RIVANNA

WATER & SEWER AUTHORITY

Board of Directors Meeting

March 26, 2024

2:15pm

695 Moores Creek Lane | Charlottesville, Virginia 22902-9016
434.977.2970
434.293.8858
www.rivanna.org

BOARD OF DIRECTORS

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

DATE: **MARCH 26, 2024**

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

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

AMENDED AGENDA

1. ***CALL TO ORDER***

2. ***AGENDA APPROVAL–*** *as amended (add 9b Presentation: Sediment in the Drinking Water System)*

3. ***Minutes of Previous Board Meeting on February 27, 2024***
   - as amended (line 810: change the word "location" to "allocation" and add Michelle Simpson to "Rivanna staff present")

4. ***MINUTES OF PREVIOUS BOARD MEETING ON FEBRUARY 27, 2024***

5. ***RECOGNITION***

6. ***EXECUTIVE DIRECTOR'S REPORT***

7. ***ITEMS FROM THE PUBLIC***
   Matters Not Listed for Public Hearing on the Agenda

8. ***RESPONSES TO PUBLIC COMMENTS***

9. ***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

10. OTHER BUSINESS

a. Presentation and Vote: Introduction of FY 2024-2025 Budget and Vote to Consider Approval of the Resolution to Adopt the Preliminary Rate Schedule
Lonnie Wood, Director of Finance and Information Technology

b. Presentation: Sediment in the Drinking Water System
David Tungate, Director of Operations and Environmental Services

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

12. CLOSED MEETING

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

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RWSA BOARD OF DIRECTORS
Minutes of Regular Meeting
February 27, 2024

A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was held on Tuesday, February 27, 2024 at 2:15 p.m. in the Rivanna Administrative Building, (2nd Floor Conference Room), 695 Moores Creek Lane, Charlottesville, VA 22902.

Board Members Present: Mike Gaffney, Lauren Hildebrand, Gary O'Connell, Ann Mallek, Brian Pinkston, Samuel Sanders Jr.

Board Members Absent: Jeff Richardson

Rivanna Staff Present: Bill Mawyer, Lonnie Wood, Deborah Anama, Betsy Nemeth, David Tungate, Jacob Woodson, Jennifer Whitaker, Konrad Zeller, Wayne Barnes, Brad Puffenbarger, Cary Wingo, Joshua Bowen.

Attorney(s) Present: Valerie Long

1. *CALL TO ORDER*
Mr. Gaffney called the February 27, 2024, regular meeting of the Rivanna Water and Sewer Authority to order at 2:15 p.m.

2. *AGENDA APPROVAL*

Ms. Mallek moved that the Board approve the agenda as presented. The motion was seconded by Mr. O'Connell and passed unanimously (6-0). (Mr. Richardson was absent.)

3. *MINUTES OF PREVIOUS BOARD MEETING*
a. Minutes of Regular Board Meeting on January 23, 2024

Ms. Mallek moved that the Board approve the minutes of the January 23, 2024 meeting. The motion was seconded by Mr. Pinkston and passed unanimously (6-0). (Mr. Richardson was absent.)

4. RECOGNITIONS
a. Resolution of Appreciation for Konrad Zeller

Mr. Gaffney read the Resolution of Appreciation for Konrad Zeller.

RIVANNA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS

<u>Resolution of Appreciation for Konrad Zeller</u>

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***WHEREAS**, Mr. Zeller has served in several positions in the Water Department since July 1999 for the Rivanna Water and Sewer Authority, most notably as a Class 1 Water Treatment Plant Supervisor at the South Rivanna Water Treatment Plant; and*

***WHEREAS**, over the same period of nearly 25 years, Mr. Zeller has demonstrated leadership in his field and has been a valuable resource to the Authority and its employees; and*

***WHEREAS** Mr. Zeller's knowledge and understanding of the water treatment operation as well as his dedication and loyalty have positively impacted the Authority; and*

***WHEREAS,** the Board of Directors is most grateful for the professional and personal contributions Mr. Zeller has provided to the Rivanna Water and Sewer Authority and to its customers and its employees; and*

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

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

Michael Gaffney, Chairman
Lauren Hildebrand
Ann Mallek
Gary O'Connell
Brian Pinkston
Jeff Richardson
Sam Sanders

Ms. Mallek moved the Board to approve the Resolution of Appreciation for Konrad Zeller. The motion was seconded by Mr. O'Connell and passed unanimously (6-0). (Mr. Richardson was absent.)

Konrad Zeller stated that the workplace had undergone significant changes since he initially began working there. He stated that there was one engineer whom the Director of Operations closely monitored due to a lack of trust. He stated that the environment was often hazardous. He stated that for nearly a decade, there was no Safety Director because it was more cost-effective to delegate responsibilities among managers; thus, safety measures were not consistently implemented. He stated that when he first joined the company, they were considered an employer of last resort, particularly in the maintenance department. He stated that partly due to Mr. Mawyer's efforts, people now inquire about job opportunities at the organization.

Mr. Zeller stated that in the past, there was considerable office politics and discord between departments. He stated that employees would wake up each day seeking ways to discredit other departments. He stated that Mr. Mawyer's arrival led to the dismissal of two toxic managers and

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improved teamwork. He stated that Maintenance responds promptly to work orders, unlike before when it could take a week or more. He commended Bill for streamlining operations. He stated that the workplace has evolved significantly since his initial employment, becoming safer and more efficient. He stated that he had remained there because the job was fun. He thanked the Board.

b. Resolution of Appreciation for Wayne Barnes

Mr. Gaffney read the Resolution of Appreciation for Wayne Barnes.

RIVANNA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS

<u>Resolution of Appreciation for Wayne Barnes</u>

WHEREAS*, Mr. Barnes has served in a number of positions in the Water Department since March 1979 for the Rivanna Water and Sewer Authority, most recently as the Assistant Manager of the Water Department; and*

WHEREAS*, over the same period of 45 years, Mr. Barnes has demonstrated leadership in his field and has been a valuable resource to the Authority and its employees; and*

WHEREAS *Mr. Barnes' knowledge and understanding of the Water Department's operation as well as his enduring dedication and loyalty have positively impacted the Authority; and*

WHEREAS, *the Board of Directors is most grateful for the professional and personal contributions Mr. Barnes has provided to the Rivanna Water and Sewer Authority and to its customers and its employees; and*

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

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

Michael Gaffney, Chairman
Lauren Hildebrand
Ann Mallek
Gary O'Connell
Brian Pinkston
Jeff Richardson
Sam Sanders

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Mr. Sanders moved the Board to approve the Resolution of Appreciation for Wayne Barnes. The motion was seconded by Mr. O'Connell and passed unanimously (6-0). (Mr. Richardson was absent.)

Wayne Barnes stated that he was grateful for this opportunity. He stated that fortunately, they had made significant progress over the years he had been there. He acknowledged that many of the things Konrad mentioned were accurate. He stated that it was indeed an esteemed workplace. He stated that they had a talented team and he was proud of their accomplishments. He stated that he was confident they would continue to excel. He thanked the Board.

5. EXECUTIVE DIRECTOR'S REPORT

Mr. Mawyer stated that their staffing and succession management program was working well as there was exceptional talent within the organization. He stated that with both Mr. Zeller and Mr. Barnes leaving, they had made significant efforts to ensure that those positions would be filled by equally capable individuals. He mentioned that they had promoted Bradley Puffenbarger, who had been promoted to take Mr. Barnes' role as Water Department Assistant Manager.

Mr. Mawyer stated that they had promoted Cary Wingo to fill Mr. Puffenbarger's former position as a Water Department Supervisor. He stated that Mr. Puffenbarger had been with the organization for 12 years and Ms. Wingo had been at the organization for three years. He stated that these promotions demonstrated their commitment to maintaining a strong team and moving forward in their succession management efforts.

Mr. Puffenbarger stated that he appreciated the opportunity and was excited to continue being a leader in the organization. He stated that his role involved bringing everyone together, which aligned with one of their core values: teamwork. He stated that he believed they had been moving in the right direction and looked forward to further improvements in the future.

Ms. Wingo stated that she was looking forward to carrying the torch that had been lit.

Mr. Mawyer stated that Ms. Wingo was a graduate of his alma mater, the University of Virginia, and they were thrilled to have her joining the management team. He stated that Mr. Puffenbarger was a graduate of Lynchburg College. He congratulated Mr. Barnes and Mr. Zeller and stated that they looked forward to the contributions of their successors.

Mr. Mawyer stated that next, he would introduce Joshua Bowen, who had recently been promoted to become their Construction Inspector Supervisor. He stated that this was a new position that the Board approved in July, and they had recently filled it. He stated that as such, Mr. Bowen would supervise their team of four inspectors and assist them in managing their construction projects, particularly as they embarked upon an extensive Capital Improvement Program that Ms. Whitaker would discuss in further detail shortly. He congratulated Mr. Bowen, who had been with them for five years.

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Joshua Bowen stated that it had been a great five years, and he was very proud to be a part of this organization. He stated that he looked forward to coming to work every day, and the people he worked with in the Engineering Department and Water Department were some of the best he had ever had the privilege of working with. He stated that he looked forward to contributing to improvements in the inspection processes, focusing on a more proactive approach rather than reacting to issues. He stated that this may also lead to enhancing the quality of their infrastructure over time.

Mr. Mawyer stated that they employed a number of engineers, and this week they celebrated National Engineers Week. He stated that they also celebrated with all staff during their first quarter team-building event in February, which featured a Super Bowl chili cook-off that was a successful event.

Mr. Mawyer stated that Brenda Clifford was the top choice in the chili competition. He stated it was a fun event.

He stated they did go to Sugar Hollow and meet with the community regarding the bladder deflation that took place in January and sent a rush of water down the Moormons River. He stated that they attended a night meeting at the Ruritan Club in White Hall and met with the group to discuss the concerns. He stated that a video was shown of the water rushing down the river that someone had taken.

Mr. Mawyer stated that the meeting was productive, and they were working on solutions such as an alarm system that would alert people quickly in case of another bladder failure. He stated that they might consider using an audible alarm system or collaborating with the reverse E911 or other available systems. He stated that they would meet with the same group on March 14 to provide them with an update and continue discussing solutions for that issue.

Mr. Mawyer stated that in November, he informed the Board about an unfortunate incident involving the release of lime slurry at the South Rivanna Water Treatment Plant. He stated that they subsequently received a notice of violation letter from the VDEQ last month, and traveled to Harrisonburg last week to meet with DEQ representatives regarding how they could address and rectify the situation, which had already been resolved within days of when it occurred.

Mr. Mawyer stated that while the situation had been mitigated, they anticipated receiving a fine. He stated that they had received legal assistance from Williams Mullen in this process and had been cooperating with DEQ. He stated that the meeting with DEQ had been highly cooperative. He stated that they also took advantage of this opportunity to discuss the Rivanna pump station and the sewer manhole overflows with DEQ.

Mr. Mawyer stated that on a positive note, drought was no longer a concern for the moment. He stated that at present, all the reservoirs were full. He stated that displayed on the screen was a photograph of Ragged Mountain, showing that it was full. He explained that they transferred water from Sugar Hollow to Ragged and kept the pipe open for most of January and February until Ragged reached its full capacity on February 12. He mentioned that when they raised the water level by 12 feet, the peninsula visible in the image would likely be submerged.

DRAFT

Mr. Mawyer stated that last fiscal year, they were several million dollars over their budget; however, through diligent efforts of Lonnie Wood and his staff, they had managed to control costs and maintain a surplus. He stated that this was contained in the Staff Report on Finance, Item 8a. He stated that as of December, they had excess funds totaling $635,000 over their expenses, and expected to have approximately $200,000 more than expenses through January. He acknowledged that the Rivanna Pump Station's costs may impact their budget in the future but appreciated the staff's efforts in managing costs and finding innovative ways to save money. He stated that their primary costs were fixed, such as the cost of chemicals and utilities to produce drinking water and treat wastewater.

Mr. Gaffney stated that he wanted to say that they had completed six years of the strategic plan. He stated that one of the key aspects of the plan was workforce development from within, which was evident and impressive to see the results today.

Mr. Mawyer stated that they were proud of the entire group when they worked together and achieved success. He stated that as they approached the budget presentations in the upcoming months, they would provide updates on the next phase of the Succession Management Plan.

6. ITEMS FROM THE PUBLIC

Dede Smith stated that she tuned in during the conclusion of the Sugar Hollow segment. She stated she was wondering about whether, after completing the pipeline between South Fork and Ragged Mountain, there were plans to remove the Sugar Hollow Dam. She stated that this was given its small percentage of total storage capacity, particularly after raising Ragged Mountain, its primary purpose was drought storage. She stated that its effectiveness in drought protection was limited due to water loss between Sugar Hollow and the Rivanna or Moormans River during droughts. She asked if there had been discussions regarding restoring the natural flow of the Moormans River.

7. RESPONSES TO PUBLIC COMMENT

Mr. Mawyer stated that part of their meeting with the Sugar Hollow folks was discussing whether they could eliminate the bladder atop the Sugar Hollow Dam, which holds approximately 60 million gallons back or adds five feet to the reservoir when inflated. He stated that it was contrary to their efforts to increase the community's water supply through the pipeline from Rivanna to Ragged, which would add 700 million gallons. He stated that the question would be if they could afford to give up 60 million gallons by removing the bladder while retaining the dam itself. He stated that Ms. Smith may have referred to the bladder rather than the dam. (thru communication with Ms. Smith after the meeting, she confirmed that she meant remove the dam).
Mr. Mawyer stated that residents also inquired about deflating the bladder during specific times of the year. He stated that this would minimize the risk of sudden deflation and potential property or personal damage from a surge of water. He stated that staff were exploring these options, including whether it was suitable for the bladder to remain deflated for months at a time. He stated that they would likely present these findings to the Board and ask for director on

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whether they should keep the bladder and the 60 million gallons stored, or whether they afford to forgo that capacity when Ragged was expanded and the pipeline from Rivanna to Ragged was completed.

Mr. Pinkston asked what the maximum height of the river was when the bladder was deflated.

Ms. Whitaker stated that the bladder height was five feet. She stated that it took approximately 45 minutes for the water to evacuate from behind it. She stated that the peak wave observed in the gauges was approximately three and a half to four feet in height.

Mr. Pinkston asked if they were to eliminate the Sugar Hollow Dam, whether there would be an enormous environmental cleanup effort involved.

Mr. Mawyer stated that there were numerous practical issues in that matter. He stated that one of the major concerns was the loss of approximately 400 million gallons of water from Sugar Hollow. He stated that the sediment and silt at the bottom of the reservoir would also pose significant challenges in terms of environmental mitigation and control. He stated that the process of draining the water and dealing with the debris that would be washed out would require significant effort.

Ms. Mallek stated that they likely already considered this, but a compromise could involve increasing the frequency of daily releases. She stated that as they strove to balance various factors, referring back to 2012, when there were releases all the time, would help them safeguard both the river and the water supply.

Mr. Mawyer clarified that Ms. Mallek was referring to releases from the existing outflow pipe.

Ms. Mallek stated yes.

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

g. Award Professional Engineering Services Agreement – Moores Creek Building Upfits and Gravity Thickener Improvements Project – Short Elliot Hendrickson Inc.

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h. Approval of Term Contract for Professional Wastewater Treatment Plant Engineering Services – Hazen and Sawyer, Short Elliot Hendrickson, Wiley Wilson, and Whitman, Requardt & Associates

Ms. Mallek moved that the Board approve the Consent Agenda. Ms. Hildebrand seconded the motion, which passed unanimously (6-0). (Mr. Richardson was absent.)

9. OTHER BUSINESS

a. *Presentation: Rivanna Pump Station Update*

Mr. Mawyer stated that last month he provided an update regarding their progress. He stated that he was pleased to offer additional information, which was accurate as of yesterday. He stated that he would like to express his gratitude to the staff, contractors, and consultant engineers who demonstrated exceptional dedication over the past six to seven weeks. He stated that they had successfully planned and constructed not one, but two temporary pumping systems to ensure that most of the wastewater entering the pump station remained within our wastewater treatment system and was kept out of the streams within the community.

Mr. Mawyer stated that this achievement required significant time, effort, and perseverance, as they worked around the clock in difficult cold and rainy weather conditions. He stated that he was truly appreciative of their hard work. He mentioned that Ms. Whitaker had been instrumental in leading this effort, while Mr. Tungate and Mr. Wood had also played crucial roles. He stated that this project had been a true team effort, with Faulconer Construction serving as a supportive partner alongside other contractors who had contributed significantly.

Mr. Mawyer stated that when functioning correctly, wastewater entered the pump station from the north side (yellow-arrowed location) shown on the displayed map. He stated that it then passed through the pump station before being pumped under Moores Creek to the wastewater treatment facilities. He stated that from there, the wastewater either underwent further processing in the solid handling building before being transported to Waverly, Virginia, or it was cleaned and returned to Moores Creek. He stated that the pumping process was explained earlier, but to recap, they would briefly review some slides to refresh everyone's memory.

Mr. Mawyer stated that the Rivanna Pump Station served the northern half of the City and County, which was indicated in yellow on the map. He stated that it was their largest pump station, handling approximately 60% of their wastewater. He stated that constructed in 2017 at a cost of $31.5 million, this station had the capacity to pump 53 million gallons daily and elevate wastewater 110 feet vertically to reach the headworks. He stated that they had previously shown that wastewater enters the facility through what they called the wet well, an open pit represented by the indicated rectangle on the map.

Mr. Mawyer stated that the wet well's depth varied from seven feet under the covers in the shallow end to 17 feet in the deep end, similar to a swimming pool layout with a deep diving well. He stated that there were two pump rooms, one on each side under the roof. He stated that pipes from these pumps extended into the deep end of the wet well, where they extracted water

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and pumped it through an underground force main pipe to the headworks. He stated that this pipe was called a force main because it operated under pressure, lifting wastewater 110 feet up and over to the headworks.

Mr. Mawyer stated that on the slide was an image of what the gates and aluminum covers looked like. He stated that they were seven feet above the bottom of the well at the shallow end of the wet well. He stated that on the next slide were the pumps they built on the dry sides in the two pump rooms. He stated that the pumps conveyed wastewater upwards thru the vertical piping.

Mr. Mawyer stated that four of the pumps, two in each room, had a capacity of 13 million gallons per day (MGD), while one pump in each room had a 7 MGD pumping capacity. He stated that the pumps did not all operate at the same time or rate. The controls determined how many pumps were needed and at what speed they should run. He stated that the variable frequency drives allowed the pumps to operate at different speeds. He stated that unfortunately, on January 10, the pump rooms were submerged with wastewater, and the wet well was filled to the top of the stems on the gates.

Mr. Pinkston asked if the gates were essentially valves. He asked if they were to turn on or off the wastewater supply.

Mr. Mawyer stated yes, they acted like a valve in the system, controlling the flow of the wastewater by closing the channels within the shallow end. He stated that there were three channels in the shallow end, each equipped with multiple gates that could be opened or closed. He stated that this additional level of control allowed for more precise flow management into the deeper part of the wet well. He stated that there was a main influent gate located on the wall of the wet well that controlled all incoming flow to the wet well.

Mr. Mawyer stated that during this process, workers had to use a boat to install temporary pumping in the wet well. He stated that it also required digging a large hole next to the building to expose the existing force main piping as it exited the pump station en route to the headworks. He stated that the team then removed the elbow from the piping and installed a new setup that connected to the other side.

Mr. Mawyer stated that the temporary pumps in the wet well pumped wastewater around the outside of the pump station to a piping manifold before it was directed vertically back into the permanent pipe and sent to the headworks as usual. He stated that this bypass concept involved routing piping around the building. He stated that once the wet well was sufficiently drained, the aluminum covers and gates were visible. He stated that there were three gates in total, with the main gate located on the wall of the wet well.

Mr. Mawyer stated that as seen in the photograph on the slide, they had installed one pump with its piping emerging vertically from the wet well and connecting to the manifold on the opposite side of the building. He stated that this allowed them to pump wastewater into the treatment process. He stated that the covers in the wet well were removed for this installation. He stated that they had a crew clean the wet well using steam. He stated that in the next picture, they had placed four pumps below the wet well covers, which were part of the 10-MGD system.

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Mr. Mawyer stated that they installed four cross beams in the wet well for structural support when they added larger and heavier 50-MGD piping and pumps. He stated that this required additional structural work. He stated that one of the temporary 13-MGD pumps was shown in the image provided. He stated that they had installed seven of these pumps, which varied in size, and the largest pump was featured in the image. He stated that they needed to remove covers and place pumps in the deep section of the wet well to pump wastewater out of the station.

Mr. Mawyer stated that the next slide showed a large pipe that was a part of the 50-MGD system. He stated that wastewater was directed from the wet well to the manifold, and on its way to the headworks and treatment process. He stated that to achieve the 53 MGD capacity, they had removed the orange manifold capable of 10 MGD, replaced the riser piping, and installed a larger manifold at ground level. He stated that workers completed this task at night to ensure timely completion before potential rainfall. He stated that the new manifold and piping had been assembled successfully.

Mr. Mawyer stated that wastewater flowed through these pipes before descending into the existing force main that led to the headworks treatment process. He stated that by February 14, they had installed seven pipes and seven pumps in the wet well. He stated that the wet well now housed these pipes, which were supported by the steel beams they had installed. He stated that this extensive, expensive, and time-consuming project required heavy equipment, piping, and significant effort from their team to complete successfully.

Mr. O’Connell asked if there was a pump at the end of each of those pipes.

Mr. Mawyer stated yes, there was a pump at the bottom that connected to the manifold before connecting to the main pipe. He stated that this was the concept of the bypass. They installed a new series of piping around the building, transferring all wastewater to the same existing headworks.

Ms. Mallek asked what the black pipes were made from.

Mr. Mawyer stated that it was high-density polyethylene (HDPE).

Mr. Pinkston asked if they made all those connections locally. Ms. Whitaker said the connections were made on site by our staff and contractors.

Mr. Mawyer stated that the main influent gate was installed at the wet well entrance where the 60-inch pipe connects to the wet well. He stated that the slide showed the wastewater flowing below the gate and into the wet well. He stated that the stem extending up the wall was part of the actuator mechanism that raised and lowered the gate. He stated that at the top of the wet well, there was an electric actuator that rotated to control the gate's position. He stated that on January 9 during the incident, the gate would not fully close; instead, it remained half-closed.

Mr. O’Connell asked if all the wastewater from the tunnel was processed through that system.

DRAFT

Mr. Mawyer stated yes, the 60-inch pipe was located behind that gate.

Mr. Gaffney asked if they had determined why it did not close completely.

Mr. Mawyer stated no. He stated that they had not determined the causes, but were conducting a thorough investigation into various aspects, including this one. He stated that another issue they discovered was that there was a stairwell from the ground level of the pump station adjacent to the wet well. He stated that this stairwell led to the wet well's cover level, and water damage had affected the door. He stated that the water damaged the door and filled the stairwell. He stated that they believed most of the water entered through a wall penetration in the stairwell, which was part of the heating, ventilating, and cooling system. He stated that the water then flowed into pump room number two before moving through a corridor into pump room number one.

Mr. Mawyer stated that they had not yet identified all the causes of water entry but these were some of the current hypotheses. He stated that they believed that these factors contributed to the water getting into the dry areas of the pump station.

Mr. O’Connell asked if they could keep the bypass going for an extended period of time.

Mr. Mawyer stated that as long as the pumps were powered and functioning, they would continue to operate properly.

Mr. Sanders asked if they had determined which portion of the bypass system they would maintain in operation after everything had been repaired.

Mr. Mawyer stated that the temporary piping and pumps were rented and would be removed. He stated that they would maintain the permanent manifold connection in this location which could be connected to another bypass system if necessary in the future.

Mr. Gaffney asked if the main gate was functioning properly now.

Mr. Mawyer stated no, not yet.

Mr. O’Connell asked what the grey boxes were in the slide.

Mr. Mawyer stated those were the emergency power generators.

Mr. O’Connell asked if they had an additional electricity bill for this project.

Mr. Mawyer stated that they did not have any significant additional electricity expenses, but would have an additional diesel fuel expense for the temporary generators. He stated that as of yesterday, they connected the building's electrical system to power the temporary pumps instead of relying on the generators and using diesel fuel. He stated that although electricity was not free, it was more cost-effective than diesel fuel. He stated that staff did an excellent job in implementing this solution. He stated that their crew devised an innovative solution at the ground level of the pump station. He stated that fortunately, water never reached above ground level,

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where their motor control and electrical equipment were located. He stated that to power the temporary pumps, they removed a door and constructed a makeshift conduit system for wires and conduits from the pumps to their permanent circuit breakers. He stated that this change was completed yesterday.

He stated that after lowering the water level in the pump rooms around February 8, contractors conducted inspections of the pumps, piping, and assessed potential damage. He stated that they had now completed their assessments and did not find any obvious damage.

Mr. Mawyer stated that they estimated a cost of approximately $6 million for the temporary bypass system to operate through December. He stated that they estimated that replacing the equipment, wiring, pumps, devices, and controllers, along with design and engineering support services would cost about $16.5 million for a total project cost between $20 million and $25 million. He stated that to fund this project, they planned to discuss coverage options with their property insurance company, Virginia Risk Sharing Association (VRSA).

Mr. Mawyer stated that they had “boiler and equipment” coverage through VRSA, but their 313-page policy had numerous exclusions, making it difficult to determine what was covered. He stated that before they could determine coverage, they must complete a causation investigation to determine what caused the issue at the pump station. He stated that the independent engineer was conducting this evaluation, while the engineer of record and VRSA representative were also reviewing the situation at the site.

Mr. Mawyer stated that once they identified the cause of the issue, they would refer back to the policy for coverage details, including amounts and deductibles. He stated that it would be difficult to determine whether they were fully covered for the Rivanna Pump Station repair costs until they had determined what caused the issue. He stated that in the meantime, they had been using their operating budget to pay the bills, amounting to approximately $744,000 so far. He stated that they currently had $11 million in the urban wastewater reserve account and $27 million in total reserves, including the $11 million.

Mr. Mawyer stated that these reserves could cover the charges for a short period. He stated that the payments made would not affect this year's charges for City Utilities or the Service Authority. He stated that Ms. Whitaker would present their proposed Capital Improvement Program that day, while Mr. Woods would present their proposed budget next month. He stated that they planned to include a calculation for a $20 million capital project in next year's CIP. He stated that after recalculating the debt service to support this project, they would include it in the budget proposal next month.

Mr. Mawyer stated that in June, they planned to return to the Board with more information about actual costs and insurance coverage, and request authorization for a capital project between $5 and $20 million. He stated that at that time, they would also propose an amendment to next year's CIP and reimburse this year's operating budget with capital funds. He stated that this year's budget would be based solely on anticipated operating expenses, not burdened by the Rivanna Pump Station repair costs, which would be transferred into the CIP project for repayment through 20-year bonds.

