u>
<u>Personnel cost in general</u>			
• Salary Adjustment 2% COLA & 3% Merit increase	11000	568,300	
• New Positions FY2026 (SCADA Tech & Eng. Tech)	11000	156,000	
• Fund 2025 Positions fully funded (Deputy ED, HR Comm, Wwater Operator)	11000	179,000	
• Personnel costs related changes - Benefits(VRS, Taxes, Life Ins., Health)	12XXX	371,700	
Total change in personnel and benefit costs			\$ 1,275,000
<u>General overall changes</u>			
• Engineering Professional Services	20300		
<i>Urban Water:</i>			
Dam Inspection by PE - RMD/SHD/SFRD		\$ 20,500	
Dam Misc. dam engineering		30,000	
Pantops Tank Inspection		15,000	
SHD Siren Study - Pilot		30,000	
DEQ Regional Water - Planning		20,000	
Tabletop exercise assistance		35,000	
Urban W Misc. Engineering studies		50,000	
<i>Crozet:</i>			
Eng. Consultant - Dam Inspection by PE - BCD		4,500	
Crozet Water As needed operations assistance		10,000	
DEQ Regional Water - Planning		5,000	
<i>Scottsville:</i>			
Scottsville Water as needed operations assistance		10,000	
DEQ Regional Water - Planning		5,000	
<i>Urban WW:</i>			
Wastewater Modeling and Analyses for allocation agreements		100,000	
Urban WW as needed Operations assistance		25,000	
SEH. ABAC		10,000	
Urban WW Misc. Engineering studies		50,000	
<i>Glenmore WW:</i>			
Glenmore WW as needed operations assistance		10,000	
<i>Scottsville WW</i>			
Scottsville WW as needed operations assistance		5,000	
<i>All Other:</i>			
Grant support	Administration	10,000	
Maintenance - ARC Flash	Maintenance	10,000	
Commissioning Program Support	Engineering	50,000	
Sustainability Assistance	Engineering	50,000	
Grant application Assistance	Engineering	4,500	
Misc. PER Support	Engineering	15,000	
Misc. CIP support	Engineering	15,000	
Total Estimated FY2026		589,500	
	<i>FY 2025 Budget</i>	<i>(309,900)</i>	
	<i>Change</i>	\$ 279,600	\$ 279,600

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Summary of Budget Expenses

FY 2026

Significant Line - item increases

	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Change from Prior year</u>
<u>IT - All Departments (These amounts are being revised)</u>			
• Hardware	31100		\$ 160,000
• SCADA Support and Main (commissioning and integration policy)	31150		\$ 482,000
• Maintenance and Support	31200		\$ 116,600
• Software and Subscriptions	31250		\$ 125,990
<u>Urban Water</u>			
• Training	13150		\$ 11,700
• Administrative Support - Dominion Power Consultant	20200		\$ 15,000
• Insurance - Premium increase and new facilities added	21100		\$ 30,000
• Watershed Mgt - Mitigation	21250		\$ 36,000
• Utilities - bring to FY 2023 actual levels	21400		\$ 60,000
• General Other Services - Hauling and Disposal of biosolids	21420		\$ 34,200
• Chemicals - See Data Table Worksheet	41450		\$ (59,000)
<u>Urban Wastewater</u>			
• Training	13150		\$ 11,200
• Administrative Support - Dominion Power Consultant	20200		\$ 15,000
• Building & Grounds	41100		\$ 100,000
• Chemicals	41450		\$ (94,000)
• Equipment Maint - (UV System, Aerators- 4 or 5 (\$170k), NRCY Pumps 3 (\$128k)	41550		\$ 298,000
<u>Crozet</u>			
• Utilities - bring to FY 2023 actual levels	21400		\$ 12,500
• B & G - HVAC replacement, Bioretention restoration	41100		\$ 11,600
• Chemicals	41450		\$ 22,500
<u>Scottsville Water</u>			
• Communications - better data service, Red Hill added	22150		\$ 11,400
<u>Glenmore WW</u>			
• Depreciation	99999		\$ 20,000
• Instrumentation - Replace ISCA sampler	41600		\$ 15,000
• Communication Data - dual redundant lines added	22150		\$ 16,650
<u>Administration</u>			
• Advertising & Comm	21150		\$ 13,700

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Summary of Budget Expenses
FY 2026

3/6/2026

Significant Line - item increases

	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Change from Prior year</u>
• Fuel	41650		\$ 5,000
<u>Finance / IT</u>			
• Travel & Lodging	20300		\$ 7,000
<u>Maintenance</u>			
• Equipment \$10,000 (Mobile Generator, Valve Machine, Attachments Skid St)	81250		\$ 250,000
<u>Lab</u>			
• Materials and Supplies (FY 2023 actuals were \$85K)	41400		\$ (30,000)
• Equipment repairs and replacement	41550		\$ 29,000
• Instrumentation - new temp location will need instrumentation	41600		\$ 17,000
<u>Engineering</u>			
• Training	13150		\$ 17,000
• Asset Management - City work annual subscription and Support	31325		\$ 48,000
• Security Systems			\$ (24,700)
• All other changes			\$ (83,340)
FY 2026 Total increases in estimated operating expenses			\$ 3,253,600

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

Debt Service & Capital Improvements

Debt service requirements for the Capital Improvement Plan (CIP) are included in the budget request. The FY 26-30 CIP totals \$550 M, an increase of \$179 M as compared to the FY 25-29 CIP. A budget increase of \$111 M is included in the five-year CIP for inflation and market revisions to existing projects, five projects and four studies totaling \$12 M were added, and projects totaling \$32 M transitioned into FY 2030. More detailed information on the proposed FY 2026 – 2030 CIP can be found at <http://www.rivanna.org/financials-and-procurement/>.

The table below shows the changes in estimated project costs reflected in the CIP:

	2025-2029 Adopted CIP	Projects Completed	New or Additional Project Costs	2026-2030 Draft CIP	Change \$	Change %
Project Cost						
Urban Water Projects	\$ 223,391,000	\$ (13,900,000)	\$ 103,752,800	\$ 313,243,800	\$ 89,852,800	40%
Urban Wastewater Projects	76,585,000	(475,000)	53,299,000	129,409,000	52,824,000	41%
Shared Projects	6,389,400	(114,909)	1,160,990	7,435,481	1,046,081	14%
Non-Urban Projects	64,635,000	-	35,555,000	100,190,000	35,555,000	35%
Total Project Cost Estimates	\$ 371,000,400	\$ (14,489,909)	\$ 193,767,790	\$ 550,278,281	\$ 179,277,881	33%

The Authority has programmed into the FY 2025-2026 budget charges that fund the additional debt service anticipated by the proposed CIP. Cumulatively, the Authority has built 33% of future debt service costs into the rates and charges for all rate centers in FY 2025-2026. This is done by using the CIP as a guide for future debt needs, and including an average charge increase over that five-year period. This proactive approach prevents large spikes in charges for any given year in which new debt is issued - effectively leveling the impact on charges.

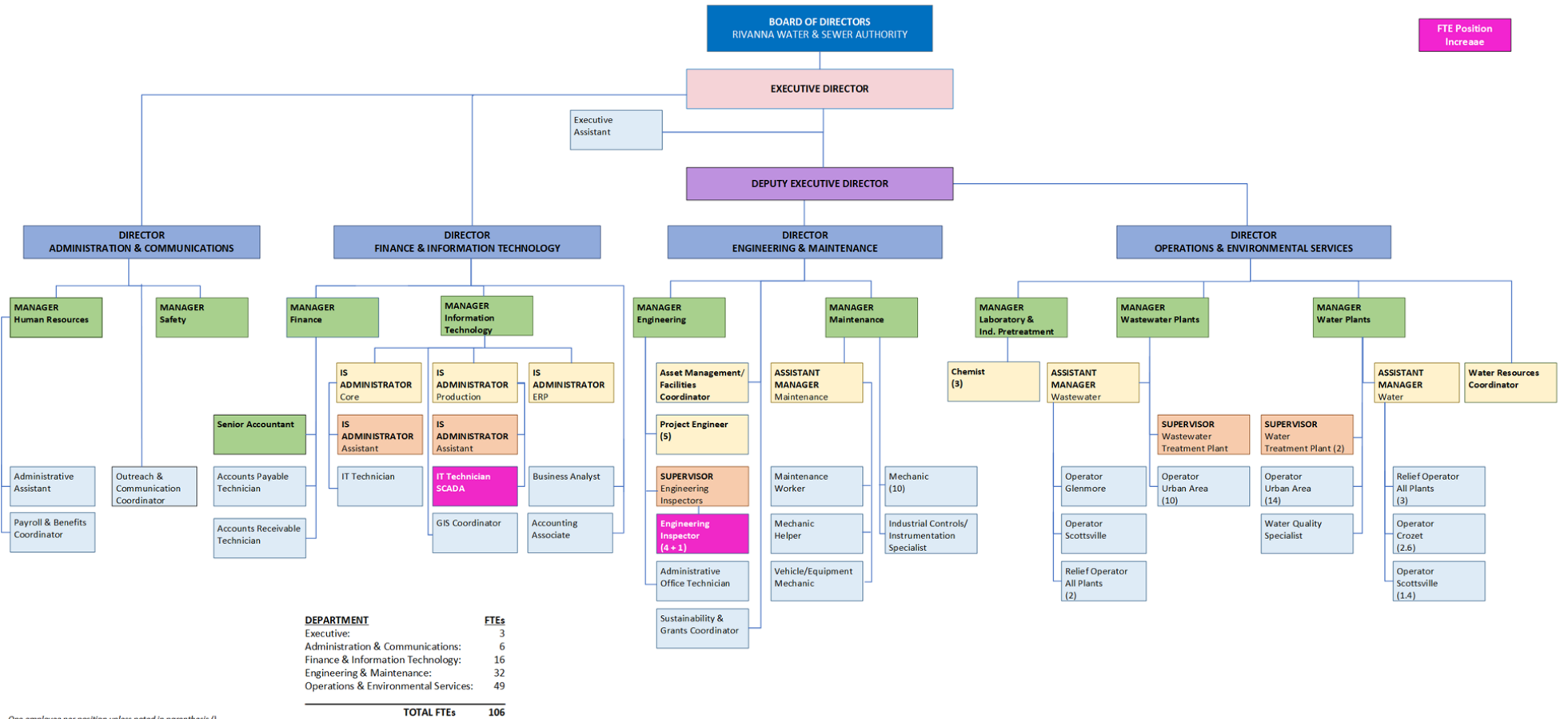
For example, current Urban Water charges have 33.2% (\$6.6 M) of the needed future debt service revenues already built into the charges to cover the total funding needed for the next five years, which is \$20 M. This will require the remaining \$13.4 M to be included in the future debt service charge as an annual increase over the next four years to fund the Water projects within the CIP.

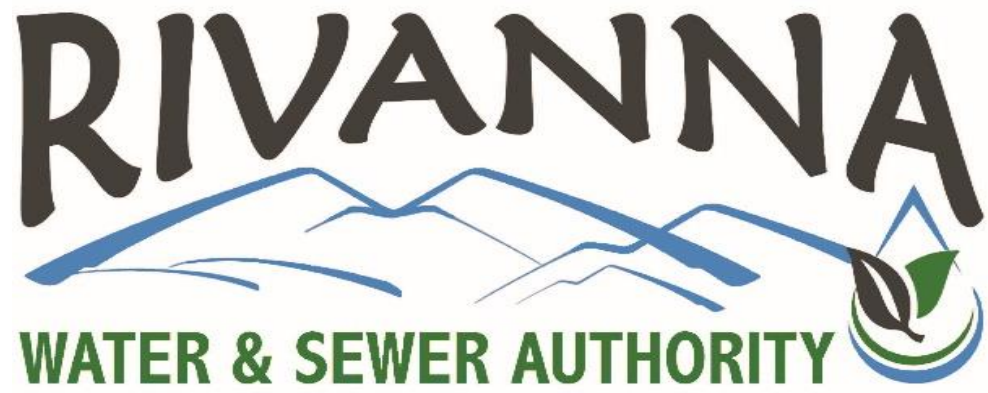
Next Five Years			
	Annual Estimated NEW Debt Service related to 5-year CIP <u>New Debt</u>	New Debt Service Cost built into <u>FY 2026 Rates</u>	Percentage of Debt Service in <u>FY 2026 Rates</u>
Urban Water	\$ 19,970,000	\$ 6,639,000	33.2%
Urban Waste water	4,558,000	911,000	20.0%
Non-Urban Rate Centers	5,356,000	2,345,000	43.8%
	\$ 29,884,000	\$ 9,895,000	33.1%

Rivanna Water and Sewer Authority
Adopted
FY 2025-2026 Budget

RIVANNA WATER & SEWER AUTHORITY
Organizational Chart

FY 2025 – 2026 Proposed Budget





VALUES

The Rivanna Authorities are committed to the following values:

- Integrity
- Teamwork
- Respect
- Quality

Draft Budget

Fiscal Year 2025 – 2026

RIVANNA WATER & SEWER AUTHORITY

FY 2026 Proposed Budget

Prepared:

March 10, 2025

Adopted:

Draft 8

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Budget Highlights

- Executive Summary Narrative

Budget Details

Pages 1 - 64

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Departmental Summary of Revenues and Expenses

Summary of Revenues

	FY 2025	FY 2026	\$ Change	% Change
Operations Revenues				
Urban Water	\$ 11,587,000	\$ 12,586,000	999,000	8.62%
Crozet Water	1,460,000	1,607,000	147,000	10.07%
Scottsville Water	747,000	860,000	113,000	15.13%
Urban Wastewater	11,749,000	13,421,000	1,672,000	14.23%
Glenmore Wastewater	537,000	679,000	142,000	26.44%
Scottsville Wastewater	408,000	496,000	88,000	21.57%
Administration	364,000	417,000	53,000	14.56%
Finance & IT	541,000	581,000	40,000	7.39%
Maintenance	-	-	-	-
Lab	-	-	-	-
Engineering	-	-	-	-
Total	\$ 27,393,000	\$ 30,647,000	\$ 3,254,000	11.88%

Debt Service Revenues				
Urban Water	\$ 13,534,000	\$ 16,688,000	3,154,000	23.30%
Crozet Water	2,717,000	3,254,000	537,000	19.76%
Scottsville Water	201,000	313,000	112,000	55.72%
Urban Wastewater	11,206,000	12,953,000	1,746,000	15.59%
Glenmore Wastewater	49,000	145,000	96,000	195.92%
Scottsville Wastewater	36,000	60,000	24,000	66.67%
Total	\$ 27,743,000	\$ 33,413,000	\$ 5,669,000	20.44%

Total Revenues \$ 55,136,000 \$ 64,060,000 \$ 8,923,000 16.19%

Summary of Expenses

	FY 2025	FY 2026	\$ Change	% Change
Operations Expenses				
Urban Water	\$ 7,690,000	\$ 7,899,000	209,000	2.72%
Crozet Water	1,097,000	1,170,000	73,000	6.65%
Scottsville Water	530,000	598,000	68,000	12.83%
Urban Wastewater	7,219,000	7,945,000	726,000	10.06%
Glenmore Wastewater	378,000	487,000	109,000	28.84%
Scottsville Wastewater	259,000	316,000	57,000	22.01%
Administration	1,758,000	2,033,000	275,000	15.64%
Finance & IT	3,226,000	4,165,000	939,000	29.11%
Maintenance	1,997,000	2,443,000	446,000	22.33%
Lab	633,000	666,000	33,000	5.21%
Engineering	2,606,000	2,922,000	316,000	12.13%
Total	\$ 27,393,000	\$ 30,647,000	\$ 3,251,000	11.88%

Debt Service Expenses				
Urban Water	\$ 13,534,000	\$ 16,688,000	3,154,000	23.30%
Crozet Water	2,717,000	3,254,000	537,000	19.76%
Scottsville Water	201,000	313,000	112,000	55.72%
Urban Wastewater	11,205,000	12,953,000	1,748,000	15.60%
Glenmore Wastewater	49,000	145,000	96,000	195.92%
Scottsville Wastewater	36,000	60,000	24,000	66.67%
Total	\$ 27,742,000	\$ 33,413,000	\$ 5,671,000	20.44%

Total Expenses \$ 55,135,000 \$ 64,060,000 \$ 8,922,000 16.19%

Total Budgetary Surplus/ (Deficit)	\$ 1,000	\$ -	\$ 1,000
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These figures are rounded from the detail pages of this budget model and some immaterial differences will be present.

Summary of Itemized Rates

URBAN RATE CENTERS			FY 2025	FY 2026	\$ Change	% Change
<u>Operating Rates</u> (\$ per 1,000 Gallons)						
	Operations	Water	\$ 3.363	\$ 3.642	\$ 0.279	8.30%
	Operations	Wastewater	3.247	3.719	0.472	14.54%
<u>Debt Service Charges</u> (\$ Monthly Charge)						
<u>Water</u>						
	Debt Service	CITY	\$ 376,226	\$ 463,676	\$ 87,450	23.24%
	Debt Service	ACSA	673,264	847,462	174,198	25.87%
<u>Wastewater</u>						
	Debt Service	CITY	\$ 424,222	\$ 466,000	\$ 41,778	9.85%
	Debt Service	ACSA	422,158	529,679	107,521	25.47%
OTHER RATE CENTERS (Monthly)			FY 2025	FY 2026	\$ Change	% Change
<u>Crozet Water</u>						
	Operations		\$ 118,387	\$ 130,182	\$ 11,795	9.96%
	Debt Service		215,864	258,666	42,802	19.83%
<u>Scottsville Water</u>						
	Operations		\$ 61,832	\$ 70,995	\$ 9,163	14.82%
	Debt Service		15,868	25,344	9,476	59.72%
Water Total			\$ 411,951	\$ 485,187	\$ 73,236	17.78%
<u>Glenmore Wastewater</u>						
	Operations		\$ 44,426	\$ 56,104	\$ 11,678	26.29%
	Debt Service		4,065	12,079	8,014	197.15%
<u>Scottsville Wastewater</u>						
	Operations		\$ 33,785	\$ 40,944	\$ 7,159	21.19%
	Debt Service		2,713	4,619	1,906	70.25%
Wastewater Total			\$ 84,989	\$ 113,746	\$ 28,757	33.84%
Total Monthly Other Rate Center Charges - ACSA			\$ 496,940	\$ 598,933	\$ 101,993	20.52%

Summary of Charges to Customers

		<u>FY 2025</u>	<u>FY 2026</u>	<u>Change</u> <u>\$</u>	<u>Change</u> <u>%</u>
<u>City - Charges From RWSA</u>					
Urban Water					
Operating Rate Charges	\$	5,598,400	\$ 5,940,600	\$ 342,200	6.1%
Debt Service Charges	*	4,514,700	5,564,100	1,049,400	23.2%
	\$	10,113,100	\$ 11,504,700	\$ 1,391,600	13.8%
Urban Wastewater					
Operating Rate Charges	\$	5,173,500	\$ 5,801,000	\$ 627,500	12.1%
Debt Service Charges		5,090,800	5,592,100	501,300	9.8%
	\$	10,264,300	\$ 11,393,100	\$ 1,128,800	11.0%
Total City Charges	\$	20,377,400	\$ 22,897,800	\$ 2,520,400	12.4%

<u>ACSA - Charges From RWSA</u>					
Urban Water					
Operating Rate Charges	\$	5,826,900	\$ 6,435,700	\$ 608,800	10.4%
Debt Service Charges	*	8,079,200	10,169,500	2,090,300	25.9%
	\$	13,906,100	\$ 16,605,200	\$ 2,699,100	19.4%
Urban Wastewater					
Operating Rate Charges	\$	5,834,000	\$ 6,809,900	\$ 975,900	16.7%
Debt Service Charges		5,065,900	6,356,100	1,290,200	25.5%
	\$	10,899,900	\$ 13,166,000	\$ 2,266,100	20.8%
Other Rate Centers					
Operating Rate Charges	\$	3,101,200	\$ 3,578,700	\$ 477,500	15.4%
Debt Service Charges		2,862,100	3,608,500	746,400	26.1%
	\$	5,963,300	\$ 7,187,200	\$ 1,223,900	20.5%
Total ACSA Charges	\$	30,769,300	\$ 36,958,400	\$ 6,189,100	20.1%

<u>RWSA Customer Revenue Charges</u>					
Operating Rate Revenues					
Urban Water	\$	11,425,300	\$ 12,376,300	\$ 951,000	8.3%
Urban Wastewater		11,007,500	12,610,900	1,603,400	14.6%
Other Rate Centers		3,101,200	3,578,700	477,500	15.4%
	\$	25,534,000	\$ 28,565,900	\$ 3,031,900	11.9%
Debt Service Rate Revenues					
Urban Water	\$	12,593,900	\$ 15,733,600	\$ 3,139,700	24.9%
Urban Wastewater		10,156,700	11,948,200	1,791,500	17.6%
Other Rate Centers		2,862,100	3,608,500	746,400	26.1%
	\$	25,612,700	\$ 31,290,300	\$ 5,677,600	22.2%
Total RWSA Customer Revenues	\$	51,146,700	\$ 59,856,200	\$ 8,709,500	17.0%

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Water Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2025-2026

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Urban Water Summary

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	9.309		9.309	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$	3.363			\$	3.642	8.30%
Revenue	\$	11,425,341	\$ 6,005,666	\$ 12,011,332	\$	12,376,260	8.32%
Lease Revenues		90,000	54,992	109,984		90,000	0.00%
Miscellaneous		-	2,735	2,735		-	
Interest Allocation		71,500	56,281	112,562		120,000	67.83%
Total Operations Revenues	\$	11,586,841	\$ 6,119,674	\$ 12,236,613	\$	12,586,260	8.63%