DRAFT

Mr. Mawyer stated that the debt service charges would be allocated to City Utilities and the Service Authority accordingly. He stated that they had developed two options for funding and payment regarding this matter. He mentioned that the proposed Capital Improvement Plan for the next five years amounted to approximately $370 million. He stated that adding another project, such as a $20 million pump station repair, would increase charges for City Utilities in FY 25 by 0.69%. He stated that the Service Authority's charge would increase by 0.59%. He concluded by saying that this was how the project could affect charges from Rivanna to City Utilities and the Service Authority over the next five years.

Ms. Mallek asked if these were annual years rather than cumulative, meaning that each one was independent of each other.

Mr. Mawyer stated yes. He stated that the FY charge increase served as the basis when entering FY 25. He stated that there was a second option to not increase the $370 million CIP for 2025-2029; however, this would require delaying several projects equivalent to the project's increase amount. He stated that if they added $20 million, they must delay $20 million in other project costs. He stated that consequently they had compiled a list primarily consisting of sewer projects that would need to be postponed beyond 2029 to offset the increase from the Rivanna Pump Station project. He stated that this was not limited to wastewater projects; for instance, the Ragged Mtn Reservoir hypolimnetic oxygenation system was a water project which could be delayed.

Mr. Mawyer stated that a project which could be deferred was providing a sanitary sewer connection to the South Rivanna Water Treatment Plant. This delay would require collecting filter backwash at the plant and transporting it by truck to the wastewater treatment facility instead of using the new sewer system connection. He stated that this project would enable them to pipe the backwash directly into the sewer system rather than transporting it by truck. He stated that among other sewer-related projects at Moores Creek were piping, blower builder, ventilation system construction, and determining the future of the sphere and the methane-to-electric generator project.

Mr. Mawyer stated that they also had a significant structural and concrete renovation project which could be deferred, even though these projects were important. He stated that these projects were developed as alternatives that they could offset the cost of the Rivanna pump station by eliminating or postponing other projects. He stated that they did not consider the three water supply projects: Rivanna to Ragged, Ragged to Observatory, and Observatory to Central Water Line as projects to delay. They had worked hard to implement these projects, and he would be disappointed to see them delayed.

Mr. Mawyer stated that after they completed the causation analysis and reached a consensus, they would be able to quantify the extent of insurance support for the damage. He stated that they now had a contractor sanitizing the spaces so that they could enter without wearing protective suits in normal conditions. He stated they continued to estimate the cost of restoring the pump station using permanent equipment.

DRAFT

Mr. Pinkston asked if, regarding the options presented relative to the CIP projects being delayed or continuing, if Mr. Mawyer wanted a decision today or wanted to hear back from insurance first.

Mr. Mawyer stated that they would prefer to wait until there was more information about reimbursement from the insurance company. He stated that the summary detailed that seven pumps and pipes were installed by February 14 to complete the 53 MGD bypass. He stated that the pump rooms had been drained of water, some equipment had been tested, and engineers had been working on independent causation studies. He stated that Belfor was sanitizing the space; they had completed the pump rooms and stairs, and would conduct a closed-circuit TV inspection of the ductwork to assess damage or accumulated debris before disinfecting them.

Mr. Mawyer stated that coordination with the insurance company's engineer continued, and there had been no wastewater discharge or overflow since January 19, when purposeful discharges emptied the pump station. He stated that the estimated restoration cost was between $20 million and $25 million, and a CIP project proposal for June aimed to fund this project and reimburse operating expenses.

Mr. Pinkston asked if these slides could be pulled from the packet and provided separately. He explained that he wished to share them with his colleagues on the council.

Mr. Gaffney asked if there were, in essence, three parties that had to agree on causation.

Mr. Mawyer stated that there was RWSA and VRSA.

Mr. Gaffney asked if it also pertained to the engineer who designed the system.

Mr. Mawyer stated that they were doing their own assessment.

Mr. Gaffney stated that would be a third party. He asked if their insurance might be involved in paying for it as well.

Mr. Mawyer stated that he was uncertain about that detail; however, it appeared to be a possibility.

Mr. Mawyer stated that they had heard of statutes of limitations and whether there would be any applicable to the original design engineer or construction contractor. He stated that he was uncertain about this matter, as it involved legal and insurance aspects.

Mr. Gaffney asked if Mr. Wood was the only one looking at the insurance contract, or if they had legal staff as well.

Mr. Mawyer stated that they forwarded the policy to legal for review.

Mr. Gaffney asked if there were any comments on the policy yet.

DRAFT

Ms. Long stated that there were none that were appropriate at this time. She stated that the most important thing was identifying the cause first, and anything else would be premature.

Mr. Mawyer stated that while there had been discussions, they had not formed any conclusive thoughts on the matter.

Mr. Gaffney asked if causation referred to who agreed.

Mr. Mawyer stated that it would be who agreed on what the cause was.

Mr. O'Connell asked what the timeframe was on determining this.

Mr. Mawyer stated that they expected to receive the independent assessment by the end of March. He stated that after receiving it, they would proceed into the review and negotiation process with the involved parties to determine if they agreed with the insurance company's evaluation based on their independent engineer's findings. He stated that this process was likely to take several months, possibly concluding by June. He stated that at that time, they hoped to have more accurate information to decide whether they needed to fund a $20 million project, a $5 million project, or would have no project costs. He stated that they anticipated that they would need to allocate some funds during this period.

Mr. O'Connell asked if there had been a discussion about potentially making some design improvements.

Mr. Mawyer stated that they would consider the findings of the causation analysis to identify what went wrong. He stated that once they determined the issues, they would make design changes to prevent recurrence. He stated for instance, they recently installed plates over ductwork penetrations in stairwell walls to avoid future problems. He stated that they must address the HVAC system's placement in stairwells. He stated that if not properly installed, stairwells become confined spaces requiring protective gear for anyone to enter those spaces. He stated that HVAC connections in stairwells served safety purposes. He stated that they could consider raising the HVAC system higher and implementing other overflow-proof design elements.

Mr. Mawyer also stated that their current pumps were not submersible; they may need alternative pumps capable of operating when submerged in case of future incidents. He stated that they had many decisions to make based on these considerations. He stated that they were not discussing remodeling or demolishing any portions of the building. He stated that they were considering altering the devices within the structure and if they could replace those devices or arrange them in a different configuration.

Mr. Pinkston stated that he was assuming that the causation analysis would involve a thorough examination of the control system.

Mr. Mawyer stated that they had SCADA data, which was the control data that was being reviewed to determine how the pumps were operating throughout the process and what the

DRAFT

controls were communicating with the pumps. He stated that this information was part of the evaluation and was highly valuable and relevant.

Mr. Pinkston stated that he found the situation difficult and challenging; however, he was impressed by the way everyone had stepped up and implemented the temporary solution. He stated that in the past, when he worked in the process industry, he understood the significance of addressing issues related to pumps and pipes, as this was no small matter. He stated that he wanted to express his extreme gratitude for everyone's hard work and dedication.

b. Presentation: Organizational Agreements of the RWSA

Mr. Mawyer stated that during the budgeting process each year, he reviewed various agreements and documents to provide guidance and direction for allocating costs for their projects. He stated that their foundation documents began with the Articles of Incorporation in 1972 when the City and County established the Rivanna Water and Sewer Authority. He stated that at that time, there were five board members: two from the city, two from the County, and one appointed member. He stated that in 2022, they successfully obtained a concurrent resolution to reauthorize the RWSA at their 50-year anniversary, as required by the Virginia Water and Sewer Authority Act.

Mr. Mawyer mentioned that the four-party agreement outlined their requirements for allocating facilities and costs, reflecting their role as the sole water and sewer provider in the community. He stated that bylaws were created in 1973 and had been amended several times since then. He stated that in 2009, the Articles were amended to increase the Board size from five to seven members and added two elected officials. He stated that the City reorganized and created a Department of Utilities in 2017, allocating the director position to the RWSA board, and the Public Works Director to the Solid Waste Board.

Mr. Mawyer added that the bylaws had been revised multiple times, including a change in meeting schedules from the third Monday to the fourth Monday. He stated that in 2014, the Board allowed remote participation for its members. He stated that since his arrival in 2016, they had increased contract authorization for the Executive Director. He stated that in 2022, they adopted a remote participation policy that enabled virtual meetings and remote participation by board members. He acknowledged that the challenge with amending the bylaws was that every member must be present to make changes, and the same was true for the Solid Waste Board.

Mr. Mawyer explained that when constructing infrastructure, they created working agreements that outlined who would pay for the project between City Utilities and the Service Authority. He stated that over the years, several such agreements had been established, including a Joint Resolution in 1983 which purchased the Buck Mountain property; the Southern Loop Agreement in 1987 which facilitated construction of the western branch of a major piping system and planned for the southern loop of what was now known as the Central Waterline Project; and the Southern Rivanna Water Treatment Plant expansion in 2003, which involved negotiations over who would pay for the project and who would benefit from its increased capacity.

Mr. Mawyer stated that the most frequently discussed agreement was the Ragged Mountain Dam Agreement from 2012, which was crucial to the community water supply plan. He stated that this plan called for expanding the Ragged Mountain Reservoir by building a new dam and installing

DRAFT

a new pipe from the Rivanna Reservoir to Ragged to fill the larger reservoir, as the pipes from Sugar Hollow were aging.

Mr. Mawyer explained that the water cost allocation was the financial aspect of the Ragged Mountain agreement where it was agreed that the Service Authority would pay 85% of the dam costs, while the City Utilities would pay 15%. He stated that additionally, the Service Authority would cover 80% of the pipeline costs, with the City Utilities contributing 20%. He stated that in 2019, a Joint Agreement led to the termination of the Buck Mountain surcharge when it became evident that the Buck Mountain Reservoir would not be constructed.

Mr. Mawyer stated that in 2020, the observatory water plant upgrade, including the raw water piping allocation agreement, was finalized, committing all parties to the Central Waterline Project. He mentioned that after several years of negotiation, the observatory water treatment plant ground lease renewal with the university was achieved, securing a 49-year lease at $175,000 per year, replacing the previous $30,000 annual fee. He stated that this lease featured an indexed payment system that increased annually but was reassessed every 10 years.

Mr. Mawyer stated that the Northern Area Drinking Water Projects Agreement was also completed in 2020, stipulating that for all Rivanna facilities north of the South Rivanna River, the Service Authority would be responsible for 100% of their costs. He stated that most recently, the first amendment to the Ragged Mountain Dam Project Agreement was approved, allowing for an increase in community water supply by adding approximately 700 million gallons earlier than initially specified when the agreement was made in 2012. He stated that over the past 51 years, these foundational documents have provided guidance and direction for the organization, and Mr. Wood and his staff have effectively allocated and managed these agreements to ensure that budgets are appropriately distributed.

Mr. O’Connell asked if there were any expected upcoming agreements. He stated that he was unaware of any, but there had been a lot to consider.

Mr. Mawyer stated no. He stated that in 2012, the four-party agreement expired; however, it remained legally active due to the caveat that the City and County must pay their share of the bonds if they wished to withdraw from the authority. He stated that this agreement was based on the assumption that the City could only contract for 40 years. He noted that recent information suggested that longer agreements may be possible with Rivanna and the City as examples.

Mr. O’Connell asked if it was perpetual in essence because of the bonds issued.

Mr. Gaffney stated that anyone who wished to leave must pay their share of the bonds.

Mr. Pinkston asked what parties were involved.

Mr. Mawyer stated that it was the City, Rivanna, the Service Authority, and the County.

Mr. Pinkston asked if there was any wisdom in updating it.

DRAFT

Mr. Gaffney stated that the main question was whether there was a need for any changes.

Mr. O'Connell stated that updating the agreement and anything that it referenced could create a lot of work.

Ms. Long stated that it referenced the 1972 agreement as amended because it had been amended several times. She stated that it may be something worth looking at only because most of, if not all of the actions contemplated by the original agreement, had since occurred. She stated that many of the written actions had already been done and they finished some of those last items recently. She stated that it might make sense.

Ms. Long stated that it might make it more user-friendly for citizens. She stated that it was hard to read and following along in the terminology was challenging, as she experienced herself when she read it the first time. She stated that it was a different way of doing business then.

Mr. O'Connell stated that he believed there would be no additional cost allocation. He stated that the capacity issue had been resolved—whether it was capacity or non-capacity related. He stated that they had reached a settled and resolved decision.

Mr. Mawyer stated that the general guideline stated that if it was a non-capacity project, it did not increase infrastructure capacity; instead, it renewed existing infrastructure. He stated that the Service Authority and City Utilities currently had a 52 % - 48% allocation, but for capacity projects, when someone wanted to expand such as requiring a larger water storage tank or water line, they determined the appropriate cost allocation for City Utilities versus the Service Authority. He stated that over the past six to seven years, they had been successful in addressing these needs.

Ms. Mallek stated that the 50-year water supply plan had been established, so they should maintain their current location for its implementation.

Mr. Mawyer stated this presentation was to prepare the Board for what would be proposed in the budget and capital projects.

c. Presentation: Introduction of FY 25–29 CIP

Ms. Whitaker stated that she was pleased to introduce the FY25 - 29 Capital Improvement Program to the Board. She stated that several board members had seen parts of this program up until now. She stated that this was a culmination of a process that they started in July of each year and had been working on for almost nine months, involving staff from engineering, maintenance, operations, and finance. She stated that this was an authority-wide program and document.

Ms. Whitaker stated that six key goals had been kept in mind while building the CIP. She stated that one was to ensure that their water and wastewater infrastructure remained reliable and that they could comply with regulatory requirements - this was fundamental to who they were and what they did. She stated that many of the projects here contributed to this goal. She stated the second was to focus on the community water supply plan and build it out in anticipation of

DRAFT

climate change impacts seen throughout the United States. She stated that they were looking at the reliability and resilience of the water supply program on both the drinking water side and the treatment and convenience side.

Ms. Whitaker stated the third goal was to address critical infrastructure by tying together previously unconnected elements. She stated that for example, they were looking at the Central Waterline and connections up to the northern part of the County to provide water to the urban system. She stated that the fourth goal was to continue enhancing their abilities to address emerging contaminants. She stated that on both the water and wastewater side, contaminants and emerging contaminants continued to be a significant issue that they must address going forward. She stated that there were a few grant-funded contaminant projects, and this would likely remain on their list for many years.

Ms. Whitaker stated that the fifth item involved leveraging partnerships with the City, utilities, UVA, VDOT, and the County in some cases. She stated that this entailed taking advantage of opportunities such as roadway projects, to avoid duplicating work and minimizing disruption to citizens in their community while constructing these projects. She stated that the last item on the list represented their overarching values from their strategic plan: completing projects in an environmentally protected manner and in a financially responsible manner. She stated that this theme was central to their CIP for that year.

Ms. Whitaker stated that the CIP included 64 projects totaling $371 million; 60% of these projects were urban water projects, 21% were urban wastewater projects, while non-urban projects and shared-use projects accounted for $71 million or 19% of the total. She stated that later she would discuss funding and finance in more detail but for now, she would provide an overview of how the $371 million was broken down in comparison to existing debt proceeds, cash reserves, available grants, and anticipated new debt requirements.

Ms. Whitaker stated that last year's CIP totaled $326 million; they completed $43.9 million worth of projects, which were removed from their records. She stated that they added $47.3 million worth of new projects into FY29, including seven new projects totaling $2.6 million. She stated that they accelerated one project, the South Rivanna to Ragged Mountain pipeline pump station and intake. She stated that they accounted for inflation and scope additions, which amounted to $25 million, resulting in the total CIP amount of $371 million.

Ms. Whitaker stated that there were various methods that could be employed to analyze these projects. She stated that they sometimes presented them based on urban water or urban wastewater, while other times they categorized them in other ways. She stated that they grouped projects by categories they deemed significant. She stated that these included $18 million for water treatment plant projects, $122 million for capacity projects addressing specific and system-wide needs, and $63 million for operation and maintenance including safety enhancements.

Ms. Whitaker stated that regulatory projects totaled $50 million, encompassing dam upgrades and the North Rivanna water treatment plant decommissioning. She stated that reliability and redundancy projects amounted to $117 million. She stated that while many projects could fit into multiple categories, they placed them where their primary need was most apparent. She stated

DRAFT

that they consistently emphasized their capital improvement program in their community water supply plan discussions. She stated that each of the six main projects listed their expected construction dates, associated dollar values, and City utilities/ACSA allocations.

Ms. Whitaker stated that over the past 10 years, they had significantly improved their capital improvement planning process. She stated that when she joined the authority 20 years ago, there was no such process in place. She stated that projects were accomplished individually. She stated that now, they had attempted to get into a programmatic method, and they planned for a 20-year horizon. She stated that the five-year CIP was $371 million, the ten-year was $104 million, and the fifteen-year was $107 million, totaling $582 milling. She

Ms. Whitaker stated that this figure did account for $20 million in grants but did not include larger grant programs, such as the $50 million for the South Rivanna to Ragged Pipeline project that was currently pending. She stated that the presented data aimed to clarify future rate discussions and rate increases. She stated that the graph illustrated the past five years' capital expenditures from various perspectives and showed an increase in projects. She stated that the next five-year chunk, or FY 25 - 29, represented a significant spike in projects within the five-year CIP.

Ms. Whitaker stated that the spike was driven primarily by community water supply projects. She stated that at the 20-year mark, there was a surge in projects due to upgrades for the Moores Creek wastewater treatment plant. She stated that current predictions suggested that CIP numbers may not drop as dramatically in the 10- and 15-year window, and unforeseen regulatory issues and other factors might necessitate adjustments. She stated that the lower predictions in CIP numbers could absorb some of these changes without requiring drastic rate increases in the next five years.

Ms. Whitaker stated that charge increases for rates included grants and reimbursement for some of the central waterline projects. She stated that it included increases to operating expenses and a 1% flow shift from ACSA to City utilities. She stated that these rates were based on flow-dependent factors, which would be further discussed next month. She stated ghat the flow-based nature of these rates meant that changes in the flow of each entity could significantly impact the final calculations.

Mr. Gaffney asked what was meant by the shift from ACSA to city utilities.

Ms. Whitaker stated that every year, the calculated total was determined, and this year, 1% of water and wastewater had been allocated to the City. She stated that the increase was more than what was anticipated but rather an increase from last year's figures.

Ms. Whitaker stated that out of 64 projects, she would cover 14. She stated that the first project was the Airport Road water pump station and piping system, which was currently under construction and connected the urban pressure zone to the Piney Mountain area, just north of Coles. She stated that it replaced the temporary Coles pump station visible along Route 29. She stated that this permanent solution would enhance capacity and service while providing a backup generator for increased reliability, with completion anticipated by year's end.

DRAFT

Ms. Whitaker stated that the Moores Creek 5kV electrical system upgrade had been discussed multiple times. She stated that their plant utilized a 5-kilovolt electrical system throughout its operations, which was the backbone of what kept everything powered. She stated that the red stars visible in all the pictures represented key locations where they had replaced not only wires but also the switchgear associated with those wires in order to revitalize the electrical system at this plant.

Ms. Whitaker stated that this project had been most significantly impacted by supply chain issues, particularly obtaining electrical equipment. She stated that gear was now starting to arrive, and they anticipated construction activity to pick up again in the coming months. She stated that the project's cost was split 48-52%, and they expected completion by the end of the year.

Ms. Whitaker stated that the next project was the Red Hill Water Treatment Plant upgrade. She stated that they had submitted bids for this project just two months ago but had to inform that the bids came in significantly over budget. She stated that they were working with the contractor to reduce some of the costs and planned to present the contract award proposal next month. She stated that the project would receive grant funding from the County, which was part of the ARPA program. She stated that the funding would cover the addition of GAC, as well as a substantial upgrade of chemical treatment processes and employee work lab space.

Ms. Whitaker stated that they were on the verge of securing two of the three easements required for the South Rivanna River Crossing project. She stated one was with the County, and one was with Dominion Power. She stated that unfortunately, they were currently 90% designed for this project, and they had one easement that was currently in limbo between VDOT and Hunter Wood. She stated that as soon as they could obtain that easement, they would immediately proceed with bidding and construction. She stated that this project was entirely funded by ACSA.

Mr. Gaffney asked if the ACSA was involved in negotiations for the last easement.

Ms. Whitaker stated that they had been acting as facilitators in this situation. She stated that they had gone to VDOT and stated that this issue had become crucial for them. She stated both parties had been working diligently to address the problem. She stated that VDOT could not grant them a land use permit, and Hunter could not grant them an easement while negotiations were ongoing. She stated that they found themselves in a precarious position, and the situation was delaying the project.

Ms. Whitaker stated that their next project was the Crozet Water Treatment Plant GAC Expansion Phase One. She stated that this project was primarily funded by the VDH grant, which they had received to tackle emerging contaminant issues. She stated that they would be increasing their granular activated carbon capacity in Crozet to treat various contaminants, including DBPs (disinfection byproducts). She stated that as new emerging contaminants became regulated, these facilities would also be used to address them, such as PFAS. She stated they anticipated completing this project between 2025 and 2026 at a cost of $6.6 million. She stated that this was a 100% Authority project.

DRAFT

Ms. Whitaker stated that their next project involved renovating Moores Creek and constructing an administrative building. She stated that they planned to begin construction within a year. She stated that they were currently working with an educational exhibit designer to develop both the architectural and educational components of an educational center that would be incorporated into the building. She stated that $20 million was currently allocated for this project in the CIP.

Ms. Whitaker stated that the Ragged Mountain Observatory Pump Station Waterline Project had been discussed extensively. She stated the project replaced two waterlines: one 70 years old and another 110 years old. She stated it also replaced the two pump stations serving those lines. She stated that the new system would have uniform control over the pipe and pump stations.

Ms. Whitaker stated the pump station served two purposes: pumping water from Ragged Mountain to the Observatory Hill treatment plant and boosting water from South Rivanna to Ragged Mountain when constructed. She stated that interlocking operating points allowed for these functions within one building. She stated that the map showed the approximate location of the existing mains, while the isometric diagram on the right illustrated the interior and exterior of the new pump station located at Fox Haven Farm.

Ms. Whitaker stated that the project's budget was $46 million, with separate costs listed for piping and pumping. She stated that value engineering work had been conducted in collaboration with UVA Foundation, which provided the property. She stated the design was currently at 90% completion, and the project would go to bid this spring. She stated that in early April, a contractor's breakfast would be held for this project and the Central Waterline, aiming to generate interest from contractors along the East Coast for better pricing on the work.

Mr. O'Connell asked for clarification about the pipeline.

Ms. Whitaker stated that the layout of the pump station would allow for the addition of two more pumps within the building. She stated that the interconnecting pipeline was already constructed. She stated they would connect the pipe from the South Rivanna Reservoir to Ivy Road 250 head of Birdwood Golf Course. She stated that upon completion of this tie-in, they would be fully connected to both Observatory and Ragged Mountain.

Mr. Gaffney asked if the same pipe transported water from Ragged to the pump station and from South Fork to the pump station. He asked if there were different pumps.

Ms. Whitaker stated that where they could perform both functions, there were two pipes; however, at all other sites, there was only one single pipe.

Ms. Whitaker stated that the pump station would involve a complex control scenario allowing them to open and close different valves, controlling flow to various locations based on specific requirements.

Ms. Whitaker stated that the central waterline project originated from the UVA campus. She stated that the pipeline came through town along Cherry Avenue before reaching Rosie Brown.

DRAFT

She stated that an additional piece would be constructed in the future, connecting to West Main Street and eventually leading to Free Bridge. She stated that the pipeline aimed to interconnect the distribution systems between the South Fork Treatment Plant and the Observatory Treatment Plant, allowing them to transfer treated water from each facility to other parts of the City or County. She stated that this improved their ability to move water efficiently and increased their resilience in times of drought or high demand.

Ms. Whitaker stated that currently, there were limitations in place that restricted their capacity to move water effectively within the system. She stated that these limitations impacted drought management, production levels, and operating hours across the entire system. She stated the pipeline project was currently 60% complete, with 90% design drawings recently received. She stated they anticipated bidding for the project in late spring or summer, aiming to complete it by the end of the year. She stated the budget for this project was $47 million, with $4 million allocated to City utility-specific projects being carried out concurrently.

Ms. Whitaker stated the Emmet Street water line was a collaborative effort between various stakeholders, including VDOT, UVA, and the City. She stated their goal was to take advantage of ongoing work in the area to upgrade the water main infrastructure efficiently. She stated that they had multiple phases in their project, which would be implemented over several years. She stated that the portion directly related to UVA had already been completed, and the next phase involved improvements along Route 29 Emmett Street, from just north of Ivy Road to Arlington Boulevard.

Ms. Whitaker stated that the next project focused on the Moores Creek Building upfits and gravity thickener improvements. She stated that their wastewater operations department initially had fewer than five or six employees when the operating facilities were built. She stated that the maintenance facilities were designed for a staff of five or six people, but they now had 16 to 20 people in each group, exceeding the capacity of their current facilities. She stated that they needed significant renovations and upgrades for these buildings that housed their staff, along with improvements in showers, plumbing, electrical systems, and energy efficiency.

Ms. Whitaker stated that process improvements such as chemical feed and sludge line cleanouts at their gravity thickeners would be implemented. She stated that they had completed a PER, which placed them at 25-30% design completion. She stated that after the meeting, they would proceed with full-blown design work.

Ms. Whitaker stated that regarding Beaver Creek Dam Modifications, in their previous discussions, they had considered making changes to the Beaver Creek Dam, pump station, and piping systems. She stated that they anticipated replacing the Beaver Creek spillway with an elaborate spillway, also known as an accordion spillway. She stated that they planned to replace the Beaver Creek pump station, which was located at the toe of the dam. She stated that due to the installation of the spillway, they must relocate the pump station to shore. She stated the new pump station would be situated on the south side of the dam, just south of the existing structure.

Ms. Whitaker stated that they had been collaborating with Albemarle County Parks to secure necessary permissions for this project. She stated the NRCS funded project was currently in the

DRAFT

design phase. She stated that the NRCS had provided funding for pre-work and design, and they expected to receive up to $17 million from the federal government for construction once they proceeded with that stage. She stated that the total estimated cost for this project was approximately $49 million.

Ms. Whitaker stated that regarding Moores Creek Structural and Concrete Rehabilitation, it was currently on the cutting board for the Rivanna Pump Station. She stated that the concrete structures at this plant ranged from 40 to 50 years old. She stated that they planned to address joint rehabilitation and concrete spalling in the original basins located at the rear of the plant.

Ms. Whitaker stated that they intended to conduct concrete repair work in the EQ basins situated outside the plant. She stated that they were also anticipating installing a crane for pulling purposes. She stated that currently, they needed to bring in a mobile crane every time they removed a recirculating pump, and they would like to implement a lifting system that eliminated this requirement. She stated that this project included some interim repairs to their digestive complex.

Ms. Whitaker stated that the Crozet Pump Station Rehabilitation Project involved four pump stations. She stated that wastewater ultimately daylighted into the gravity system, flowing around the west side of Charlottesville and all the way around to the Moores Creek Wastewater Facility. She stated the pumps were designed in succession and not all to be of the same size. She stated the project aimed not only to rehabilitate the pump stations but also to ensure that all four pump stations could pump the same capacity and provide consistent flow into the community.

Ms. Whitaker stated that these facilities were built in the early 1980s, and components such as roofs, pumps, and valves had started to show signs of aging and cause problems after 40 years of use. She stated that this was a comprehensive upgrade of these facilities, and they were currently at about 30% design stage, with construction set to begin in 2025 at an estimated cost of approximately $11 million.

Ms. Whitaker stated that they had made significant progress on the South Fork to Ragged Mountain Pipeline and Intake Project recently, which was worth mentioning. She stated that they had obtained all easements except for those belonging to UVA at O'Hill. She stated that they were currently in the final stages of negotiation with UVA and expected to receive documents by the 15th of March, if not sooner.

Ms. Whitaker stated that they had also had several extended conversations with them regarding the requirements in those documents. She stated that the project was almost fully permitted regarding land rights. She stated that they did not anticipate many trails being lost due to this rise in water level at Ragged Mountain; however, some trails that had formed over time near the water's edge may be affected.

Ms. Whitaker stated that the project encompassed several tasks, including raising the pool at Ragged Mountain, involving clearing around the reservoir and altering the intake tower. She stated that it included constructing a pipeline from the South Rivanna Treatment Plant to Ivy Road, and developing a large intake and pump station at the South Rivanna Treatment Plant boat

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ramp area. She stated that the total budget for these tasks was approximately $85 million, with a split between City and County funds.

Ms. Whitaker stated the next six tables she would present were in the Board's materials. She stated that one table presented project costs, funding in place, and last year's CIP compared to the presented CIP. She stated that the second table displayed the entire CIP broken down by major systems, identifying funding in place for those systems, new debt requirements, grants, and percent allocations for each. She stated that the third table focused on CIP adjustments for urban water, urban wastewater, and non-urban systems, detailing anticipated additional funding for years 6 through 10 and 11 through 15. She stated that tables 4, 5, and 6 provided similar information for ACSA, city utilities, and RWSA, respectively.

Ms. Whitaker stated that the CIP included 64 projects totaling $371 million, prioritized based on six tenets: reliability, community water supply program, infrastructure improvements, environmental stewardship, economic development, and fiscal responsibility.

Mr. Pinkston stated that in a few years' time, they were discussing having close to half a billion dollars in bonds. He asked if there was some sort of metric or benchmark they could use for comparison in terms of other localities.

Mr. Wood stated that last year they conducted a metric comparison of AAA bond ratings against AA ratings and compared their performance to other double A and triple A ratings in Virginia. He stated that although he did not have the exact figures at hand, one of the key metrics considered was the debt service ratio. He stated that this ratio represented the excess revenue remaining after covering operating expenses.

Mr. Wood stated that in their case, the required ratio was 1.0, meaning they must have $1 of excess for every $1 of debt payment. He stated that traditionally, their debt service ratio had been around 1.2. He stated that in contrast, AAA ratings typically had debt service ratios of 2.5. He stated that this metric was crucial for evaluating revenue bond issues in the industry.

Mr. Wood stated that they considered liquidity when examining their financial position. He stated that when looking at their balance sheet, one observed their excess reserves available for situations like pump station emergencies. He stated that liquidity was another crucial metric, distinct from limited debt, which varied among localities.

Mr. Pinkston asked if the 1.2 ration was current or projected for 2029.

Mr. Wood stated that last year they measured their data for the 2023 or 2024 audit. He stated that during that time, their measurement was 1.2. He stated that it had been as high as 1.6 and 1.7.

Mr. Pinkston asked if there were concerns about maintaining the ratio.

Mr. Wood stated that they were committed to increasing their revenue to meet the required ratio charge. He stated that they would examine this further next month, at which time he would demonstrate their debt service charge calculation process.

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Mr. Pinkston stated that in previous projects, there were significant percentage increases before reaching this point. He stated that although he appreciated the proposed projects and believed they were necessary, but this growth in rates was still substantial.

Mr. Wood stated that they had accelerated these projects significantly over the last two years, particularly the pipeline project. He stated that this was since they originally planned these projects when there would be an anticipated drop in existing debt around 2031, which was estimated at approximately $20-$30 million.

Mr. Pinkston stated that investments in their water supply were necessary, particularly given the changing climate.

Mr. O'Connell stated that it raised a question about consumer rates and what was affordable. He stated that the cost of these projects would create an 84 % increase in retail costs over the next five to six years, but all for much needed projects.

Ms. Mallek stated that for the past 20 years, they had delayed projects because of potential rate increases. She stated that the anticipated doubling of the pipeline's cost shocked her when she read through her packet, as this postponement had created significant cost increases. She stated that she was grateful that they were accelerating projects now.

Mr. Pinkston stated that was a really good point about the increase in costs from delaying projects, since he did not have the same historical knowledge about these utility projects.

Mr. Sanders said the City was facing the same cost increase issues with their infrastructure and schools from delaying projects in the past.

Mr. Pinkston agreed that delays had created funding issues with Jails, schools and sidewalks in the City.

Mr. Wood stated that the Southern Loop Project was originally conceptualized in the 1980s, and since then, it had been postponed.

Mr. Gaffney stated that when Ms. Whitaker started her presentation about 64 projects in the CIP, she said in 2002 or 2003 they had one capital project that they completed. He stated that they had to rebuild the entire wastewater system since then because they were under a consent order from the DEQ. He stated that since that time, they had been playing catch-up for 25 years and still were.

Ms. Whitaker stated that the initial Ragged Mountain Pump Station and Ragged to Observatory Pipeline project were included in the 2006 CIP. She stated that they had intended to construct them; however, they received a consent order concerning their wastewater system. She stated that as a result, the project was removed from the CIP, and it remained uncompleted at that time. She stated that the construction was yet to begin.

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10. OTHER ITEMS FROM BOARD/STAFF NOT ON AGENDA

There were none.

11. CLOSED MEETING

There was no reason for a closed meeting.

12. ADJOURNMENT

At 4:04 p.m., Mr. Pinkston moved to adjourn the meeting of the Rivanna Water and Sewer Authority. Ms. Mallek seconded the motion, which passed unanimously (6-0). (Mr. Richardson was absent.)

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RIVANNA WATER & SEWER AUTHORITY
695 Moores Creek Lane | Charlottesville, Virginia 22902-9016
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434.293.8858
www.rivanna.org

MEMORANDUM

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

FROM: **BILL MAWYER, EXECUTIVE DIRECTOR**

SUBJECT: **EXECUTIVE DIRECTOR'S REPORT**

DATE: **MARCH 26, 2024**

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

New Team Members and Positions

- We were pleased to recently add a new team member:
  - Stephanie Deal – Finance Manager

- To promote Seth Marshall to Relief Operator, Water Department

- And to improve the professional qualifications of our staff. We congratulate the following employees for successfully completing the test requirements for a higher license from the State:

  - Bonnie Eveleth, Water Operator - Class 1
  - Haider Alsafee, Water Operator - Class 1

STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION

Community Meeting

On March 14th, staff participated in a community meeting in White Hall regarding the Sugar Hollow Dam. Victoria Fort, RWSA Senior Civil Engineer, provided an informative presentation for the group regarding dam safety. We were happy to meet with community neighbors and will include several from the community in the evaluation of safety alternatives.

Facility Tours

We had the pleasure of taking the leadership team from the Charlottesville-Albemarle Airport on a tour of our facilities on February 29, 2024. Their team included Jason Burch, CEO; Chris White, COO; Stewart Key, PIO; and Penny Shifflett, CFO. After the driving tour, we provided a virtual overview of our operations.

We hosted several ACSA staff, 2 ACSA Board Members, and RWSA Board Chair, Mike Gaffney for an in-person tour of the Rivanna Pump Station on March 22nd to view the ongoing work.

Virginia Water and Waste Authorities Association

I attended the Virginia Water and Waste Authorities Association Director's meeting hosted by Augusta Water. We discussed upcoming proposed changes to legislation that would impact on our authority, and planned the annual meeting to be held in Staunton on April 8.

Rivanna River Basin Commission

I provided a presentation about the Rivanna Pump Station to the Rivanna River Basin Commission (RRBC) on March 19th. The RRBC is a regional organization with representation from Albemarle County, City of Charlottesville, as well as other surrounding localities. RRBC provides guidance for the stewardship of our water resources.

Land Use and Environmental Planning Committee

I provided a presentation on the community's Water Supply Projects to the Land Use and Environmental Planning Committee with County of Albemarle, City of Charlottesville, and University of Virginia representatives attending.

STRATEGIC PLAN PRIORITY: ENVIRONMENTAL STEWARDSHIP

Fix A Leak Week

We will celebrate Fix A Leak Week from March 18-24, 2024 and join the City and ACSA in hosting a Home Fix A Leak Scavenger Hunt to encourage our commmunity to save water. Events are free and open to anyone in the City of Charlottesville and Albemarle County. Completed worksheets received by April 12th will be entered to win special prizes.

Rivanna Conservation Alliance

We partnered with the Rivanna Conservation Alliance again this year with its spring, half-day Watershed Education Program. Several of our staff enjoyed helping local 6th grade students at one of three informational, hands-on stations:

- water quality testing
- stream sampling
- watershed games

STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE

Rivanna Pump Station

Bypass Pumping – In the last 30 days, we have completed the installation of the 55 mgd bypass pumping system; removed all the temporary pumps from generator power and tied them into normal utility power; programmed temporary controls and converted the bypass pumps to automated operation. Temporary generators and fuel cubes have been removed from site, negating the need for a VDEQ temporary air quality permit, and saving $50,000-$75,000 per month in operating costs.

Insurance - Our Insurance carrier, VRSA, and its representatives performed a site inspection on March 4th and witnessed the disassembly of pump and motor no. 2 on March 18th. RWSA has provided VRSA with as-built drawings of the pump station, as well as the emergency repair construction contracts and project invoices as well as initial photo and video documentation. VRSA is awaiting the findings of the final investigation report, expected to be complete in early April.

Investigation and Rehabilitation – SEH Engineers completed its independent field investigations and performed a damage assessment inspection on the pump station electrical system. SEH is compiling its findings, drafting the investigation memo and the supporting appendices. Hazen Engineers, original project design engineer, has worked on identifying and coordinating removal and inspection of equipment. MEB Contractors assisted with draining of the interior pump station piping followed by the dismantling, cleaning, packaging, and removal of all six permanent pumps and motors. The pumps and motors are being shipped to a factory facility in South Carolina for evaluation. The motor operated plug valves and check valves were inspected in place by manufacturer representatives. A low flow inspection of the 60" influent gate was conducted on March 18th. Hazen is assisting our staff in identifying key replacement equipment and manufacturer replacement schedules.

Contractor Information Meeting

To encourage participation in our competitive construction bidding process, we will host a Contractor Information Meeting on April 11 at the Doubletree Hotel. During this meeting, we will review four major piping projects to be constructed over the 2024 – 2030 timeframe including:

- Ragged Mtn to Observatory Water Line and Pump Station
- Central Water Line
- South Rivanna River Crossing
- South Rivanna to Ragged Mtn Water Line and Pump Station

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MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: LONNIE WOOD, DIRECTOR OF FINANCE AND INFORMATION TECHNOLOGY

REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: JANUARY MONTHLY FINANCIAL SUMMARY – FY 2024

DATE: MARCH 26, 2024

Financial Snapshot

The Authority has an overall net surplus of $271,200 for the first seven months of this fiscal year due to operating rate revenue being above average and receipt of the annual septage receiving support from the County in July. Total revenues are $1,295,000 over budget estimates and total expenses are $1,023,800 over budget. Urban Water flows and operations rate revenue are 2.9% above budget estimates, and Urban Wastewater flows and operations rate revenue are 6.2% over budget. Revenues and expenses are summarized in the table below:

	Urban Water	Urban Wastewater	Total Other Rate Centers	Total Authority
Operations				
Revenues	$ 6,203,684	$ 6,610,739	$ 1,664,371	$ 14,478,794
Expenses	(6,401,968)	(6,303,486)	(1,673,450)	(14,378,904)
Surplus (deficit)	$ (198,284)	$ 307,253	$ (9,079)	$ 99,890
Debt Service				
Revenues	$ 6,494,220	$ 6,101,500	$ 1,577,420	$ 14,173,140
Expenses	(6,439,545)	(5,995,671)	(1,566,634)	(14,001,850)
Surplus (deficit)	$ 54,675	$ 105,829	$ 10,786	$ 171,290
Total				
Revenues	$ 12,697,904	$ 12,712,239	$ 3,241,791	$ 28,651,934
Expenses	(12,841,513)	(12,299,157)	(3,240,084)	(28,380,754)
Surplus (deficit)	$ (143,609)	$ 413,082	$ 1,707	$ 271,180

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 Authority's total operating revenues through January are $707,600 over the prorated annual budget estimates, and operating expenses are over the prorated annual budget by $607,700, resulting in a net operating surplus of $99,900. The following comments explain most of the other budget vs. actual variances.

A. Annual and Quarterly Transactions - Some revenues and expenses are over the prorated year-to-date budget due to one-time receipts of revenues for the year and quarterly or annual payments of expenses. These transactions appear to have significant impacts on the budget vs. actual monthly comparisons but usually even out as the year progresses. Septage receiving support revenue of $109,440 is billed to the County annually in July. Annual payments are made in the first quarter for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual payment to UVA for the Observatory lease was made in September. Insurance premiums are paid at the beginning of each quarter.
B. Personnel Costs (Urban Water, Urban Wastewater – pages 2, 5) – Urban Water and Urban Wastewater salaries are higher than budgeted due to pay increases for plant operators who achieved higher licenses.
C. Other Services & Charges (Urban Water, Crozet Water, Scottsville Water, Urban Wastewater – pages 2 to 5) – Utility costs are running higher than originally estimated for Urban Water, Scottsville Water and Urban Wastewater. Urban Water incurred $40,000 in watershed management expenses, and Scottsville Water's laboratory analysis fees are running high. Urban Water, Crozet Water, and Urban Wastewater paid unbudgeted annual DEQ permit application fees of $25,000, $15,000, and $10,650, respectively.
D. Equipment Purchases (Urban Water – page 2) Urban Water incurred $11,900 unbudgeted equipment rental costs.
E. Communications (Administration – page 8) – Telephone and data service costs for the Administration department are currently over budget.
F. Professional Services (Urban Wastewater – page 5) - Urban Wastewater is over the prorated budget I this category due to high engineering and technical services costs for a wastewater sampling study.
G. Operations & Maintenance (Crozet Water, Urban Wastewater – pages 3, 5) – Crozet Water is currently $20,000 over the prorated budget for chemicals due to a carbon exchange in January. Urban Wastewater has incurred $73,000 unbudgeted pipelines and appurtenances costs.

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024
Fiscal Year 2024

Consolidated Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 22,727,003	$ 13,257,418	$ 13,785,298	$ 527,879	3.98%
Lease Revenue		124,000	72,333	81,719	9,385	12.98%
Admin., Maint. & Engineering Revenue		781,000	455,583	465,958	10,375	2.28%
Other Revenues		647,267	377,572	421,546	43,974	11.65%
Use of Reserves (Water Resources Fund)		80,000	46,667	80,000	33,333	71.43%
Interest Allocation		47,250	27,563	110,232	82,670	299.93%
Total Operating Revenues		**$ 24,406,520**	**$ 14,237,137**	**$ 14,944,753**	**$ 707,616**	**4.97%**
Expenses						
Personnel Cost	**B**	$ 11,625,091	$ 6,781,303	$ 6,701,797	$ 79,507	1.17%
Professional Services	**F**	467,850	272,913	242,476	30,436	11.15%
Other Services & Charges	**C**	3,479,955	2,029,974	2,620,582	(590,608)	-29.09%
Communications	**E**	221,440	129,173	153,109	(23,936)	-18.53%
Information Technology		1,269,575	740,585	592,400	148,185	20.01%
Supplies		46,300	27,008	27,532	(524)	-1.94%
Operations & Maintenance	**A, G**	6,035,808	3,520,888	3,796,484	(275,596)	-7.83%
Equipment Purchases	**D**	345,500	201,542	176,732	24,810	12.31%
Depreciation		915,000	533,750	533,750	-	0.00%
Total Operating Expenses		**$ 24,406,519**	**$ 14,237,136**	**$ 14,844,862**	**$ (607,726)**	**-4.27%**
Operating Surplus/(Deficit)		**$ 1**	**$ 0**	**$ 99,891**		

Debt Service Budget vs. Actual

Revenues					
Debt Service Rate Revenue	$ 22,119,060	$ 12,902,785	$ 12,902,792	$ 7	0.00%
Septage Receiving Support - County	109,440	63,840	109,440	45,600	71.43%
Buck Mountain Lease Revenue	1,600	933	1,884	950	101.81%
Trust Fund Interest	179,830	104,901	229,641	124,740	118.91%
Reserve Fund Interest	879,900	513,275	929,382	416,107	81.07%
Total Debt Service Revenues	**$ 23,289,830**	**$ 13,585,734**	**$ 14,173,139**	**$ 587,404**	**4.32%**
Debt Service Costs					
Total Principal & Interest	$ 16,168,944	$ 9,431,884	$ 9,431,884	$ -	0.00%
Reserve Additions-Interest	879,900	513,275	929,382	(416,107)	-81.07%
Debt Service Ratio Charge	725,000	422,917	422,917	-	0.00%
Reserve Additions-CIP Growth	5,516,000	3,217,667	3,217,667	-	0.00%
Total Debt Service Costs	**$ 23,289,844**	**$ 13,585,742**	**$ 14,001,849**	**$ (416,107)**	**-3.06%**
Debt Service Surplus/(Deficit)	**$ (14)**	**$ (8)**	**$ 171,290**		

Summary

Total Revenues	$ 47,696,350	$ 27,822,871	$ 29,117,891	$ 1,295,020	4.65%
Total Expenses	47,696,363	27,822,879	28,846,711	(1,023,832)	-3.68%
Surplus/(Deficit)	**$ (13)**	**$ (8)**	**$ 271,180**		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Urban Water Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 10,021,362	$ 5,845,795	$ 6,014,049	$ 168,255	2.88%
Lease Revenue		94,000	54,833	62,566	7,732	14.10%
Miscellaneous		-	-	-	-	
Use of Reserves (Water Resources Fund)		80,000	46,667	80,000	33,333	71.43%
Interest Allocation		34,200	19,950	47,069	27,119	135.94%
Total Operating Revenues		**$ 10,229,562**	**$ 5,967,245**	**$ 6,203,684**	**$ 236,439**	**3.96%**
Expenses						
Personnel Cost	**B**	$ 2,384,332	$ 1,390,860	$ 1,459,208	$ (68,347)	-4.91%
Professional Services		178,500	104,125	86,806	17,319	16.63%
Other Services & Charges	**C**	769,233	448,719	764,230	(315,510)	-70.31%
Communications		103,200	60,200	54,702	5,498	9.13%
Information Technology		127,650	74,463	52,958	21,504	28.88%
Supplies		7,000	4,083	8,431	(4,348)	-106.47%
Operations & Maintenance	**A**	2,905,068	1,694,623	1,940,110	(245,487)	-14.49%
Equipment Purchases	**D**	20,100	11,725	23,665	(11,940)	-101.83%
Depreciation		300,000	175,000	175,000	-	0.00%
Subtotal Before Allocations		$ 6,795,083	$ 3,963,798	$ 4,565,109	$ (601,310)	-15.17%
Allocation of Support Departments		3,434,478	2,003,446	1,836,859	166,587	8.32%
Total Operating Expenses		**$ 10,229,561**	**$ 5,967,244**	**$ 6,401,967**	**$ (434,723)**	**-7.29%**
Operating Surplus/(Deficit)		**$ 1**	**$ 0**	**$ (198,284)**		

Debt Service Budget vs. Actual

Revenues					
Debt Service Rate Revenue	$ 10,193,779	$ 5,946,371	$ 5,946,374	$ 3	0.00%
Trust Fund Interest	77,500	45,208	98,929	53,721	118.83%
Reserve Fund Interest	423,100	246,808	447,033	200,224	81.13%
Lease Revenue	1,600	933	1,884	950	101.81%
Total Debt Service Revenues	**$ 10,695,979**	**$ 6,239,321**	**$ 6,494,220**	**$ 254,899**	**4.09%**
Debt Service Costs					
Total Principal & Interest	$ 6,964,779	$ 4,062,788	$ 4,062,788	$ -	0.00%
Reserve Additions-Interest	423,100	246,808	447,033	(200,224)	-81.13%
Debt Service Ratio Charge	400,000	233,333	233,333	-	0.00%
Est. New Debt Service - CIP Growth	2,908,100	1,696,392	1,696,392	-	0.00%
Total Debt Service Costs	**$ 10,695,979**	**$ 6,239,321**	**$ 6,439,545**	**$ (200,224)**	**-3.21%**
Debt Service Surplus/(Deficit)	**$ -**	**$ -**	**$ 54,674**		

Rate Center Summary

Total Revenues	$ 20,925,541	$ 12,206,566	$ 12,697,903	$ 491,338	4.03%
Total Expenses	20,925,540	12,206,565	12,841,513	(634,947)	-5.20%
Surplus/(Deficit)	**$ 1**	**$ 0**	**$ (143,609)**		
Costs per 1000 Gallons	$ 3.01		$ 3.14		
Operating and DS	$ 6.16		$ 6.30		
Thousand Gallons Treated	3,397,700	1,981,992	2,039,352	57,360	2.89%
or					
Flow (MGD)	9.309		9.485		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Crozet Water Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 1,234,752	$ 720,272	$ 720,272	$ -	0.00%
Lease Revenues		30,000	17,500	19,153	1,653	9.45%
Interest Allocation		4,600	2,683	6,283	3,600	134.16%
Total Operating Revenues		**$ 1,269,352**	**$ 740,455**	**$ 745,708**	**$ 5,253**	**0.71%**
Expenses						
Personnel Cost		$ 341,691	$ 199,320	$ 204,630	$ (5,311)	-2.66%
Professional Services		22,900	13,358	-	13,358	100.00%
Other Services & Charges	C	133,426	77,832	111,424	(33,592)	-43.16%
Communications		17,600	10,267	9,705	562	5.47%
Information Technology		32,400	18,900	9,873	9,027	47.76%
Supplies		1,500	875	738	137	15.62%
Operations & Maintenance	G	335,700	195,825	214,431	(18,606)	-9.50%
Equipment Purchases		3,200	1,867	2,596	(730)	-39.10%
Depreciation		60,000	35,000	35,000	-	0.00%
Subtotal Before Allocations		$ 948,417	$ 553,243	$ 588,398	$ (35,154)	-6.35%
Allocation of Support Departments		320,940	187,215	171,571	15,644	8.36%
Total Operating Expenses		**$ 1,269,357**	**$ 740,458**	**$ 759,969**	**$ (19,511)**	**-2.63%**
Operating Surplus/(Deficit)		**$ (5)**	**$ (3)**	**$ (14,261)**		

Debt Service Budget vs. Actual

	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues					
Debt Service Rate Revenue	$ 2,385,720	$ 1,391,670	$ 1,391,670	$ -	0.00%
Trust Fund Interest	13,500	7,875	17,292	9,417	119.58%
Reserve Fund Interest	34,500	20,125	36,246	16,121	80.10%
Total Debt Service Revenues	**$ 2,433,720**	**$ 1,419,670**	**$ 1,445,208**	**$ 25,538**	**1.80%**
Debt Service Costs					
Total Principal & Interest	$ 1,216,725	$ 709,756	$ 709,756	$ -	0.00%
Reserve Additions-Interest	34,500	20,125	36,246	(16,121)	-80.10%
Estimated New Principal & Interest	1,182,500	689,792	689,792	-	0.00%
Total Debt Service Costs	**$ 2,433,725**	**$ 1,419,673**	**$ 1,435,794**	**$ (16,121)**	**-1.14%**
Debt Service Surplus/(Deficit)	**$ (5)**	**$ (3)**	**$ 9,414**		

Rate Center Summary

	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Total Revenues	$ 3,703,072	$ 2,160,125	$ 2,190,916	$ 30,791	1.43%
Total Expenses	3,703,082	2,160,131	2,195,763	(35,632)	-1.65%
Surplus/(Deficit)	**$ (10)**	**$ (6)**	**$ (4,847)**		
Costs per 1000 Gallons	$ 6.26		$ 5.52		
Operating and DS	$ 18.27		$ 15.95		
Thousand Gallons Treated	202,697	118,240	137,665	19,425	16.43%
Flow (MGD)	0.555		0.640		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Scottsville Water Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 656,460	$ 382,935	$ 382,935	$ -	0.00%
Interest Allocation		2,150	1,254	2,976	1,722	137.31%
Total Operating Revenues		**$ 658,610**	**$ 384,189**	**$ 385,911**	**$ 1,722**	**0.45%**
Expenses						
Personnel Cost		$ 223,641	$ 130,457	$ 135,859	$ (5,402)	-4.14%
Professional Services		5,000	2,917	3,407	(490)	-16.79%
Other Services & Charges	C	31,800	18,550	30,953	(12,403)	-66.87%
Communications		6,750	3,938	4,765	(827)	-21.01%
Information Technology		19,700	11,492	4,600	6,892	59.97%
Supplies		100	58	187	(129)	-220.83%
Operations & Maintenance		134,800	78,633	79,211	(577)	-0.73%
Equipment Purchases		2,000	1,167	1,853	(686)	-58.84%
Depreciation		40,000	23,333	23,333	0	0.00%
Subtotal Before Allocations		$ 463,791	$ 270,545	$ 284,168	$ (13,623)	-5.04%
Allocation of Support Departments		194,815	113,642	103,976	9,666	8.51%
Total Operating Expenses		**$ 658,606**	**$ 384,187**	**$ 388,144**	**$ (3,957)**	**-1.03%**
Operating Surplus/(Deficit)		**$ 4**	**$ 2**	**$ (2,233)**		

Debt Service Budget vs. Actual

Revenues					
Debt Service Rate Revenue	$ 158,736	$ 92,596	$ 92,596	$ -	0.00%
Trust Fund Interest	1,650	963	2,113	1,150	119.50%
Reserve Fund Interest	10,300	6,008	11,153	5,144	85.62%
Total Debt Service Revenues	**$ 170,686**	**$ 99,567**	**$ 105,861**	**$ 6,294**	**6.32%**
Debt Service Costs					
Total Principal & Interest	$ 148,991	$ 86,911	$ 86,911	$ -	0.00%
Reserve Additions-Interest	10,300	6,008	11,153	(5,144)	-85.62%
Estimated New Principal & Interest	11,400	6,650	6,650	-	0.00%
Total Debt Service Costs	**$ 170,691**	**$ 99,570**	**$ 104,714**	**$ (5,144)**	**-5.17%**
Debt Service Surplus/(Deficit)	**$ (5)**	**$ (3)**	**$ 1,147**		