Projected Expenses

Personnel Cost	\$	2,570,828	\$ 1,376,867	\$ 2,717,067	\$	2,725,694	6.02%
Professional Services		177,000	272,860	545,720		220,500	24.58%
Other Services and Charges		1,076,746	553,425	1,053,745		1,210,134	12.39%
Communications		89,700	57,019	114,038		91,500	2.01%
Information Technology		109,400	23,536	102,072		197,100	80.16%
Supplies		7,900	4,357	8,714		10,031	26.97%
Operations and Maintenance		3,334,814	2,340,371	3,694,142		3,116,833	-6.54%
Equipment Purchases		23,300	13,952	27,904		26,900	15.45%
Depreciation & Reserves		300,000	150,000	300,000		300,000	0.00%
Subtotal Before Allocations	\$	7,689,688	\$ 4,792,387	\$ 8,563,402	\$	7,898,692	2.72%
Allocation of Support Departments		3,897,153	1,845,687	3,272,436		4,687,568	20.28%
Total Operations Expenses	\$	11,586,841	\$ 6,638,074	\$ 11,835,838	\$	12,586,260	8.63%

Operations Cost per 1,000 gallons	\$3.410	\$3.704	8.62%
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Debt Service Budget

Projected Revenue

Debt Service Rates	CITY	\$	376,226			\$	463,676	23.24%		
	ACSA	\$	673,264			\$	847,462	25.87%		
Debt Service Rate Revenue - CITY		\$	4,514,709	\$	2,257,356	\$	4,514,712	\$	5,564,116	23.24%
Debt Service Rate Revenue - ACSA			8,079,165		4,039,584		8,079,168		10,169,545	25.87%
Trust Fund Interest			185,000		89,777		179,554		200,000	8.11%
Reserve Fund Interest			744,800		374,074		748,148		744,800	0.00%
Lease Revenue			10,000		1,999		3,998		10,000	0.00%
Total Debt Service Revenue		\$	13,533,674	\$	6,762,790	\$	13,525,580	\$	16,688,461	23.31%

Principal, Interest & Reserves

Total Principal & Interest	\$	7,078,274	\$ 4,097,100	\$ 8,194,200	\$	8,904,860	25.81%
Reserve Additions - Interest		744,800	374,074	748,148		744,800	0.00%
Debt Service Ratio Charge		400,000	200,000	400,000		400,000	0.00%
Est. New Debt Service - CIP Growth		5,310,600	2,097,337	4,194,674		6,638,800	25.01%
Total Debt Principal and Interest	\$	13,533,674	\$ 6,768,511	\$ 13,537,022	\$	16,688,460	23.31%

Rate Center Summary

Total Revenues	\$	25,120,515	\$ 12,882,464	\$ 25,762,193	\$	29,274,721	16.54%
Total Expenses		25,120,515	13,406,585	25,372,860		29,274,720	16.54%
Surplus/(Deficit)	\$	-	\$ (524,121)	\$ 389,333	\$	1	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Urban Water

Expense Detail							2025	2025
Expense Center: Urban Water			Current Year Activity				vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %	
10000	Salaries & Benefits							
11000	Salaries	\$ 1,709,600	\$ 940,501	\$ 1,881,002	\$ 1,817,830	\$ 108,230	6.33%	
11010	Overtime & Holiday Pay	135,000	61,180	122,360	100,000	(35,000)	-25.93%	
12010	FICA	141,112	74,912	149,824	146,714	5,602	3.97%	
12020	Health Insurance	331,100	161,273	300,874	378,700	47,600	14.38%	
12026	Employee Assistance Program	350	191	382	350	-	0.00%	
12030	Retirement	146,684	78,714	157,428	155,970	9,286	6.33%	
12040	Life Insurance	22,909	9,733	19,466	24,359	1,450	6.33%	
12050	Fitness Program	2,000	2,599	5,198	4,700	2,700	135.00%	
12060	Worker's Comp Insurance	27,300	22,493	29,991	28,700	1,400	5.13%	
	Subtotal	\$ 2,516,055	\$ 1,351,596	\$ 2,666,525	\$ 2,657,323	\$ 141,268	5.61%	
13000	Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 4,500	\$ 193	386	\$ 4,500	\$ -	0.00%	
13150	Education & Training	21,573	5,927	11,854	33,271	11,698	54.23%	
13200	Travel & Lodging	2,700	970	1,940	4,500	1,800	66.67%	
13250	Uniforms	24,000	17,688	35,376	24,000	-	0.00%	
13325	Recruiting & Medical Testing	1,000	338	676	1,100	100	10.00%	
13350	Other	1,000	155	310	1,000	-	0.00%	
	Subtotal	\$ 54,773	\$ 25,271	\$ 50,542	\$ 68,371	\$ 13,598	24.83%	
20100	Professional Services							
20100	Legal Fees	\$ -	\$ 23,920	\$ 47,840	\$ -	\$ -		
20200	Financial & Admin. Services	5,000	8,256	16,512	20,000	15,000		
20250	Bond Issue Costs	-	-	-	-	-		
20300	Engineering & Technical Services	172,000	240,684	481,368	200,500	28,500	16.57%	
	Subtotal	\$ 177,000	\$ 272,860	\$ 545,720	\$ 220,500	\$ 43,500	24.58%	
21100	Other Services and Charges							
21100	General Liability/Property Ins.	\$ 56,125	\$ 46,462	\$ 59,819	\$ 85,700	\$ 29,575	52.69%	
21150	Advertising & Communication	-	131	262	-	-		
21250	Watershed Management	54,000	45,283	70,566	90,000	36,000	66.67%	
21253	Safety Programs/Supplies	27,000	5,961	11,922	16,900	(10,100)	-37.41%	
21300	Authority Dues/Permits/Fees	11,981	17,523	35,046	19,906	7,925	66.15%	
21350	Laboratory Analysis	120,495	25,728	51,456	96,285	(24,210)	-20.09%	
21400	Utilities	750,000	379,215	758,430	810,000	60,000	8.00%	
21420	General Other Services	57,145	33,122	66,244	91,343	34,198	59.84%	
21430	Governance & Strategic Support	-	-	-	-	-		
21450	Bad Debt	-	-	-	-	-		
	Subtotal	\$ 1,076,746	\$ 553,425	\$ 1,053,745	\$ 1,210,134	\$ 133,388	12.39%	
22000	Communication							
22100	Radio	\$ 3,000	\$ 2,067	\$ 4,134	\$ 3,500	\$ 500	16.67%	
22150	Telephone & Data Service	75,000	49,642	99,284	76,000	1,000	1.33%	
22200	Cell Phones, Wireless data	11,700	5,310	10,620	12,000	300	2.56%	
	Subtotal	\$ 89,700	\$ 57,019	\$ 114,038	\$ 91,500	\$ 1,800	2.01%	
31000	Information Technology							
31100	Computer Hardware	\$ 5,000	\$ 6,553	\$ 13,106	\$ 15,000	\$ 10,000	200.00%	
31150	SCADA Maint. & Support	99,500	16,390	87,780	169,700	70,200	70.55%	
31200	Maintenance & Support Services	500	593	1,186	-	(500)	-100.00%	
31250	Software & Subscriptions	-	-	-	-	-		
31300	Security Systems	4,400	-	-	12,400	8,000		
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-		
	Subtotal	\$ 109,400	\$ 23,536	\$ 102,072	\$ 197,100	\$ 87,700	80.16%	
33000	Supplies							
33100	Office Supplies	\$ 2,500	\$ 828	\$ 1,656	\$ 3,000	\$ 500	20.00%	
33150	Subscriptions/Reference Material	-	-	-	-	-		
33350	Postage & Delivery	5,400	3,529	7,058	7,031	1,631	30.20%	
	Subtotal	\$ 7,900	\$ 4,357	\$ 8,714	\$ 10,031	\$ 2,131	26.97%	
41000	Operation & Maintenance							
41100	Building & Grounds	\$ 168,750	\$ 178,433	\$ 256,866	\$ 181,220	\$ 12,470	7.39%	
41150	Building/land Lease, Rental	175,000	175,000	175,000	175,000	-	0.00%	
41300	Dam Maintenance	142,700	45,872	91,744	145,170	2,470	1.73%	
41350	Pipeline/Appurtenances	62,500	217,345	434,690	87,500	25,000	40.00%	
41400	Materials, Supplies & Tools	40,000	13,158	26,316	16,653	(23,347)	-58.37%	
41450	Chemicals	2,182,464	1,514,056	2,316,512	2,123,683	(58,781)	-2.69%	
41500	Vehicle Maintenance	8,000	3,826	7,652	10,000	2,000	25.00%	
41550	Equipment Repair, Replace, Maint.	257,000	118,249	236,498	187,000	(70,000)	-27.24%	
41600	Instrumentation & Metering	189,700	53,406	106,812	133,607	(56,093)	-29.57%	
41650	Fuel & Lubricants	27,700	12,944	25,888	25,000	(2,700)	-9.75%	
41700	General Other Maintenance	81,000	8,082	16,164	32,000	(49,000)	-60.49%	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
	<i>Subtotal</i>	\$ 3,334,814	\$ 2,340,371	\$ 3,694,142	\$ 3,116,833	\$ (217,981)	-6.54%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ 2,302	\$ 4,604	\$ -	\$ -	0.00%
81250	Equipment (over \$10,000)	-	-	-	-	-	0.00%
81300	Vehicle Replacement Fund	23,300	11,650	23,300	26,900	3,600	15.45%
	<i>Subtotal</i>	\$ 23,300	\$ 13,952	\$ 27,904	\$ 26,900	\$ 3,600	15.45%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 613,212	\$ 308,849	\$ 608,829	\$ 711,249	\$ 98,037	15.99%
95110	Finance & IT	1,181,544	584,959	777,189	1,577,029	395,485	
95300	Engineering Allocation	1,225,017	536,158	1,061,034	1,373,130	148,113	12.09%
95150	Maintenance Allocation	599,025	288,957	575,091	733,050	134,025	22.37%
95200	Laboratory Allocation	278,355	126,764	250,293	293,110	14,755	5.30%
	<i>Subtotal</i>	\$ 3,897,153	\$ 1,845,687	\$ 3,272,436	\$ 4,687,568	\$ 790,415	20.28%
	Depreciation	\$ 300,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ -	0.00%
	<i>Subtotal</i>	\$ 300,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ -	0.00%
	Total	\$ 11,586,841	\$ 6,638,074	\$ 11,835,838	\$ 12,586,260	\$ 999,419	8.63%

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Crozet Water Summary

Projected Flow (MGD)

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
0.555			0.555	0.00%

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 1,420,644	\$ 710,322	\$ 1,420,644	\$ 1,562,184	9.96%
Leases	30,000	16,854	33,708	30,000	0.00%
Interest Allocation	8,900	7,035	14,070	15,000	68.54%
Total Operations Revenues	\$ 1,459,544	\$ 734,211	\$ 1,468,422	\$ 1,607,184	10.12%

Projected Expenses

Personnel Cost	\$ 365,428	\$ 191,831	\$ 378,284	\$ 379,359	3.81%
Professional Services	22,900	29,689	59,378	19,500	-14.85%
Other Services and Charges	163,107	70,330	139,134	177,582	8.87%
Communications	19,000	9,233	18,466	15,300	-19.47%
Information Technology	35,000	2,429	4,858	64,400	84.00%
Supplies	1,600	1,584	3,168	1,100	-31.25%
Operations and Maintenance	426,600	241,822	436,444	449,085	5.27%
Equipment Purchases	3,300	1,976	3,952	3,800	15.15%
Depreciation	60,000	30,000	60,000	60,000	0.00%
Subtotal Before Allocations	\$ 1,096,935	\$ 578,894	\$ 1,103,684	\$ 1,170,126	6.67%
Allocations of Support Departments	362,608	172,121	306,151	437,055	20.53%
Total Operations Expenses	\$ 1,459,543	\$ 751,015	\$ 1,409,835	\$ 1,607,181	10.12%

Operations Cost per 1,000 gallons

\$7.205	\$7.934	10.12%
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Debt Service Budget

Projected Revenue

Debt Service Rates (monthly)

Debt Service Rate Revenue - ACSA	\$ 2,590,368	\$ 1,295,184	\$ 2,590,368	\$ 3,103,992	19.83%
Trust Fund Interest	32,400	15,692	31,384	32,000	-1.23%
Use of Reserves	-	-	-	-	
Reserve Fund Interest	93,800	46,859	93,718	118,000	25.80%
Total Debt Service Revenue	\$ 2,716,568	\$ 1,357,735	\$ 2,715,470	\$ 3,253,992	19.78%

Principal, Interest & Reserves

Total Principal & Interest - Existing	\$ 1,131,172	\$ 565,586	\$ 1,131,172	\$ 1,126,391	-0.42%
Estimated New Principal & Interest	1,491,600	745,800	1,491,600	2,009,600	34.73%
Reserve Additions - Interest	93,800	46,859	93,718	118,000	25.80%
Total Debt Principal and Interest	\$ 2,716,572	\$ 1,358,245	\$ 2,716,490	\$ 3,253,991	19.78%

Rate Center Summary

Total Revenues	\$ 4,176,112	\$ 2,091,946	\$ 4,183,892	\$ 4,861,176	16.40%
Total Expenses	4,176,115	2,109,260	4,126,325	4,861,172	16.40%
Surplus/(Deficit)	\$ (3)	\$ (17,314)	\$ 57,567	\$ 4	
Rates - (Monthly)					
ACSA	\$ 334,251			\$ 388,848	16.33%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Crozet Water

Expense Detail							2025	2025
Rate Center: Crozet Water			Current Year Activity				vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %	
Salaries & Benefits								
10000	Salaries	\$ 240,000	\$ 130,756	\$ 261,512	\$ 252,600	\$ 12,600	5.25%	
11010	Overtime & Holiday Pay	23,000	8,654	17,308	15,000	(8,000)	-34.78%	
12010	FICA	20,120	10,432	20,864	20,471	351	1.74%	
12020	Health Insurance	46,900	22,472	41,931	53,300	6,400	13.65%	
12026	Employee Assistance Program	50	27	54	50	-	0.00%	
12030	Retirement	20,592	10,983	21,966	21,673	1,081	5.25%	
12040	Life Insurance	3,216	1,353	2,706	3,385	169	5.25%	
12050	Fitness Program	300	362	724	630	330	110.00%	
12060	Worker's Comp Insurance	4,300	3,547	4,729	4,500	200	4.65%	
Subtotal		\$ 358,478	\$ 188,586	\$ 371,794	\$ 371,609	\$ 13,131	3.66%	
Other Personnel Costs								
13000	Employee Dues & Licenses	\$ 500	\$ 42	\$ 84	\$ 500	\$ -	0.00%	
13150	Education & Training	2,500	547	1,094	2,500	-	0.00%	
13200	Travel & Lodging	200	100	200	1,000	800	400.00%	
13250	Uniforms	3,500	2,495	4,990	3,500	-	0.00%	
13325	Recruiting & Medical Testing	150	48	96	150	-	0.00%	
13350	Other	100	13	26	100	-	0.00%	
Subtotal		\$ 6,950	\$ 3,245	\$ 6,490	\$ 7,750	\$ 800	11.51%	
Professional Services								
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-	
20200	Financial & Admin. Services	-	1,167	2,334	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	-	
20300	Engineering & Technical Services	22,900	28,522	57,044	19,500	(3,400)	-14.85%	
Subtotal		\$ 22,900	\$ 29,689	\$ 59,378	\$ 19,500	\$ (3,400)	-	
Other Services and Charges								
21100	General Liability/Property Ins.	\$ 3,190	\$ 2,289	\$ 3,052	\$ 3,600	\$ 410	12.85%	
21150	Advertising & Communication	-	1,013	2,026	-	-	-	
21250	Watershed Management	-	-	-	-	-	-	
21253	Safety Programs/Supplies	5,000	719	1,438	2,000	(3,000)	-60.00%	
21300	Authority Dues/Permits/Fees	2,237	319	638	2,382	145	6.48%	
21350	Laboratory Analysis	40,180	12,593	25,186	44,600	4,420	11.00%	
21400	Utilities	112,500	53,397	106,794	125,000	12,500	11.11%	
21420	General Other Services	-	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	-	
Subtotal		\$ 163,107	\$ 70,330	\$ 139,134	\$ 177,582	\$ 14,475	8.87%	
Communication								
22000	Radio	\$ 300	\$ 428	\$ 856	\$ 700	\$ 400	133.33%	
22150	Telephone & Data Service	17,200	8,021	16,042	13,000	(4,200)	-24.42%	
22200	Cell Phones, Wireless data	1,500	784	1,568	1,600	100	6.67%	
Subtotal		\$ 19,000	\$ 9,233	\$ 18,466	\$ 15,300	\$ (3,700)	-19.47%	
Information Technology								
31000	Computer Hardware	\$ 2,000	\$ -	\$ -	\$ 3,000	\$ 1,000	50.00%	
31150	SCADA Maint. & Support	33,000	2,429	4,858	60,400	27,400	83.03%	
31200	Maintenance & Support Services	-	-	-	-	-	-	
31250	Software & Subscriptions	-	-	-	-	-	-	
31300	Security Systems	-	-	-	1,000	1,000	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	-	
Subtotal		\$ 35,000	\$ 2,429	\$ 4,858	\$ 64,400	\$ 29,400	84.00%	
Supplies								
33000	Office Supplies	\$ -	\$ 235	\$ 470	\$ -	\$ -	-	
33150	Subscriptions/Reference Material	-	-	-	-	-	-	
33350	Postage & Delivery	1,600	1,349	2,698	1,100	(500)	-31.25%	
Subtotal		\$ 1,600	\$ 1,584	\$ 3,168	\$ 1,100	\$ (500)	-31.25%	
Operation & Maintenance								
41000	Building & Grounds	\$ 45,500	\$ 20,173	\$ 40,346	\$ 57,100	\$ 11,600	25.49%	
41150	Building/land Lease, Rental	-	-	-	-	-	-	
41300	Dam Maintenance	-	1,050	2,100	-	-	-	
41350	Pipeline/Appurtenances	2,000	4,023	8,046	1,000	(1,000)	-50.00%	
41400	Materials, Supplies & Tools	7,000	1,466	2,932	1,150	(5,850)	-83.57%	
41450	Chemicals	270,300	171,609	296,018	292,789	22,489	8.32%	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Crozet Water

		Current Year Activity			Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$	2025 vs. 2026 Variance %
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
41500	Vehicle Maintenance	1,300	541	1,082	3,000	1,700	130.77%
41550	Equipment Repair, Replace, Maint.	40,000	16,222	32,444	40,000	-	0.00%
41600	Instrumentation & Metering	45,500	25,119	50,238	45,046	(454)	-1.00%
41650	Fuel & Lubricants	5,000	1,619	3,238	4,000	(1,000)	-20.00%
41700	General Other Maintenance	10,000	-	-	5,000	(5,000)	-50.00%
Subtotal		\$ 426,600	\$ 241,822	\$ 436,444	\$ 449,085	\$ 22,485	5.27%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ 326	\$ 652	\$ -	\$ -	
81250	Equipment (over \$10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	3,300	1,650	3,300	3,800	500	15.15%
Subtotal		\$ 3,300	\$ 1,976	\$ 3,952	\$ 3,800	\$ 500	15.15%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 55,747	\$ 28,077	\$ 55,348	\$ 64,659	\$ 8,912	15.99%
95110	Finance & IT	107,413	53,178	70,654	143,366	35,953	
95300	Engineering Allocation	104,257	45,630	90,301	116,862	12,605	12.09%
95150	Maintenance Allocation	69,886	33,712	67,094	85,522	15,636	22.37%
95200	Laboratory Allocation	25,305	11,524	22,754	26,646	1,341	5.30%
Subtotal		\$ 362,608	\$ 172,121	\$ 306,151	\$ 437,055	\$ 74,447	20.53%
Depreciation		\$ 60,000	\$ 30,000	\$ 60,000	\$ 60,000	\$ -	0.00%
Subtotal		\$ 60,000	\$ 30,000	\$ 60,000	\$ 60,000	\$ -	0.00%
Total		\$ 1,459,543	\$ 751,015	\$ 1,409,835	\$ 1,607,181	\$ 147,638	10.12%

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Scottsville Water Summary

Projected Flow (MGD)

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
0.047			0.047	0.00%

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 741,984	\$ 370,992	\$ 741,984	\$ 851,940	14.82%
Interest Allocation	4,600	3,648	7,296	7,700	67.39%
Total Operations Revenues	\$ 746,584	\$ 374,640	\$ 749,280	\$ 859,640	15.14%

Projected Expenses

Personnel Cost	\$ 239,452	\$ 119,467	\$ 235,564	\$ 248,090	3.61%
Professional Services	5,000	2,939	5,878	15,000	200.00%
Other Services and Charges	68,490	25,287	49,856	79,887	16.64%
Communications	7,000	12,706	25,412	18,550	165.00%
Information Technology	13,400	11,933	23,486	57,000	325.37%
Supplies	200	1,616	3,232	200	0.00%
Operations and Maintenance	154,600	44,809	63,000	137,220	-11.24%
Equipment Purchases	2,200	1,615	3,230	2,400	9.09%
Depreciation	40,000	20,000	40,000	40,000	0.00%
Subtotal Before Allocations	\$ 530,342	\$ 240,372	\$ 449,658	\$ 598,347	12.82%
Allocations of Support Departments	216,247	102,917	186,622	261,289	20.83%
Total Operations Expenses	\$ 746,589	\$ 343,289	\$ 636,280	\$ 859,636	15.14%