Rate Center Summary

Total Revenues	$ 829,296	$ 483,756	$ 491,773	$ 8,017	1.66%
Total Expenses	829,297	483,757	492,858	(9,101)	-1.88%
Surplus/(Deficit)	**$ (1)**	**$ (1)**	**$ (1,085)**		
Costs per 1000 Gallons	$ 38.22		$ 35.32		
Operating and DS	$ 48.13		$ 44.85		
Thousand Gallons Treated	17,230	10,051	10,990	939	9.34%
or					
Flow (MGD)	0.047		0.051		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Urban Wastewater Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 9,908,321	$ 5,779,854	$ 6,139,478	$ 359,625	6.22%
Stone Robinson WWTP		17,267	10,072	9,584	(488)	-4.85%
Septage Acceptance		550,000	320,833	357,687	36,853	11.49%
Nutrient Credits		80,000	46,667	49,915	3,248	6.96%
Miscellaneous Revenue		-	-	4,360	4,360	
Interest Allocation		3,300	1,925	49,715	47,790	2482.58%
Total Operating Revenues		**$ 10,558,888**	**$ 6,159,351**	**$ 6,610,739**	**$ 451,388**	**7.33%**
Expenses						
Personnel Cost	B	$ 1,458,300	$ 850,675	$ 878,772	$ (28,097)	-3.30%
Professional Services	F	40,000	23,333	45,785	(22,452)	-96.22%
Other Services & Charges	C	2,271,556	1,325,074	1,559,507	(234,433)	-17.69%
Communications		11,600	6,767	9,584	(2,818)	-41.64%
Information Technology		110,600	64,517	32,166	32,351	50.14%
Supplies		1,200	700	2,028	(1,328)	-189.68%
Operations & Maintenance	G	2,086,800	1,217,300	1,299,572	(82,272)	-6.76%
Equipment Purchases		73,500	42,875	46,036	(3,161)	-7.37%
Depreciation		470,000	274,167	274,167	(0)	0.00%
Subtotal Before Allocations		$ 6,523,556	$ 3,805,408	$ 4,147,618	$ (342,210)	-8.99%
Allocation of Support Departments		4,035,331	2,353,943	2,155,868	198,075	8.41%
Total Operating Expenses		**$ 10,558,887**	**$ 6,159,351**	**$ 6,303,486**	**$ (144,135)**	**-2.34%**
Operating Surplus/(Deficit)		**$ 1**	**$ 0**	**$ 307,253**		

Debt Service Budget vs. Actual

Revenues						
Debt Service Rate Revenue		$ 9,339,509	$ 5,448,047	$ 5,448,051	$ 4	0.00%
Septage Receiving Support - County	A	109,440	63,840	109,440	45,600	71.43%
Trust Fund Interest		86,900	50,692	110,917	60,225	118.81%
Reserve Fund Interest		410,200	239,283	433,092	193,809	81.00%
Total Debt Service Revenues		**$ 9,946,049**	**$ 5,801,862**	**$ 6,101,500**	**$ 299,638**	**5.16%**
Debt Service Costs						
Total Principal & Interest		$ 7,812,249	$ 4,557,145	$ 4,557,145	$ -	0.00%
Reserve Additions-Interest		410,200	239,283	433,092	(193,809)	-81.00%
Debt Service Ratio Charge		325,000	189,583	189,583	-	0.00%
Est. New Debt Service - CIP Growth		1,398,600	815,850	815,850	-	0.00%
Total Debt Service Costs		**$ 9,946,049**	**$ 5,801,862**	**$ 5,995,670**	**$ (193,809)**	**-3.34%**
Debt Service Surplus/(Deficit)		**$ -**	**$ -**	**$ 105,829**		

Rate Center Summary

Total Revenues	$ 20,504,937	$ 11,961,213	$ 12,712,239	$ 751,025	6.28%
Total Expenses	20,504,936	11,961,213	12,299,156	(337,944)	-2.83%
Surplus/(Deficit)	**$ 1**	**$ 0**	**$ 413,082**		
Costs per 1000 Gallons	$ 3.11		$ 3.00		
Operating and DS	$ 6.05		$ 5.85		
Thousand Gallons Treated	3,390,400	1,977,733	2,101,122	123,389	6.24%
or					
Flow (MGD)	9.289		9.773		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Glenmore Wastewater Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 521,916	$ 304,451	$ 304,451	$ -	0.00%
Interest Allocation		1,700	992	2,315	1,323	133.43%
Total Operating Revenues		**$ 523,616**	**$ 305,443**	**$ 306,766**	**$ 1,323**	**0.43%**
Expenses						
Personnel Cost		$ 127,879	$ 74,596	$ 77,454	$ (2,859)	-3.83%
Professional Services		25,000	14,583	12,827	1,756	12.04%
Other Services & Charges		35,400	20,650	29,094	(8,444)	-40.89%
Communications		3,450	2,013	2,185	(172)	-8.56%
Information Technology		13,000	7,583	14,789	(7,206)	-95.02%
Supplies		-	-	-	-	
Operations & Maintenance		143,550	83,738	83,505	232	0.28%
Equipment Purchases		3,800	2,217	2,217	(0)	0.00%
Depreciation		25,000	14,583	14,583	0	0.00%
Subtotal Before Allocations		$ 377,079	$ 219,962	$ 236,654	$ (16,692)	-7.59%
Allocation of Support Departments		146,534	85,478	78,067	7,411	8.67%
Total Operating Expenses		**$ 523,613**	**$ 305,441**	**$ 314,721**	**$ (9,280)**	**-3.04%**
Operating Surplus/(Deficit)		**$ 3**	**$ 2**	**$ (7,956)**		

Debt Service Budget vs. Actual

Revenues						
Debt Service Rate Revenue		$ 22,680	$ 13,230	$ 13,230	$ -	0.00%
Trust Fund Interest		200	117	276	159	136.19%
Reserve Fund Interest		-	-	-	-	
Total Debt Service Revenues		**$ 22,880**	**$ 13,347**	**$ 13,506**	**$ 159**	**1.19%**
Debt Service Costs						
Total Principal & Interest		$ 18,729	$ 10,925	$ 10,925	$ -	0.00%
Estimated New Principal & Interest		4,150	2,421	2,421	-	0.00%
Reserve Additions-Interest		-	-	-	-	
Total Debt Service Costs		**$ 22,879**	**$ 13,346**	**$ 13,346**	**$ -**	**0.00%**
Debt Service Surplus/(Deficit)		**$ 1**	**$ 1**	**$ 159**		

Rate Center Summary

Total Revenues	$ 546,496	$ 318,789	$ 320,271	$ 1,482	0.46%
Total Expenses	546,492	318,787	328,067	(9,280)	-2.91%
Surplus/(Deficit)	**$ 4**	**$ 2**	**$ (7,796)**		
Costs per 1000 Gallons	$ 12.65		$ 10.95		
Operating and DS	$ 13.20		$ 11.41		
Thousand Gallons Treated	41,401	24,151	28,751	4,600	**19.05%**
or					
Flow (MGD)	0.113		0.134		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Scottsville Wastewater Rate Center
Revenues and Expenses Summary

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Operations Rate Revenue		$ 384,192	$ 224,112	$ 224,112	$ -	0.00%
Interest Allocation		1,300	758	1,874	1,116	147.12%
Total Operating Revenues		**$ 385,492**	**$ 224,870**	**$ 225,986**	**$ 1,116**	**0.50%**
Expenses						
Personnel Cost		$ 127,949	$ 74,637	$ 77,455	$ (2,818)	-3.78%
Professional Services		5,000	2,917	-	2,917	100.00%
Other Services & Charges		24,800	14,467	20,756	(6,289)	-43.48%
Communications		3,800	2,217	5,912	(3,695)	-166.70%
Information Technology		14,025	8,181	413	7,768	94.95%
Supplies		-	-	615	(615)	
Operations & Maintenance		49,500	28,875	18,771	10,104	34.99%
Equipment Purchases		3,700	2,158	2,158	0	0.00%
Depreciation		20,000	11,667	11,667	(0)	0.00%
Subtotal Before Allocations		$ 248,774	$ 145,118	$ 137,746	$ 7,372	5.08%
Allocation of Support Departments		136,722	79,754	72,870	6,884	8.63%
Total Operating Expenses		**$ 385,495**	**$ 224,872**	**$ 210,616**	**$ 14,256**	**6.34%**
Operating Surplus/(Deficit)		**$ (3)**	**$ (2)**	**$ 15,370**		

Debt Service Budget vs. Actual

Revenues						
Debt Service Rate Revenue		$ 18,636	$ 10,871	$ 10,871	$ -	0.00%
Trust Fund Interest		80	47	115	68	146.00%
Reserve Fund Interest		1,800	1,050	1,859	809	77.03%
Total Debt Service Revenues		**$ 20,516**	**$ 11,968**	**$ 12,845**	**$ 877**	**7.33%**
Debt Service Costs						
Total Principal & Interest		$ 7,471	$ 4,358	$ 4,358	$ -	0.00%
Reserve Additions-Interest		1,800	1,050	1,859	(809)	-77.03%
Estimated New Principal & Interest		11,250	6,563	6,563	-	0.00%
Total Debt Service Costs		**$ 20,521**	**$ 11,971**	**$ 12,779**	**$ (809)**	**-6.76%**
Debt Service Surplus/(Deficit)		**$ (5)**	**$ (3)**	**$ 65**		

Rate Center Summary

Total Revenues	$ 406,008	$ 236,838	$ 238,831	$ 1,993	0.84%
Total Expenses	406,016	236,843	223,396	13,447	5.68%
Surplus/(Deficit)	**$ (8)**	**$ (5)**	**$ 15,435**		
Costs per 1000 Gallons	$ 16.30		$ 16.70		
Operating and DS	$ 17.17		$ 17.71		
Thousand Gallons Treated	23,643	13,792	12,614	(1,178)	**-8.54%**
or					
Flow (MGD)	0.065		0.059		

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Administration

Operating Budget vs. Actual

	Notes	Budget FY 2024	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
Revenues						
Payment for Services SWA		$ 781,000	$ 455,583	$ 455,583	$ 0	0.00%
Bond Proceeeds Funding Bond Issuance Costs		-	-	-	-	
Miscellaneous Revenue		-	-	6,255	6,255	
Total Operating Revenues		**$ 781,000**	**$ 455,583**	**$ 461,839**	**$ 6,255**	**1.37%**
Expenses						
Personnel Cost		$ 2,930,008	$ 1,709,171	$ 1,595,497	$ 113,674	6.65%
Professional Services		136,450	79,596	87,845	(8,249)	-10.36%
Other Services & Charges		140,760	82,110	82,932	(822)	-1.00%
Communications	E	42,800	24,967	43,602	(18,636)	-74.64%
Information Technology		778,800	454,300	407,390	46,910	10.33%
Supplies		22,800	13,300	12,223	1,077	8.10%
Operations & Maintenance		64,200	37,450	25,374	12,076	32.24%
Equipment Purchases		15,000	8,750	8,839	(89)	-1.02%
Depreciation		-	-	-	-	
Total Operating Expenses		**$ 4,130,818**	**$ 2,409,644**	**$ 2,263,704**	**$ 145,940**	**6.06%**

Department Summary

Net Costs Allocable to Rate Centers		**$ (3,349,818)**	**$ (1,954,061)**	**$ (1,801,865)**	**$ (152,196)**	**7.79%**
Allocations to the Rate Centers						
Urban Water	44.00%	**$ 1,473,920**	**859,787**	**792,821**	**66,966**	
Crozet Water	4.00%	**$ 133,993**	**78,162**	**72,075**	**6,088**	
Scottsville Water	2.00%	**$ 66,996**	**39,081**	**36,037**	**3,044**	
Urban Wastewater	48.00%	**$ 1,607,913**	**937,949**	**864,895**	**73,054**	
Glenmore Wastewater	1.00%	**$ 33,498**	**19,541**	**18,019**	**1,522**	
Scottsville Wastewater	1.00%	**$ 33,498**	**19,541**	**18,019**	**1,522**	
	100.00%	**$ 3,349,818**	**$ 1,954,061**	**$ 1,801,865**	**$ 152,196**	

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Maintenance

Operating Budget vs. Actual

Notes	*Budget FY 2024*	*Budget Year-to-Date*	*Actual Year-to-Date*	*Budget vs. Actual*	*Variance Percentage*
Revenues					
Payment for Services SWA	$ -	$ -	$ -	$ -	
Miscellaneous Revenue	-	-	1,067	1,067	
Total Operating Revenues	**$ -**	**$ -**	**$ 1,067**	**$ 1,067**	
Expenses					
Personnel Cost	$ 1,553,212	$ 906,040	$ 874,772	$ 31,268	3.45%
Professional Services	25,000	14,583	-	14,583	100.00%
Other Services & Charges	36,400	21,233	13,233	8,000	37.68%
Communications	11,300	6,592	13,639	(7,048)	-106.92%
Information Technology	17,500	10,208	911	9,297	91.08%
Supplies	4,000	2,333	22	2,311	99.04%
Operations & Maintenance	114,150	66,588	62,080	4,508	6.77%
Equipment Purchases	201,000	117,250	75,833	41,417	35.32%
Depreciation	-	-	-	-	
Total Operating Expenses	**$ 1,962,562**	**$ 1,144,828**	**$ 1,040,491**	**$ 104,336**	**9.11%**

Department Summary

Net Costs Allocable to Rate Centers		**$ (1,962,562)**	**$ (1,144,828)**	**$ (1,039,424)**	**$ (103,269)**	**9.02%**
Allocations to the Rate Centers						
Urban Water	30.00%	**$ 588,768**	**$ 343,448**	**$ 311,827**	**$ 31,621**	
Crozet Water	3.50%	**68,690**	**40,069**	**36,380**	**3,689**	
Scottsville Water	3.50%	**68,690**	**40,069**	**36,380**	**3,689**	
Urban Wastewater	56.50%	**1,108,847**	**646,828**	**587,275**	**59,553**	
Glenmore Wastewater	3.50%	**68,690**	**40,069**	**36,380**	**3,689**	
Scottsville Wastewater	3.00%	**58,877**	**34,345**	**31,183**	**3,162**	
	100.00%	**$ 1,962,562**	**$ 1,144,828**	**$ 1,039,424**	**$ 105,404**	

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Laboratory

Operating Budget vs. Actual

	Notes	*Budget FY 2024*	*Budget Year-to-Date*	*Actual Year-to-Date*	*Budget vs. Actual*	*Variance Percentage*
Revenues						
N/A						
Expenses						
Personnel Cost		$ 456,056	$ 266,033	$ 257,855	$ 8,177	3.07%
Professional Services		-	-	-	-	
Other Services & Charges		14,580	8,505	1,479	7,026	82.61%
Communications		1,400	817	409	407	49.87%
Information Technology		1,000	583	-	583	100.00%
Supplies		1,200	700	710	(10)	-1.41%
Operations & Maintenance		115,300	67,258	52,303	14,955	22.24%
Equipment Purchases		1,700	992	992	(0)	0.00%
Depreciation		-	-	-	-	
Total Operating Expenses		**$ 591,236**	**$ 344,888**	**$ 313,748**	**$ 31,139**	**9.03%**

Department Summary

Net Costs Allocable to Rate Centers		**$ (591,236)**	**$ (344,888)**	**$ (313,748)**	**$ (31,139)**	**9.03%**
Allocations to the Rate Centers						
Urban Water	44.00%	**$ 260,144**	**$ 151,751**	**$ 138,049**	**$ 13,701**	
Crozet Water	4.00%	**23,649**	**13,796**	**12,550**	**1,246**	
Scottsville Water	2.00%	**11,825**	**6,898**	**6,275**	**623**	
Urban Wastewater	47.00%	**277,881**	**162,097**	**147,462**	**14,635**	
Glenmore Wastewater	1.50%	**8,869**	**5,173**	**4,706**	**467**	
Scottsville Wastewater	1.50%	**8,869**	**5,173**	**4,706**	**467**	
	100.00%	**$ 591,236**	**$ 344,888**	**$ 313,748**	**$ 31,139**	

Rivanna Water & Sewer Authority
Monthly Financial Statements - January 2024

Engineering

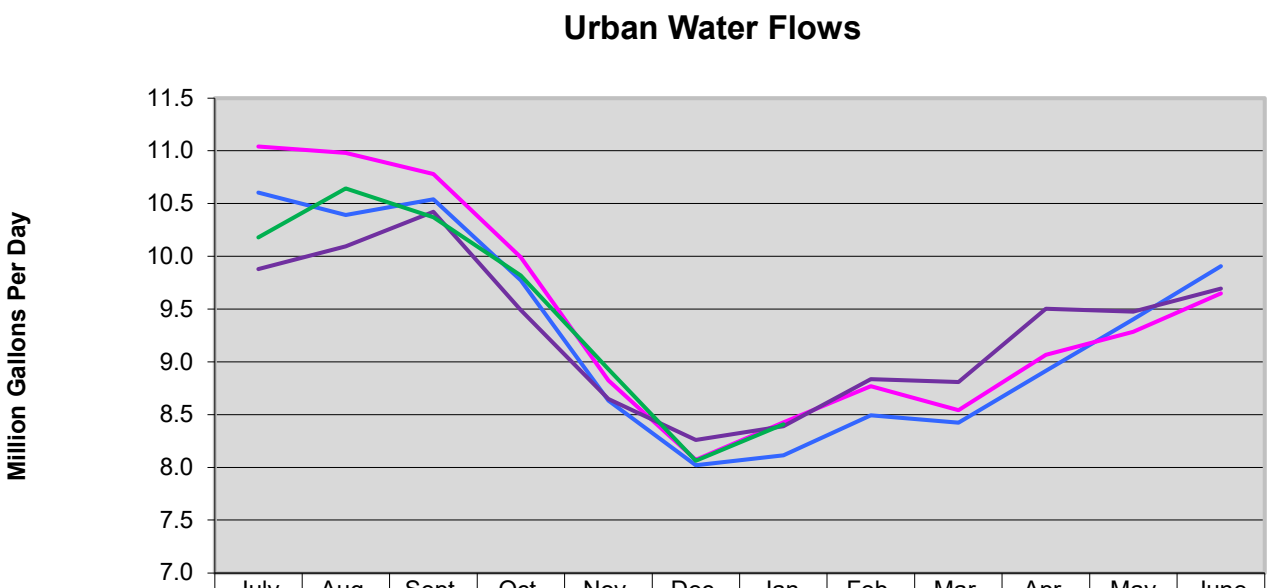
Operating Budget vs. Actual

	Notes	*Budget FY 2024*	*Budget Year-to-Date*	*Actual Year-to-Date*	*Budget vs. Actual*	*Variance Percentage*
Revenues						
Payment for Services SWA		$ -	$ -	$ 3,052	$ 3,052	
Total Operating Revenues		**$ -**	**$ -**	**$ 3,052**	**$ 3,052**	
Expenses						
Personnel Cost		$ 2,022,024	$ 1,179,514	$ 1,140,293	$ 39,221	3.33%
Professional Services		30,000	17,500	5,806	11,694	66.82%
Other Services & Charges		22,000	12,833	6,974	5,860	45.66%
Communications		19,540	11,398	8,606	2,793	24.50%
Information Technology		154,900	90,358	69,301	21,058	23.30%
Supplies		8,500	4,958	2,578	2,380	48.01%
Operations & Maintenance		86,740	50,598	21,128	29,471	58.24%
Equipment Purchases		21,500	12,542	12,542	0	0.00%
Depreciation		-	-	-	-	
Total Operating Expenses		**$ 2,365,204**	**$ 1,379,702**	**$ 1,267,226**	**$ 112,476**	**8.15%**

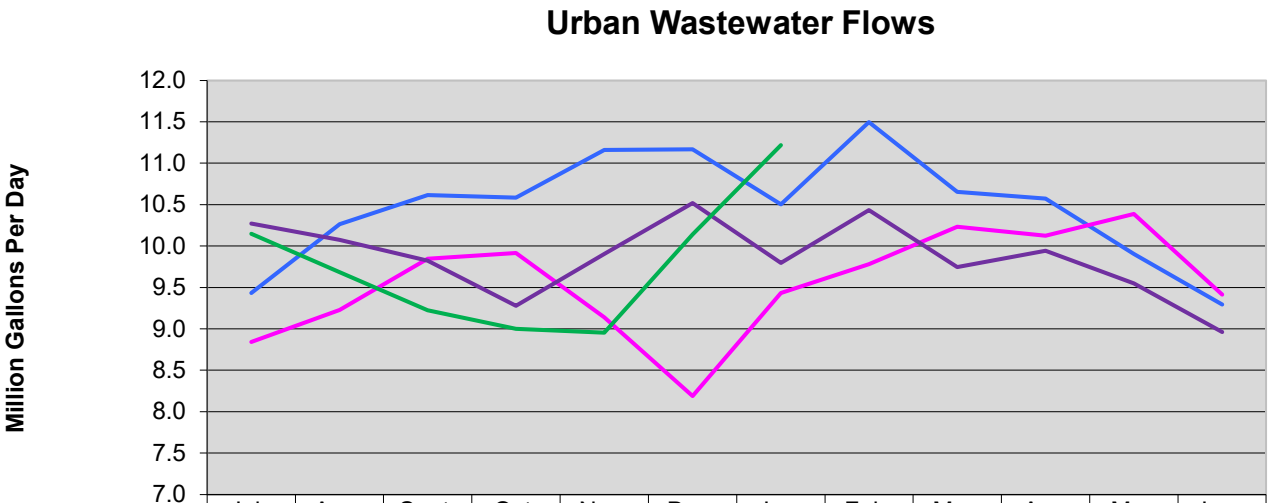
Department Summary

Net Costs Allocable to Rate Centers		**$ (2,365,204)**	**$ (1,379,702)**	**$ (1,264,174)**	**$ (109,424)**	**7.93%**
Allocations to the Rate Centers						
Urban Water	47.00%	**$ 1,111,646**	**$ 648,460**	**$ 594,162**	**$ 54,298**	
Crozet Water	4.00%	**94,608**	**55,188**	**50,567**	**4,621**	
Scottsville Water	2.00%	**47,304**	**27,594**	**25,283**	**2,311**	
Urban Wastewater	44.00%	**1,040,690**	**607,069**	**556,236**	**50,833**	
Glenmore Wastewater	1.50%	**35,478**	**20,696**	**18,963**	**1,733**	
Scottsville Wastewater	1.50%	**35,478**	**20,696**	**18,963**	**1,733**	
	100.00%	**$ 2,365,204**	**$ 1,379,702**	**$ 1,264,174**	**$ 115,529**	

Rivanna Water and Sewer Authority
Flow Graphs



	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
5 YR AVG.	10.61	10.39	10.54	9.77	8.63	8.02	8.11	8.49	8.42	8.91	9.40	9.91
FY 2022	11.04	10.98	10.78	9.99	8.82	8.07	8.43	8.77	8.54	9.07	9.28	9.65
FY 2023	9.88	10.10	10.42	9.49	8.65	8.26	8.39	8.84	8.81	9.50	9.48	9.69
FY 2024	10.18	10.64	10.37	9.82	8.93	8.06	8.41					



	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
5 YR AVG	9.43	10.26	10.62	10.58	11.16	11.17	10.50	11.50	10.65	10.57	9.90	9.29
FY 2022	8.84	9.23	9.85	9.92	9.14	8.19	9.43	9.78	10.23	10.13	10.39	9.41
FY 2023	10.27	10.07	9.82	9.28	9.90	10.52	9.79	10.43	9.74	9.94	9.55	8.96
FY 2024	10.15	9.68	9.22	9.00	8.95	10.14	11.22					

RIVANNA WATER & SEWER AUTHORITY
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MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: DAVE TUNGATE, DIRECTOR OF OPERATIONS & ENVIRONMENTAL SERVICES

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: OPERATIONS REPORT FOR FEBRUARY 2024

DATE: MARCH 26, 2024

WATER OPERATIONS:

The average and maximum daily water volumes produced in February 2024 were as follows:

Water Treatment Plant	*Average Daily Production (MGD)*	*Maximum Daily Production in the Month (MGD)*
South Rivanna	7.93	8.50 (2/19/2024)
Observatory	0.35	0.94 (2/12/2024)
North Rivanna	0.44	0.58 (2/14/2024)
Urban Total	8.72	9.32 (2/12/2024)
Crozet	0.54	0.59 (2/20/2024)
Scottsville	0.04	0.059 (2/13/2024)
Red Hill	0.0024	0.005 (2/2/2024)
RWSA Total	9.30	-

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

Status of Reservoirs (as of March 20, 2024):

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

WASTEWATER OPERATIONS:

All RWSA Water Resource Recovery Facilities (WRRFs) were in regulatory compliance with their effluent limitations during February 2024. Performance of the WRRFs in February was as follows compared to the respective VDEQ permit limits:

WRRF	*Average Daily Effluent Flow (MGD)*	*Average $CBOD_5$ (ppm)*		*Average Total Suspended Solids (ppm)*		*Average Ammonia (ppm)*	
		RESULT	*LIMIT*	*RESULT*	*LIMIT*	*RESULT*	*LIMIT*
Moores Creek	10.2	<QL	9	<QL	22	<QL	6.4
Glenmore	0.136	4.3	15	4.9	30	NR	NL
Scottsville	0.09	3.8	25	11	30	NR	NL
Stone Robinson	0.002	NR	30	NR	30	NR	NL

NR = Not Required
NL = No Limit
<QL: Less than analytical method quantitative level (2.0 ppm for CBOD, 1.0 ppm for TSS, and 0.1 ppm for Ammonia).

Nutrient discharges at the Moores Creek AWRRF were as follows for February 2024.

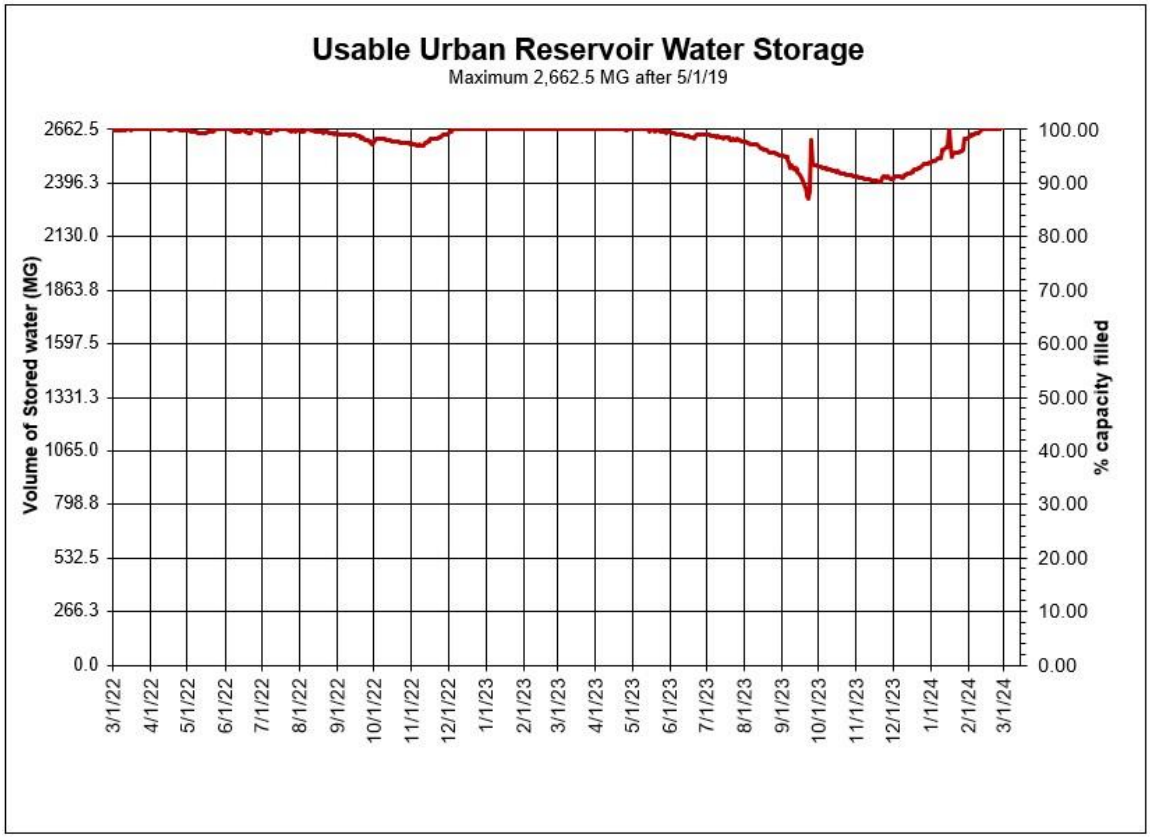
State Annual Allocation (lb./yr.) Permit		*Average Monthly Allocation (lb./mo.) **	*Moores Creek Discharge February (lb./mo.)*	*Performance as % of monthly average Allocation**	*Year to Date Performance as % of annual allocation*
Nitrogen	282,994	23,583	9,864	42%	9%
Phosphorous	18,525	1,636	219	13%	2%

*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


Usable Urban Reservoir Water Storage
Maximum 2,662.5 MG after 5/1/19
Volume of Stored water (MG)
% capacity filled
2662.5
2396.3
2130.0
1863.8
1597.5
1331.3
1065.0
798.8
532.5
266.3
0.0
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
3/1/22
4/1/22
5/1/22
6/1/22
7/1/22
8/1/22
9/1/22
10/1/22
11/1/22
12/1/22
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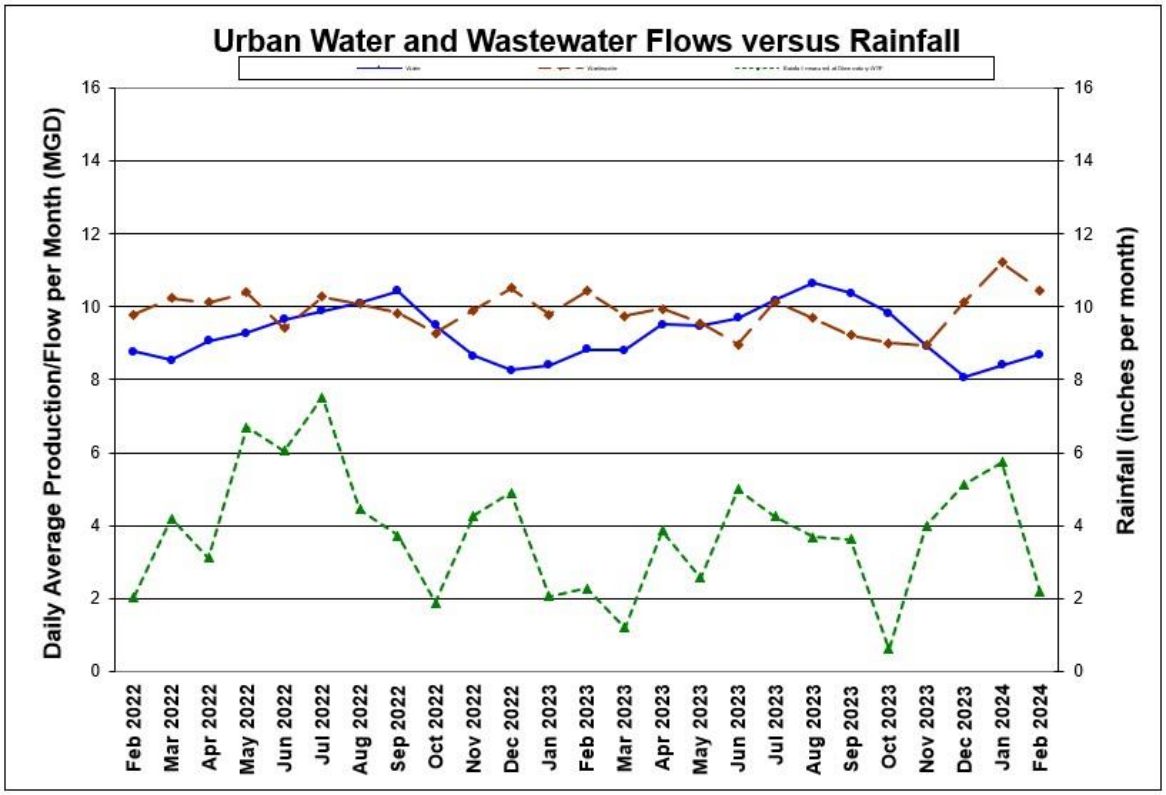
Urban Water and Wastewater Flows versus Rainfall
Daily Average Production/Flow per Month (MGD)
Rainfall (inches per month)
16
14
12
10
8
6
4
2
0
Feb 2022
Mar 2022
Apr 2022
May 2022
Jun 2022
Jul 2022
Aug 2022
Sep 2022
Oct 2022
Nov 2022
Dec 2022
Jan 2023
Feb 2023
Mar 2023
Apr 2023
May 2023
Jun 2023
Jul 2023
Aug 2023
Sep 2023
Oct 2023
Nov 2023
Dec 2023
Jan 2024
Feb 2024

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MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: CIP PROJECTS REPORT

DATE: MARCH 26, 2024

This memorandum reports on the status of the following Capital Projects as well as other significant operating, maintenance, and planning projects.

For the current CIP and additional project information, please visit: https://www.rivanna.org/wp-content/uploads/2023/06/2024-2028-CIP-FINAL-DRAFT-1.pdf

Summary

	Project	Construction Start Date	Construction Completion Date
1	SRWTP and OBWTP Renovations	May 2020	July 2024
2	Airport Rd. Water Pump Station and Piping	December 2021	September 2024
3	MC 5kV Electrical System Upgrades	May 2022	December 2024
4	South Fork Rivanna River Crossing	December 2024	December 2026
5	Red Hill Water Treatment Plant Upgrades	September 2024	March 2026
6	Central Water Line	December 2024	December 2028
7	Scottsville WRRF Whole Plant Generator and ATS	TBD	TBD
8	MC Administration Building Renovation and Addition	April 2025	December 2027
9	RMR to OBWTP Raw Water Line and Pump Station	September 2024	December 2028
10	MC Building Upfits and Gravity Thickener Improvements	October 2024	December 2026
11	Emmet Street Water Line Betterment	October 2024	October 2026
12	MC Structural and Concrete Rehabilitation	February 2025	May 2027
13	Crozet Pump Stations Rehabilitation	January 2025	December 2026
14	Crozet WTP GAC Expansion – Phase I	April 2025	October 2026
15	Beaver Creek Dam, Pump Station and Piping	April 2026	January 2029
16	SFRR to RMR Pipeline, Intake, and Facilities	June 2025	December 2030
17	Upper Schenks Branch Interceptor, Phase II	TBD	TBD
18	North Rivanna Water Treatment Plant Decommissioning	September 2025	March 2027

Under Construction

1. South Rivanna and Observatory Water Treatment Plant Renovations
2. Airport Road Water Pump Station and Piping
3. MC 5kV Electrical System Upgrades

Design and Bidding

4. South Fork Rivanna River Crossing
5. Red Hill Water Treatment Plant Upgrades
6. Central Water Line
7. Scottsville WRRF Whole Plant Generator and ATS
8. MC Administration Building Renovation and Addition
9. RMR to OBWTP Raw Water Line and Pump Station
10. MC Building Upfits and Gravity Thickener Improvements
11. Emmet Street Water Line Betterment
12. MC Structural and Concrete Rehabilitation
13. Crozet Pump Stations Rehabilitation
14. Crozet WTP GAC Expansion – Phase I
15. Beaver Creek Dam, Pump Station, and Piping
16. SFRR to RMR Pipeline, Intake, and Facilities
17. Upper Schenks Branch Interceptor, Phase II
18. North Rivanna Water Treatment Plant Decommissioning

Planning and Studies

19. Asset Management Plan
20. MCAWRRF Biogas Upgrades

Other Significant Projects

21. Urgent and Emergency Repairs
22. Security Enhancements

Under Construction

1. South Rivanna and Observatory Water Treatment Plant Renovations

Design Engineer:	Short Elliot Hendrickson, Inc. (SEH)
Construction Contractor:	English Construction Company (Lynchburg, VA)
Construction Start:	May 2020
Percent Complete:	97%
Base Construction Contract + Change Orders to Date = Current Value:	$36,748,500 + $1,329,762 = $38,078,262
Completion:	July 2024
Budget:	$43,000,000

Current Status: Improvements continue at the OBWTP including completion of the new Chemical Building and general site improvements. At the SRWTP, sludge pump improvements and final instrumentation programming work continues.

2. Airport Road Water Pump Station and Piping

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	Anderson Construction, Inc. (ACI) (Lynchburg, VA)
Construction Start:	December 2021
Percent Complete:	90%
Base Construction Contract + Change Order to Date = Current Value:	$8,520,312 + $205,908 = $8,726,221
Completion:	September 2024
Budget:	$10,000,000

Current Status: Water line installation and disinfection are complete and final tie-ins to the existing system are in progress. Paving and curb restoration along Berkmar Drive are proceeding but are weather dependent. Fiber has been installed and Dominion is currently setting the transformer so pump station startup and testing can begin once the electricity is in service.

3. MCAWRRF 5kV Electrical System Upgrades

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	Pyramid Electrical Contractors (Richmond, VA)
Construction Start:	May 2022
Percent Complete:	33%
Base Construction Contract + Change Order to Date = Current Value:	$5,180,000 - $848,368 = $4,331,632
Completion:	December 2024
Budget:	$5,635,000

Current Status: All major sitework including underground electrical ductbank, equipment pads, and curb and gutter replacements, is complete. Equipment continues to arrive and electrical work has resumed starting with low-voltage motor control center replacements. The new 5kV switchgear and enclosure is anticipated onsite later this month.

Design and Bidding

4. South Fork Rivanna River Crossing

Design Engineer:	Michael Baker International (Baker)
Project Start:	November 2020
Project Status:	90% Design
Construction Start:	December 2024
Completion:	December 2026
Budget:	$7,300,000

Current Status: Easement acquisition work is on-going. We have been coordinating with VDOT for a required easement on the south side of the river which is on a remnant property from the VDOT

Berkmar Bridge project. VDOT was not able to complete the property transfer back to the original property owner so they will issue RWSA a Land Use Permit for the water line work. However, another small temporary easement will be required on an adjacent property owner to access the VDOT property. A purchase agreement package was sent to VEPCO last month for purchase of a small parcel along Rio Mills Rd since they preferred to sell the property to us rather than grant an easement. The final outstanding easement is with Albemarle County across the Brookhill Park property along Rio Mills Rd and this easement will be presented to the Albemarle County Board of Supervisors in April 2024 and a public hearing will be held in May 2024.

5. <u>Red Hill Water Treatment Plant Upgrades</u>

Design Engineer:	Short Elliot Hendrickson (SEH)
Project Start:	July 2022
Project Status:	Bidding
Construction Start:	September 2024
Completion:	March 2026
Budget:	$2,000,000

<u>Current Status:</u> Modifications to the current design are being costed by the contractor in anticipation for contract award in April. This is being done to ensure all operational needs are met while incorporating cost savings measures where feasible. This project received partial grant funding from Albemarle County.

6. <u>Central Water Line</u>

Design Engineer:	Michael Baker International (Baker)
Project Start:	July 2021
Project Status:	80% Design
Construction Start:	December 2024
Completion:	December 2028
Budget:	$47,000,000

<u>Current Status</u>: Completion of 90% construction documents was achieved in February. A workshop was held in mid-March to discuss the documents. The acquisition process for two easements has been initiated with our real estate consultant and RWSA will negotiate the third easement with UVA along Hereford Drive. Railroad permits were submitted last month. A contractor's information will be held on April 11 for multiple RWSA water line projects.

7. <u>Scottsville WRRF Whole Plant Generator and ATS</u>

Design Engineer:	Wiley|Wilson
Project Start:	December 2021
Project Status	100% Design
Construction Start:	TBD
Completion:	TBD
Budget:	$520,000

<u>Current Status:</u> An update from VDEM indicated that the grant approval and funding process may continue until Summer 2024. As a result, the overall project schedule is uncertain.

8. <u>Moores Creek Administration Building Renovation and Addition</u>

Design Engineer:	SEH
Project Start:	October 2022
Project Status:	60% Design
Construction Start:	April 2025
Completion:	December 2027
Budget:	$20,000,000

<u>Current Status</u>: The educational exhibit overall concept approach has been completed. Partial re-design of the layout and revised concept elevations is underway with anticipated completion by the end of April.

9. <u>Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line and Pump Station</u>

Design Engineer:	Kimley-Horn
Project Start:	August 2018
Project Status:	90% Design
Construction Start:	September 2024
Completion:	December 2028
Budget:	$46,000,000

<u>Current Status</u>: Design documents are being advanced to the bid-ready level. Staff met with UVA to discuss the final remaining easement, as well as the design plans for the portion of the project on UVA property. An informational meeting with contractors has been scheduled for April 11, that will also include the Central Waterline, South Fork Rivanna River Crossing and South Fork to Ragged Mountain projects.

10. <u>MCAWRRF Building Upfits and Gravity Thickener Improvements</u>

Design Engineer:	Short Elliot Hendrickson (SEH)
Project Start:	March 2023
Project Status:	5% Design
Construction Start:	October 2024
Completion:	December 2026
Budget:	$7,500,000

<u>Current Status:</u> Design is underway.

11. <u>Emmet Street Water Line Betterment</u>

Design Engineer:	Whitman, Requardt & Associates (WRA)
Project Start:	September 2021
Project Status:	Ivy Corridor Public Realm – Complete Contemplative Commons – Complete Emmet Streetscape –70% Design Hydraulic/29 – Preliminary Design

Completion:	2024 - 2026, Phase I
Budget:	$2,900,000

Current Status: WRA has completed 70% construction documents for the water main. Permitting efforts are underway. RWSA is coordinating with City Utilities for construction of a 24-30" water main in Emmet Street from Ivy Road to Arlington Boulevard as part of the City's Emmet Streetscape Phase I project. A Betterment Agreement and costs are under review by City Utilities.

An analysis of possible water main alignments along the Emmet Street Corridor was completed for the section between Morton Drive and Hydraulic Road. The report detailing this analysis was completed in December 2023.

12. MCAWRRF Structural and Concrete Rehabilitation

Design Engineer:	Hazen and Sawyer (Hazen)
Project Start:	April 2023
Project Status:	Preliminary Engineering
Construction Start:	February 2025
Completion:	May 2027
Budget:	$11,300,000

Current Status: Design documents are progressing for digester and structural rehabilitation and repair elements towards a 90% deliverable by the end of March.

13. Crozet Pump Stations Rehabilitation

Design Engineer:	Wiley | Wilson
Project Start:	July 2023
Project Status:	60% Design
Construction Start:	January 2025
Completion:	December 2026
Budget:	$10,350,000

Current Status: 60% design documents have been completed and a review workshop was held in January. A value engineering workshop will be completed this month as design progresses to 90% completion.

14. Crozet GAC Expansion – Phase I

Design Engineer:	SEH
Project Start:	July 2023
Project Status:	Preliminary Engineering
Construction Start:	April 2025
Completion:	October 2026
Budget:	$6,550,000

Current Status: A Preliminary Engineering Report is underway for subsequent VDH submission and review.

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:	15% Design
Construction Start:	April 2026
Completion:	January 2029
Budget:	$47,000,000

Current Status: Design work is underway by Hazen for the new raw water pump station, intake, raw water main, and hypolimnetic oxygenation system, and by Schnabel Engineering for final design of the dam spillway upgrades, temporary detour, and spillway bridge. Site survey work for the pump station will be completed this month.

16. SFRR to RMR Pipeline, Intake, and Facilities

Design Engineer:	Kimley Horn/SEH
Project Start:	July 2023
Project Status:	15% Design
Construction Start:	June 2025
Completion:	December 2030
Budget:	$80,000,000

Current Status: The Design Engineer has submitted 50% plans for the pipeline project. Modifications to the Ragged Mtn Reservoir intake tower and perimeter clearing to allow for the 12-foot pool raise will be included in this overall project. A short section of the 36" raw water main is being constructed with the Victorian Heights housing development on Woodburn Road and will be completed this month. Geotechnical borings for the new intake at SFRR will begin this month. This will require temporary closure of the existing boat ramp at SRWTP.

17. Upper Schenks Branch Interceptor, Phase II

Design Engineer:	CHA Consulting
Project Start:	July 2021
Project Status:	Design
Construction Start:	TBD
Completion:	TBD
Budget:	$4,725,000

Current Status: The design team has provided additional information to assist the County with easement acquisition considerations.

18. North Rivanna Water Treatment Plant Decommissioning

Design Engineer:	SEH
Project Start:	July 2019
Project Status:	5% Design
Construction Start:	September 2025
Completion:	March 2027

Budget: $2,425,000

Current Status: Design is underway for decommissioning of the North Rivanna Water Treatment Plant. Staff are pursuing funding and administrative assistance for removal of the North Fork Rivanna low head dam from the U.S. Fish and Wildlife Service (USFWS) through their Partners for Fish and Wildlife Program. River survey work requested by USFWS was completed in February.

Planning and Studies

19. Asset Management Plan

Design Engineer: GHD, Inc.
Project Start: July 2018
Project Status: AMP Implementation – 80% Complete
Completion: AMP Implementation – 2024
Budget: $1,180,000

Current Status: Work continues to fully implement the Asset Management program across all applicable Authority facilities with refinement of a linear asset Excel model and planning associated with performing condition assessments on critical RWSA assets. A audit of our Cityworks configuration is also being performed to review its overall effectiveness and areas for future improvements.

20. MCAWRRF Biogas Upgrades

Design Engineer: SEH
Project Start: October 2021
Project Status: Preliminary Engineering/Study (99%)
Completion: December 2024
Budget: $2,145,000

Current Status: This project now includes the Methane Sphere Rehabilitation, in addition to possible Cogeneration upgrades. RWSA and City staff continue to discuss all available options to reuse the biogas, with further investigation and analysis ongoing.

Other Significant Projects

21. 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
2024-01	Rivanna Wastewater Pumping Station Flood	TBD

2024-03	MCAWRRF Secondary Clarifier #4 Equipment Failure	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 six (6) sites, all along the South Rivanna Waterline, and will be completed starting in March 2024.
- Rivanna WWPS Flood: As discussed in the January and February Board of Directors Meeting and in this month's board packet, the Rivanna Wastewater Pump Station experienced a significant flooding event on the evening of January 9th, 2024, that has rendered the facility inoperable. Installation of a 53 MGD bypass system has been completed, and the bypass has been setup to run automatically, with the capability to notify staff of potential issues as well. In addition, staff continues investigation into the root cause of the event on the dry well side of the facility and has also begun analyzing procurement needs for long-lead equipment items.
- MCAWRRF Secondary Clarifier #4 Equipment Failure: On Sunday Evening, March 3rd, RWSA Wastewater Department staff identified that Secondary Clarifier #4 at MCAWRRF appeared to have a significant mechanical malfunction. Upon further review by staff, the rotating arm of the clarifier mechanism caught the stationary arm, wrapping it around the center of the clarifier. Staff mobilized MEB General Contractors under its On-Call Maintenance Construction Services Contract with Faulconer, and the clarifier was back up and operational with just one stationary arm on Friday, March 8th. Staff are waiting on the necessary parts to complete repairs to the clarifier arms, but in the meantime, the clarifier is operational should it be needed for wet weather events. The remaining repairs will be completed by the RWSA Maintenance Department.

22. Security Enhancements

Design Engineer:	Hazen & Sawyer
Construction Contractor:	Security 101 (Richmond, VA)
Construction Start:	March 2020
Percent Complete:	70% (WA9), 30% (WA10)
Based Construction Contract + Change Orders to Date = Current Value:	$718,428 (WA1) + $834,742 (WA2-10)
Completion:	June 2024 (WA9), August 2024 (WA10)
Budget:	$2,810,000

Current Status: WA9 will include installation of card access on all exterior doors at the South Rivanna WTP. Work began during the week of January 29th, with the majority of the device installation complete at this time. WA10 will include installation of card access on the exterior doors of the finished water pump station and 795 tank buildings in Scottsville, as part of the recent transfer in ownership of these facilities to RWSA. Materials have been procured for this work, and conduit work has been completed. Design of MCAWRRF entrance modifications with Hazen & Sawyer also 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 has submitted appropriate permitting documents with Albemarle County.

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MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: BETSY NEMETH, DIRECTOR OF ADMINISTATION AND COMMUNICATIONS

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: ADMINISTRATION AND COMMUNICATIONS REPORT

DATE: MARCH 26, 2024

Human Resources

Our staff turnover rate for the Rivanna Water and Sewer Authority for the fiscal year beginning on July 1, 2023, through March 22, 2024, is 12%, which exceeds our Strategic Plan goal of 10%.

We are pleased to announce that Cary Wingo has been promoted to Water Department Supervisor. We have also welcomed two new Water Operator Trainees, Cynthia Dunham and Sally Rabun, to the team this month.

Safety

Our Safety Manager worked with Belfor Property Restoration to complete the cleaning and sanitizing of the Rivanna Pump Station.

The required annual filings for OSHA 300, the log of work-related injuries and illnesses, and the Virginia Department of Environmental Quality Tier II Chemical Reporting Program for 2023 were completed this month.

Community Outreach

We had the pleasure of taking the leadership team from the Charlottesville-Albemarle Airport on a tour of our facilities on February 29, 2024. Their team included Jason Burch, CEO; Chris White, COO; Stewart Key, PIO; and Penny Shifflett, CFO. After our tour, the Rivanna Authorities director team gave them an overview of our facilities, staffing and operations while enjoying lunch.

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MEMORANDUM

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

FROM: **JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE**

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

SUBJECT: **WHOLESALE METERING REPORT FOR FEBRUARY 2024**

DATE: **MARCH 26, 2024**

The monthly and average daily Urban water system usages by the City and the ACSA for February 2024 were as follows:

		Month	***Daily Average***	
City Usage (gal)		126,842,769	4,373,889	**50.3%**
ACSA Usage (gal)		125,139,368	4,315,151	**49.7%**
Total (gal)		**251,982,137**	**8,689,039**	

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, the trailing twelve-month average (extended back to March 2023), 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.