Operations Cost per 1,000 gallons	\$43.520	\$50.110	15.14%
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Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly

Debt Service Rate Revenue - ACSA	\$ 190,416	\$ 95,208	\$ 190,416	\$ 304,128	59.72%
Trust Fund Interest	4,000	1,917	3,834	4,200	5.00%
Reserve Fund Interest	7,000	3,971	7,942	4,800	-31.43%
Total Debt Service Revenue	\$ 201,416	\$ 101,096	\$ 202,192	\$ 313,128	55.46%

Principal, Interest & Reserves

Total Principal & Interest	\$ 148,815	\$ 74,408	\$ 148,816	\$ 148,127	-0.46%
Estimated New Principal & Interest	45,600	22,800	45,600	160,200	251.32%
Reserve Additions-Interest	7,000	3,971	7,942	4,800	-31.43%
Total Debt Principal and Interest	\$ 201,415	\$ 101,179	\$ 202,358	\$ 313,127	55.46%

Rate Center Summary

Total Revenues	\$ 948,000	\$ 475,736	\$ 951,472	\$ 1,172,768	23.71%
Total Expenses	948,004	444,468	838,638	1,172,763	23.71%
Surplus/ (Deficit)	\$ (4)	\$ 31,268	\$ 112,834	\$ 5	
Rates - Monthly					
ACSA	\$ 77,700			\$ 96,339	23.99%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Scottsville Water

Expense Detail						2025	2025
Rate Center: Scottsville Water			Current Year Activity			vs.	vs.
Object		Adopted	Six Month	Projected	Proposed	2026	2026
Code	Line Item	Budget	Actual	Year end	Budget	Variance	Variance
		FY 2024-2025	12/31/2024	6/30/2025	FY 2025-2026	\$	%
10000	Salaries & Benefits						
11000	Salaries	\$ 158,200	\$ 81,431	\$ 162,862	\$ 166,000	\$ 7,800	4.93%
11010	Overtime & Holiday Pay	14,000	5,418	10,836	9,000	(5,000)	-35.71%
12010	FICA	13,173	6,500	13,000	13,388	215	1.63%
12020	Health Insurance	31,200	14,005	26,134	35,100	3,900	12.50%
12026	Employee Assistance Program	35	17	34	35	-	0.00%
12030	Retirement	13,574	6,848	13,696	14,243	669	4.93%
12040	Life Insurance	2,120	843	1,686	2,224	104	4.91%
12050	Fitness Program	200	226	452	400	200	100.00%
12060	Worker's Comp Insurance	2,600	2,163	2,884	2,750	150	5.77%
	Subtotal	\$ 235,102	\$ 117,451	\$ 231,584	\$ 243,140	\$ 8,038	3.42%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 400	\$ 26		\$ 400	\$ -	0.00%
13150	Education & Training	2,000	331	662	2,000	-	0.00%
13200	Travel & Lodging	100	61	122	100	-	0.00%
13250	Uniforms	1,600	1,561	3,122	2,200	600	37.50%
13325	Recruiting & Medical Testing	150	30	60	150	-	0.00%
13350	Other	100	7	14	100	-	0.00%
	Subtotal	\$ 4,350	\$ 2,016	\$ 3,980	\$ 4,950	\$ 600	13.79%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	96	192	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	5,000	2,843	5,686	15,000	10,000	200.00%
	Subtotal	\$ 5,000	\$ 2,939	\$ 5,878	\$ 15,000	\$ 10,000	
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 1,540	\$ 1,077	\$ 1,436	\$ 1,400	\$ (140)	-9.09%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	3,600	578	1,156	2,500	(1,100)	-30.56%
21300	Authority Dues/Permits/Fees	1,650	8	16	1,607	(43)	-2.61%
21350	Laboratory Analysis	37,200	9,440	18,880	43,380	6,180	16.61%
21400	Utilities	24,500	14,184	28,368	31,000	6,500	26.53%
21420	General Other Services	-	-	-	-	-	#DIV/0!
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 68,490	\$ 25,287	\$ 49,856	\$ 79,887	\$ 11,397	16.64%
22000	Communication						
22100	Radio	\$ 300	\$ 188	\$ 376	\$ 250	\$ (50)	-16.67%
22150	Telephone & Data Service	5,600	11,905	23,810	17,000	11,400	203.57%
22200	Cell Phones, Wireless data	1,100	613	1,226	1,300	200	18.18%
	Subtotal	\$ 7,000	\$ 12,706	\$ 25,412	\$ 18,550	\$ 11,550	165.00%
31000	Information Technology						
31100	Computer Hardware	\$ 2,000	\$ 6,461	\$ 12,922	\$ 2,000	\$ -	0.00%
31150	SCADA Maint. & Support	11,000	5,282	10,564	50,200	39,200	356.36%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	-	-	-	-	-	0.00%
31300	Security Systems	400	190	380	4,800	4,400	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	\$ 13,400	\$ 11,933	\$ 23,486	\$ 57,000	\$ 43,600	325.37%
33000	Supplies						
33100	Office Supplies	\$ -	\$ 224	\$ 448	\$ -	\$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	200	1,392	2,784	200	-	0.00%
	Subtotal	\$ 200	\$ 1,616	\$ 3,232	\$ 200	\$ -	0.00%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 22,600	\$ 7,467	\$ 14,934	\$ 22,600	\$ -	0.00%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	3,500	3,360	6,720	-	(3,500)	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	2,500	1,334	2,668	2,353	(147)	-5.88%
41450	Chemicals	58,100	13,309		59,770	1,670	2.87%
41500	Vehicle Maintenance	900	339	678	2,000	1,100	122.22%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Scottsville Water

Expense Detail							2025	2025
Rate Center: Scottsville Water			Current Year Activity				vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %	
41550	Equipment Repair, Replace, Maint.	25,000	18,523	37,046	20,000	(5,000)	-20.00%	
41600	Instrumentation & Metering	30,000	-	-	18,497	(11,503)	-38.34%	
41650	Fuel & Lubricants	2,000	477	954	2,000	-	0.00%	
41700	General Other Maintenance	10,000	-	-	10,000	-	0.00%	
Subtotal		\$ 154,600	\$ 44,809	\$ 63,000	\$ 137,220	\$ (17,380)	-11.24%	
81000	Equipment Purchases							
81200	Rental & Leases	\$ -	\$ 515	\$ 1,030	\$ -	-	-	
81250	Equipment (over \$10,000)	-	-	-	-	-	-	
81300	Vehicle Replacement Fund	2,200	1,100	2,200	2,400	200	9.09%	
Subtotal		\$ 2,200	\$ 1,615	\$ 3,230	\$ 2,400	\$ 200	9.09%	
95000	Allocations from Departments							
95100	Administrative Allocation	\$ 27,873	\$ 14,039	\$ 27,674	\$ 32,330	\$ 4,457	15.99%	
95110	Finance & IT	53,707	26,589	35,327	71,683	17,976		
95300	Engineering Allocation	52,128	22,815	45,150	58,431	6,303	12.09%	
95150	Maintenance Allocation	69,886	33,712	67,094	85,522	15,636	22.37%	
95200	Laboratory Allocation	12,653	5,762	11,377	13,323	670	5.30%	
Subtotal		\$ 216,247	\$ 102,917	\$ 186,622	\$ 261,289	\$ 45,042	20.83%	
Depreciation		\$ 40,000	\$ 20,000	\$ 40,000	\$ 40,000	\$ -	0.00%	
Subtotal		\$ 40,000	\$ 20,000	\$ 40,000	\$ 40,000	\$ -	0.00%	
Total		\$ 746,589	\$ 343,289	\$ 636,280	\$ 859,636	\$ 113,047	15.14%	

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Wastewater Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2025-2026

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Urban Wastewater Summary

Projected Flow (MGD)

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
9.289			9.289	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$ 3.247			\$ 3.719	14.54%
Revenue	\$ 11,007,464	\$ 5,758,457	\$ 11,516,914	\$ 12,610,887	14.57%
Stone Robinson WWTP	17,768	6,071	12,142	19,654	10.61%
Septage Acceptance	600,000	293,642	587,284	620,000	3.33%
Nutrient Credits	50,000	108,805	217,610	50,000	0.00%
Miscellaneous Revenue	-	-	-	-	
Interest Allocation	74,000	58,236	116,472	120,000	62.16%
Total Operations Revenues	\$ 11,749,232	\$ 6,225,211	\$ 12,450,422	\$ 13,420,541	14.22%

Projected Expenses

Personnel Cost	\$ 1,615,345	\$ 866,933	\$ 1,710,463	\$ 1,725,024	6.79%
Professional Services	35,000	22,616	45,232	205,000	485.71%
Other Services and Charges	2,721,750	1,370,217	2,690,713	2,742,631	0.77%
Communications	14,800	8,192	16,384	15,100	2.03%
Information Technology	95,500	43,622	86,444	187,600	96.44%
Supplies	2,600	764	1,528	2,600	0.00%
Operations and Maintenance	2,190,500	1,021,038	1,878,910	2,523,628	15.21%
Equipment Purchases	73,500	36,750	73,500	73,500	0.00%
Depreciation & Reserves	470,000	235,000	470,000	470,000	0.00%
Subtotal before allocations	\$ 7,218,995	\$ 3,605,132	\$ 6,973,174	\$ 7,945,083	10.06%
Allocations of Support Departments	4,530,237	2,156,607	3,855,775	5,475,458	20.86%
Total Operations Expenses	\$ 11,749,232	\$ 5,761,739	\$ 10,828,949	\$ 13,420,541	14.22%

Operations Cost per 1,000 gallons \$3.465 \$3.958 14.23%

Debt Service Budget

Projected Revenue

Debt Service Rate	CITY \$ 424,222			\$ 466,000	9.85%
	ACSA \$ 422,158			\$ 529,679	25.47%
Debt Service Rate Revenue - CITY	\$ 5,090,669	\$ 2,545,332	\$ 5,090,664	\$ 5,592,002	9.85%
Debt Service Rate Revenue - ACSA	5,065,891	2,532,948	5,065,896	6,356,145	25.47%
County MOU - Septage	109,440	109,440	109,440	109,440	0.00%
Trust Fund Interest	208,200	100,656	201,312	220,000	5.67%
Reserve Fund Interest	731,800	367,720	735,440	675,000	-7.76%
Total Debt Service Revenue	\$ 11,206,000	\$ 5,656,096	\$ 11,202,752	\$ 12,952,587	15.59%

Principal, Interest & Reserves

Total Principal & Interest	\$ 7,780,072	\$ 4,823,953	\$ 9,647,906	\$ 11,040,988	41.91%
Reserve Additions - Interest	731,800	367,720	735,440	675,000	-7.76%
Debt Service Ratio Charge	325,000	162,500	325,000	325,000	0.00%
Est. New Debt Service - CIP Growth	2,368,300	250,234	500,468	911,600	-61.51%
Total Debt Principal and Interest	\$ 11,205,172	\$ 5,604,407	\$ 11,208,814	\$ 12,952,588	15.59%

Rate Center Summary

Total Revenues	\$ 22,955,232	\$ 11,881,307	\$ 23,653,174	\$ 26,373,128	14.89%
Total Expenses	22,954,404	11,366,146	22,037,763	26,373,129	14.89%
Surplus/(Deficit)	\$ 828	\$ 515,161	\$ 1,615,411	\$ (1)	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Urban Wastewater

Expense Detail							2025	2025
Rate Center: Urban Wastewater			Current Year Activity				vs.	vs.
Object		Adopted				Proposed	2026	2026
Code	Line Item	Budget	Six Month	Projected		Budget	Variance	Variance
		FY 2024-2025	Actual	Year end		FY 2025-2026	\$	%
			12/31/2024	6/30/2025				
10000	Salaries & Benefits							
11000	Salaries	\$ 1,099,350	\$ 591,142	\$ 1,182,284	\$ 1,164,200	\$ 64,850	5.90%	
11010	Overtime & Holiday Pay	60,000	19,763	39,526	50,000	(10,000)	-16.67%	
12010	FICA	88,690	45,332	90,664	92,886	4,196	4.73%	
12020	Health Insurance	222,700	128,811	241,370	253,500	30,800	13.83%	
12026	Employee Assistance Program	250	128	256	250	-	0.00%	
12030	Retirement	94,324	44,866	89,732	99,888	5,564	5.90%	
12040	Life Insurance	14,731	6,021	12,042	15,600	869	5.90%	
12050	Fitness Program	1,400	760	1,520	1,800	400	28.57%	
12060	Worker's Comp Insurance	13,000	10,727	14,303	14,500	1,500	11.54%	
	Subtotal	\$ 1,594,445	\$ 847,550	\$ 1,671,697	\$ 1,692,624	\$ 98,179	6.16%	
13000	Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 2,500	\$ 386	\$ 772	\$ 2,500	\$ -	0.00%	
13150	Education & Training	4,000	6,637	13,274	15,200	11,200	280.00%	
13200	Travel & Lodging	1,400	124	248	1,600	200	14.29%	
13250	Uniforms	11,000	11,885	23,770	11,500	500	4.55%	
13325	Recruiting & Medical Testing	1,000	206	412	1,100	100	10.00%	
13350	Other	1,000	145	290	500	(500)	-50.00%	
	Subtotal	\$ 20,900	\$ 19,383	\$ 38,766	\$ 32,400	\$ 11,500	55.02%	
	Professional Services							
20100	Legal Fees	\$ -	\$ 2,611	\$ 5,222	\$ -	\$ -		
20200	Financial & Admin. Services	5,000	7,812	15,624	20,000	15,000		
20250	Bond Issue Costs	-	-	-	-	-		
20300	Engineering & Technical Services	30,000	12,193	24,386	185,000	155,000	516.67%	
	Subtotal	\$ 35,000	\$ 22,616	\$ 45,232	\$ 205,000	\$ 170,000		
	Other Services and Charges							
21100	General Liability/Property Ins.	\$ 102,850	\$ 74,582	\$ 99,443	\$ 112,400	\$ 9,550	9.29%	
21150	Advertising & Communication	-	-	-	-	-		
21250	Watershed Management	-	-	-	-	-		
21253	Safety Programs/Supplies	29,000	6,719	13,438	27,500	(1,500)	-5.17%	
21300	Authority Dues/Permits/Fees	36,000	18,183	36,366	40,490	4,490	12.47%	
21350	Laboratory Analysis	10,800	8,991	17,982	13,800	3,000	27.78%	
21400	Utilities	1,376,000	639,644	1,279,288	1,368,000	(8,000)	-0.58%	
21420	General Other Services	1,167,100	622,098	1,244,196	1,180,441	13,341	1.14%	
21430	Governance & Strategic Support	-	-	-	-	-		
21450	Bad Debt	-	-	-	-	-		
	Subtotal	\$ 2,721,750	\$ 1,370,217	\$ 2,690,713	\$ 2,742,631	\$ 20,881	0.77%	
22000	Communication							
22100	Radio	\$ 3,000	\$ 1,692	\$ 3,384	\$ 2,500	\$ (500)		
22150	Telephone & Data Service	5,700	3,551	7,102	6,500	800		
22200	Cell Phones, Wireless data	6,100	2,949	5,898	6,100	-	0.00%	
	Subtotal	\$ 14,800	\$ 8,192	\$ 16,384	\$ 15,100	\$ 300	2.03%	
31000	Information Technology							
31100	Computer Hardware	\$ 7,000	\$ 12,868	\$ 25,736	\$ 14,000	\$ 7,000	100.00%	
31150	SCADA Maint. & Support	81,000	30,354	60,708	158,400	77,400	95.56%	
31200	Maintenance & Support Services	-	-	-	-	-		
31250	Software & Subscriptions	-	-	-	-	-		
31300	Security Systems	7,500	400	800	15,200	7,700		
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-		
	Subtotal	\$ 95,500	\$ 43,622	\$ 86,444	\$ 187,600	\$ 92,100	96.44%	
33000	Supplies							
33100	Office Supplies	\$ -	\$ 160	\$ 320	\$ -	\$ -	#DIV/0!	
33150	Subscriptions/Reference Material	-	-	-	-	-		
33350	Postage & Delivery	2,600	604	1,208	2,600	-	0.00%	
	Subtotal	\$ 2,600	\$ 764	\$ 1,528	\$ 2,600	\$ -	0.00%	
41000	Operation & Maintenance							
41100	Building & Grounds	\$ 57,600	\$ 30,190	\$ 60,380	\$ 157,824	\$ 100,224	174.00%	
41150	Building/land Lease, Rental	-	(89)	(178)	-	-		
41300	Dam Maintenance	-	-	-	-	-		
41350	Pipeline/Appurtenances	62,500	22,933		102,500	40,000	64.00%	
41400	Materials, Supplies & Tools	60,000	14,939	29,878	50,000	(10,000)	-16.67%	
41450	Chemicals	1,131,900	479,498	958,996	1,037,900	(94,000)	-8.30%	
41500	Vehicle Maintenance	27,000	6,666	13,332	14,000	(13,000)	-48.15%	
41550	Equipment Repair, Replace, Maint.	651,000	407,657	815,314	949,031	298,031	45.78%	
41600	Instrumentation & Metering	181,000	58,650		180,373	(627)	-0.35%	
41650	Fuel & Lubricants	34,500	16,243	32,486	47,000	12,500	36.23%	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$		2025 vs. 2026 Variance %	
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025					
41700	General Other Maintenance	(15,000)	(15,649)	(31,298)	(15,000)	-		0.00%	
	<i>Subtotal</i>	\$ 2,190,500	\$ 1,021,038	\$ 1,878,910	\$ 2,523,628	\$ 333,128		15.21%	
81000	Equipment Purchases								
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -		#DIV/0!	
81250	Equipment (over \$10,000)	-	-	-	-	-			
81300	Vehicle Replacement Fund	73,500	36,750	73,500	73,500	-		0.00%	
	<i>Subtotal</i>	\$ 73,500	\$ 36,750	\$ 73,500	\$ 73,500	\$ -		0.00%	
95000	Allocations from Departments								
95100	Administrative Allocation	\$ 668,958	\$ 336,926	\$ 664,177	\$ 775,908	\$ 106,950		15.99%	
95110	Finance & IT	1,288,957	638,137	847,843	1,720,395	431,438			
95300	Engineering Allocation	1,146,824	501,935	993,309	1,285,483	138,659		12.09%	
95150	Maintenance Allocation	1,128,164	544,202	1,083,088	1,380,577	252,413		22.37%	
95200	Laboratory Allocation	297,334	135,407	267,358	313,095	15,761		5.30%	
	<i>Subtotal</i>	\$ 4,530,237	\$ 2,156,607	\$ 3,855,775	\$ 5,475,458	\$ 945,221		20.86%	
	Depreciation	\$ 470,000	\$ 235,000	\$ 470,000	\$ 470,000	\$ -		0.00%	
	<i>Subtotal</i>	\$ 470,000	\$ 235,000	\$ 470,000	\$ 470,000	\$ -		0.00%	
	Total	\$ 11,749,232	\$ 5,761,739	\$ 10,828,949	\$ 13,420,541	\$ 1,671,309		14.22%	

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Glenmore Wastewater Summary

Projected Flow (MGD)

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
0.113			0.113	

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 533,112	\$ 266,556	\$ 533,112	\$ 673,248	26.29%
Interest Allocation	3,700	2,866	5,732	5,500	48.65%
Total Operations Revenues	\$ 536,812	\$ 269,422	\$ 538,844	\$ 678,748	26.44%

Projected Expenses

Personnel Cost	\$ 133,566	\$ 71,535	\$ 141,149	\$ 142,587	6.75%
Professional Services	10,000	584	1,168	10,000	
Other Services and Charges	41,840	19,056	42,933	45,136	7.88%
Communications	3,700	10,985	21,970	20,300	448.65%
Information Technology	14,350	429	858	53,450	272.47%
Supplies	-	-	-	-	
Operations and Maintenance	130,600	105,973	211,946	152,435	16.72%
Equipment Purchases	3,500	1,750	3,500	3,500	0.00%
Depreciation	40,000	20,000	40,000	60,000	50.00%
Subtotal before allocations	\$ 377,556	\$ 230,312	\$ 463,524	\$ 487,408	29.10%
Allocations of Support Departments	159,261	75,459	140,990	191,344	20.14%
Total Operations Expenses	\$ 536,817	\$ 305,771	\$ 604,514	\$ 678,752	26.44%

Operations Cost per 1,000 gallons

\$13.015

\$16.457

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)

Debt Service Rate Revenue - ACSA	\$ 48,780	\$ 24,390	\$ 48,780	\$ 144,948	197.15%
Trust Fund Interest	500	250	500	500	
Reserve Fund Interest	-	-	-	-	#DIV/0!
Total Debt Service Revenue	\$ 49,280	\$ 24,640	\$ 49,280	\$ 145,448	195.15%

Principal, Interest & Reserves

Total Principal & Interest	\$ 18,720	\$ 9,360	\$ 18,720	\$ 18,746	0.14%
Estimated New Principal & Interest	30,560	15,280	30,560	126,700	314.59%
Reserve Additions - Interest	-	-	-	-	#DIV/0!
Total Debt Principal and Interest	\$ 49,280	\$ 24,640	\$ 49,280	\$ 145,446	195.14%