Figure 1: City of Charlottesville Monthly Water Usage and Allocation

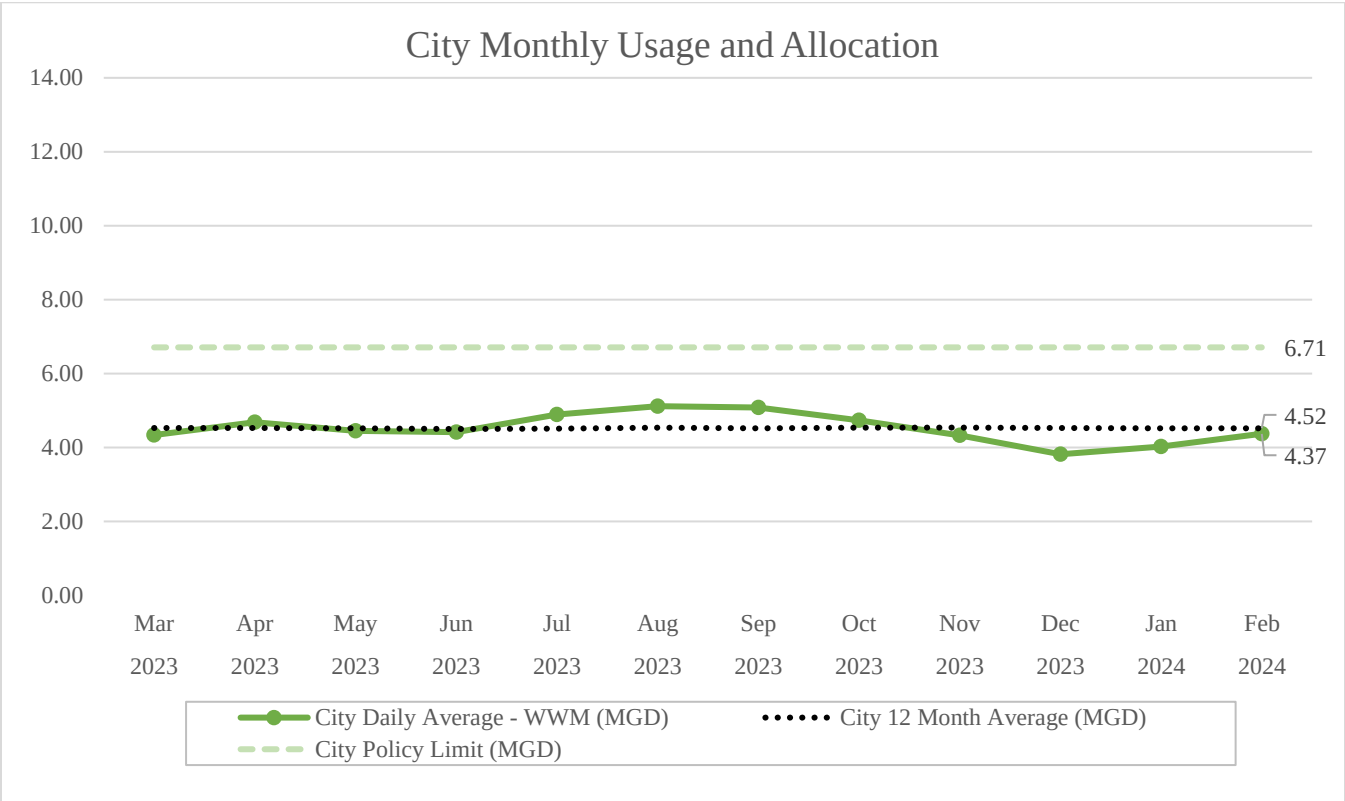
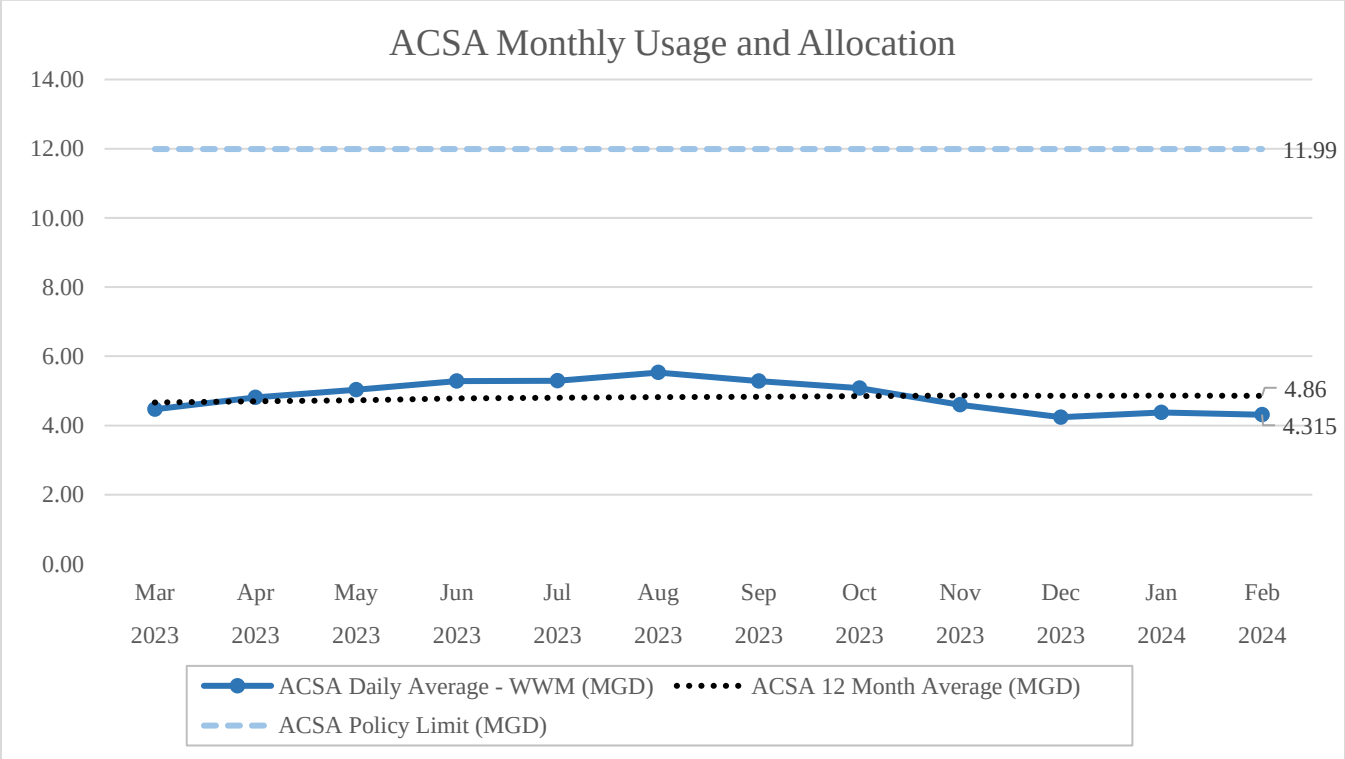


Figure 2: Albemarle County Service Authority Monthly Water Usage and Allocation



Meter Locations for the Wholesale Water Metering Project

695 Moores Creek Lane | Charlottesville, Virginia 22902
434.977.2970
434.293.8858
www.rivanna.org

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: ANDREA BOWLES, WATER RESOURCES MANAGER
JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

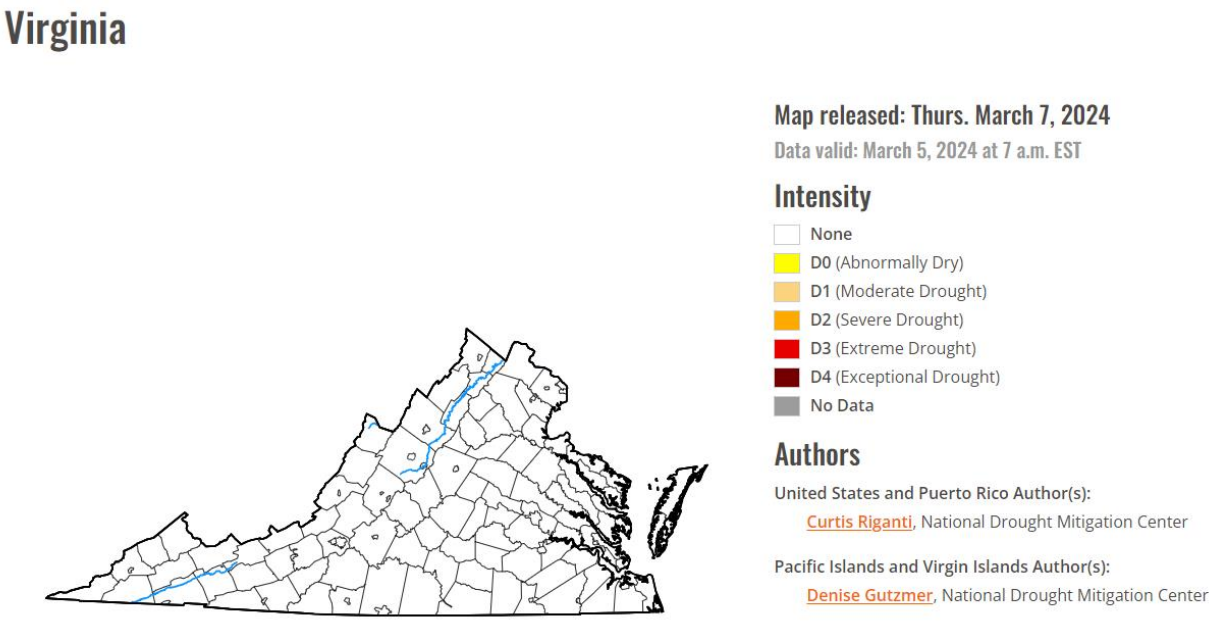
REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: DROUGHT MONITORING REPORT

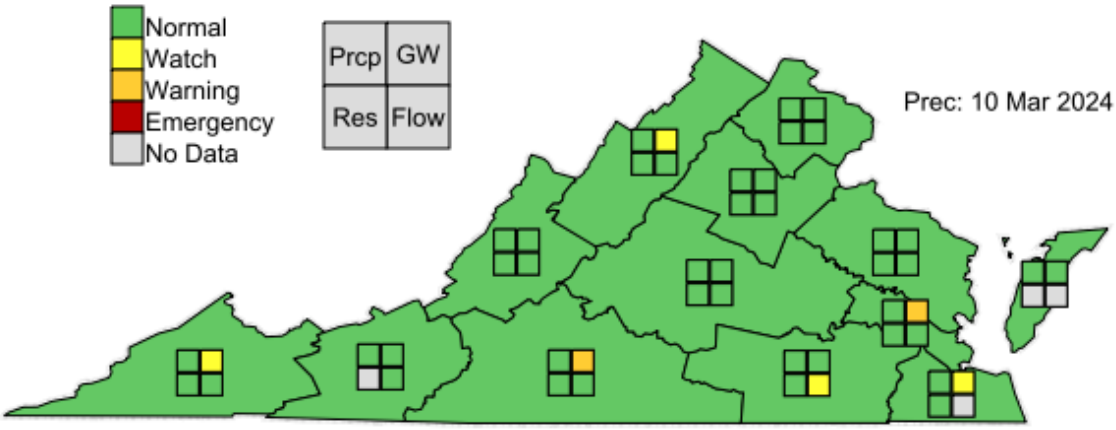
DATE: MARCH 26, 2024

State and Federal Drought Monitoring, as of March 13, 2024:

- U.S. Drought Monitoring Report: Indicates there are no drought conditions in Albemarle County or Virginia.



- VDEQ Drought Status Report: Our region is listed as being in a "Normal" level for all indicators.



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	-15.98	-35
2024	Jan - Feb	7.49	5.31	+2.18	+41

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

USGS Stream Gaging Station Near the Urban Area (February 8-February 14)				
Gage Name	Rolling 7-day Avg. Stream Flow		Median Daily Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	146.3	94.5	111	71.7
Moormans River	159.7	103.2	102	65.9
NF Rivanna River	230.7	149.1	127	82.1
SF Rivanna River	432.6	279.6	319	206.2

Median daily flow: March 13 for the period of record (approx. 30 - 80 years)

Status of Reservoirs (as of March 13, 2024)

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

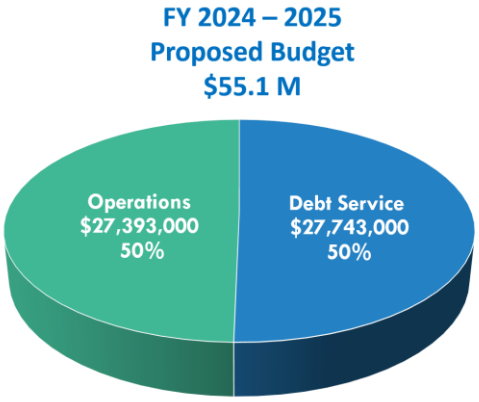
Drought History in Central Virginia

- Severe: 1930, 1966, 1982, 2002
- Longest: May 2007 - April 2009 = 103 weeks
- Significant: every 10 -15 years
- Drought of Record: 2001- 2002; 18 months

Rivanna Water and Sewer Authority
Proposed
FY 2024-2025 Budget

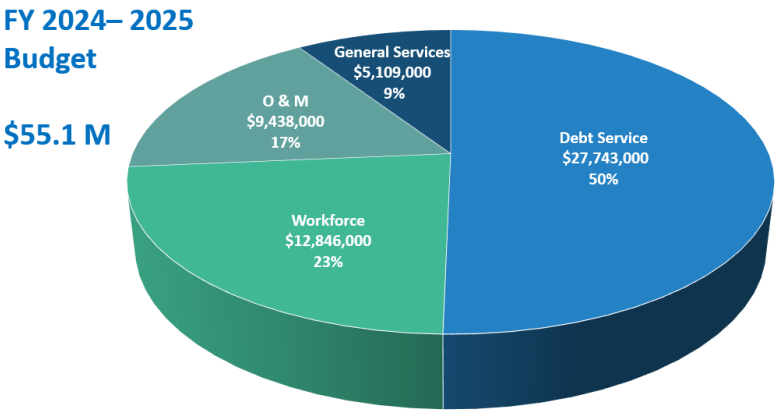
Budget Overview

The Rivanna Water and Sewer Authority provides wholesale drinking water and wastewater treatment services for the City of Charlottesville Utilities Department (City) and the Albemarle County Service Authority (ACSA). An FY 2024-2025 budget of $55,136,000 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.



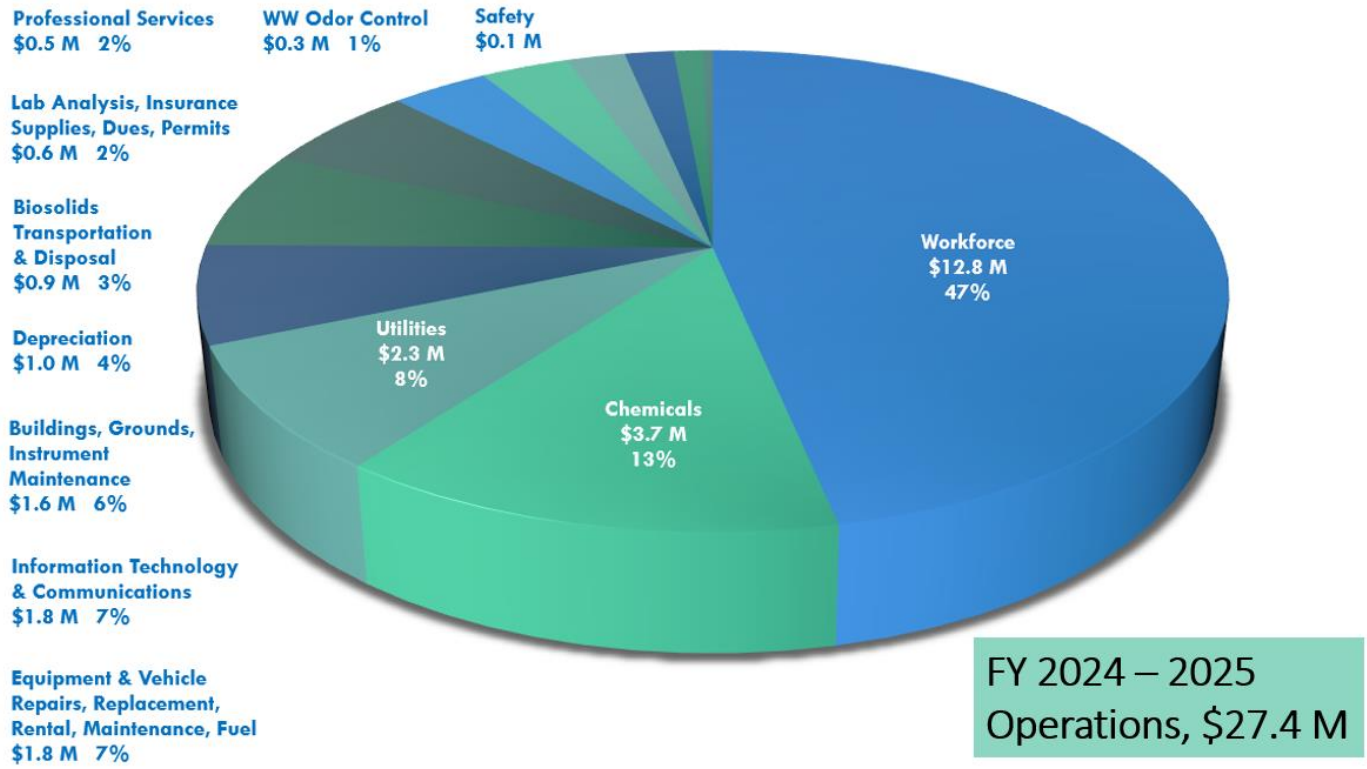
To provide the capacity and reliability needed to appropriately serve our customers, we are guided by our Strategic Plan priorities of Optimization and Resiliency, Communication and Collaboration, Planning and Infrastructure, Environmental Stewardship, and Workforce Development. The proposed budget includes $27,393,000 for Operating expenses and $27,743,000 for Debt Service charges, including a total budget increase of $7,437,000, or 15.6%.

Operating expenses include General Services (professional and nonprofessional contract services; utilities; biosolids transportation and disposal; odor control; information technology; insurance; permits; and communications), Operation and Maintenance (chemicals; repairs and maintenance for buildings, vehicles, and equipment; fuel; and depreciation) and Workforce (salaries; benefits; training; and uniforms). Debt Service charges represent 50% 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.



Rivanna Water and Sewer Authority
Proposed
FY 2024-2025 Budget

A detailed outline of our Operating expenses is shown below:



To support our Operational, Capital and Strategic Plan goals, the FY 2024-2025 budget proposes an increase of $2,986,000 in Operating expenses and an increase of $4,451,000 in Debt Service charges for a total budget increase of $7,437,000. Rates in the Urban Rate Centers are proposed to increase:

- $0.414 per 1000 gallons = 14% for water
- $0.325 per 1000 gallons = 11% for wastewater

Monthly Debt Service charges to the City will increase:

- $69,026 = 22% for Urban water
- $29,332 = 7% for Urban wastewater

Monthly Debt Service charges to the ACSA will increase:

- $130,982 = 24% for Urban water
- $38,755 = 10% for Urban wastewater
- $51,488 = 11% for non-Urban water and wastewater

Rivanna Water and Sewer Authority
Proposed
FY 2024-2025 Budget

Actual Water and Wastewater Flows

Actual FY 2022-2023 water and wastewater retail flows reported by the City 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 $230,000 charge increase for the City and a $230,000 charge decrease for the ACSA.

Allocation of flows (based on retail flows):

	FY 2024	FY 2025
City Water	48%	49%
ACSA Water	52%	51%
City Wastewater	46%	47%
ACSA Wastewater	54%	53%

Expenses

Utility and chemical costs for our water and wastewater treatment processes continue to be major drivers of our expense increases. Expanded laboratory testing for PFAS compounds and other emerging contaminants will also increase our budget as we strive to protect our environment and our customers. Four additional positions are proposed to strengthen our resources as we work to achieve Strategic Plan priorities including brand identity, community outreach, diversity in our workforce, and leadership development. The proposed budget includes a 3% cost-of-living and 2% merit pool for staff salary increases to help us retain and attract qualified staff to provide our essential services. A brief description of proposed budget investments includes:

A. Increase in Operating Expenses: $2,986,000

1. Water and Wastewater Programs, net increase**: $1,828,000**

a. Water and Wastewater Utilities $690,000
b. Water and Wastewater Chemicals $625,000
c. Technology, Paychex, SCADA $200,000
d. Laboratory Analysis – PFAS, Pharmaceuticals $130,000

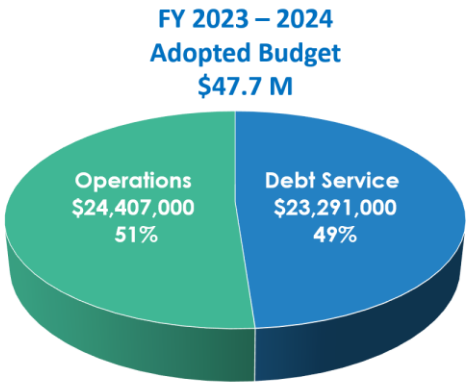
2. Personnel: $1,157,000

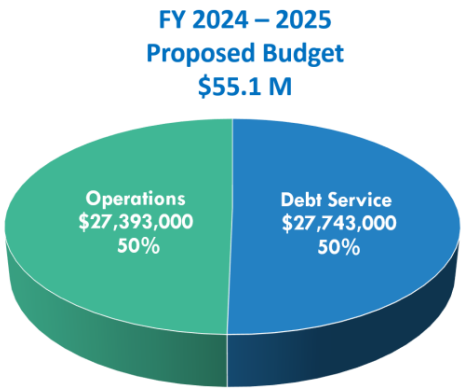
a. 3% cola + 2% merit $425,000
b. VRS, Taxes, Health and Life Insurance $364,000
c. FY 24 positions $163,000
d. Additional positions (3rd quarter) $205,000
- Deputy Executive Director
- Wastewater Operator

- Outreach and Communications Coordinator
- Sustainability and Grants Coordinator

B. Increase in Debt Service Charges: $4,451,000

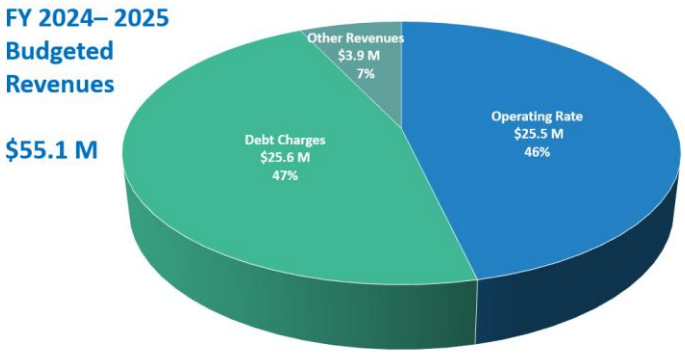
Debt Service costs of $27,743,000 represent the largest component of our budget (50%). These debt costs are estimated to increase $4,451,000 to support our investment in major infrastructure projects in our FY 25 – 29 CIP. Some of those projects include the Airport Road Water Pump Station, Central Water Line, Ragged Mtn Reservoir to Observatory WTP Water Line and Pump Station, South Fork Rivanna Reservoir to Ragged Mtn. Reservoir Water Line, Beaver Creek Reservoir Dam, Pump Station and Water Line, and any costs not reimbursed by our property insurance company for the repairs to the Rivanna Pump Station. The Authority's overall ratio of Operating expenses and increasing Debt Service costs now share equal allocations of the total budget, as shown below in comparison to FY 2023-2024:





Revenues

Revenues for FY 2024 - 2025 are based upon estimated Operating Rate revenues of $25,534,000, Debt Service charges of $25,612,000, and other non-customer revenues of $3,990,000 (RSWA allocation, septage receiving, nutrient credits, County septage station support, and interest income), as shown below:



A summary of the major inflation and investment-driven budget increases follows, and a detailed line-by-line comparison is provided in **Appendix 8** for the Authority as a whole.

Rivanna Water and Sewer Authority
Proposed
FY 2024-2025 Budget

Summary of Budget Expenses
FY 2025

3/20/2024

Significant Line - item increases
Draft 3 for Draft 4 of Budget

	Line Item	Items	Budget Change over Prior year
Personnel cost in general			
• Salary Adjustment 3% COLA & 2% Merit increase	11000	425,000	
• New Positions Half-year funding (Deputy, HR, WW Operator, Grant/Sustainability)	11000	205,000	
• Fund 2024 Positions to fully fund	11000	163,000	
• Personnel costs related changes (VRS, Taxes, Life Ins., Health)	12XXX	364,000	
Total change in personnel and benefit costs			**$ 1,157,000**
General overall changes			
All Departments			
• IT / SCADA Support and Maintenance	31XXX		$ 200,500
• Insurance - New facilities and rate increases	21100		$ 24,000
• Training	13150		$ 19,400
Urban Water			
• Lab - several new tests for PFAS, Pharmaceutical byproducts	21350		$ 30,800
• Utilities - bring to FY 2023 actual levels	21400		$ 225,000
• Dam Main. - See Data Table Worksheet	41300		$ 47,500
• Chemicals - See Data Table Worksheet	41450		$ 462,400
Urban Wastewater			
• Utilities - bring to trend	21400		$ 260,000
• Chemicals	41450		$ 170,800
Crozet			
• Lab - several new tests for PFAS, Pharmaceutical byproducts	21350		$ 18,600
• Utilities - bring to FY 2023 actual levels	21400		$ 12,500
• B & G - bring to trend - FY 2023 level	41100		$ 19,500
• Chemicals - See Data Table Worksheet	41450		$ 57,900
• Instrumentation - new Zeta Meter $20,000	41600		$ 11,200
Scottsville Water			
• Lab - several new tests for PFAS, Pharmaceutical byproducts	21350		$ 30,900
• Utilities - bring to FY 2023 actual levels	21400		$ 5,500
• Dam Maintenance	41300		$ 3,500
• Instrumentation - new equipment installed	41600		$ 3,800

Summary of Budget Expenses
FY 2025

3/20/2024

Significant Line - item increases
Draft 3 for Draft 4 of Budget

	Line Item	Items	Budget Change over Prior year
• Chemicals - See Data Table Worksheet	41450		$ 8,500
Glenmore WW			
• Depreciation			$ 15,000
Administration			
• Other - Personnel (service awards, EAP, Open Enrollment)	13350		$ 6,000
• Administrative Services - Deputy Dir. recruitment consultant $50K	20200		$ 16,800
• General Other - Paychex $50k, Web Design $50k	21420		$ 65,000
Maintenance			
• Cellphone and Wireless - iPad	22200		$ 5,200
• Fuel and Lubricants (last year was $27k actual)	41650		$ 15,000
Lab			
• Materials and Supplies (FY 2023 actuals were $85K)	41400		$ 35,000
• Equipment Maintenance	41450		$ (23,500)
• Instrumentation (FY 2023 actuals were $17k)	41600		$ 10,500
• New Equipment over $10,000	81250		$ 20,000
Engineering			
• Asset Management - Citywork annual subscription and Support	31325		$ 56,800
• All other changes			$ (5,300)
FY 2025 Total increases in estimated operating expenses			**$ 2,985,800**

Debt Service & Capital Improvements

Debt service requirements for the Capital Improvement Plan (CIP) are included in the budget request. The FY 25-29 CIP totals $370.1 M, a net increase of $44.8 M as compared to the FY 24-28 CIP. A budget increase of $25 M is included in the five-year CIP for inflation and scope revisions to existing projects, one project totaling $13 M was accelerated, seven projects totaling $2.6 M were added, and projects totaling $47 M transitioned into FY 2029. More detailed information on the proposed FY 2025 – 2029 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:

Project Cost	2024-2028 Adopted CIP	Projects Completed	New or Additional Project Costs	2025-2029 Draft CIP	Change $	Change %
Urban Water Projects	$ 209,590,000	$ (47,150,000)	$ 60,951,000	$ 223,391,000	$ 13,801,000	7%
Urban Wastewater Projects	58,220,000	-	18,365,000	76,585,000	18,365,000	24%
Shared Projects	4,984,000	(654,300)	6,442,700	10,772,400	5,788,400	54%
Non-Urban Projects	53,331,000	-	6,921,000	60,252,000	6,921,000	11%
Total Project Cost Estimates	**$ 326,125,000**	**$ (47,804,300)**	**$ 92,679,700**	**$ 371,000,400**	**$ 44,875,400**	12%

The Authority has programmed into the FY 2023-2024 budget charges that fund the additional debt service anticipated by the proposed CIP. Cumulatively, the Authority has built 33.2% of future debt service costs into the rates and charges for all rate centers in FY 2023-2024. 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 actually issued - effectively leveling the impact on charges.