Rate Center Summary

Total Revenues	\$ 586,092	\$ 294,062	\$ 588,124	\$ 824,196	40.63%
Total Expenses	586,097	330,411	653,794	824,198	40.62%
Surplus/(Deficit)	\$ (5)	\$ (36,349)	\$ (65,670)	\$ (2)	
Rates (Monthly)					
ACSA	\$ 48,491			\$ 68,183	40.61%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 90,500	\$ 48,585	\$ 97,170	\$ 95,800	\$ 5,300	5.86%
11010	Overtime & Holiday Pay	4,500	1,689	3,378	4,500	-	0.00%
12010	FICA	7,268	3,734	7,468	7,673	405	5.57%
12020	Health Insurance	19,500	10,721	20,098	21,460	1,960	10.05%
12026	Employee Assistance Program	20	11	22	20	-	0.00%
12030	Retirement	7,765	3,706	7,412	8,220	455	5.86%
12040	Life Insurance	1,213	495	990	1,284	71	5.85%
12050	Fitness Program	100	60	120	130	30	30.00%
12060	Worker's Comp Insurance	1,000	865	1,153	1,150	150	15.00%
	Subtotal	\$ 131,866	\$ 69,866	\$ 137,811	\$ 140,237	\$ 8,371	6.35%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 150	\$ 33	\$ 66	\$ 150	\$ -	0.00%
13150	Education & Training	500	517	1,034	1,000	500	100.00%
13200	Travel & Lodging	100	4	8	100	-	0.00%
13250	Uniforms	850	1,091	2,182	1,000	150	17.65%
13325	Recruiting & Medical Testing	50	19	38	50	-	0.00%
13350	Other	50	5	10	50	-	0.00%
	Subtotal	\$ 1,700	\$ 1,669	\$ 3,338	\$ 2,350	\$ 650	38.24%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	372	744	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	10,000	212	424	10,000	-	0.00%
	Subtotal	\$ 10,000	\$ 584	\$ 1,168	\$ 10,000	\$ -	
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 440	\$ 269	\$ 359	\$ 400	\$ (40)	-9.09%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	4,300	494	988	-	(4,300)	-100.00%
21300	Authority Dues/Permits/Fees	4,800	3,408	6,816	3,936	(864)	-18.00%
21350	Laboratory Analysis	2,800	351	702	2,800	-	0.00%
21400	Utilities	29,500	14,534	34,068	38,000	8,500	28.81%
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 41,840	\$ 19,056	\$ 42,933	\$ 45,136	\$ 3,296	7.88%
22000	Communication						
22100	Radio	\$ 300	\$ 188	\$ 376	\$ 250	\$ (50)	
22150	Telephone & Data Service	2,550	10,406	20,812	19,200	16,650	
22200	Cell Phones, Wireless data	850	391	782	850	-	
	Subtotal	\$ 3,700	\$ 10,985	\$ 21,970	\$ 20,300	\$ 16,600	
31000	Information Technology						
31100	Computer Hardware	\$ 2,000	\$ -	\$ -	\$ 2,000	\$ -	0.00%
31150	SCADA Maint. & Support	10,750	429	858	49,650	38,900	361.86%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	1,600	-	-	-	(1,600)	
31300	Security Systems	-	-	-	1,800	1,800	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	\$ 14,350	\$ 429	\$ 858	\$ 53,450	\$ 39,100	272.47%
33000	Supplies						
33100	Office Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 9,500	\$ 3,860	\$ 7,720	\$ 13,235	\$ 3,735	39.32%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	1,560	3,120	-	-	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41400	Materials, Supplies & Tools	4,000	526	1,052	1,000	(3,000)	-75.00%
41450	Chemicals	5,300	2,856	5,712	4,700	(600)	-11.32%
41500	Vehicle Maintenance	-	50	100	1,000	1,000	#DIV/0!
41550	Equipment Repair, Replace, Maint.	33,900	58,886	117,772	40,000	6,100	17.99%
41600	Instrumentation & Metering	5,000	-	-	20,000	15,000	300.00%
41650	Fuel & Lubricants	3,900	1,002	2,004	3,500	(400)	-10.26%
41700	General Other Maintenance	69,000	37,233	74,466	69,000	-	0.00%
Subtotal		\$ 130,600	\$ 105,973	\$ 211,946	\$ 152,435	\$ 21,835	16.72%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -	
81250	Equipment (over \$10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	3,500	1,750	3,500	3,500	-	0.00%
Subtotal		\$ 3,500	\$ 1,750	\$ 3,500	\$ 3,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 13,937	\$ 7,019	\$ 13,837	\$ 16,165	\$ 2,228	15.99%
95110	Finance & IT	26,853	13,295	17,663	35,842	8,989	33.47%
95300	Engineering Allocation	39,096	17,111	33,863	43,823	4,727	12.09%
95150	Maintenance Allocation	69,886	33,712	67,094	85,522	15,636	22.37%
95200	Laboratory Allocation	9,489	4,322	8,533	9,992	503	5.30%
Subtotal		\$ 159,261	\$ 75,459	\$ 140,990	\$ 191,344	\$ 32,083	20.14%
Depreciation		\$ 40,000	\$ 20,000	\$ 40,000	\$ 60,000	\$ 20,000	50.00%
Subtotal		\$ 40,000	\$ 20,000	\$ 40,000	\$ 60,000	\$ 20,000	50.00%
Total		\$ 536,817	\$ 305,771	\$ 604,514	\$ 678,752	\$ 141,935	26.44%

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Scottsville Wastewater Summary

Projected Flow (MGD)

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	
0.065			0.065	

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 33,785			\$ 40,944	21.19%
Interest Allocation	\$ 405,420	\$ 202,710	\$ 405,420	\$ 491,328	21.19%
	2,700	2,215	4,430	4,200	55.56%
Total Operations Revenues	\$ 408,120	\$ 204,925	\$ 409,850	\$ 495,528	21.42%

Projected Expenses

Personnel Cost	\$ 133,636	\$ 71,535	\$ 141,149	\$ 142,484	6.62%
Professional Services	5,000	25,768	51,536	5,000	0.00%
Other Services and Charges	33,400	16,341	32,143	30,936	-7.38%
Communications	3,650	368	736	6,050	65.75%
Information Technology	15,150	429	858	54,750	261.39%
Supplies	-	-	-	-	
Operations and Maintenance	44,500	34,470	68,940	53,680	20.63%
Equipment Purchases	3,500	1,750	3,500	3,500	0.00%
Depreciation	20,000	10,000	20,000	20,000	0.00%
Subtotal before allocations	\$ 258,836	\$ 160,661	\$ 318,862	\$ 316,400	22.24%
Allocations of Support Departments	149,278	70,643	131,405	179,127	20.00%
Total Operations Expenses	\$ 408,114	\$ 231,304	\$ 450,267	\$ 495,527	21.42%

Operations Cost per 1,000 gallons \$17.202 \$20.886 121.42%

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)

Debt Service Rate Revenue - ACSA	\$ 2,713			\$ 4,619	70.25%
Trust Fund Interest	\$ 32,556	\$ 16,278	\$ 32,556	\$ 55,428	70.25%
Reserve Fund Interest	200	104	208	200	0.00%
	3,400	1,588	3,176	4,000	17.65%
Total Debt Service Revenue	\$ 36,156	\$ 17,970	\$ 35,940	\$ 59,628	64.92%

Principal, Interest & Reserves

Total Principal & Interest	\$ 7,453	\$ 3,727	\$ 7,454	\$ 6,526	-12.44%
Estimated New Principal & Interest	25,300	12,650	25,300	49,100	94.07%
Reserve Additions - Interest	3,400	1,588	3,176	4,000	17.65%
Total Debt Principal and Interest	\$ 36,153	\$ 17,965	\$ 35,930	\$ 59,626	64.93%

Rate Center Summary

Total Revenues	\$ 444,276	\$ 222,895	\$ 445,790	\$ 555,156	24.96%
Total Expenses	444,267	249,269	486,197	555,153	24.96%
Surplus/(Deficit)	\$ 9	\$ (26,374)	\$ (40,407)	\$ 3	
Rates (Monthly)					
ACSA	\$ 36,498			\$ 45,563	24.84%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$	2025 vs. 2026 Variance %
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
10000	Salaries & Benefits						
11000	Salaries	\$ 90,500	\$ 48,585	\$ 97,170	\$ 95,800	\$ 5,300	5.86%
11010	Overtime & Holiday Pay	4,500	1,689	3,378	4,400	(100)	-2.22%
12010	FICA	7,268	3,734	7,468	7,665	397	5.46%
12020	Health Insurance	19,500	10,721	20,098	21,460	1,960	10.05%
12026	Employee Assistance Program	20	11	22	20	-	0.00%
12030	Retirement	7,765	3,706	7,412	8,220	455	5.86%
12040	Life Insurance	1,213	495	990	1,284	71	5.85%
12050	Fitness Program	100	60	120	135	35	35.00%
12060	Worker's Comp Insurance	1,000	865	1,153	1,150	150	15.00%
	Subtotal	\$ 131,866	\$ 69,866	\$ 137,811	\$ 140,134	\$ 8,268	6.27%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 100	\$ 33	\$ 66	\$ 150	\$ 50	50.00%
13150	Education & Training	600	517	1,034	1,000	400	66.67%
13200	Travel & Lodging	100	4	8	100	-	0.00%
13250	Uniforms	850	1,091	2,182	1,000	150	17.65%
13325	Recruiting & Medical Testing	70	19	38	50	(20)	-
13350	Other	50	5	10	50	-	0.00%
	Subtotal	\$ 1,770	\$ 1,669	\$ 3,338	\$ 2,350	\$ 580	32.77%
20100	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	147	294	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	5,000	25,621	51,242	5,000	-	0.00%
	Subtotal	\$ 5,000	\$ 25,768	\$ 51,536	\$ 5,000	\$ -	-
21100	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 1,100	\$ 808	\$ 1,077	\$ 1,200	\$ 100	9.09%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21253	Safety Programs/Supplies	4,700	541	1,082	-	(4,700)	-100.00%
21300	Authority Dues/Permits/Fees	4,800	3,408	6,816	3,936	(864)	-18.00%
21350	Laboratory Analysis	2,800	351	702	2,800	-	0.00%
21400	Utilities	20,000	11,233	22,466	23,000	3,000	15.00%
21420	General Other Services	-	-	-	-	-	-
21430	Governance & Strategic Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 33,400	\$ 16,341	\$ 32,143	\$ 30,936	\$ (2,464)	-7.38%
22000	Communication						
22100	Radio	\$ 300	\$ 188	\$ 376	\$ 250	\$ (50)	-16.67%
22150	Telephone & Data Service	2,950	-	-	5,400	2,450	83.05%
22200	Cell Phones, Wireless data	400	180	360	400	-	0.00%
	Subtotal	\$ 3,650	\$ 368	\$ 736	\$ 6,050	\$ 2,400	65.75%
31000	Information Technology						
31100	Computer Hardware	\$ 2,000	\$ -	\$ -	\$ 6,000	\$ 4,000	200.00%
31150	SCADA Maint. & Support	10,750	429	858	47,150	36,400	338.60%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software & Subscriptions	-	-	-	-	-	-
31300	Security Systems	2,400	-	-	1,600	(800)	-
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	-
	Subtotal	\$ 15,150	\$ 429	\$ 858	\$ 54,750	\$ 39,600	261.39%
33000	Supplies						
33100	Office Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	-
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage & Delivery	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 11,000	\$ 6,553	\$ 13,106	\$ 19,980	\$ 8,980	81.64%
41150	Building/land Lease, Rental	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials, Supplies & Tools	2,000	1,178	2,356	1,000	(1,000)	-50.00%
41450	Chemicals	1,000	12,603	25,206	5,000	4,000	400.00%
41500	Vehicle Maintenance	-	50	100	1,000	1,000	#DIV/0!
41550	Equipment Repair, Replace, Maint.	13,900	6,284	12,568	15,000	1,100	7.91%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41600	Instrumentation & Metering	2,000	-	-	500	(1,500)	-75.00%
41650	Fuel & Lubricants	1,400	486	972	1,200	(200)	-14.29%
41700	General Other Maintenance	13,200	7,316	14,632	10,000	(3,200)	-24.24%
Subtotal		\$ 44,500	\$ 34,470	\$ 68,940	\$ 53,680	\$ 9,180	20.63%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -	
81250	Equipment (over \$10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	3,500	1,750	3,500	3,500	-	0.00%
Subtotal		\$ 3,500	\$ 1,750	\$ 3,500	\$ 3,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 13,937	\$ 7,019	\$ 13,837	\$ 16,165	\$ 2,228	15.99%
95110	Finance & IT	26,853	13,295	17,663	35,842	8,989	
95300	Engineering Allocation	39,096	17,111	33,863	43,823	4,727	12.09%
95150	Maintenance Allocation	59,903	28,896	57,509	73,305	13,402	22.37%
95200	Laboratory Allocation	9,489	4,322	8,533	9,992	503	5.30%
Subtotal		\$ 149,278	\$ 70,643	\$ 131,405	\$ 179,127	\$ 29,849	20.00%
Depreciation		\$ 20,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ -	0.00%
Subtotal		\$ 20,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ -	0.00%
Total		\$ 408,114	\$ 231,304	\$ 450,267	\$ 495,527	\$ 87,413	21.42%

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Support Departments

Fiscal Year 2025-2026

Rivanna Water and Sewer Authority

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Administration Summary

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget Projected Revenues & Sources

Payment for Services SWA	\$ 364,200	\$ 182,100	\$ 364,200	\$ 417,000	14.50%
Bond Proceeds Funding Bond Issuance Costs	-	-	-	-	
Miscellaneous Revenue	-	5,753	5,753	-	
Total Operations Revenues	\$ 364,200	\$ 187,853	\$ 369,953	\$ 417,000	14.50%

Projected Expenses

Personnel Cost	\$ 1,348,563	\$ 670,366	\$ 1,316,644	\$ 1,657,525	22.91%
Professional Services	153,250	87,057	174,114	103,950	-32.17%
Other Services and Charges	161,100	85,838	169,971	162,450	0.84%
Communications	9,700	4,796	9,592	9,200	-5.15%
Information Technology	5,000	3,412	6,708	5,700	14.00%
Supplies	14,000	8,382	16,764	19,600	40.00%
Operations and Maintenance	57,250	25,431	50,862	66,050	15.37%
Equipment Purchases	9,000	4,500	9,000	9,000	0.00%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,757,863	\$ 889,782	\$ 1,753,655	\$ 2,033,475	15.68%

Department Summary

Total Revenues		\$ 364,200	\$ 187,853	\$ 369,953	\$ 417,000	14.50%
Total Expenses		1,757,863	889,782	1,753,655	2,033,475	15.68%
Net Costs Allocable to Rate Centers		\$ (1,393,663)	\$ (701,929)	\$ (1,383,702)	\$ (1,616,475)	15.99%
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 613,212	\$ 308,849	\$ 608,829	\$ 711,249	
Crozet Water	4.00%	55,747	28,077	55,348	64,659	
Scottsville Water	2.00%	27,873	14,039	27,674	32,330	
Urban Wastewater	48.00%	668,958	336,926	664,177	775,908	
Glenmore Wastewater	1.00%	13,937	7,019	13,837	16,165	
Scottsville Wastewater	1.00%	13,937	7,019	13,837	16,165	
	100.00%	\$ 1,393,664	\$ 701,929	\$ 1,383,702	\$ 1,616,476	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Administration

Object Code	Line Item	Adopted Budget	Six Month	Projected	Proposed	2026	2026
		FY 2024-2025	Actual 12/31/2024	Year end 6/30/2025	Budget FY 2025-2026	Variance \$	Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 993,200	\$ 485,132	\$ 970,264	\$ 1,229,350	\$ 236,150	23.78%
11010	Overtime & Holiday Pay	100	219	438	500	400	400.00%
12010	FICA	75,987	28,110	56,220	94,084	18,097	23.82%
12020	Health Insurance	131,100	78,953	142,587	152,900	21,800	16.63%
12026	Employee Assistance Program	150	65	130	320	170	113.33%
12030	Retirement	85,217	41,094	82,188	105,478	20,261	23.78%
12040	Life Insurance	13,309	5,350	10,700	16,473	3,164	23.77%
12050	Fitness Program	1,500	822	1,644	2,000	500	33.33%
12060	Worker's Comp Insurance	5,000	4,153	5,537	6,350	1,350	27.00%
	Subtotal	\$ 1,305,563	\$ 643,898	\$ 1,269,708	\$ 1,607,455	\$ 301,892	23.12%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 1,500	\$ 648	\$ 1,296	\$ 500	\$ (1,000)	-66.67%
13150	Education & Training	10,500	4,614	9,228	14,000	3,500	33.33%
13200	Travel & Lodging	2,500	609	1,218	5,000	2,500	100.00%
13250	Uniforms	1,500	768	1,536	2,500	1,000	66.67%
13325	Recruiting & Medical Testing	2,000	748	1,496	3,070	1,070	53.50%
13350	Other	25,000	19,081	32,162	25,000	-	0.00%
	Subtotal	\$ 43,000	\$ 26,468	\$ 46,936	\$ 50,070	\$ 7,070	16.44%
	Professional Services						
20100	Legal Fees	\$ 60,000	\$ 15,361	\$ 30,722	\$ 45,000	\$ (15,000)	-25.00%
20200	Financial & Admin. Services	63,250	71,696	143,392	48,950	(14,300)	-22.61%
20250	Bond Issue Costs	-	-	-	-	-	0.00%
20300	Engineering & Technical Services	30,000	-	-	10,000	(20,000)	0.00%
	Subtotal	\$ 153,250	\$ 87,057	\$ 174,114	\$ 103,950	\$ (49,300)	-32.17%
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 3,500	\$ 2,558	\$ 3,411	\$ 7,400	\$ 3,900	111.43%
21150	Advertising & Communication	18,500	52,279	104,558	32,200	13,700	74.05%
21250	Watershed Management	-	-	-	-	-	-
21253	Safety Programs/Supplies	15,000	973	1,946	10,250	(4,750)	-31.67%
21300	Authority Dues/Permits/Fees	-	269	538	1,500	1,500	#DIV/0!
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	1,600	945	1,890	1,600	-	0.00%
21420	General Other Services	102,500	27,814	55,628	87,000	(15,500)	-15.12%
21430	Governance & Strategic Support	20,000	1,000	2,000	22,500	2,500	12.50%
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 161,100	\$ 85,838	\$ 169,971	\$ 162,450	\$ 1,350	0.84%
22000	Communication						
22100	Radio	\$ 2,200	\$ 564	\$ 1,128	\$ 1,700	\$ (500)	-22.73%
22150	Telephone & Data Service	-	1,487	2,974	-	-	#DIV/0!
22200	Cell Phones, Wireless data	7,500	2,745	5,490	7,500	-	0.00%
	Subtotal	\$ 9,700	\$ 4,796	\$ 9,592	\$ 9,200	\$ (500)	-5.15%
31000	Information Technology						
31100	Computer Hardware	\$ -	\$ 274	\$ 548	\$ -	\$ -	#DIV/0!
31150	SCADA Maint. & Support	-	1,422	2,844	-	-	#DIV/0!
31200	Maintenance & Support Services	5,000	1,658	3,316	5,200	200	4.00%
31250	Software & Subscriptions	-	-	-	-	-	#DIV/0!
31300	Security Systems	-	58	116	500	500	-
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	-
	Subtotal	\$ 5,000	\$ 3,412	\$ 6,708	\$ 5,700	\$ 700	14.00%
33000	Supplies						
33100	Office Supplies	\$ 10,000	\$ 3,878	\$ 7,756	\$ 12,100	\$ 2,100	21.00%
33150	Subscriptions/Reference Material	-	722	1,444	-	-	#DIV/0!
33350	Postage & Delivery	4,000	3,782	7,564	7,500	3,500	87.50%
	Subtotal	\$ 14,000	\$ 8,382	\$ 16,764	\$ 19,600	\$ 5,600	40.00%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 45,000	\$ 16,941	\$ 33,882	\$ 47,800	\$ 2,800	6.22%
41150	Building/land Lease, Rental	6,500	2,511	5,022	7,500	1,000	15.38%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials, Supplies & Tools	750	130	260	750	-	0.00%
41450	Chemicals	-	-	-	-	-	-
41500	Vehicle Maintenance	3,000	2,126	4,252	3,000	-	0.00%
41550	Equipment Repair, Replace, Maint.	-	-	-	-	-	-
41600	Instrumentation & Metering	-	-	-	-	-	-

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Administration

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41650	Fuel & Lubricants	2,000	3,723	7,446	7,000	5,000	250.00%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 57,250	\$ 25,431	\$ 50,862	\$ 66,050	\$ 8,800	15.37%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -	-
81250	Equipment (over \$10,000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	9,000	4,500	9,000	9,000	-	0.00%
Subtotal		\$ 9,000	\$ 4,500	\$ 9,000	\$ 9,000	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95110	Finance & IT	-	-	-	-	-	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	\$ -	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,757,863	\$ 889,782	\$ 1,753,655	\$ 2,033,475	\$ 275,612	15.68%

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Finance & IT Summary

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget
Projected Revenues & Sources

Payment for Services SWA	\$ 541,000	\$ 270,500	\$ 541,000	581,000	7.39%
Bond Proceeds Funding Bond Issuance Costs	-	748,983	748,983	-	
Miscellaneous Revenue	-	-	-	-	
Total Operations Revenues	\$ 541,000	\$ 1,019,483	\$ 1,289,983	\$ 581,000	7.39%

Projected Expenses

Personnel Cost	\$ 2,083,478	\$ 1,063,886	\$ 2,112,804	\$ 2,411,907	15.76%
Professional Services	42,000	771,578	794,173	47,000	11.90%
Other Services and Charges	46,000	27,903	54,101	55,200	20.00%
Communications	65,000	36,403	72,806	73,900	13.69%
Information Technology	962,850	435,703	-	1,550,650	61.05%
Supplies	14,500	4,833	9,666	14,000	-3.45%
Operations and Maintenance	5,000	4,879	5,272	5,000	0.00%
Equipment Purchases	7,500	3,750	7,500	7,500	0.00%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 3,226,328	\$ 2,348,935	\$ 3,056,322	\$ 4,165,157	29.10%

Department Summary					
Total Revenues	\$ 541,000	\$ 1,019,483	\$ 1,289,983	\$ 581,000	
Total Expenses	3,226,328	2,348,935	3,056,322	4,165,157	
Net Costs Allocable to Rate Centers	\$ (2,685,328)	\$ (1,329,452)	\$ (1,766,339)	\$ (3,584,157)	
Allocations to the Rate Centers					
Urban Water	44.00%	\$ 1,181,544	\$ 584,959	\$ 777,189	\$ 1,577,029
Crozet Water	4.00%	107,413	53,178	70,654	143,366
Scottsville Water	2.00%	53,707	26,589	35,327	71,683
Urban Wastewater	48.00%	1,288,957	638,137	847,843	1,720,395
Glenmore Wastewater	1.00%	26,853	13,295	17,663	35,842
Scottsville Wastewater	1.00%	26,853	13,295	17,663	35,842
	100.00%	\$ 2,685,327	\$ 1,329,453	\$ 1,766,339	\$ 3,584,157

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Finance & IT

Expense Detail						2025	2025
Department: Finance & IT						vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
10000	Salaries & Benefits						
11000	Salaries	\$ 1,543,700	\$ 766,934	\$ 1,533,868	\$ 1,742,800	\$ 199,100	12.90%
11010	Overtime & Holiday Pay	-	113	226	1,000	1,000	
12010	FICA	118,093	54,946	109,892	133,401	15,308	12.96%
12020	Health Insurance	217,400	148,225	284,769	296,500	79,100	36.38%
12026	Employee Assistance Program	150	130	260	150	-	0.00%
12030	Retirement	132,449	70,381	140,762	149,532	17,083	12.90%
12040	Life Insurance	20,686	8,981	17,962	23,354	2,668	12.90%
12050	Fitness Program	1,500	562	1,124	1,500	-	0.00%
12060	Worker's Comp Insurance	6,000	4,931	6,575	7,400	1,400	23.33%
Subtotal		\$ 2,039,978	\$ 1,055,203	\$ 2,095,438	\$ 2,355,637	\$ 315,659	15.47%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 2,000	\$ 255	\$ 510	\$ 2,000	\$ -	0.00%
13150	Education & Training	27,000	5,805	11,610	27,000	-	0.00%
13200	Travel & Lodging	8,000	1,609	3,218	15,000	7,000	87.50%
13250	Uniforms	5,000	880	1,760	10,500	5,500	110.00%
13325	Recruiting & Medical Testing	500	54	108	770	270	54.00%
13350	Other	1,000	80	160	1,000	-	0.00%
Subtotal		\$ 43,500	\$ 8,683	\$ 17,366	\$ 56,270	\$ 12,770	29.36%
20100	Professional Services						
20100	Legal Fees	\$ 5,000	\$ 6,650	\$ 13,300	\$ 10,000	\$ 5,000	100.00%
20200	Financial & Admin. Services	37,000	15,945	31,890	37,000	-	0.00%
20250	Bond Issue Costs	-	748,983	748,983	-	-	
20300	Engineering & Technical Services	-	-	-	-	-	
Subtotal		\$ 42,000	\$ 771,578	\$ 794,173	\$ 47,000	\$ 5,000	11.90%
21100	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 3,500	\$ 2,558	\$ 3,411	\$ 3,500	\$ -	0.00%
21150	Advertising & Communication	-	247	494	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	-	-	-	4,700	4,700	
21300	Authority Dues/Permits/Fees	42,500	25,098	50,196	47,000	4,500	10.59%
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
Subtotal		\$ 46,000	\$ 27,903	\$ 54,101	\$ 55,200	\$ 9,200	20.00%
22000	Communication						
22100	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	
22150	Telephone & Data Service	55,000	29,756	59,512	60,900	5,900	10.73%
22200	Cell Phones, Wireless data	10,000	6,647	13,294	13,000	3,000	30.00%
Subtotal		\$ 65,000	\$ 36,403	\$ 72,806	\$ 73,900	\$ 8,900	13.69%
31000	Information Technology						
31100	Computer Hardware	\$ 186,250	\$ 42,526	\$ 85,052	\$ 331,250	\$ 145,000	77.85%
31150	SCADA Maint. & Support	104,000	34,362	68,724	296,500	192,500	185.10%
31200	Maintenance & Support Services	283,500	193,934	387,868	410,400	126,900	44.76%
31250	Software & Subscriptions	299,100	162,458	324,916	422,500	123,400	41.26%
31300	Security Systems	90,000	2,423	4,846	90,000	-	0.00%
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
Subtotal		\$ 962,850	\$ 435,703	\$ 866,560	\$ 1,550,650	\$ 587,800	61.05%
33000	Supplies						
33100	Office Supplies	\$ 7,500	\$ 4,671	\$ 9,342	\$ 7,500	\$ -	0.00%
33150	Subscriptions/Reference Material	1,000	-	-	500	(500)	-50.00%
33350	Postage & Delivery	6,000	162	324	6,000	-	0.00%
Subtotal		\$ 14,500	\$ 4,833	\$ 9,666	\$ 14,000	\$ (500)	-3.45%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ -	\$ 4,743	\$ 5,000	\$ -	\$ -	0.00%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	-	-	-	-	-	

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Finance & IT

Expense Detail							2025	2025
Department: Finance & IT			Current Year Activity				vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %	
41450	Chemicals	-	-	-	-	-		
41500	Vehicle Maintenance	3,000	136	272	3,000	-	0.00%	
41550	Equipment Repair, Replace, Maint.	-	-	-	-	-		
41600	Instrumentation & Metering	-	-	-	-	-		
41650	Fuel & Lubricants	2,000	-	-	2,000	-	0.00%	
41700	General Other Maintenance	-	-	-	-	-		
Subtotal		\$ 5,000	\$ 4,879	\$ 5,272	\$ 5,000	\$ -	0.00%	
81000	Equipment Purchases							
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -		
81250	Equipment (over \$10,000)	-	-	-	-	-		
81300	Vehicle Replacement Fund	7,500	3,750	7,500	7,500	-	0.00%	
Subtotal		\$ 7,500	\$ 3,750	\$ 7,500	\$ 7,500	\$ -	0.00%	
95000	Allocations from Departments							
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -		
95110	Finance & IT	-	-	-	-	-		
95300	Engineering Allocation	-	-	-	-	-		
95150	Maintenance Allocation	-	-	-	-	-		
95200	Laboratory Allocation	-	-	-	-	-		
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -		
Depreciation		-	-	-	-	-		
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -		
Total		\$ 3,226,328	\$ 2,348,935	\$ 3,922,882	\$ 4,165,157	\$ 938,829	29.10%	

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Maintenance Summary

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget

Projected Revenues

Miscellaneous Revenue	\$ -	\$ 6,858	\$ 13,716	\$ -	
Payment for Services SWA	-	-	-	-	
Total Operations Revenues	\$ -	\$ 6,858	\$ 13,716	\$ -	

Projected Expenses

Personnel Cost	\$ 1,645,860	\$ 810,412	\$ 1,600,365	\$ 1,836,099	11.56%
Professional Services	10,000	-	-	10,000	
Other Services and Charges	29,140	18,753	33,557	40,350	38.47%
Communications	16,200	11,208	22,416	20,000	23.46%
Information Technology	7,500	554	1,108	7,500	0.00%
Supplies	3,500	-	-	3,500	0.00%
Operations and Maintenance	138,800	64,120	128,240	130,300	-6.12%
Equipment Purchases	145,750	65,000	145,000	395,750	171.53%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,996,750	\$ 970,047	\$ 1,930,686	\$ 2,443,499	22.37%

Department Summary

Total Revenues		\$ -	\$ 6,858	\$ 13,716	\$ -
Total Expenses		1,996,750	970,047	1,930,686	2,443,499
Net Costs Allocable to Rate Centers		\$ (1,996,750)	\$ (963,189)	\$ (1,916,970)	\$ (2,443,499)
Allocations to the Rate Centers					
Urban Water	30.00%	\$ 599,025	\$ 288,957	\$ 575,091	\$ 733,050
Crozet Water	3.50%	69,886	33,712	67,094	85,522
Scottsville Water	3.50%	69,886	33,712	67,094	85,522
		-	-	-	-
Urban Wastewater	56.50%	1,128,164	544,202	1,083,088	1,380,577
Glenmore Wastewater	3.50%	69,886	33,712	67,094	85,522
Scottsville Wastewater	3.00%	59,903	28,896	57,509	73,305
	100.00%	\$ 1,996,750	\$ 963,191	\$ 1,916,970	\$ 2,443,498

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Maintenance

Expense Detail			Current Year Activity			2025	2025
Department: Maintenance						vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 1,127,800	\$ 555,028	\$ 1,110,056	\$ 1,257,900	\$ 130,100	11.54%
11010	Overtime & Holiday Pay	15,500	8,043	16,086	15,500	-	0.00%
12010	FICA	87,462	41,679	83,358	97,415	9,953	11.38%
12020	Health Insurance	246,800	128,958	246,916	271,400	24,600	9.97%
12026	Employee Assistance Program	275	124	248	275	-	0.00%
12030	Retirement	96,765	45,285	90,570	107,928	11,163	11.54%
12040	Life Insurance	15,113	6,138	12,276	16,856	1,743	11.53%
12050	Fitness Program	-	-	-	-	-	0.00%
12060	Worker's Comp Insurance	17,200	14,188	18,917	18,100	900	5.23%
Subtotal		\$ 1,606,915	\$ 799,443	\$ 1,578,427	\$ 1,785,374	\$ 178,459	11.11%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 375	\$ -	\$ -	\$ 375	\$ -	0.00%
13150	Education & Training	24,200	5,089	10,178	31,500	7,300	30.17%
13200	Travel & Lodging	650	-	-	650	-	0.00%
13250	Uniforms	11,720	5,772	11,544	13,400	1,680	14.33%
13325	Recruiting & Medical Testing	1,000	64	128	3,800	2,800	280.00%
13350	Other	1,000	44	88	1,000	-	0.00%
Subtotal		\$ 38,945	\$ 10,969	\$ 21,938	\$ 50,725	\$ 11,780	30.25%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	10,000	-	-	10,000	-	
Subtotal		\$ 10,000	\$ -	\$ -	\$ 10,000	\$ -	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 8,140	\$ 5,923	\$ 7,897	\$ 7,700	\$ (440)	-5.41%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	17,000	11,738	23,476	28,650	11,650	68.53%
21300	Authority Dues/Permits/Fees	-	-	-	-	-	
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	
21420	General Other Services	4,000	1,092	2,184	4,000	-	0.00%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
Subtotal		\$ 29,140	\$ 18,753	\$ 33,557	\$ 40,350	\$ 11,210	38.47%
Communication							
22000	Radio	\$ 500	\$ 3,007	\$ 6,014	\$ 3,000	\$ 2,500	500.00%
22150	Telephone & Data Service	500	-	-	800	300	60.00%
22200	Cell Phones, Wireless data	15,200	8,201	16,402	16,200	1,000	6.58%
Subtotal		\$ 16,200	\$ 11,208	\$ 22,416	\$ 20,000	\$ 3,800	23.46%
Information Technology							
31000	Computer Hardware	\$ 5,000	\$ -	\$ -	\$ -	\$ (5,000)	-100.00%
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	-	554	1,108	-	-	#DIV/0!
31250	Software & Subscriptions	2,500	-	-	7,500	5,000	200.00%
31300	Security Systems	-	-	-	-	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
Subtotal		\$ 7,500	\$ 554	\$ 1,108	\$ 7,500	\$ -	0.00%
Supplies							
33000	Office Supplies	\$ 3,500	\$ -	\$ -	\$ 3,500	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
Subtotal		\$ 3,500	\$ -	\$ -	\$ 3,500	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 22,950	\$ 4,928	\$ 9,856	\$ 13,450	\$ (9,500)	-41.39%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	5,000	3,931	7,862	6,000	1,000	20.00%
41400	Materials, Supplies & Tools	31,000	13,826	27,652	31,000	-	0.00%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	13,000	4,815	9,630	13,000	-	0.00%
41550	Equipment Repair, Replace, Maint.	26,850	22,689	45,378	26,850	-	0.00%
41600	Instrumentation & Metering	10,000	2,175	4,350	10,000	-	0.00%
41650	Fuel & Lubricants	30,000	11,756	23,512	30,000	-	0.00%
41700	General Other Maintenance	-	-	-	-	-	
Subtotal		\$ 138,800	\$ 64,120	\$ 128,240	\$ 130,300	\$ (8,500)	-6.12%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Maintenance

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$	2025 vs. 2026 Variance %
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
81000	Equipment Purchases						
81200	Rental & Leases	\$ 750	\$ -	\$ -	\$ 750	\$ -	0.00%
81250	Equipment (over \$10,000)	15,000	-	15,000	265,000	250,000	1666.67%
81300	Vehicle Replacement Fund	130,000	65,000	130,000	130,000	-	0.00%
	Subtotal	\$ 145,750	\$ 65,000	\$ 145,000	\$ 395,750	\$ 250,000	171.53%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	
95110	Finance & IT	-	-	-	-	-	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
	Depreciation	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
	Total	\$ 1,996,750	\$ 970,047	\$ 1,930,686	\$ 2,443,499	\$ 446,749	22.37%

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Laboratory Summary

FY 2025			FY 2026	Budget % Change
<i>Budgeted FY 2025</i>	Actual for 6 months	Projected 12 months	<i>Proposed Budget</i>	

Operations Budget

Projected Revenues

N/A

Projected Expenses

Personnel Cost	\$ 463,225	\$ 231,340	\$ 456,296	\$ 503,003	8.59%
Professional Services	-	-	-	-	
Other Services and Charges	9,550	466	663	9,800	2.62%
Communications	1,050	351	-	800	-23.81%
Information Technology	-	743	1,486	-	#DIV/0!
Supplies	1,300	190	380	2,300	76.92%
Operations and Maintenance	133,600	53,033	106,066	146,357	9.55%
Equipment Purchases	23,900	1,978	3,956	3,900	-83.68%
Depreciation	-	-	-	-	
<i>Total Operations Expenses</i>	\$ 632,625	\$ 288,101	\$ 568,847	\$ 666,160	5.30%

Department Summary					
Total Revenues	\$ -	\$ -	\$ -	\$ -	
Total Expenses	632,625	288,101	568,847	666,160	5.30%
Net Costs Allocable to Rate Centers	\$ (632,625)	\$ (288,101)	\$ (568,847)	\$ (666,160)	
<u>Allocations to the Rate Centers</u>					
Urban Water	44.00%	\$ 278,355	\$ 126,764	\$ 250,293	\$ 293,110
Crozet Water	4.00%	25,305	11,524	22,754	26,646
Scottsville Water	2.00%	12,653	5,762	11,377	13,323
		-	-	-	
Urban Wastewater	47.00%	297,334	135,407	267,358	313,095
Glenmore Wastewater	1.50%	9,489	4,322	8,533	9,992
Scottsville Wastewater	1.50%	9,489	4,322	8,533	9,992
	100.00%	\$ 632,625	\$ 288,101	\$ 568,848	\$ 666,158

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$	2025 vs. 2026 Variance %
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
10000	Salaries & Benefits						
11000	Salaries	\$ 331,100	\$ 168,742	\$ 337,484	\$ 352,900	\$ 21,800	6.58%
11010	Overtime & Holiday Pay	2,500	2,035	4,070	7,300	4,800	192.00%
12010	FICA	25,520	12,720	25,440	27,555	2,035	7.97%
12020	Health Insurance	61,700	25,347	47,194	67,900	6,200	10.05%
12026	Employee Assistance Program	60	36	72	70	10	16.67%
12030	Retirement	28,408	14,031	28,062	30,279	1,871	6.59%
12040	Life Insurance	4,437	1,955	3,910	4,729	292	6.58%
12050	Fitness Program	-	260	520	500	500	#DIV/0!
12060	Worker's Comp Insurance	5,300	4,326	5,768	5,600	300	5.66%
	Subtotal	\$ 459,025	\$ 229,452	\$ 452,520	\$ 496,833	\$ 37,808	8.24%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 100	\$ -	\$ -	\$ 200	\$ 100	100.00%
13150	Education & Training	2,000	100	200	3,500	1,500	75.00%
13200	Travel & Lodging	500	1,381	2,762	1,000	500	100.00%
13250	Uniforms	800	353	706	500	(300)	-37.50%
13325	Recruiting & Medical Testing	500	54	108	870	370	0.00%
13350	Other	300	-	-	100	(200)	-66.67%
	Subtotal	\$ 4,200	\$ 1,888	\$ 3,776	\$ 6,170	\$ 1,970	46.90%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 550	\$ 404	\$ 539	\$ 500	\$ (50)	-9.09%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	1,000	-	-	1,300	300	30.00%
21300	Authority Dues/Permits/Fees	5,500	-	-	6,000	500	9.09%
21350	Laboratory Analysis	2,500	62	124	1,500	(1,000)	-40.00%
21400	Utilities	-	-	-	-	-	
21420	General Other Services	-	-	-	500	500	#DIV/0!
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 9,550	\$ 466	\$ 663	\$ 9,800	\$ 250	2.62%
22000	Communication						
22100	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	
22150	Telephone & Data Service	-	-	-	-	-	
22200	Cell Phones, Wireless data	1,050	351	702	800	(250)	-23.81%
	Subtotal	\$ 1,050	\$ 351	\$ 702	\$ 800	\$ (250)	
31000	Information Technology						
31100	Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	-	743	1,486	-	-	#DIV/0!
31250	Software & Subscriptions	-	-	-	-	-	
31300	Security Systems	-	-	-	-	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	\$ -	\$ 743	\$ 1,486	\$ -	\$ -	#DIV/0!
33000	Supplies						
33100	Office Supplies	\$ 1,200	\$ 136	\$ 272	\$ 2,000	\$ 800	66.67%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	100	54	108	300	200	200.00%
	Subtotal	\$ 1,300	\$ 190	\$ 380	\$ 2,300	\$ 1,000	76.92%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ -	\$ 111	\$ 222	\$ -	\$ -	
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	80,000	37,802	75,604	50,000	(30,000)	-37.50%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41450	Chemicals	5,000	2,052	4,104	3,000	(2,000)	-40.00%
41500	Vehicle Maintenance	2,500	-	-	1,000	(1,500)	
41550	Equipment Repair, Replace, Maint.	6,000	2,045	4,090	35,000	29,000	483.33%
41600	Instrumentation & Metering	39,300	10,698	21,396	56,457	17,157	43.66%
41650	Fuel & Lubricants	800	325	650	900	100	12.50%
41700	General Other Maintenance	-	-	-	-	-	
Subtotal		\$ 133,600	\$ 53,033	\$ 106,066	\$ 146,357	\$ 12,757	9.55%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ 28	\$ 56	\$ -	\$ -	
81250	Equipment (over \$10,000)	20,000	-	-	-	(20,000)	
81300	Vehicle Replacement Fund	3,900	1,950	3,900	3,900	-	0.00%
Subtotal		\$ 23,900	\$ 1,978	\$ 3,956	\$ 3,900	\$ (20,000)	-83.68%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	
95110	Finance & IT	-	-	-	-	-	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Depreciation		-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 632,625	\$ 288,101	\$ 569,549	\$ 666,160	\$ 33,535	5.30%

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Engineering Summary

FY 2025			FY 2026	Budget % Change
Budgeted FY 2025	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget

Projected Revenues

Payment for Services SWA

\$ - \$ 7,199 \$ 14,398 \$ -

Total Operations Revenues

\$ - \$ 7,199 \$ 14,398 \$ -

Projected Expenses

Personnel Cost

\$ 2,216,684 \$ 1,012,863 \$ 2,004,057 \$ 2,407,282 8.60%

Professional Services

32,500 3,885 7,770 142,000 336.92%

Other Services and Charges

20,465 5,173 8,013 26,875 31.32%

Communications

15,150 8,281 16,562 20,628 36.16%

Information Technology

211,900 75,809 151,618 220,230 3.93%

Supplies

5,600 3,530 7,060 6,700 19.64%

Operations and Maintenance

82,620 27,669 55,338 76,338 -7.60%

Equipment Purchases

21,500 10,750 21,500 21,500 0.00%

Depreciation

- - - -

Total Operations Expenses

\$ 2,606,419 \$ 1,147,960 \$ 2,271,918 \$ 2,921,553 12.09%

Department Summary

Total Revenues

\$ - \$ 7,199 \$ 14,398 \$ -

Total Expenses

2,606,419 1,147,960 2,271,918 2,921,553 12.09%

Net Costs Allocable to Rate Centers

\$ (2,606,419) \$ (1,140,761) \$ (2,257,520) \$ (2,921,553)