For example, current Urban Water charges have 27% ($2.9 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 $10.78 M. This will require the remaining $7.9 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 New Debt	New Debt Service Cost built into FY 2025 Rates	Percentage of Debt Service in FY 2025 Rates
Urban Water	$ 14,921,000	$ 5,310,600	35.6%
Urban Wastewater	4,970,000	2,143,800	43.1%
Non-Urban Rate Centers	3,128,000	1,593,000	50.9%
	$ 23,019,000	$ 9,047,400	39.3%

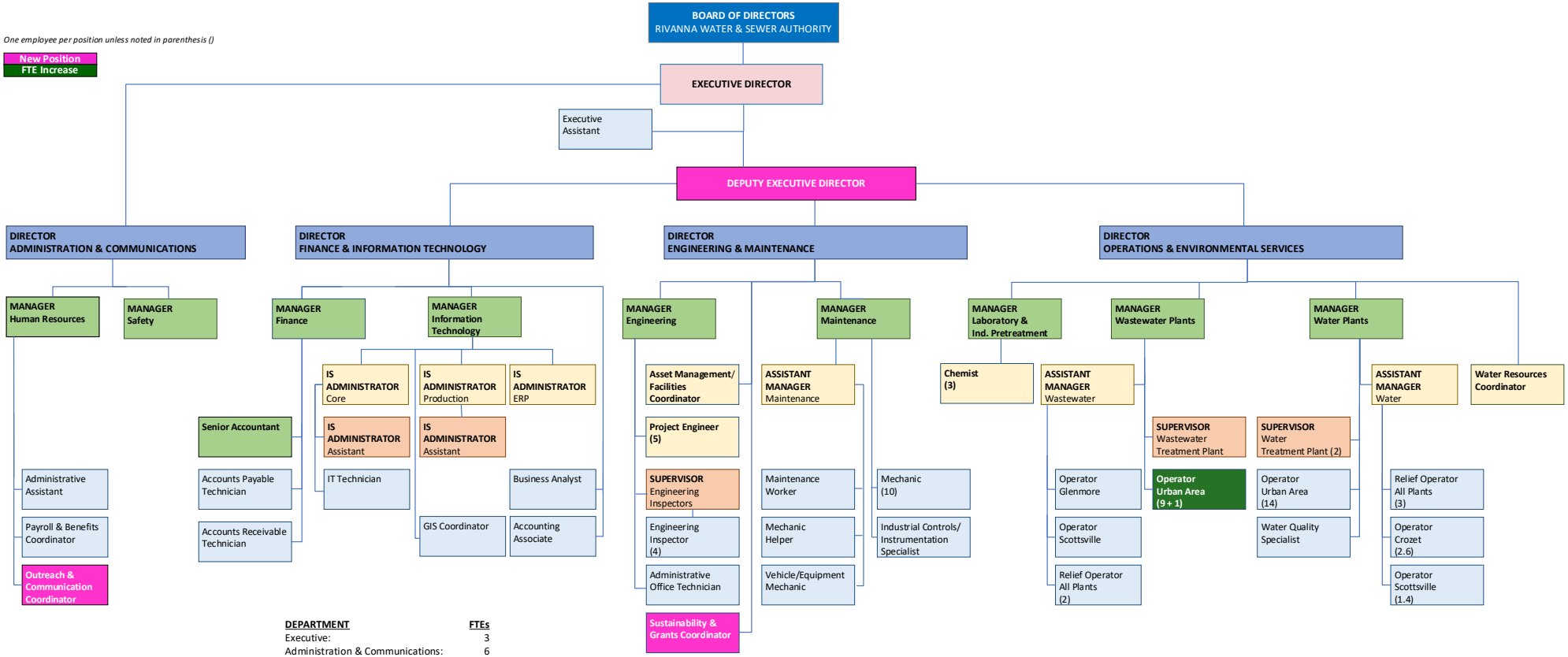
Rivanna Water and Sewer Authority
Proposed
FY 2024-2025 Budget

RIVANNA WATER & SEWER AUTHORITY
Organizational Chart

FY 2024 – 2025 Proposed Budget

One employee per position unless noted in parenthesis ()

New Position
FTE Increase



DEPARTMENT	FTEs
Executive:	3
Administration & Communications:	6
Finance & Information Technology:	15
Engineering & Maintenance:	31
Operations & Environmental Services:	49
TOTAL FTEs	**104**

RIVANNA

WATER & SEWER AUTHORITY

VALUES

The Rivanna Authorities are committed to the following values:

- Integrity
- Teamwork
- Respect
- Quality

Proposed Budget

Fiscal Year 2024 – 2025

RIVANNA WATER & SEWER AUTHORITY
FY 2025 Proposed Budget

Prepared: March 5, 2024
Adopted: Draft 5 BOD Draft

Table of Contents

			Page
Budget Highlights			
Narrative			i-vii
Departmental Summary of Revenues and Expenses			1
Summary of Itemized Rates			2
Summary of Charges to Customers			3
	Urban Water:	Summary Sheet	7
		Expense Detail	8-9
	Crozet Water:	Summary Sheet	11
		Expense Detail	12-13
	Scottsville Water:	Summary Sheet	15
		Expense Detail	16-17
Wastewater:	Urban Wastewater:	Summary Sheet	21
		Expense Detail	22-23
	Glenmore Wastewater:	Summary Sheet	25
		Expense Detail	26-27
	Scottsville Wastewater:	Summary Sheet	29
		Expense Detail	30-31
Support Departments:			
	Administration		35-37
	Finance & IT		39-41
	Maintenance		43-45
	Lab		47-49
	Engineering		51-53
Appendices:			
1 - Flow Projections			57
2 - Urban Water Debt Service Rates			58
3 - Urban Wastewater Debt Service Rates			59
4 - Other Rate Centers Debt Service Rates			60
5 - Debt Summary			61
6 - Stone Robinson			62
7 - Detailed Summary of Revenues			63
8 - Detailed Summary of Expenses			64-65
9 - Staffing by Department			66-67

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Budget Highlights

- Executive Summary Narrative

Budget Details

Pages 1 - 64

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Prepared: March 5, 2024
Adopted: Draft 5 BOD Draft

Departmental Summary of Revenues and Expenses

Summary of Revenues

	FY 2024	FY 2025	$ Change	% Change
Operations Revenues				
Urban Water	$ 10,230,000	$ 11,587,000	1,357,000	13.26%
Crozet Water	1,269,000	1,460,000	191,000	15.05%
Scottsville Water	659,000	747,000	88,000	13.35%
Urban Wastewater	10,559,000	11,749,000	1,190,000	11.27%
Glenmore Wastewater	524,000	537,000	13,000	2.48%
Scottsville Wastewater	385,000	408,000	23,000	5.97%
Administration	781,000	364,000	(417,000)	-53.39%
Finance & IT	-	541,000	541,000	
Maintenance	-	-	-	
Lab	-	-	-	
Engineering	-	-	-	
Total	$ 24,407,000	$ 27,393,000	$ 2,986,000	12.23%
Debt Service Revenues				
Urban Water	$ 10,696,000	$ 13,534,000	2,838,000	26.53%
Crozet Water	2,434,000	2,717,000	283,000	11.63%
Scottsville Water	171,000	201,000	30,000	17.54%
Urban Wastewater	9,946,000	11,206,000	1,259,000	12.67%
Glenmore Wastewater	23,000	49,000	26,000	113.04%
Scottsville Wastewater	21,000	36,000	15,000	71.43%
Total	$ 23,291,000	$ 27,743,000	$ 4,451,000	19.11%
Total Revenues	**$ 47,698,000**	**$ 55,136,000**	**$ 7,437,000**	**15.59%**

Summary of Expenses

	FY 2024	FY 2025	$ Change	% Change
Operations Expenses				
Urban Water	$ 6,795,000	$ 7,690,000	895,000	13.17%
Crozet Water	948,000	1,097,000	149,000	15.72%
Scottsville Water	464,000	530,000	66,000	14.22%
Urban Wastewater	6,524,000	7,219,000	695,000	10.65%
Glenmore Wastewater	377,000	378,000	1,000	0.27%
Scottsville Wastewater	249,000	259,000	10,000	4.02%
Administration	4,131,000	1,758,000	(2,373,000)	-57.44%
Finance & IT	-	3,226,000	3,226,000	
Maintenance	1,963,000	1,997,000	34,000	1.73%
Lab	591,000	633,000	42,000	7.11%
Engineering	2,365,000	2,606,000	241,000	10.19%
Total	$ 24,407,000	$ 27,393,000	$ 2,986,000	12.23%
Debt Service Expenses				
Urban Water	$ 10,696,000	$ 13,534,000	2,838,000	26.53%
Crozet Water	2,434,000	2,717,000	283,000	11.63%
Scottsville Water	171,000	201,000	30,000	17.54%
Urban Wastewater	9,946,000	11,205,000	1,259,000	12.66%
Glenmore Wastewater	23,000	49,000	26,000	113.04%
Scottsville Wastewater	21,000	36,000	15,000	71.43%
Total	$ 23,291,000	$ 27,742,000	$ 4,451,000	19.11%
Total Expenses	**$ 47,698,000**	**$ 55,135,000**	**$ 7,437,000**	**15.59%**
Total Budgetary Surplus/ (Deficit)	**$ -**	**$ 1,000**	**$ -**	

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 2024	FY 2025	$ Change	% Change
Operating Rates	($ per 1,000 Gallons)					
Operations	**Water**		$ 2.949	$ 3.363	$ 0.414	14.04%
Operations	**Wastewater**		2.922	3.247	0.325	11.12%
Debt Service Charges	($ Monthly Charge)					
Water						
Debt Service	**CITY**		$ 307,200	$ 376,226	$ 69,026	22.47%
Debt Service	**ACSA**		542,282	673,264	130,982	24.15%
Wastewater						
Debt Service	**CITY**	*	$ 394,890	$ 424,222	$ 29,332	7.43%
Debt Service	**ACSA**	*	383,403	422,158	38,755	10.11%

OTHER RATE CENTERS (Monthly)	FY 2024	FY 2025	$ Change	% Change
Crozet Water				
Operations	$ 99,757	$ 118,387	$ 18,630	18.68%
Debt Service	198,810	215,864	17,054	8.58%
Scottsville Water				
Operations	$ 54,705	$ 61,832	$ 7,127	13.03%
Debt Service	13,228	15,868	2,640	19.96%
Water Total	$ 366,500	$ 411,951	$ 45,451	12.40%
Glenmore Wastewater				
Operations	$ 43,493	$ 44,426	$ 933	2.15%
Debt Service	1,890	4,065	2,175	115.08%
Scottsville Wastewater				
Operations	$ 32,016	$ 33,785	$ 1,769	5.53%
Debt Service	1,553	2,713	1,160	74.69%
Wastewater Total	$ 78,952	$ 84,989	$ 6,037	7.65%
Total Monthly Other Rate Center Charges - ACSA	**$ 445,452**	**$ 496,940**	**$ 51,488**	**11.56%**

Draft 5 BOD Draft

March 5, 2024

Summary of Charges to Customers

		FY 2024	FY 2025	Change $	Change %
City - Charges From RWSA					
Urban Water					
Operating Rate Charges		$ 4,810,300	$ 5,598,400	$ 788,100	16.4%
Debt Service Charges	*	3,686,400	4,514,700	828,300	22.5%
		$ 8,496,700	$ 10,113,100	$ 1,616,400	19.0%
Urban Wastewater					
Operating Rate Charges		$ 4,557,800	$ 5,173,500	$ 615,700	13.5%
Debt Service Charges		4,738,800	5,090,800	352,000	7.4%
		$ 9,296,600	$ 10,264,300	$ 967,700	10.4%
Total City Charges		**$ 17,793,300**	**$ 20,377,400**	**$ 2,584,100**	**14.5%**
ACSA - Charges From RWSA					
Urban Water					
Operating Rate Charges		$ 5,211,100	$ 5,826,900	$ 615,800	11.8%
Debt Service Charges	*	6,507,400	8,079,200	1,571,800	24.2%
		$ 11,718,500	$ 13,906,100	$ 2,187,600	18.7%
Urban Wastewater					
Operating Rate Charges		$ 5,350,500	$ 5,834,000	$ 483,500	9.0%
Debt Service Charges		4,600,800	5,065,900	465,100	10.1%
		$ 9,951,300	$ 10,899,900	$ 948,600	9.5%
Other Rate Centers					
Operating Rate Charges		$ 2,797,300	$ 3,101,200	$ 303,900	10.9%
Debt Service Charges		2,585,800	2,862,100	276,300	10.7%
		$ 5,383,100	$ 5,963,300	$ 580,200	10.8%
Total ACSA Charges		**$ 27,052,900**	**$ 30,769,300**	**$ 3,716,400**	**13.7%**
RWSA Customer Revenue Charges					
Operating Rate Revenues					
Urban Water		$ 10,021,400	$ 11,425,300	$ 1,403,900	14.0%
Urban Wastwater		9,908,300	11,007,500	1,099,200	11.1%
Other Rate Centers		2,797,300	3,101,200	303,900	10.9%
		$ 22,727,000	$ 25,534,000	$ 2,807,000	12.4%
Debt Service Rate Revenues					
Urban Water		$ 10,193,800	$ 12,593,900	$ 2,400,100	23.5%
Urban Wastewater		9,339,600	10,156,700	817,100	8.7%
Other Rate Centers		2,585,800	2,862,100	276,300	10.7%
		$ 22,119,200	$ 25,612,700	$ 3,493,500	15.8%
Total RWSA Customer Revenues		**$ 44,846,200**	**$ 51,146,700**	**$ 6,300,500**	**14.0%**

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Water Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2024-2025

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Urban Water Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)	9.309			9.309	0.00%
Operations Budget					
Projected Revenues					
Operations Rate	**$ 2.949**			**$ 3.363**	14.04%
Revenue	$ 10,021,362	$ 5,245,531	$ 10,491,062	$ 11,425,341	14.01%
Lease Revenues	94,000	53,651	107,302	90,000	-4.26%
Use of Reserves (Water Resources Fund)	80,000	80,000	80,000	-	-100.00%
Miscellaneous	-	-	-	-	
Interest Allocation	34,200	36,693	73,386	71,500	109.06%
Total Operations Revenues	**$ 10,229,562**	**$ 5,415,875**	**$ 10,751,750**	**$ 11,586,841**	**13.27%**
Projected Expenses					
Personnel Cost	$ 2,384,332	$ 1,250,228	$ 2,530,920	$ 2,570,828	7.82%
Professional Services	178,500	72,026	334,052	177,000	-0.84%
Other Services and Charges	769,233	639,217	1,228,434	1,076,746	39.98%
Communications	103,200	47,219	94,438	89,700	-13.08%
Information Technology	127,650	48,367	95,934	109,400	-14.30%
Supplies	7,000	7,504	15,008	7,900	12.86%
Operations and Maintenance	2,905,068	1,567,630	3,190,260	3,334,814	14.79%
Equipment Purchases	20,100	20,531	41,062	23,300	15.92%
Depreciation & Reserves	300,000	150,000	300,000	300,000	0.00%
Subtotal Before Allocations	$ 6,795,083	$ 3,802,722	$ 7,830,108	$ 7,689,688	13.17%
Allocation of Support Departments	3,434,479	1,573,045	3,219,980	3,897,153	13.47%
Total Operations Expenses	**$ 10,229,562**	**$ 5,375,767**	**$ 11,050,088**	**$ 11,586,841**	**13.27%**
Operations Cost per 1,000 gallons	$3.011			$3.410	13.25%
Debt Service Budget					
Projected Revenue					
Debt Service Rates CITY	**$ 307,200**			**$ 376,226**	22.47%
ACSA	**$ 542,282**			**$ 673,264**	24.15%
Debt Service Rate Revenue - CITY	$ 3,686,400	$ 1,843,200	$ 3,686,400	$ 4,514,709	22.47%
Debt Service Rate Revenue - ACSA	6,507,379	3,253,692	6,507,384	8,079,165	24.15%
Trust Fund Interest	77,500	88,649	177,298	185,000	138.71%
Reserve Fund Interest	423,100	385,608	771,216	744,800	76.03%
Lease Revenue	1,600	1,884	3,768	10,000	525.00%
Total Debt Service Revenue	**$ 10,695,979**	**$ 5,573,033**	**$ 11,146,066**	**$ 13,533,674**	**26.53%**
Principal, Interest & Reserves					
Total Principal & Interest	$ 6,964,724	$ 3,482,390	$ 6,964,780	$ 7,078,274	1.63%
Reserve Additions - Interest	423,100	385,608	771,216	744,800	76.03%
Debt Service Ratio Charge	400,000	200,000	400,000	400,000	0.00%
Est. New Debt Service - CIP Growth	2,908,100	1,454,050	2,908,100	5,310,600	82.61%
Total Debt Principal and Interest	**$ 10,695,924**	**$ 5,522,048**	**$ 11,044,096**	**$ 13,533,674**	**26.53%**

Rate Center Summary					
Total Revenues	$ 20,925,541	$ 10,988,908	$ 21,897,816	$ 25,120,515	20.05%
Total Expenses	20,925,486	10,897,815	22,094,184	25,120,515	20.05%
Surplus/(Deficit)	**$ 55**	**$ 91,093**	**$ (196,368)**	**$ -**	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 1,580,700	$ 891,681	$ 1,783,362	$ 1,709,600	$ 128,900	8.15%
11010	Overtime & Holiday Pay	135,000	47,371	130,000	135,000	-	0.00%
12010	FICA	131,251	70,073	140,146	141,112	9,861	7.51%
12020	Health Insurance	315,400	128,851	257,702	331,100	15,700	4.98%
12026	Employee Assistance Program	350	184	368	350	-	0.00%
12030	Retirement	132,621	69,210	138,420	146,684	14,063	10.60%
12040	Life Insurance	18,810	8,560	17,120	22,909	4,099	21.79%
12050	Fitness Program	2,000	2,322	4,644	2,000	-	0.00%
12060	Worker's Comp Insurance	27,300	13,191	17,588	27,300	-	0.00%
	Subtotal	$ 2,343,432	$ 1,231,443	$ 2,489,350	$ 2,516,055	$ 172,623	7.37%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 4,000	$ -	$ 4,000	$ 4,500	$ 500	12.50%
13150	Education & Training	10,100	7,311	14,622	21,573	11,473	113.59%
13200	Travel & Lodging	1,800	1,244	2,488	2,700	900	50.00%
13250	Uniforms	23,000	9,958	19,916	24,000	1,000	4.35%
13325	Recruiting & Medical Testing	1,000	180	360	1,000	-	0.00%
13350	Other	1,000	92	184	1,000	-	0.00%
	Subtotal	$ 40,900	$ 18,785	# $ 41,570	$ 54,773	$ 13,873	33.92%
	Professional Services						
20100	Legal Fees	$ 1,500	$ 4,584	$ 9,168	$ -	$ (1,500)	-100.00%
20200	Financial & Admin. Services	5,000	3,600	7,200	5,000	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	172,000	63,842	317,684	172,000	-	0.00%
	Subtotal	$ 178,500	$ 72,026	$ 334,052	$ 177,000	$ (1,500)	-0.84%
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 44,900	$ 23,369	$ 46,738	$ 56,125	$ 11,225	25.00%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	71,000	97,873	145,746	54,000	(17,000)	-23.94%
21253	Safety Programs/Supplies	28,200	14,993	29,986	27,000	(1,200)	-4.26%
21300	Authority Dues/Permits/Fees	8,000	36,310	72,620	11,981	3,981	49.76%
21350	Laboratory Analysis	40,133	24,259	48,518	120,495	80,362	200.24%
21400	Utilities	525,000	408,059	816,118	750,000	225,000	42.86%
21420	General Other Services	52,000	34,354	68,708	57,145	5,145	9.89%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 769,233	$ 639,217	$ 1,228,434	$ 1,076,746	$ 307,513	39.98%
22000	***Communication***						
22100	Radio	$ 3,200	$ 2,936	$ 5,872	$ 3,000	$ (200)	-6.25%
22150	Telephone & Data Service	90,000	38,294	76,588	75,000	(15,000)	-16.67%
22200	Cell Phones, Wireless data	10,000	5,989	11,978	11,700	1,700	17.00%
	Subtotal	$ 103,200	$ 47,219	$ 94,438	$ 89,700	$ (13,500)	-13.08%
31000	***Information Technology***						
31100	Computer Hardware	$ 10,000	$ 6,170	$ 12,340	$ 5,000	$ (5,000)	-50.00%
31150	SCADA Maint. & Support	101,150	40,610	81,220	99,500	(1,650)	-1.63%
31200	Maintenance & Support Services	500	1,187	2,374	500	-	0.00%
31250	Software & Subscriptions	-	-	-	-	-	
31300	Security Systems	16,000	400	800	4,400	(11,600)	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 127,650	$ 48,367	$ 95,934	$ 109,400	$ (18,250)	-14.30%
33000	***Supplies***						
33100	Office Supplies	$ 2,000	$ 1,228	$ 2,456	$ 2,500	$ 500	25.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	5,000	6,276	12,552	5,400	400	8.00%
	Subtotal	$ 7,000	$ 7,504	$ 15,008	$ 7,900	$ 900	12.86%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 241,500	$ 104,947	$ 209,894	$ 168,750	$ (72,750)	-30.12%
41150	Building/land Lease, Rental	175,000	175,000	175,000	175,000	-	0.00%
41300	Dam Maintenance	95,200	77,439	154,878	142,700	47,500	49.89%
41350	Pipeline/Appurtenances	62,500	78,472	156,944	62,500	-	0.00%
41400	Materials, Supplies & Tools	40,000	12,646	25,292	40,000	-	0.00%
41450	Chemicals	1,720,088	966,436	2,162,872	2,182,464	462,376	26.88%
41500	Vehicle Maintenance	10,000	11,128	22,256	8,000	(2,000)	-20.00%
41550	Equipment Repair, Replace, Maint.	261,000	76,816	153,632	257,000	(4,000)	-1.53%
41600	Instrumentation & Metering	189,775	39,506	79,012	189,700	(75)	-0.04%
41650	Fuel & Lubricants	29,000	8,309	16,618	27,700	(1,300)	-4.48%
41700	General Other Maintenance	81,005	16,931	33,862	81,000	(5)	-0.01%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
	Subtotal	$ 2,905,068	$ 1,567,630	$ 3,190,260	$ 3,334,814	$ 429,746	14.79%
81000	***Equipment Purchases***						
81200	Rental & Leases		$ 10,481	$ 20,962	$ -	$ -	0.00%
81250	Equipment (over $10,000)		-	-	-	-	0.00%
81300	Vehicle Replacement Fund	20,100	10,050	20,100	23,300	3,200	15.92%
	Subtotal	$ 20,100	$ 20,531	$ 41,062	$ 23,300	$ 3,200	15.92%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 1,473,920	$ 673,123	$ 1,407,060	$ 613,212	$ (860,708)	-58.40%
95110	Finance & IT	-			1,181,544	1,181,544	
95300	Engineering Allocation	1,111,646	519,896	1,035,729	1,225,017	113,371	10.20%
95150	Maintenance Allocation	588,769	264,620	547,433	599,025	10,256	1.74%
95200	Laboratory Allocation	260,144	115,406	229,758	278,355	18,211	7.00%
	Subtotal	$ 3,434,479	$ 1,573,045	$ 3,219,980	$ 3,897,153	$ 462,674	13.47%
	Depreciation	$ 300,000	$ 150,000	$ 300,000	$ 300,000	$ -	0.00%
	Subtotal	$ 300,000	$ 150,000	$ 300,000	$ 300,000	$ -	0.00%
	Total	**$ 10,229,562**	**$ 5,375,767**	**$ 11,050,088**	**$ 11,586,841**	**$ 1,357,279**	**13.27%**

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Crozet Water Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)	0.555			0.555	0.00%
Operations Budget					
Projected Revenues					
Operations Rate (monthly)	**$ 99,757**			**$ 118,387**	18.68%
Revenue	$ 1,234,752	$ 617,376	$ 1,234,752	$ 1,420,644	15.06%
Leases	30,000	16,410	32,820	30,000	0.00%
Interest Allocation	4,600	4,898	9,796	8,900	93.48%
Total Operations Revenues	**$ 1,269,352**	**$ 638,684**	**$ 1,277,368**	**$ 1,459,544**	**14.98%**
Projected Expenses					
Personnel Cost	$ 341,691	$ 175,297	$ 349,476	$ 365,428	6.95%
Professional Services	22,900	-	-	22,900	0.00%
Other Services and Charges	133,426	90,819	181,638	163,107	22.25%
Communications	17,600	8,392	16,784	19,000	7.95%
Information Technology	32,400	9,872	23,428	35,000	8.02%
Supplies	1,500	738	1,476	1,600	6.67%
Operations and Maintenance	335,700	148,216	342,032	426,600	27.08%
Equipment Purchases	3,200	2,330	4,660	3,300	3.13%
Depreciation	60,000	30,000	60,000	60,000	0.00%
Subtotal Before Allocations	$ 948,417	$ 465,664	$ 979,494	$ 1,096,935	15.66%
Allocations of Support Departments	320,940	146,802	300,816	362,608	12.98%
Total Operations Expenses	**$ 1,269,357**	**$ 612,466**	**$ 1,280,310**	**$ 1,459,543**	**14.98%**
Operations Cost per 1,000 gallons	$6.266			$7.205	14.99%
Debt Service Budget					
Projected Revenue					
Debt Service Rates (monthly)	**$ 198,810**			**$ 215,864**	8.58%
Debt Service Rate Revenue - ACSA	$ 2,385,720	$ 1,192,860	$ 2,385,720	$ 2,590,368	8.58%
Trust Fund Interest	13,500	15,495	30,990	32,400	140.00%
Use of Reserves	-	-	-	-	
Reserve Fund Interest	34,500	31,265	62,530	93,800	171.88%
Total Debt Service Revenue	**$ 2,433,720**	**$ 1,239,620**	**$ 2,479,240**	**$ 2,716,568**	**11.62%**
Principal, Interest & Reserves					
Total Principal & Interest - Existing	$ 1,216,725	$ 608,363	$ 1,216,726	$ 1,131,172	-7.03%
Estimated New Principal & Interest	1,182,500	591,250	1,182,500	1,491,600	26.14%
Reserve Additions - Interest	34,500	31,265	62,530	93,800	171.88%
Total Debt Principal and Interest	**$ 2,433,725**	**$ 1,230,878**	**$ 2,461,756**	**$ 2,716,572**	**11.62%**
Rate Center Summary					
Total Revenues	$ 3,703,072	$ 1,878,304	$ 3,756,608	$ 4,176,112	12.77%
Total Expenses	3,703,082	1,843,344	3,742,066	4,176,115	12.77%
Surplus/(Deficit)	**$ (10)**	**$ 34,960**	**$ 14,542**	**$ (3)**	
Rates - (Monthly)					
ACSA	**$ 298,567**			**$ 334,251**	**11.95%**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 221,000	$ 124,456	$ 248,912	$ 240,000	$ 19,000	8.60%
11010	Overtime & Holiday Pay	25,000	6,725	13,450	23,000	(2,000)	-8.00%
12010	FICA	18,819	9,801	19,602	20,120	1,301	6.91%
12020	Health Insurance	44,700	18,025	36,050	46,900	2,200	4.92%
12026	Employee Assistance Program	50	26	52	50	-	0.00%
12030	Retirement	18,542	9,698	19,396	20,592	2,050	11.06%
12040	Life Insurance	2,630	1,395	2,790	3,216	586	22.28%
12050	Fitness Program	300	308	616	300	-	0.00%
12060	Worker's Comp Insurance	4,300	2,052	2,736	4,300	-	0.00%
	Subtotal	$ 335,341	$ 172,486	$ 343,604	$ 358,478	$ 23,137	6.90%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 250	$ -	$ 250	$ 500	$ 250	100.00%
13150	Education & Training	2,000	1,008	2,016	2,500	500	25.00%
13200	Travel & Lodging	200	177	354	200	-	0.00%
13250	Uniforms	3,500	1,417	2,834	3,500	-	0.00%
13325	Recruiting & Medical Testing	200	26	52	150	(50)	-25.00%
13350	Other	200	183	366	100	(100)	-50.00%
	Subtotal	$ 6,350	$ 2,811	$ 5,872	$ 6,950	$ 600	9.45%
	Professional Services						
20100	Legal Fees	$ -	$ -	$ -	$ -	$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	22,900	-	-	22,900	-	0.00%
	Subtotal	$ 22,900	$ -	$ -	$ 22,900	$ -	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 2,900	$ 1,513	$ 3,026	$ 3,190	$ 290	10.00%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	7,700	1,122	2,244	5,000	(2,700)	-35.06%
21300	Authority Dues/Permits/Fees	1,200	16,032	32,064	2,237	1,037	86.42%
21350	Laboratory Analysis	21,626	10,577	21,154	40,180	18,554	85.79%
21400	Utilities	100,000	61,575	123,150	112,500	12,500	12.50%
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 133,426	$ 90,819	$ 181,638	$ 163,107	$ 29,681	22.25%
22000	***Communication***						
22100	Radio	$ 400	$ 490	$ 980	$ 300	$ (100)	-25.00%
22150	Telephone & Data Service	16,000	7,063	14,126	17,200	1,200	7.50%
22200	Cell Phones, Wireless data	1,200	839	1,678	1,500	300	25.00%
	Subtotal	$ 17,600	$ 8,392	$ 16,784	$ 19,000	$ 1,400	7.95%
31000	***Information Technology***						
31100	Computer Hardware	$ 5,000	$ -	$ 3,000	$ 2,000	$ (3,000)	-60.00%
31150	SCADA Maint. & Support	24,000	10,556	21,112	33,000	9,000	37.50%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	-	(684)	(684)	-	-	
31300	Security Systems	3,400	-	-	-	(3,400)	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 32,400	$ 9,872	$ 23,428	$ 35,000	$ 2,600	8.02%
33000	***Supplies***						
33100	Office Supplies	$ -	$ -	$ -	$ -	$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	1,500	738	1,476	1,600	100	6.67%
	Subtotal	$ 1,500	$ 738	$ 1,476	$ 1,600	$ 100	6.67%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 26,000	$ 17,809	$ 35,618	$ 45,500	$ 19,500	75.00%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	3,850	7,700	-	-	
41350	Pipeline/Appurtenances	2,000	1,000	2,000	2,000	-	0.00%
41400	Materials, Supplies & Tools	5,000	879	1,758	7,000	2,000	40.00%
41450	Chemicals	212,400	87,382	220,364	270,300	57,900	27.26%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41500	Vehicle Maintenance	1,000	1,549	3,098	1,300	300	30.00%
41550	Equipment Repair, Replace, Maint.	40,000	31,281	62,562	40,000	-	0.00%
41600	Instrumentation & Metering	34,300	1,252	2,504	45,500	11,200	32.65%
41650	Fuel & Lubricants	5,000	1,389	2,778	5,000	-	0.00%
41700	General Other Maintenance	10,000	1,825	3,650	10,000	-	0.00%
	Subtotal	$ 335,700	$ 148,216	$ 342,032	$ 426,600	$ 90,900	27.08%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ -	$ 730	$ 1,460	$ -	$ -	
81250	Equipment (over $10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	3,200	1,600	3,200	3,300	100	3.13%
	Subtotal	$ 3,200	$ 2,330	$ 4,660	$ 3,300	$ 100	3.13%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 133,993	$ 61,193	$ 127,915	$ 55,747	$ (78,246)	-58.40%
95110	Finance & IT	-			107,413	107,413	
95300	Engineering Allocation	94,608	44,246	88,147	104,257	9,649	10.20%
95150	Maintenance Allocation	68,690	30,872	63,867	69,886	1,196	1.74%
95200	Laboratory Allocation	23,649	10,491	20,887	25,305	1,656	7.00%
	Subtotal	$ 320,940	$ 146,802	$ 300,816	$ 362,608	$ 41,668	12.98%
	Depreciation	$ 60,000	$ 30,000	$ 60,000	$ 60,000	$ -	0.00%
	Subtotal	$ 60,000	$ 30,000	$ 60,000	$ 60,000	$ -	0.00%
	Total	**$ 1,269,357**	**$ 612,466**	**$ 1,280,310**	**$ 1,459,543**	**$ 190,186**	**14.98%**