Allocations to the Rate Centers

Urban Water

47.00% \$ 1,225,017 \$ 536,158 \$ 1,061,034 \$ 1,373,130

Crozet Water

4.00% 104,257 45,630 90,301 116,862

Scottsville Water

2.00% 52,128 22,815 45,150 58,431

Urban Wastewater

44.00% 1,146,824 501,935 993,309 1,285,483

Glenmore Wastewater

1.50% 39,096 17,111 33,863 43,823

Scottsville Wastewater

1.50% 39,096 17,111 33,863 43,823

100.00% \$ 2,606,418 \$ 1,140,760 \$ 2,257,520 \$ 2,921,552

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025 vs. 2026 Variance \$	2025 vs. 2026 Variance %
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025			
10000	Salaries & Benefits						
11000	Salaries	\$ 1,645,000	\$ 767,277	\$ 1,534,554	\$ 1,737,200	\$ 92,200	5.60%
11010	Overtime & Holiday Pay	13,000	3,360	6,720	12,000	(1,000)	-7.69%
12010	FICA	126,837	56,006	112,012	133,814	6,977	5.50%
12020	Health Insurance	232,100	80,355	151,210	266,434	34,334	14.79%
12026	Employee Assistance Program	250	112	224	230	(20)	-8.00%
12030	Retirement	138,016	69,784	139,568	145,751	7,735	5.60%
12040	Life Insurance	19,576	8,597	17,194	20,673	1,097	5.60%
12050	Fitness Program	4,300	1,125	2,250	2,500	(1,800)	-41.86%
12060	Worker's Comp Insurance	-	18,254	24,339	24,200	24,200	0.00%
	Subtotal	\$ 2,179,079	\$ 1,004,870	\$ 1,988,071	\$ 2,342,802	\$ 163,723	7.51%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 3,250	\$ 965	\$ 1,930	\$ 6,080	\$ 2,830	87.08%
13150	Education & Training	15,680	3,736	7,472	32,650	16,970	108.23%
13200	Travel & Lodging	13,200	2,748	5,496	17,000	3,800	28.79%
13250	Uniforms	4,375	-	-	5,150	775	17.71%
13325	Recruiting & Medical Testing	500	49	98	1,600	1,100	220.00%
13350	Other	600	495	990	2,000	1,400	233.33%
	Subtotal	\$ 37,605	\$ 7,993	\$ 15,986	\$ 64,480	\$ 26,875	71.47%
	Professional Services						
20100	Legal Fees	\$ 5,000	\$ -	\$ -	\$ 5,000	\$ -	0.00%
20200	Financial & Admin. Services	2,500	2,475	4,950	2,500	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	25,000	1,410	2,820	134,500	109,500	438.00%
	Subtotal	\$ 32,500	\$ 3,885	\$ 7,770	\$ 142,000	\$ 109,500	336.92%
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 4,840	\$ 3,500	\$ 4,667	\$ 4,800	\$ (40)	-0.83%
21150	Advertising & Communication	200	349	698	2,000	1,800	900.00%
21250	Watershed Management	-	-	-	-	-	-
21253	Safety Programs/Supplies	6,675	655	1,310	11,575	4,900	73.41%
21300	Authority Dues/Permits/Fees	1,500	-	-	1,500	-	0.00%
21350	Laboratory Analysis	250	151	302	-	(250)	-100.00%
21400	Utilities	2,000	518	1,036	2,000	-	0.00%
21420	General Other Services	-	-	-	-	-	-
21430	Governance & Strategic Support	5,000	-	-	5,000	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 20,465	\$ 5,173	\$ 8,013	\$ 26,875	\$ 6,410	31.32%
22000	Communication						
22100	Radio	\$ 1,000	\$ 2,067	\$ 4,134	\$ 3,000	\$ 2,000	200.00%
22150	Telephone & Data Service	750	-	-	1,500	750	100.00%
22200	Cell Phones, Wireless data	13,400	6,214	12,428	16,128	2,728	20.36%
	Subtotal	\$ 15,150	\$ 8,281	\$ 16,562	\$ 20,628	\$ 5,478	36.16%
31000	Information Technology						
31100	Computer Hardware	\$ 2,000	\$ 30	\$ 60	\$ -	\$ (2,000)	-100.00%
31150	SCADA Maint. & Support	-	-	-	-	-	-
31200	Maintenance & Support Services	16,800	1,275	2,550	6,800	(10,000)	-59.52%
31250	Software & Subscriptions	49,700	74,504	149,008	48,890	(810)	-1.63%
31300	Security Systems	39,200	-	-	14,500	(24,700)	-
31325	Asset Mgt / Project Mgt Systems	104,200	-	-	150,040	45,840	-
	Subtotal	\$ 211,900	\$ 75,809	\$ 151,618	\$ 220,230	\$ 8,330	3.93%
33000	Supplies						
33100	Office Supplies	\$ 3,500	\$ 2,199	\$ 4,398	\$ 4,200	\$ 700	20.00%
33150	Subscriptions/Reference Material	1,500	618	1,236	1,500	-	0.00%
33350	Postage & Delivery	600	713	1,426	1,000	400	66.67%
	Subtotal	\$ 5,600	\$ 3,530	\$ 7,060	\$ 6,700	\$ 1,100	19.64%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 14,240	\$ 3,890	\$ 7,780	\$ 14,240	\$ -	0.00%
41150	Building/land Lease, Rental	2,100	895	1,790	2,340	240	11.43%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	16,280	5,908	11,816	17,358	1,078	6.62%
41400	Materials, Supplies & Tools	15,000	6,773	13,546	16,200	1,200	8.00%
41450	Chemicals	-	-	-	-	-	-
41500	Vehicle Maintenance	24,000	5,075	10,150	15,000	(9,000)	-37.50%
41550	Equipment Repair, Replace, Maint.	1,400	493	986	1,600	200	14.29%

Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41600	Instrumentation & Metering	-	-	-	-	-	
41650	Fuel & Lubricants	9,600	4,635	9,270	9,600	-	0.00%
41700	General Other Maintenance	-	-	-	-	-	
Subtotal		\$ 82,620	\$ 27,669	\$ 55,338	\$ 76,338	\$ (6,282)	-7.60%
81000	Equipment Purchases						
81200	Rental & Leases	\$ -	\$ -	\$ -	\$ -	\$ -	
81250	Equipment (over \$10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	21,500	10,750	21,500	21,500	-	0.00%
Subtotal		\$ 21,500	\$ 10,750	\$ 21,500	\$ 21,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	
95110	Finance & IT	-	-	-	-	-	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Depreciation		-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 2,606,419	\$ 1,147,960	\$ 2,271,918	\$ 2,921,553	\$ 315,134	12.09%

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APPENDICES

Rivanna Water and Sewer Authority

Fiscal Year 2025-2026

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Flow Projections

		(1,000 GALLONS)			(MILLION GALLONS PER DAY)		
		<u>FY 2025</u>	<u>FY 2026</u>	<u>% Change</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>% Change</u>
Water							
	Urban	3,397,700	3,397,700	0.00%	9.309	9.309	0.00%
	Crozet	202,697	202,697	0.00%	0.555	0.555	0.00%
	Scottsville	17,230	17,230	0.00%	0.047	0.047	0.00%
Total		<u>3,617,627</u>	<u>3,617,627</u>	<u>0.00%</u>	<u>9.911</u>	<u>9.911</u>	<u>0.00%</u>
Wastewater							
	Urban	3,390,400	3,390,400	0.00%	9.289	9.289	0.00%
	Glenmore	41,401	41,401	0.00%	0.113	0.113	0.00%
	Scottsville	23,643	23,643	0.00%	0.065	0.065	0.00%
Total		<u>3,455,444</u>	<u>3,455,444</u>	<u>0.00%</u>	<u>9.467</u>	<u>9.467</u>	<u>0.00%</u>

Allocation (Urban Area Only)	<u>FY 2025</u>	<u>FY 2026</u>	<u>Allocation % Change</u>
<u>Water</u>			
City	49%	48%	-2.04%
ACSA	51%	52%	1.96%
<u>Wastewater</u>			
City	47%	46%	-2.13%
ACSA	53%	54%	1.89%

FY 2026 allocations are based on FY 2024 retail flows reported by the City and ACSA.

		(1,000 GALLONS)			(MILLION GALLONS PER DAY)		
		<u>FY 2025</u>	<u>FY 2026</u>	<u>% Change</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>% Change</u>
Allocation (Urban Area Only)							
<u>Water</u>							
	City	1,664,873	1,630,896	-2.04%	4.561	4.468	-2.04%
	ACSA	1,732,827	1,766,804	1.96%	4.747	4.841	1.98%
		<u>3,397,700</u>	<u>3,397,700</u>				
<u>Wastewater</u>							
	City	1,593,488	1,559,584	-2.13%	4.366	4.273	-2.13%
	ACSA	1,796,912	1,830,816	1.89%	4.923	5.016	1.89%
		<u>3,390,400</u>	<u>3,390,400</u>				

URBAN WATER DEBT SERVICE COSTS

Summary of Debt Service Budget to be included in Monthly Charges

City Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2026	City %	City Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
14.2% of 2015B Bond - New Projects	\$	239,847	48.00%	\$ 115,127	115,127
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(200,000)	48.00%	(96,000)	
Use of Reserves		-	FIXED	-	
Lease Revenues		(10,000)	48.00%	(4,800)	(100,800)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,341,194	15.00%	201,179	
9.0% of 2015B Bond - Refunding		142,910	15.00%	21,437	
<i>Water Pipeline (20%/80%)</i>					
10.4% of 2018 Bond		162,366	20.00%	32,473	
8.1% of 2024 Bond		434,145	20.00%	86,829	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.4% of 2015B Bond - Refunding		752,660	48.00%	361,277	
77.8% of 2015B Bond - New Projects		1,314,091	48.00%	630,764	
37.7% of 2018 Bond		1,037,340	48.00%	497,923	
66.6% of 2021 Bond		1,269,710	48.00%	609,461	
23.8% of 2024 Bond		1,275,636	48.00%	612,305	
<i>South Rivanna Expansion of 1999</i>					
10.3% of 2015B Bond - Refunding		163,553	0.00%	-	3,053,648
<i>2020 Obs / RM Pump St Agreement</i>					
5.5% of 2024 Bond		294,790	28.00%	82,541	82,541
<i>Northern Area Agreement</i>					
25% of 2021 Bond		476,618	0.00%	-	-
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
<i>CIP Growth Charge from 2025-2029 CIP</i>		6,638,800	FIXED	2,273,600	2,273,600
<i>Debt Service Coverage Ratio / Policy Charge</i>		400,000	35.00%	140,000	140,000
Total Debt Service For Rate Computation	\$	15,733,660		\$ 5,564,116	\$ 5,564,116

6,638,800

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2026	ACSA %	ACSA Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
14.2% of 2015B Bond - New Projects	\$	239,847	52.00%	\$ 124,720	124,720
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(200,000)	52.00%	(104,000)	
Use of Reserves		-	FIXED	-	
Lease Revenues		(10,000)	52.00%	(5,200)	(109,200)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,341,194	85.00%	1,140,015	
9.0% of 2015B Bond - Refunding		142,910	85.00%	121,474	
<i>Water Pipeline (20%/80%)</i>					
10.4% of 2018 Bond		162,366	80.00%	129,893	
8.1% of 2024 Bond		434,145	80.00%	347,316	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.4% of 2015B Bond - Refunding		752,660	52.00%	391,383	
77.8% of 2015B Bond - New Projects		1,314,091	52.00%	683,327	
37.7% of 2018 Bond		1,037,340	52.00%	539,417	
66.6% of 2021 Bond		1,269,710	52.00%	660,249	
23.8% of 2024 Bond		1,275,636	52.00%	663,331	
<i>South Rivanna Expansion of 1999</i>					
10.3% of 2015B Bond - Refunding		163,553	100.00%	163,553	4,839,958
<i>2020 Obs / RM Pump St Agreement</i>					
5.5% of 2024 Bond		294,790	72.00%	212,249	212,249
<i>Northern Area Agreement</i>					
25% of 2021 Bond		476,618	100.00%	476,618	476,618
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
<i>CIP Growth Charge from 2025-2029 CIP</i>		6,638,800	FIXED	4,365,200	4,365,200
<i>Debt Service Coverage Ratio / Policy Charge</i>		400,000	65.00%	260,000	260,000
Total Debt Service For Rate Computation	\$	15,733,660		\$ 10,169,545	\$ 10,169,545

SUMMARY OF DEBT SERVICE REVENUES:

CITY SHARE OF TOTAL DEBT SERVICE	\$	5,564,116	35%
ACSA SHARE OF TOTAL DEBT SERVICE		10,169,545	65%
	\$	15,733,661	100%

URBAN WASTEWATER DEBT SERVICE COSTS
Summary of Debt Service Budget to be Included in Charges

City Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2026	City %	City Amount	
<u>ALLOCATION BASED ON FLOWS</u>					
<i>System Projects Rate</i>					
22.9% of 2015B Bond Refunding	\$	363,627	46%	\$	167,268
100% 2005A Bond VRA/VRLF		150,976	46%		69,449
88.5% of 2009A Bond VRA/VRLF		1,419,716	46%		653,069
37.9% of 2011 A,B Bond VRA/VRLF		192,130	46%		88,380
24.5% of 2019 Refunding Bond		341,746	46%		157,203
100% of 2016 Bond		626,379	46%		288,134
4.8% of 2021 Bond		91,511	46%		42,095
2.4% of 2018 Bond		54,122	46%		24,896
53.4% of 2024 Bond		2,862,138	46%	1,316,583	2,807,077
<i>Revenues/Reserves that offset Debt Service</i>					
County MOU - Septage		(109,440)	46%	(50,342)	
Use of Reserves		-	Fixed	-	
Trust Fund Interest		(220,000)	46%	(101,200)	(151,542)
<u>ALLOCATION BASED ON FIXED AGREEMENTS</u>					
<u>2014 Wastewater Agreement</u>					
Meadowcreek	97.9% of 2010A and 10.9% of 2019 Bonds	1,094,589	Segments	702,302	
Wet Weather MCWWTP	11.5% of 2009A and 62.1% of 2011 A/B Bonds	499,293	Segments	259,030	
Moore's Creek Pump Stn.	100% of 2011 D/E Bond	296,944	Segments	179,575	
Rivanna Pump Stn. & F.M.	5.8% of 2019 and 100% of 2014A Bonds	1,851,162	Segments	926,934	
Albemarle Berkley Pump Stn.	3.4% of 2019 Refunding Bond	46,906	0%	-	
Crozet Interceptor	2.3% of 2019, 13.8% of 2018, 1.5% of 2021 and 9.2% of 2024	835,973	0%	-	
Schenks Branch Agreement	16.1% of 2019, 2.1% of 2010A, and 100% of 2015A Bonds	313,776	100%	313,776	2,381,617
<u>DEBT SERVICE PROJECTED FROM 5-YEAR CIP</u>					
CIP Growth Charge from 2025-2029 CIP		911,600	Fixed	402,100	402,100
Debt Service Coverage Ratio / Policy Charge		325,000	47%	152,750	152,750
Total		\$ 11,948,148		\$ 5,592,002	\$ 5,592,002

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2026	ACSA %	ACSA Amount	
<u>ALLOCATION BASED ON FLOWS</u>					
<i>System Projects Rate</i>					
22.9% of 2015B Bond Refunding	\$	363,627	54%	\$	196,359
100% 2005A Bond VRA/VRLF		150,976	54%		81,527
88.5% of 2009A Bond VRA/VRLF		1,419,716	54%		766,647
37.9% of 2011 A,B Bond VRA/VRLF		192,130	54%		103,750
24.5% of 2019 Refunding Bond		341,746	54%		184,543
100% of 2016 Bond		626,379	54%		338,245
4.8% of 2021 Bond		91,511	54%		49,416
2.4% of 2018 Bond		54,122	54%		29,226
53.4% of 2024 Bond		2,862,138	54%	1,545,555	3,295,268
<i>Revenues/Reserves that offset Debt Service</i>					
County MOU - Septage		(109,440)	54%	(59,098)	
Use of Reserves		-	54%	-	
Trust Fund Interest		(220,000)	54%	(118,800)	(177,898)
<u>ALLOCATION BASED ON FIXED AGREEMENTS</u>					
<u>2014 Wastewater Agreement</u>					
Meadowcreek	97.9% of 2010A and 10.9% of 2019 Bonds	1,094,589	Segments	392,287	
Wet Weather MCWWTP	11.5% of 2009A and 62.1% of 2011 A/B Bonds	499,293	Segments	240,262	
Moore's Creek Pump Stn.	100% of 2011 D/E Bond	296,944	Segments	117,369	
Rivanna Pump Stn. & F.M.	5.8% of 2019 and 100% of 2014A Bonds	1,851,162	Segments	924,228	
Albemarle Berkley Pump Stn.	3.4% of 2019 Refunding Bond	46,906	100%	46,906	
Crozet Interceptor	2.3% of 2019, 13.8% of 2018, 1.5% of 2021 and 9.2% of 2024	835,973	100%	835,973	
Schenks Branch Agreement	16.1% of 2019, 2.1% of 2010A, and 100% of 2015A Bonds	313,776	0%	-	2,557,025
<u>DEBT SERVICE PROJECTED FROM 5-YEAR CIP</u>					
CIP Growth Charge from 2025-2029 CIP		911,600	Fixed	509,500	509,500
Debt Service Coverage Ratio / Policy Charge		325,000	53%	172,250	172,250
Total	\$	11,948,148		\$	6,356,145
				\$	6,356,145

SUMMARY OF DEBT SERVICE REVENUES:			
CITY SHARE OF TOTAL DEBT SERVICE	\$ 5,592,002	47%	
ACSA SHARE OF TOTAL DEBT SERVICE	6,356,145	53%	
	\$ 11,948,147	100%	

OTHER RATE CENTERS DEBT SERVICE RATES

Summary of Debt Service Payments Due

	Existing Estimated Debt Service Budget FY 2026	Estimated New Debt Service	ACSA Monthly Rate
<u>WATER</u>			
<u>Crozet Water</u>			
<i>System Upgrades</i>			
13.9% of 2019 Refunding Bond	\$ 189,859		
17.0% of 2012A Bond (new money)	-		
7.4% of 2015B Bond Refunding	117,504		
5.9% of 2015B Bond New Projects	99,655		
35.7% of 2018 Bond	719,373		
Estimated DS - CIP Growth Charge	2,009,600	\$ 518,000	
<i>Revenues that offset Debt Service</i>			
Use of Reserves	-		
Trust Fund Interest	(32,000)	-	
	<u>\$ 3,103,991</u>	<u>\$ 518,000</u>	<u>\$ 258,666</u>
<u>Scottsville Water</u>			
<i>System Upgrades</i>			
3.4% of 2019 Refunding Bond	\$ 46,906		
4.2% of 2012A Bond (new money)	-		
2.7% of 2015B Bond Refunding	42,873		
2.1% of 2015B Bond New Projects	35,470		
1.2% of 2021 Bond	22,878		
Estimated DS - CIP Growth Charge	160,200	\$ 114,600	
<i>Revenues that offset Debt Service</i>			
Trust Fund Interest	(4,200)	-	
	<u>\$ 304,127</u>	<u>\$ 114,600</u>	<u>\$ 25,344</u>
<u>WASTEWATER</u>			
<u>Glenmore Wastewater</u>			
<i>System Upgrades</i>			
0.1% of 2015B Bond Refunding	\$ 1,588		
0.9% of 2021 Bond	17,158		
Estimated DS - CIP Growth Charge	126,700	\$ 96,140	
<i>Revenues that offset Debt Service</i>			
Trust Fund Interest	(500)	-	
	<u>\$ 144,946</u>	<u>\$ 96,140</u>	<u>\$ 12,079</u>
<u>Scottsville Wastewater</u>			
<i>Facilities Purchase</i>			
0.3% of 2012A Refunding Bond	\$ -		
<i>System Upgrades</i>			
0.3% of 2019 Refunding Bond	3,350		
0.2% of 2015B Bond Refunding	3,176		
Estimated DS - CIP Growth Charge	49,100	\$ 23,800	
<i>Revenues that offset Debt Service</i>			
Trust Fund Interest	(200)	-	
	<u>\$ 55,426</u>	<u>\$ 23,800</u>	<u>\$ 4,619</u>
TOTAL	\$ 3,608,490	\$ 752,540	\$ 300,708

DEBT SUMMARY

	Total Revenue Bond Debt	Total FY 2026 Debt Service
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CURRENT EXISTING DEBT

DEBT BY BOND ISSUE		
2005 A Bond VRA/VRLF	\$ 220,100	\$ 150,976
2009A Bond	8,160,136	1,604,199
2010A Bond	4,982,254	962,522
2011A Bond	2,686,749	443,608
2011B Bond	383,572	63,331
2011D,E Bond	1,927,186	296,944
2012B Bond	18,445,000	1,341,194
2014A Bond	17,682,041	1,770,751
2015A Bond	710,133	70,593
2015B Bond (refunding & new money)	30,430,000	3,276,953
2016 Bond	6,553,000	626,379
2018 Bond	33,020,000	2,255,088
2019 Bond	15,235,000	1,116,816
2021 Bond	34,940,000	1,906,472
2024 Bond	88,870,000	5,359,809
	\$ 264,245,171	\$ 21,245,635

Ratio of Debt Service / Total Debt 8.0%

PRINCIPAL AND INTEREST PAYMENTS BY CENTER - Annual

Urban Water	\$ 8,904,860
Crozet Water	1,126,391
Scottsville Water	148,127
Urban Wastewater	11,040,988
Glenmore Wastewater	18,746
Scottsville Wastewater	6,526
	\$ 21,245,638

Stone Robinson School WWTP Estimated Charges

		Total	Monthly
Expenses			
Fixed Costs			
	Wages	\$ 5,823	
	Benefits	2,653	
	Mileage	1,008	
	Subtotal	\$ 9,484	
	Overhead at 35%	3,319	
	Total Fixed Charge	\$ 12,803	
Variable Costs			
	Sludge hauls from digester	\$ 1,575	
	Belts oil etc.	1,000	
	Chemicals	2,500	
	Subtotal	\$ 5,075	
	Overhead at 35%	1,776	
	Total Variable Charge	\$ 6,851	
Total Annual Charge Estimate		\$ 19,654	\$ 1,638

All Rate Centers

Detailed Summary of Revenues

	<i>FY 2025</i>	<i>FY 2026</i>	<i>\$ Change</i>	<i>% Change</i>
<u>OPERATIONS</u>				
Operations Rate Revenues	\$ 25,533,965	\$ 28,565,847	\$ 3,031,882	11.87%
Other Operations Revenues				
Interest Allocation	\$ 165,400	\$ 272,400	\$ 107,000	64.69%
Stone Robinson WWTP	17,768	19,654	1,886	10.61%
Septage/Sludge Acceptance	600,000	620,000	20,000	3.33%
Leases	120,000	120,000	-	0.00%
Administration	364,200	417,000	52,800	14.50%
Finance & IT	541,000	581,000	40,000	
Nutrient Credits	50,000	50,000	-	0.00%
Miscellaneous	-	-	-	
	\$ 1,858,368	\$ 2,080,054	\$ 221,686	11.93%
Total Operations Revenues	\$ 27,392,333	\$ 30,645,901	\$ 3,253,568	11.88%
<u>DEBT SERVICE</u>				
Debt Service Rate Revenues				
City	\$ 9,605,378	\$ 11,156,118	\$ 1,550,740	16.14%
ACSA	16,007,176	20,134,186	4,127,010	25.78%
	\$ 25,612,554	\$ 31,290,304	\$ 5,677,750	22.17%
Other Debt Service Revenues				
Interest	2,011,100	2,003,500	(7,600)	-0.38%
County MOU - Septage	109,440	109,440	-	0.00%
Leases	10,000	10,000	-	0.00%
	\$ 2,130,540	\$ 2,122,940	\$ (7,600)	-0.36%
Total Debt Service Revenues	\$ 27,743,094	\$ 33,413,244	\$ 5,670,150	20.44%
Total Revenues	\$ 55,135,427	\$ 64,059,145	\$ 8,923,718	16.19%

**Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail**

Authority as a Whole

Authority as a Whole		Current Year Activity				vs.	vs.
Object Code	Line Item	Adopted Budget FY 2024-2025	Six Month Actual 12/31/2024	Projected Year end 6/30/2025	Proposed Budget FY 2025-2026	2026 Variance \$	2026 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 9,028,950	\$ 4,584,113	\$ 9,168,226	\$ 9,912,380	\$ 883,430	9.78%
11010	Overtime Pay	272,100	112,163	224,326	219,200	(52,900)	-19.44%
12010	FICA	711,530	338,105	676,210	775,066	63,536	8.93%
12020	Health Insurance	1,560,000	809,841	1,523,181	1,818,654	258,654	16.58%
12026	Employee Assistance Program	1,610	852	1,704	1,770	160	9.94%
12030	Retirement	771,559	389,398	778,796	847,182	75,623	9.80%
12040	Life Insurance	118,523	49,961	99,922	130,221	11,698	9.87%
12050	Fitness Program	11,400	6,836	13,672	14,295	2,895	25.39%
12060	Worker's Comp Insurance	82,700	86,512	115,349	114,400	31,700	38.33%
	Subtotal	\$ 12,558,372	\$ 6,377,781	\$ 12,601,386	\$ 13,833,168	\$ 1,274,796	10.15%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 15,375	\$ 2,581	\$ 5,110	\$ 17,355	\$ 1,980	12.88%
13150	Education & Training	110,553	33,820	67,640	163,621	53,068	48.00%
13200	Travel & Lodging	29,450	7,610	15,220	46,050	16,600	56.37%
13250	Uniforms	65,195	43,584	87,168	75,250	10,055	15.42%
13325	Recruiting & Medical Testing	6,920	1,629	3,258	12,710	5,790	83.67%
13350	Other	30,200	20,030	34,060	30,900	700	2.32%
	Subtotal	\$ 257,693	\$ 109,254	\$ 212,456	\$ 345,886	\$ 88,193	34.22%
	Professional Services						
20100	Legal Fees	\$ 70,000	\$ 48,542	\$ 97,084	\$ 60,000	\$ (10,000)	-14.29%
20200	Financial & Admin. Services	112,750	107,966	215,932	128,450	15,700	13.92%
20250	Bond Issue Costs	-	748,983	748,983	-	-	0.00%
20300	Engineering & Technical Services	309,900	311,485	622,970	589,500	279,600	90.22%
	Subtotal	\$ 492,650	\$ 1,216,976	\$ 1,684,969	\$ 777,950	\$ 285,300	57.91%
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 185,775	\$ 140,430	\$ 185,111	\$ 228,600	\$ 42,825	23.05%
21150	Advertising & Communication	18,700	54,019	108,038	34,200	15,500	82.89%
21250	Watershed Management	54,000	45,283	70,566	90,000	36,000	66.67%
21253	Safety Programs/Supplies	113,275	28,378	56,756	105,375	(7,900)	-6.97%
21300	Authority Dues/Permits/Fees	110,968	68,216	136,432	128,257	17,289	15.58%
21350	Laboratory Analysis	217,025	57,667	115,334	205,165	(11,860)	-5.46%
21400	Utilities	2,316,100	1,113,670	2,232,340	2,398,600	82,500	3.56%
21420	General Other Services	1,330,745	684,126	1,368,252	1,363,284	32,539	2.45%
21430	Governance & Strategic Support	25,000	1,000	2,000	27,500	2,500	10.00%
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 4,371,588	\$ 2,192,789	\$ 4,274,829	\$ 4,580,981	\$ 209,393	4.79%
22000	Communication						
22100	Radio	\$ 10,900	\$ 10,389	\$ 20,778	\$ 15,150	\$ 4,250	38.99%
22150	Telephone & Data Service	165,250	114,768	229,536	200,300	35,050	21.21%
22200	Cell Phones, Wireless data	68,800	34,385	68,770	75,878	7,078	10.29%
	Subtotal	\$ 244,950	\$ 159,542	\$ 319,084	\$ 291,328	\$ 46,378	18.93%
31000	Information Technology						
31100	Computer Hardware	\$ 213,250	\$ 68,712	\$ 137,424	\$ 373,250	\$ 160,000	75.03%
31150	SCADA Maint. & Support	350,000	91,097	237,194	832,000	482,000	137.71%
31200	Maintenance & Support Services	305,800	198,757	397,514	422,400	116,600	38.13%
31250	Software & Subscriptions	352,900	236,962	473,924	478,890	125,990	35.70%
31300	Security Systems	143,900	3,071	6,142	141,800	(2,100)	-1.46%
31325	Asset Mgt / Project Mgt Systems	104,200	-	-	150,040	45,840	43.99%
	Subtotal	\$ 1,470,050	\$ 598,599	\$ 1,246,056	\$ 2,398,380	\$ 928,330	63.15%
33000	Supplies						
33100	Office Supplies	\$ 28,200	\$ 12,331	\$ 24,662	\$ 32,300	\$ 4,100	14.54%
33150	Subscriptions/Reference Material	2,500	1,340	2,680	2,000	(500)	-20.00%
33350	Postage & Delivery	20,500	11,585	23,170	25,731	5,231	25.52%
	Subtotal	\$ 51,200	\$ 25,256	\$ 50,512	\$ 60,031	\$ 8,831	17.25%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 397,140	\$ 277,289	\$ 450,092	\$ 527,449	\$ 130,309	32.81%
41150	Building/land Lease, Rental	183,600	178,317	181,634	184,840	1,240	0.68%
41300	Dam Maintenance	146,200	50,282	100,564	145,170	(1,030)	-0.70%
41350	Pipeline/Appurtenances	148,280	255,700	465,534	214,358	66,078	44.56%
41400	Materials, Supplies & Tools	242,250	91,132	182,264	170,106	(72,144)	-29.78%
41450	Chemicals	3,654,064	2,195,983	3,606,548	3,526,842	(127,222)	-3.48%
41500	Vehicle Maintenance	82,700	23,624	47,248	66,000	(16,700)	-20.19%
41550	Equipment Repair, Replace, Maint.	1,055,050	651,048	1,302,096	1,314,481	259,431	24.59%
41600	Instrumentation	502,500	150,048	182,796	464,480	(38,020)	-7.57%

**Rivanna Water and Sewer Authority
Fiscal Year 2025-2026 Proposed Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2024-2025	Current Year Activity		Proposed Budget FY 2025-2026	2025	2025
			Six Month Actual 12/31/2024	Projected Year end 6/30/2025		vs. 2026 Variance \$	vs. 2026 Variance %
41650	Fuel & Lubricants	118,900	53,210	106,420	132,200	13,300	11.19%
41700	General Other Maintenance	168,200	36,982	73,964	111,000	(57,200)	-34.01%
Subtotal		\$ 6,698,884	\$ 3,963,615	\$ 6,699,160	\$ 6,856,926	\$ 158,042	2.36%
81000	Equipment Purchases						
81200	Rental & Leases	\$ 750	\$ 3,171	\$ 6,342	\$ 750	\$ -	0.00%
81250	Equipment (over \$10,000)	35,000	-	15,000	265,000	230,000	657.14%
81300	Vehicle Replacement Fund	281,200	140,600	281,200	285,500	4,300	1.53%
Subtotal		\$ 316,950	\$ 143,771	\$ 302,542	\$ 551,250	\$ 234,300	73.92%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95110	Finance & IT	-	-	-	-	-	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		\$ 930,000	\$ 465,000	\$ 930,000	\$ 950,000	\$ 20,000	2.15%
Subtotal		\$ 930,000	\$ 465,000	\$ 930,000	\$ 950,000	\$ 20,000	2.15%
Total		\$ 27,392,337	\$ 15,252,583	\$ 28,320,994	\$ 30,645,900	\$ 3,253,563	11.88%

Audit Check	
Less revenue allocation in Admin.	(998,000)
Less revenue allocation in Maint.	-
Less revenue allocation in Eng.	-
Detail Check on Expenses	\$ 29,647,900
Total Summary Sheet Rate Center Only	\$ 29,647,897

Roughly \$2.4 is target increase

4420938
\$ (1,167,375)

RWSA Staffing by Department

OPERATIONS	Approved Positions FY 2025	Changes	Positions FY 2026
<u>Engineering & Maintenance</u>			
Director of Engineering & Maintenance	1		1
Engineering Department			
Engineering Manager	1		1
Asset Management Coordinator	1		1
Senior Civil, Civil Engineers	5		5
Grant/Sustainability Coordinator	1		1
Water Resources Manager (to Water Dept)	1	-1	0
Construction Inspector Supervisor	1		1
Engineering Technician/Inspector	4	1	5
Administrative Office Technician	1		1
(Director FTE included) Subtotal	16	0	16
Maintenance Department			
Maintenance Manager	1		1
Asst. Maintenance Manager	1		1
Mechanics	10		10
Industrial Controls/Instrumentation Specialist	1		1
Vehicle Equipment Mechanic	1		1
Mechanic Helper	1		1
Maintenance Workers	1		1
Subtotal	16	0	16
<u>Operations</u>			
Director of Operations	1		1
Laboratory			
Laboratory Manager	1		1
Chemist	3		3
Subtotal	4	0	4
Wastewater Department			
Wastewater Manager	1		1
Wastewater Assistant Manager	1		1
Treatment Supervisor	1		1
<u>Plant Operators (14 total)</u>			
Operators - Relief Shift Differential all plants	2		2
Operators - Urban	10		10
Operator - Glenmore	1		1
Operator - Scottsville	1		1
Subtotal	17	0	17
Water Department			
Water Manager	1		1
Water Assistant Manager	1		1
Water Resources Coordinator (was Engineering)	0	1	1
Water Quality Specialist	1		1
Water Treatment Plant Supervisor	2		2
<u>Plant Operators</u>			
Operators - Relief Shift Differential all plants	3		3
Operators - Urban	14.6		14.6

RWSA Staffing by Department

	Approved Positions FY 2025	Changes	Positions FY 2026
OPERATIONS			
Operators - Crozet	2		2
Operators - Scottsville	1.4		1.4
Subtotal	26	1.0	27
Subtotal	80	1	81

Joint Administrative Staff

			FTE Split		
			RWSA	SWA	
Executive Director	1	1	0.85	0.15	1.00
Deputy Executive Director	1	1	0.85	0.15	1.00
Director of Administration	1	1	0.80	0.20	1.00
Executive Coordinator	1	1	0.85	0.15	1.00
HR Manager	1	1	0.78	0.22	1.00
Payroll & Benefits Coordinator	1	1	0.78	0.22	1.00
HR Associate	0	0	0.00	0.00	0.00
Communications/Outreach Coordinator	1	1	0.80	0.20	1.00
Administrative Assistant	1	1	0.78	0.22	1.00
Safety Manager	1	1	0.80	0.20	1.00
Director of Finance	1	1	0.85	0.15	1.00
Finance Manager	1	1	0.85	0.15	1.00
Senior Accountant	1	1	0.80	0.20	1.00
Accounting Associate	1	1	0.85	0.15	1.00
Accounts Payable Technician	1	1	0.82	0.18	1.00
Accounts Receivable Technician	1	1	0.20	0.80	1.00
Business System Analyst	1	1	0.60	0.40	1.00
<u>IT/SCADA</u>					
IT Manager	1	1	0.80	0.20	1.00
Information Systems Administrator - Core	1	1	0.60	0.40	1.00
Information Systems Administrator - ERP	1	1	0.80	0.20	1.00
Information Systems Administrator - Operation	1	1	1.00	0.00	1.00
Information Systems Asst. Administrator - Core	1	1	0.60	0.40	1.00
GIS Coordinator	1	1	1.00	0.00	1.00
IT Systems Analyst - Operations/SCADA	1	1	1.80	0.20	2.00
IT Systems Analyst - ERP/Core	1	1	0.80	0.20	1.00
Administration and allocation with RSWA	24	1	25		
			19.66	5.34	25.00

Total all positions	104.00	2.00	106.00
FTE Position Allocated to RSWA	6.10		5.56
Total Adjusted FTEs	110.10		111.56



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: ADOPTION OF THE FY 2025-2026 RATE SCHEDULE AND APPROVAL OF
THE FY 2025-2026 BUDGET**

DATE: MAY 27, 2025

The proposed Fiscal Year 2025-2026 budget totaling \$64 million was reviewed in detail with the Board during the March 25, 2025, meeting, and will be briefly reviewed again today. The proposed budget includes \$33.4 million for Debt Service charges and \$30.6 million for Operating expenses and represents a 16% increase above the current budget. The proposed budget includes resources required to improve our water supply and water treatment infrastructure, meet debt service obligations, comply with regulatory mandates, and invest in our workforce. Through these resources, wholesale water and wastewater services will be provided to the Charlottesville Utilities Department and the Albemarle County Service Authority in a collaborative, effective, and fiscally responsible manner. Charges will increase 12.4% to City Utilities and 20.1% to the ACSA to support these essential services.

The proposed budget includes an \$8.9 million increase in expenses primarily to support an increase of \$5.7 million in debt service costs for our capital projects. Operating expenses will increase \$3.2 million largely for information technology systems, equipment replacement, and support for our workforce. A 2% cost of living increase for all RWSA and RSWA staff, including the Executive Director, and a merit pool of 3% for eligible employees, are proposed to be effective in July 2025. The proposed cost of living and merit salary increases will help the Authorities retain the specialized, licensed, and professional employees we require to provide our drinking water, wastewater, refuse and recycling services for our community. Competition for qualified employees in the utility and solid waste workforce marketplace is challenging due to low levels of unemployment (2.2%) in the Charlottesville/Albemarle area. The proposed merit pool will allow us to reward employees for successful completion of performance goals over the past year.

The proposed budget includes two additional positions to support our programs:

- Information Technology Specialist
- Engineering Construction Inspector

Board Action Requested:

Adopt the attached Rate Schedule with any revisions after conducting a Public Hearing, and approve the Fiscal Year 2025-2026 Budget totaling \$64 million, with both to be effective on July 1, 2025.



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

434.977.2970
434.293.8858
www.rivanna.org

**RESOLUTION
TO ADOPT THE RATE SCHEDULE
FOR FISCAL YEAR 2025-2026, EFFECTIVE JULY 1, 2025
BY THE RIVANNA WATER AND SEWER AUTHORITY**

WHEREAS, the Rivanna Water and Sewer Authority (the “Authority”) Board of Directors has reviewed the proposed Rate Schedule for Fiscal Year 2025-2026; and

WHEREAS, the Authority conducted a public hearing for the proposed Rate Schedule on May 27, 2025, after advertising the actual date fixed for the public hearing in the Daily Progress on May 1, 2025 and May 6, 2025, and

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water and Sewer Authority hereby adopts the Rate Schedule for Fiscal Year 2025-2026, to be effective on July 1, 2025.

RATE SCHEDULE

<u>Water Rates & Charges</u>				<u>Wastewater Rates & Charges</u>			
<u>Urban Area</u>				<u>Urban Area</u>			
ACSA & City	Operating	\$ 3.642	Per 1,000 gallons	ACSA & City	Operating	\$ 3.719	Per 1,000 gallons
City	Debt Service	\$ 463,676	Per month	City	Debt Service	\$ 466,000	Per month
ACSA	Debt Service	\$ 847,462	Per month	ACSA	Debt Service	\$ 529,679	Per month
<u>Crozet</u>				<u>Glenmore</u>			
ACSA	Operating	\$ 130,182	Per month	ACSA	Operating	\$ 56,104	Per month
ACSA	Debt Service	\$ 258,666	Per month	ACSA	Debt Service	\$ 12,079	Per month
<u>Scottsville</u>				<u>Scottsville</u>			
ACSA	Operating	\$ 70,995	Per month	ACSA	Operating	\$ 40,944	Per month
ACSA	Debt Service	\$ 25,344	Per month	ACSA	Debt Service	\$ 4,619	Per month

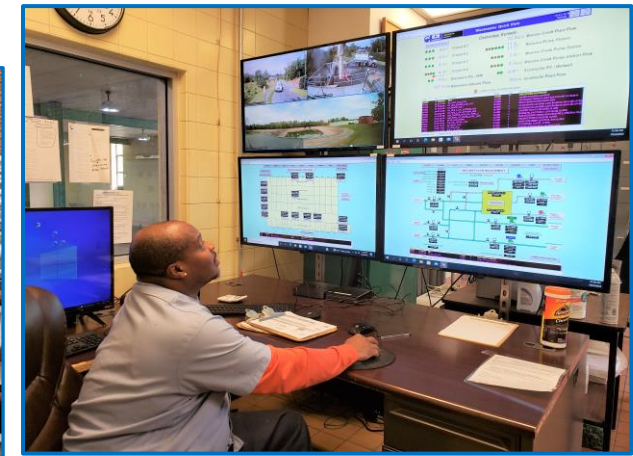
The Rivanna Water & Sewer Authority (Rivanna) was created by the City of Charlottesville (City) and the County of Albemarle to supply and treat water for drinking and to provide wastewater treatment. The above fees represent Rivanna’s fees and charges to the City and the Albemarle County Service Authority (ACSA) for these services and are not the same as the City and ACSA charges to individual residents and businesses. Debt Service covers capital related project costs and are different for the City and ACSA reflecting terms of contractual agreements.

The City and the ACSA distribute drinking water and collect wastewater from individual residents and businesses and charge retail rates that combine charges from the above schedule to reflect their service costs, including Rivanna’s costs.

Information about the budget may be obtained on the Rivanna website at www.rivanna.org. Please call 977-2970 ext. 0 or send e-mail to info@rivanna.org with any questions you may have.

Proposed Budget FY 2025 - 2026

PRESENTED TO THE BOARD OF DIRECTORS
BY BILL MAWYER, EXECUTIVE DIRECTOR
MAY 27, 2025

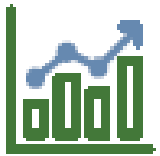


Budget Summary

FY 2025 – 2026

➤ Total Budget	\$64 m	\$8.9 m increase = 16%
1. Debt Service	\$33.4 m	\$5.7 m increase = 20.4%
2. Operations	\$30.6 m	\$3.2 m increase = 11.8%
➤ City Charges	\$22.9 m	\$2.5 m increase = 12.4 %
➤ ACSA Charges	\$36.9 m	\$6.2 m increase = 20.1%

Strategic Plan Goals



OPTIMIZATION AND RESILIENCY

To empower a culture of innovative and collaborative thinking that advances efficient operational processes, technology modernization, and risk mitigation.



ENVIRONMENTAL STEWARDSHIP

To demonstrate and promote best practices in sustainability, resources conservation, and environmental education.



WORKFORCE DEVELOPMENT

To attract, develop, and retain a professional, highly skilled, engaged, and diverse team.



COMMUNICATION AND COLLABORATION

To elevate awareness of the Authorities' impact and value through proactive communication, effective partnerships, and community involvement.



PLANNING AND INFRASTRUCTURE

To address evolving needs by planning, delivering, and maintaining dependable infrastructure and facilities in a financially responsible manner.

Water & Wastewater Budget Drivers



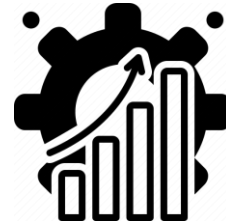
REGULATIONS



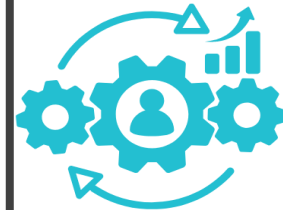
EMERGING
CONTAMINANTS



SUSTAINABILITY



CAPACITY

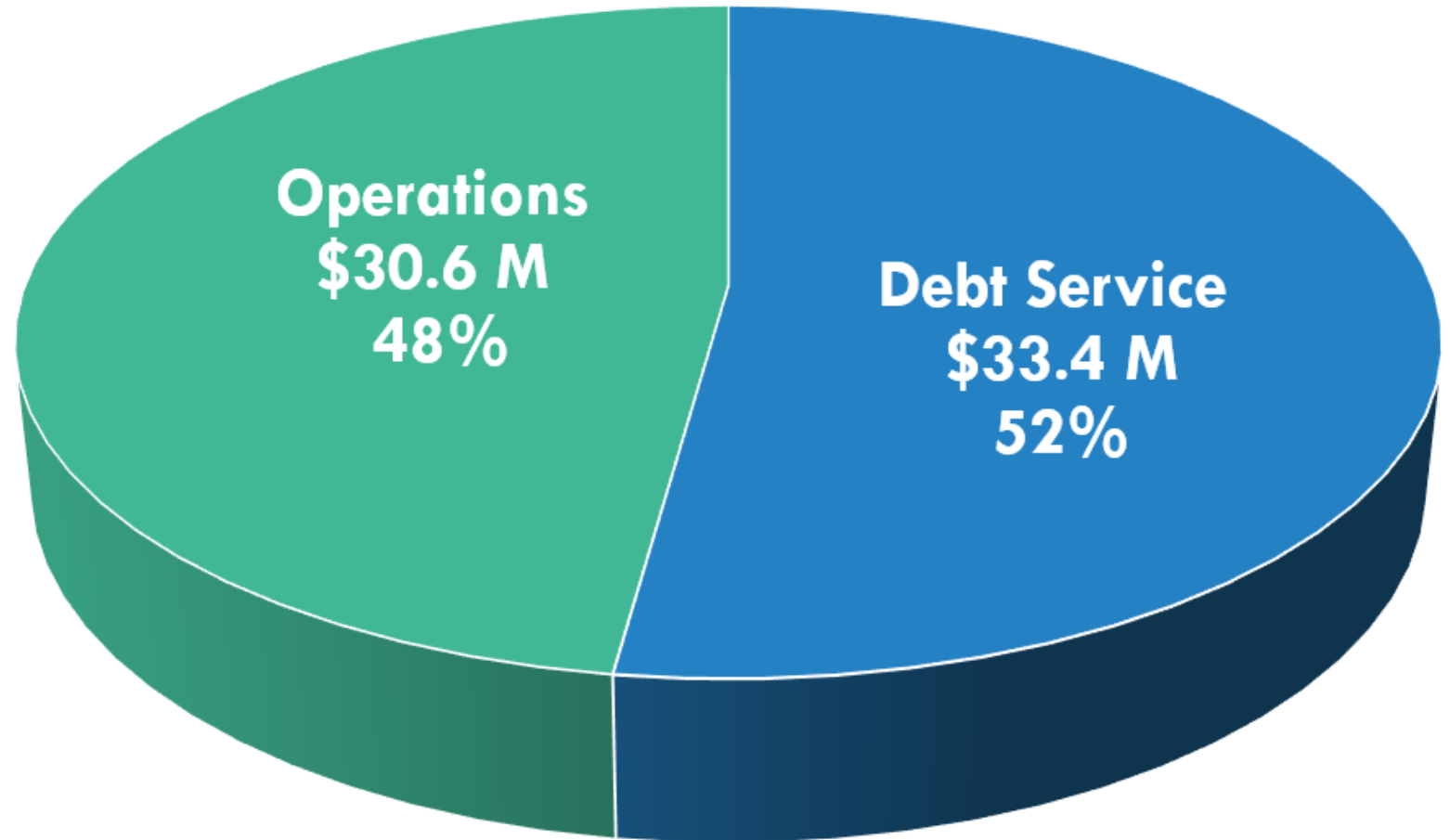


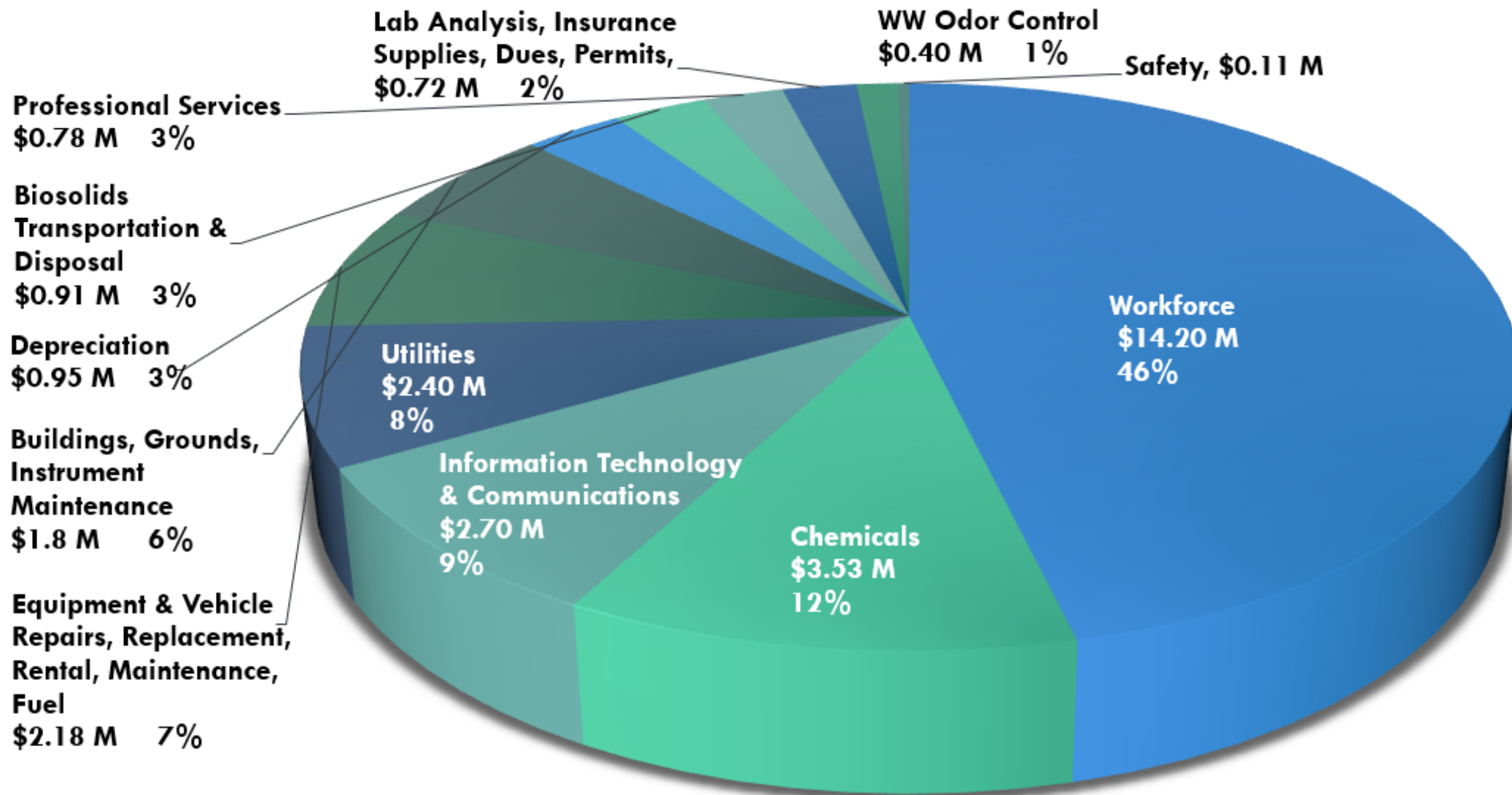
TECHNOLOGY



AFFORDABILITY

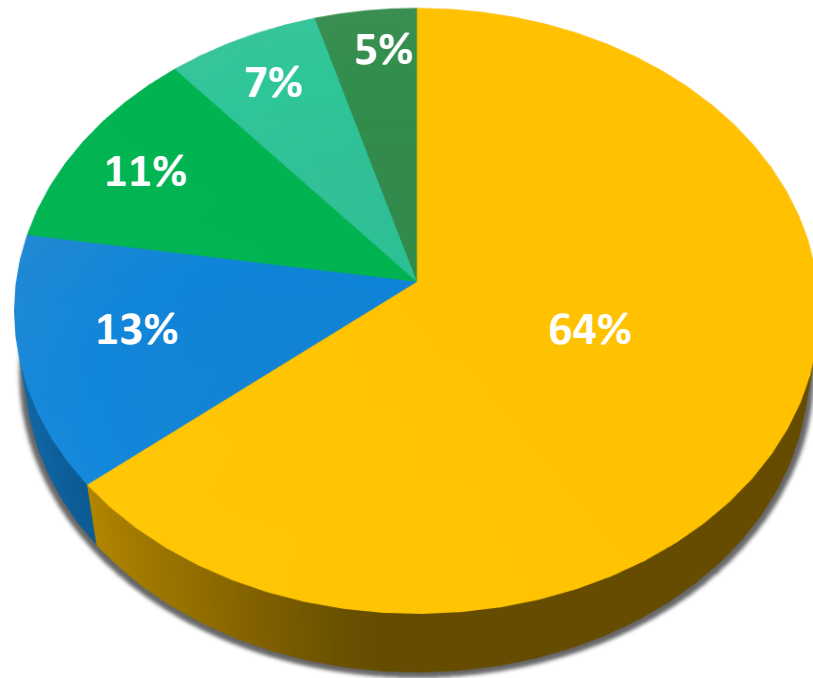
FY 2025 – 2026
Budget
\$64 M





FY 2025 – 2026 Operations
\$30.6 M

Budget Increases FY 2026



■ Debt Service ■ Personnel Costs ■ IT Costs ■ Equipment ■ All other Costs

Debt Service	\$5.7 M	64%
Personnel	\$1.2 M	13%
Information Technology	\$1.0 M	11%
Equipment Replacement	\$0.6 M	7%
All other Costs	\$0.4 M	5%
Total	\$8.9 M	



Strategic Plan Goal: Workforce Development

Personnel

• <i>Salary Adjustments</i>	\$570 k
~ 2% COLA + 3% Merit	
• <i>New Positions (2)</i>	\$335 k
~ includes full year for FY 2025 positions	
• <i>VRS, Taxes, Health and Life Insurance</i>	\$370 k
<i>Total</i>	<u>\$1.28 M</u>



Personnel

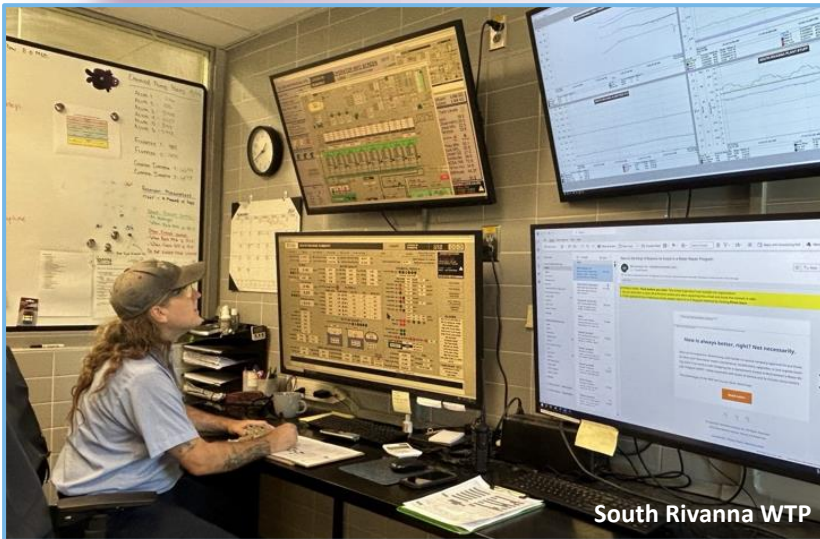
Additional Positions

1. *Information Technology Administrator - SCADA:*

- *Responsible for maintaining operational integrity of our essential Supervisory Control and Data Acquisition, communication and security systems. Reliance on these growing systems continues to intensify.*

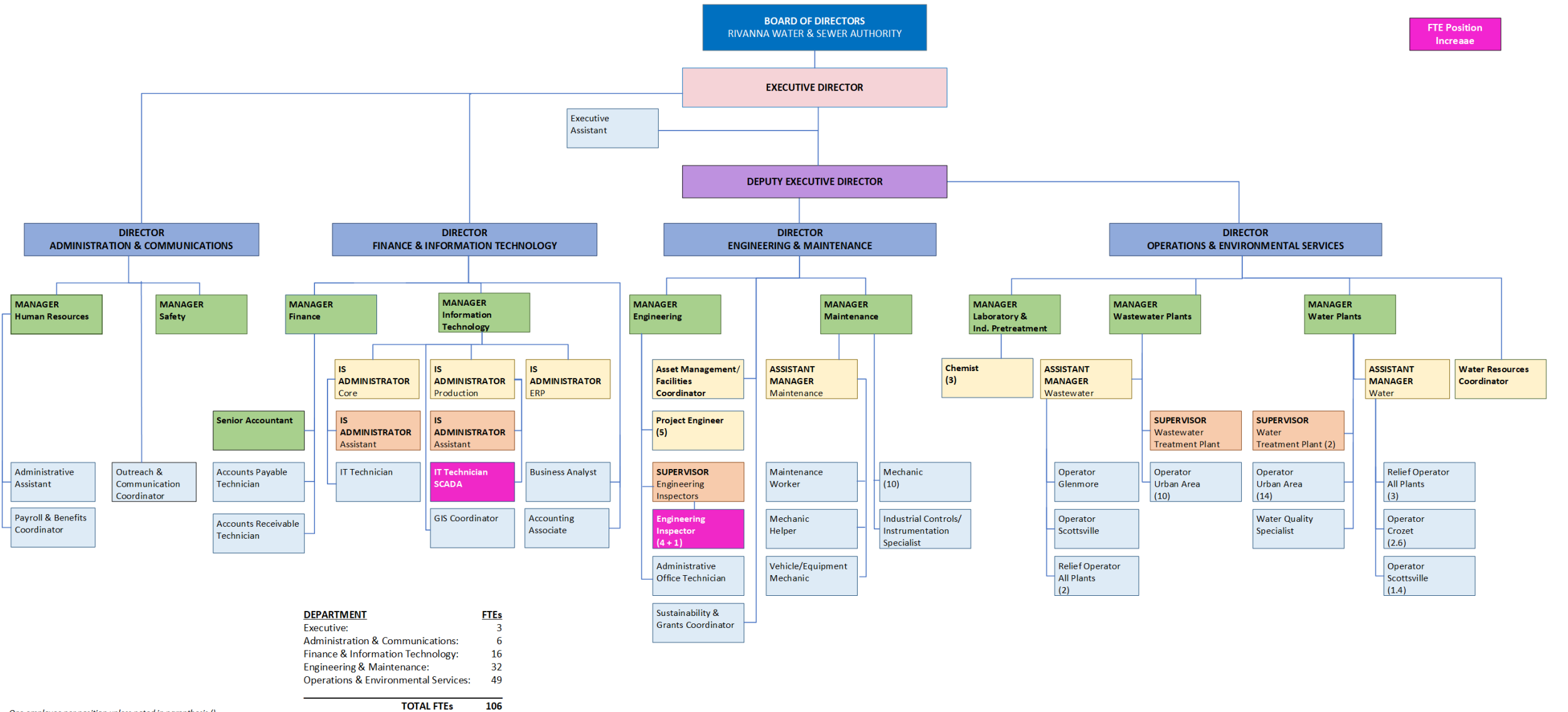
2. *Engineering Construction Inspector:*

- *As we begin many major CIP construction projects, this additional position will provide on-site field inspections to verify compliance with plans and specifications and will reduce our cost vs. contracting for inspection support.*



RIVANNA WATER & SEWER AUTHORITY
Organizational Chart

FY 2025 – 2026 Proposed Budget



Financial Forecast

•RWSA Charge Increase (%):	<u>FY</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>
• City		12.4	12.0	11.8	11.6	10.2
• ACSA		20.1	15.0	13.9	13.0	11.4
•FY 26 Capital Budget		\$104 m				
•FY 26 - 30 CIP		\$550 m				
•New CIP Debt Anticipated		\$382 m				

Budget Summary

FY 2025 – 2026

➤ Total Budget	\$64 m	\$8.9 m increase = 16%
1. Debt Service	\$33.4 m	\$5.7 m increase = 20.4%
2. Operations	\$30.6 m	\$3.2 m increase = 11.8%
➤ City Charges	\$22.9 m	\$2.5 m increase = 12.4 %
➤ ACSA Charges	\$36.9 m	\$6.2 m increase = 20.1%

Questions?

Actions to be Considered by the Board:

1. Conduct a Public Hearing on the proposed FY 2025-2026 Rate Schedule.
2. After receiving any comments, consider:
 - Approval of the Resolution to Adopt the FY 2025 - 2026 Rate Schedule
 - Approval of the FY 2025-2026 Budget



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: JENNIFER A. WHITAKER, DIRECTOR OF ENGINEERING AND
MAINTENANCE

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

SUBJECT: APPROVAL OF CONSTRUCTION CONTRACT AWARD AND
CAPITAL IMPROVEMENT PLAN AMENDMENT– SOUTH
RIVANNA WATER TREATMENT PLANT PAC UPGRADES –
WACO, INC.

DATE: MAY 27, 2025

This request is to authorize the award of a contract to Waco, Inc. for replacement of a Powdered Activated Carbon (PAC) storage silo and feed system for a total contract value of \$1,497,000. An amendment to increase the FY 26-30 CIP funding for this project totaling \$562,000 is also requested. The total budget for this project will be \$1,820,000.

Background

The SRWTP currently utilizes a 1984 lime silo which was converted to a PAC silo in 2015. PAC is mixed with raw water prior to entering the rapid mix basins. The PAC storage silo and feed system has reached the end of its useful life and requires frequent maintenance attention to maintain operations. This project will replace the existing PAC system with a modern PAC storage and slurry feed system similar to the one installed at the Crozet and Observatory WTPs. This project will include demolition of the existing PAC silo and feed pumps, site work and grading required for the new PAC silo location and installation of a new PAC storage and slurry feed system complete with all necessary dry feed equipment, metering pumps, HVAC equipment and electrical and control equipment.

Construction bids were opened for the project on May 14th, 2025, and only one bid was received. Waco, Inc. from Sandston, VA was the sole bidder with a total base bid of \$1,497,000. Waco's bid was equal to the Engineer's most recent estimate of \$1,500,000 which included a cost increase from \$400k to \$800k for the new steel PAC storage tank. Due to the limited scope and simple nature of this project, there are no opportunities for potential cost reductions, as any reductions would impact the needed functionality of the system.

Our staff and consultant engineer recommend an award to Waco, Inc. in the amount of \$1,497,000 as a fair and reasonable cost of the work. The CIP budget for the SRWTP PAC Upgrades project is \$1,258,000. Incorporating Waco's bid along with design and construction administration costs

would represent an increase to the CIP budget of \$562,000 for a total of \$1,820,000.

Board Action Requested:

Staff requests the Board of Directors to approve the following:

1. An amendment to the FY 26 – 30 CIP for the South Rivanna Water Treatment Plant PAC Upgrades project to increase the budget by \$562,000. This amendment would bring the total budget for this project to \$1,820,000.
2. Authorization for the Executive Director to award a construction contract to Waco, Inc. for a total amount of \$1,497,000 and to approve any change orders to the construction contract necessary for completion of the work not exceed 10% of the original construction contract award.

S. Rivanna Water Treatment Plant - Powdered Activated Carbon Upgrade Project

*Construction Award and
FY 26 – 30 CIP Amendment*



Presented to the Board of Directors
By Dyon Vega, Civil Engineer
May 27, 2025



Existing PAC Silo

Existing Powdered Activated Carbon (PAC) Silo

- Constructed in 1984 as a lime storage silo
- Converted to a PAC silo in 2015, 37.5 tons capacity
- Now at the end of useful life
- Existing system has a number of deficiencies, including:
 - Prone to clogging at desired feed rate
 - Cannot be controlled from SCADA
 - Must climb to the top to measure PAC level



New PAC Silo

- 40 tons capacity to allow for higher feed rates and 3 months of storage
- Slurry feed system – same feed system at CZWTP and OBWTP
- Local controls along with full integration with plant SCADA
- Storage level monitoring
- Includes dust collector with PTFE filter bags, same used at OBWTP



Bid Results and Budget

- 1 Bid received from WACO, Inc.: \$1.49 m
- Engineer's final estimate: \$1.5 m
- FY 26 – 30 CIP Budget: \$1.25 m
- Total Project Budget: \$1.82 m
- Proposed Budget Amendment - \$0.562 m
- Construction: Dec 2025 - August 2027



Questions?

Board Action Requested

Consider approval of the following:

1. An amendment to the FY 26 – 30 CIP for the South Rivanna Water Treatment Plant – PAC Upgrades Project to increase the budget by \$0.562 m to a total budget of \$1.82 m.
2. Authorization for the Executive Director to award a construction contract to Waco, Inc. for a total amount of \$1.497 m and to approve any change orders to the construction contract necessary for completion of the work not exceed 10% of the original construction contract amount.