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Scottsville Water Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)	0.047			0.047	0.00%
Operations Budget					
Projected Revenues					
Operations Rate (monthly)	**$ 54,705**			**$ 61,832**	13.03%
Revenue	$ 656,460	$ 328,230	$ 656,460	$ 741,984	13.03%
Interest Allocation	2,150	2,320	4,640	4,600	113.95%
Total Operations Revenues	**$ 658,610**	**$ 330,550**	**$ 661,100**	**$ 746,584**	**13.36%**
Projected Expenses					
Personnel Cost	$ 223,641	$ 116,403	$ 232,359	$ 239,452	7.07%
Professional Services	5,000	2,205	4,410	5,000	0.00%
Other Services and Charges	31,800	22,382	44,764	68,490	115.38%
Communications	6,750	3,989	7,978	7,000	3.70%
Information Technology	19,700	4,600	19,200	13,400	-31.98%
Supplies	100	181	362	200	100.00%
Operations and Maintenance	134,800	54,348	129,576	154,600	14.69%
Equipment Purchases	2,000	1,601	3,202	2,200	10.00%
Depreciation	40,000	20,000	40,000	40,000	0.00%
Subtotal Before Allocations	$ 463,791	$ 225,709	$ 481,851	$ 530,342	14.35%
Allocations of Support Departments	194,815	88,838	182,342	216,247	11.00%
Total Operations Expenses	**$ 658,606**	**$ 314,547**	**$ 664,193**	**$ 746,589**	**13.36%**
Operations Cost per 1,000 gallons	$38.391			$43.520	13.36%
Debt Service Budget					
Projected Revenue					
Debt Service Rates - Monthly	**$ 13,228**			**$ 15,868**	19.96%
Debt Service Rate Revenue - ACSA	$ 158,736	$ 79,368	$ 158,736	$ 190,416	19.96%
Trust Fund Interest	1,650	1,893	3,786	4,000	142.42%
Reserve Fund Interest	10,300	9,620	19,240	7,000	-32.04%
Total Debt Service Revenue	**$ 170,686**	**$ 90,881**	**$ 181,762**	**$ 201,416**	**18.00%**
Principal, Interest & Reserves					
Total Principal & Interest	$ 148,991	$ 74,496	$ 148,992	$ 148,815	-0.12%
Estimated New Principal & Interest	11,400	5,700	11,400	45,600	300.00%
Reserve Additions-Interest	10,300	9,620	19,240	7,000	-32.04%
Total Debt Principal and Interest	**$ 170,691**	**$ 89,816**	**$ 179,632**	**$ 201,415**	**18.00%**
Rate Center Summary					
Total Revenues	$ 829,296	$ 421,431	$ 842,862	$ 948,000	14.31%
Total Expenses	829,297	404,363	843,825	948,004	14.31%
Surplus/ (Deficit)	**$ (1)**	**$ 17,068**	**$ (963)**	**$ (4)**	
Rates - Monthly					
ACSA	**$ 67,933**			**$ 77,700**	**14.38%**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 146,200	$ 82,712	$ 165,424	$ 158,200	$ 12,000	8.21%
11010	Overtime & Holiday Pay	14,000	4,498	8,996	14,000	-	0.00%
12010	FICA	12,255	6,519	13,038	13,173	918	7.49%
12020	Health Insurance	30,000	11,990	23,980	31,200	1,200	4.00%
12026	Employee Assistance Program	30	17	34	35	5	16.67%
12030	Retirement	12,266	6,455	12,910	13,574	1,308	10.66%
12040	Life Insurance	1,740	978	1,956	2,120	380	21.84%
12050	Fitness Program	200	200	400	200	-	0.00%
12060	Worker's Comp Insurance	2,600	1,270	1,693	2,600	-	0.00%
	Subtotal	$ 219,291	$ 114,639	$ 228,431	$ 235,102	$ 15,811	7.21%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 400	$ -	$ 400	$ 400	$ -	0.00%
13150	Education & Training	2,000	672	1,344	2,000	-	0.00%
13200	Travel & Lodging	100	119	238	100	-	0.00%
13250	Uniforms	1,600	949	1,898	1,600	-	0.00%
13325	Recruiting & Medical Testing	150	17	34	150	-	0.00%
13350	Other	100	7	14	100	-	0.00%
	Subtotal	$ 4,350	$ 1,764	$ 3,928	$ 4,350	$ -	0.00%
	Professional Services						
20100	Legal Fees	$ -	$ 618	$ 1,236	$ -	$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	5,000	1,587	3,174	5,000	-	0.00%
	Subtotal	$ 5,000	$ 2,205	$ 4,410	$ 5,000	$ -	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 1,100	$ 1,149	$ 2,298	$ 1,540	$ 440	40.00%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	4,200	1,777	3,554	3,600	(600)	-14.29%
21300	Authority Dues/Permits/Fees	1,200	603	1,206	1,650	450	37.50%
21350	Laboratory Analysis	6,300	6,143	12,286	37,200	30,900	490.48%
21400	Utilities	19,000	12,710	25,420	24,500	5,500	28.95%
21420	General Other Services	-	-	-	-	-	#DIV/0!
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 31,800	$ 22,382	$ 44,764	$ 68,490	$ 36,690	115.38%
22000	***Communication***						
22100	Radio	$ 250	$ 250	$ 500	$ 300	$ 50	20.00%
22150	Telephone & Data Service	5,500	3,066	6,132	5,600	100	1.82%
22200	Cell Phones, Wireless data	1,000	673	1,346	1,100	100	10.00%
	Subtotal	$ 6,750	$ 3,989	$ 7,978	$ 7,000	$ 250	3.70%
31000	***Information Technology***						
31100	Computer Hardware	$ 5,000	$ -	$ -	$ 2,000	$ (3,000)	-60.00%
31150	SCADA Maint. & Support	13,500	3,916	17,832	11,000	(2,500)	-18.52%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	-	684	1,368	-	-	0.00%
31300	Security Systems	1,200	-	-	400	(800)	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 19,700	$ 4,600	$ 19,200	$ 13,400	$ (6,300)	-31.98%
33000	***Supplies***						
33100	Office Supplies	$ -	$ 63	$ 126	$ -	$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	100	118	236	200	100	100.00%
	Subtotal	$ 100	$ 181	$ 362	$ 200	$ 100	100.00%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 20,800	$ 7,790	$ 15,580	$ 22,600	$ 1,800	8.65%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	3,500	3,500	
41350	Pipeline/Appurtenances	-	2,112	4,224	-	-	
41400	Materials, Supplies & Tools	2,500	1,988	3,976	2,500	-	0.00%
41450	Chemicals	49,600	15,322	51,524	58,100	8,500	17.14%
41500	Vehicle Maintenance	800	1,180	2,360	900	100	12.50%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41550	Equipment Repair, Replace, Maint.	25,000	13,563	27,126	25,000	-	0.00%
41600	Instrumentation & Metering	26,200	763	1,526	30,000	3,800	14.50%
41650	Fuel & Lubricants	2,400	655	1,310	2,000	(400)	-16.67%
41700	General Other Maintenance	7,500	10,975	21,950	10,000	2,500	33.33%
	Subtotal	$ 134,800	$ 54,348	$ 129,576	$ 154,600	$ 19,800	14.69%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ -	$ 601	$ 1,202	$ -	-	
81250	Equipment (over $10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	2,000	1,000	2,000	2,200	200	10.00%
	Subtotal	$ 2,000	$ 1,601	$ 3,202	$ 2,200	$ 200	10.00%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 66,996	$ 30,597	$ 63,957	$ 27,873	$ (39,123)	-58.40%
95110	Finance & IT	-			53,707	53,707	
95300	Engineering Allocation	47,304	22,123	44,074	52,128	4,824	10.20%
95150	Maintenance Allocation	68,690	30,872	63,867	69,886	1,196	1.74%
95200	Laboratory Allocation	11,825	5,246	10,444	12,653	828	7.00%
	Subtotal	$ 194,815	$ 88,838	$ 182,342	$ 216,247	$ 21,432	11.00%
	Depreciation	$ 40,000	$ 20,000	$ 40,000	$ 40,000	$ -	0.00%
	Subtotal	$ 40,000	$ 20,000	$ 40,000	$ 40,000	$ -	0.00%
	Total	**$ 658,606**	**$ 314,547**	**$ 664,193**	**$ 746,589**	**$ 87,983**	**13.36%**

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Wastewater Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2024-2025

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Urban Wastewater Summary

		FY 2024			FY 2025	
		Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)		9.289			9.289	0.00%
Operations Budget						
Projected Revenues						
Operations Rate		**$ 2.922**			**$ 3.247**	11.12%
Revenue		$ 9,908,321	$ 5,123,514	$ 10,247,028	$ 11,007,464	11.09%
Stone Robinson WWTP		17,267	8,411	16,822	17,768	2.90%
Septage Acceptance		550,000	312,376	624,752	600,000	9.09%
Nutrient Credits		80,000	49,915	99,830	50,000	-37.50%
Miscellaneous Revenue		-	4,360	8,720	-	
Interest Allocation		3,300	38,755	77,510	74,000	2142.42%
Total Operations Revenues		**$ 10,558,888**	**$ 5,537,331**	**$ 11,074,662**	**$ 11,749,232**	**11.27%**
Projected Expenses						
Personnel Cost		$ 1,458,300	$ 751,417	$ 1,499,284	$ 1,615,345	10.77%
Professional Services		40,000	18,874	37,748	35,000	-12.50%
Other Services and Charges		2,271,556	1,295,013	2,590,026	2,721,750	19.82%
Communications		11,600	8,531	17,062	14,800	27.59%
Information Technology		110,600	32,166	64,332	95,500	-13.65%
Supplies		1,200	1,907	3,814	2,600	116.67%
Operations and Maintenance		2,086,800	949,611	2,559,222	2,190,500	4.97%
Equipment Purchases		73,500	39,911	79,822	73,500	0.00%
Depreciation & Reserves		470,000	235,000	470,000	470,000	0.00%
Subtotal before allocations		$ 6,523,556	$ 3,332,430	$ 7,321,310	$ 7,218,995	10.66%
Allocations of Support Departments		4,035,332	1,842,670	3,781,015	4,530,237	12.26%
Total Operations Expenses		**$ 10,558,888**	**$ 5,175,100**	**$ 11,102,325**	**$ 11,749,232**	**11.27%**
Operations Cost per 1,000 gallons		$3.114			$3.465	11.27%
Debt Service Budget						
Projected Revenue						
Debt Service Rate	CITY	**$ 394,890**			**$ 424,222**	**7.43%**
	ACSA	**$ 383,403**			**$ 422,158**	**10.11%**
Debt Service Rate Revenue - CITY		$ 4,738,675	$ 2,369,340	$ 4,738,680	$ 5,090,669	7.43%
Debt Service Rate Revenue - ACSA		4,600,834	2,300,418	4,600,836	5,065,891	10.11%
County MOU - Septage		109,440	109,440	109,440	109,440	0.00%
Trust Fund Interest		86,900	99,390	198,780	208,200	139.59%
Reserve Fund Interest		410,200	373,582	747,164	731,800	78.40%
Total Debt Service Revenue		**$ 9,946,049**	**$ 5,252,170**	**$ 10,394,900**	**$ 11,206,000**	12.67%
Principal, Interest & Reserves						
Total Principal & Interest		$ 7,812,249	$ 3,906,125	$ 7,812,250	$ 7,780,072	-0.41%
Reserve Additions - Interest		410,200	373,582	747,164	731,800	78.40%
Debt Service Ratio Charge		325,000	162,500	325,000	325,000	0.00%
Est. New Debt Service - CIP Growth		1,398,600	699,300	1,398,600	2,368,300	69.33%
Total Debt Principal and Interest		**$ 9,946,049**	**$ 5,141,507**	**$ 10,283,014**	**$ 11,205,172**	12.66%

Rate Center Summary					
Total Revenues	$ 20,504,937	$ 10,789,501	$ 21,469,562	$ 22,955,232	11.95%
Total Expenses	20,504,937	10,316,607	21,385,339	22,954,404	11.95%
Surplus/(Deficit)	**$ -**	**$ 472,894**	**$ 84,223**	**$ 828**	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 986,900	$ 524,955	$ 1,049,910	$ 1,099,350	$ 112,450	11.39%
11010	Overtime & Holiday Pay	55,000	21,838	43,676	60,000	5,000	9.09%
12010	FICA	79,705	40,753	81,506	88,690	8,985	11.27%
12020	Health Insurance	204,800	95,314	190,628	222,700	17,900	8.74%
12026	Employee Assistance Program	250	124	248	250	-	0.00%
12030	Retirement	82,801	41,107	82,214	94,324	11,523	13.92%
12040	Life Insurance	11,744	3,914	7,828	14,731	2,987	25.43%
12050	Fitness Program	1,400	995	1,990	1,400	-	0.00%
12060	Worker's Comp Insurance	11,000	5,325	7,100	13,000	2,000	18.18%
	Subtotal	$ 1,433,600	$ 734,325	$ 1,465,100	$ 1,594,445	$ 160,845	11.22%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 2,500	$ 1,878	$ 3,756	$ 2,500	$ -	0.00%
13150	Education & Training	8,000	7,653	15,306	4,000	(4,000)	-50.00%
13200	Travel & Lodging	1,200	1,520	3,040	1,400	200	16.67%
13250	Uniforms	11,000	5,138	10,276	11,000	-	0.00%
13325	Recruiting & Medical Testing	1,000	611	1,222	1,000	-	0.00%
13350	Other	1,000	292	584	1,000	-	0.00%
	Subtotal	$ 24,700	$ 17,092	$ 34,184	$ 20,900	$ (3,800)	-15.38%
	Professional Services						
20100	Legal Fees	$ 5,000	$ -	$ -	$ -	$ (5,000)	
20200	Financial & Admin. Services	5,000	2,175	4,350	5,000	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	30,000	16,699	33,398	30,000	-	0.00%
	Subtotal	$ 40,000	$ 18,874	$ 37,748	$ 35,000	$ (5,000)	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 93,500	$ 48,587	$ 97,174	$ 102,850	$ 9,350	10.00%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	20,900	14,192	28,384	29,000	8,100	38.76%
21300	Authority Dues/Permits/Fees	36,000	30,996	61,992	36,000	-	0.00%
21350	Laboratory Analysis	14,000	10,530	21,060	10,800	(3,200)	-22.86%
21400	Utilities	940,000	654,331	1,308,662	1,376,000	436,000	46.38%
21420	General Other Services	1,167,156	536,377	1,072,754	1,167,100	(56)	0.00%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 2,271,556	$ 1,295,013	$ 2,590,026	$ 2,721,750	$ 450,194	19.82%
22000	***Communication***						
22100	Radio	$ 2,000	$ 2,247	$ 4,494	$ 3,000	$ 1,000	
22150	Telephone & Data Service	5,000	3,208	6,416	5,700	700	
22200	Cell Phones, Wireless data	4,600	3,076	6,152	6,100	1,500	32.61%
	Subtotal	$ 11,600	$ 8,531	$ 17,062	$ 14,800	$ 3,200	27.59%
31000	***Information Technology***						
31100	Computer Hardware	$ 15,000	$ -	$ -	$ 7,000	$ (8,000)	-53.33%
31150	SCADA Maint. & Support	92,000	32,166	64,332	81,000	(11,000)	-11.96%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	-	-	-	-	-	
31300	Security Systems	3,600	-	-	7,500	3,900	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 110,600	$ 32,166	$ 64,332	$ 95,500	$ (15,100)	-13.65%
33000	***Supplies***						
33100	Office Supplies	$ 1,000	$ 1,523	$ 3,046	$ -	$ (1,000)	-100.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	200	384	768	2,600	2,400	1200.00%
	Subtotal	$ 1,200	$ 1,907	$ 3,814	$ 2,600	$ 1,400	116.67%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 55,800	$ 44,804	$ 89,608	$ 57,600	$ 1,800	3.23%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	62,500	10,018	620,036	62,500	-	0.00%
41400	Materials, Supplies & Tools	57,000	14,107	28,214	60,000	3,000	5.26%
41450	Chemicals	1,031,100	503,808	1,007,616	1,131,900	100,800	9.78%
41500	Vehicle Maintenance	20,000	9,539	19,078	27,000	7,000	35.00%
41550	Equipment Repair, Replace, Maint.	658,900	302,521	605,042	651,000	(7,900)	-1.20%
41600	Instrumentation & Metering	171,500	44,459	148,918	181,000	9,500	5.54%
41650	Fuel & Lubricants	40,000	35,882	71,764	34,500	(5,500)	-13.75%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41700	General Other Maintenance	(10,000)	(15,527)	(31,054)	(15,000)	(5,000)	-50.00%
	Subtotal	$ 2,086,800	$ 949,611	$ 2,559,222	$ 2,190,500	$ 103,700	4.97%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ -	$ 3,161	$ 6,322	$ -	$ -	#DIV/0!
81250	Equipment (over $10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	73,500	36,750	73,500	73,500	-	0.00%
	Subtotal	$ 73,500	$ 39,911	$ 79,822	$ 73,500	$ -	0.00%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 1,607,913	$ 734,316	$ 1,534,974	$ 668,958	$ (938,955)	-58.40%
95110	Finance & IT	-			1,288,957	1,288,957	
95300	Engineering Allocation	1,040,690	486,711	969,618	1,146,824	106,134	10.20%
95150	Maintenance Allocation	1,108,848	498,368	1,030,999	1,128,164	19,316	1.74%
95200	Laboratory Allocation	277,881	123,275	245,424	297,334	19,453	7.00%
	Subtotal	$ 4,035,332	$ 1,842,670	$ 3,781,015	$ 4,530,237	$ 494,905	12.26%
	Depreciation	$ 470,000	$ 235,000	$ 470,000	$ 470,000	$ -	0.00%
	Subtotal	$ 470,000	$ 235,000	$ 470,000	$ 470,000	$ -	0.00%
	Total	**$ 10,558,888**	**$ 5,175,100**	**$ 11,102,325**	**$ 11,749,232**	**$ 1,190,344**	**11.27%**

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Glenmore Wastewater Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)	0.113			0.113	
Operations Budget					
Projected Revenues					
Operations Rate (monthly)	**$ 43,493**			**$ 44,426**	2.15%
Revenue	521,916	$ 260,958	$ 521,916	533,112	2.15%
Interest Allocation	1,700	1,805	3,610	3,700	117.65%
Total Operations Revenues	**$ 523,616**	**$ 262,763**	**$ 525,526**	**$ 536,812**	**2.52%**
Projected Expenses					
Personnel Cost	$ 127,879	$ 66,225	$ 132,189	$ 133,566	4.45%
Professional Services	25,000	11,686	203,372	10,000	
Other Services and Charges	35,400	21,643	43,286	41,840	18.19%
Communications	3,450	1,652	3,304	3,700	7.25%
Information Technology	13,000	14,789	29,578	14,350	10.38%
Supplies	-	-	-	-	
Operations and Maintenance	143,550	57,103	114,206	130,600	-9.02%
Equipment Purchases	3,800	1,900	3,800	3,500	-7.89%
Depreciation	25,000	12,500	25,000	40,000	60.00%
Subtotal before allocations	$ 377,079	$ 187,498	$ 554,735	$ 377,556	0.13%
Allocations of Support Departments	146,535	66,696	136,734	159,261	8.68%
Total Operations Expenses	**$ 523,614**	**$ 254,194**	**$ 691,469**	**$ 536,817**	**2.52%**
Operations Cost per 1,000 gallons	$12.695			$13.015	
Debt Service Budget					
Projected Revenue					
Debt Service Rate (monthly)	**$ 1,890**			**$ 4,065**	115.08%
Debt Service Rate Revenue - ACSA	$ 22,680	$ 11,340	$ 22,680	$ 48,780	115.08%
Trust Fund Interest	200	247	494	500	
Reserve Fund Interest	-	-	-	-	#DIV/0!
Total Debt Service Revenue	**$ 22,880**	**$ 11,587**	**$ 23,174**	**$ 49,280**	**115.38%**
Principal, Interest & Reserves					
Total Principal & Interest	$ 18,729	$ 9,365	$ 18,730	$ 18,720	-0.05%
Estimated New Principal & Interest	4,150	2,075	4,150	30,560	636.39%
Reserve Additions - Interest	-	-	-	-	#DIV/0!
Total Debt Principal and Interest	**$ 22,879**	**$ 11,440**	**$ 22,880**	**$ 49,280**	**115.39%**

Rate Center Summary					
Total Revenues	$ 546,496	$ 274,350	$ 548,700	$ 586,092	7.25%
Total Expenses	546,493	265,634	714,349	586,097	7.25%
Surplus/(Deficit)	**$ 3**	**$ 8,716**	**$ (165,649)**	**$ (5)**	
Rates (Monthly)					
ACSA	**$ 45,383**			**$ 48,491**	**6.85%**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 86,850	$ 46,173	$ 92,346	$ 90,500	$ 3,650	4.20%
11010	Overtime & Holiday Pay	4,500	2,001	4,002	4,500	-	0.00%
12010	FICA	6,988	3,602	7,204	7,268	280	4.01%
12020	Health Insurance	18,600	8,509	17,018	19,500	900	4.84%
12026	Employee Assistance Program	20	11	22	20	-	0.00%
12030	Retirement	7,287	3,653	7,306	7,765	478	6.56%
12040	Life Insurance	1,034	530	1,060	1,213	179	17.31%
12050	Fitness Program	100	70	140	100	-	0.00%
12060	Worker's Comp Insurance	800	391	521	1,000	200	25.00%
	Subtotal	$ 126,179	$ 64,940	$ 129,619	$ 131,866	$ 5,687	4.51%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 150	$ 35	$ 70	$ 150	$ -	0.00%
13150	Education & Training	500	552	1,104	500	-	0.00%
13200	Travel & Lodging	100	141	282	100	-	0.00%
13250	Uniforms	850	475	950	850	-	0.00%
13325	Recruiting & Medical Testing	50	56	112	50	-	0.00%
13350	Other	50	26	52	50	-	0.00%
	Subtotal	$ 1,700	$ 1,285	$ 2,570	$ 1,700	$ -	0.00%
	Professional Services						
20100	Legal Fees		$ -	$ -	$ -	$ -	
20200	Financial & Admin. Services		150	300	-	-	
20250	Bond Issue Costs		-	-		-	
20300	Engineering & Technical Services	25,000	11,536	203,072	10,000	(15,000)	-60.00%
	Subtotal	$ 25,000	$ 11,686	$ 203,372	$ 10,000	$ (15,000)	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 400	$ 168	$ 336	$ 440	$ 40	10.00%
21150	Advertising & Communication		-	-	-	-	
21250	Watershed Management		-	-	-	-	
21253	Safety Programs/Supplies	2,300	607	1,214	4,300	2,000	86.96%
21300	Authority Dues/Permits/Fees	3,700	3,374	6,748	4,800	1,100	29.73%
21350	Laboratory Analysis	2,000	500	1,000	2,800	800	40.00%
21400	Utilities	27,000	16,994	33,988	29,500	2,500	9.26%
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 35,400	$ 21,643	$ 43,286	$ 41,840	$ 6,440	18.19%
22000	***Communication***						
22100	Radio	$ 250	$ 250	$ 500	$ 300	$ 50	
22150	Telephone & Data Service	2,500	985	1,970	2,550	50	
22200	Cell Phones, Wireless data	700	417	834	850	150	
	Subtotal	$ 3,450	$ 1,652	$ 3,304	$ 3,700	$ 250	
31000	***Information Technology***						
31100	Computer Hardware	$ 5,000	$ -	$ -	$ 2,000	$ (3,000)	-60.00%
31150	SCADA Maint. & Support	8,000	14,789	29,578	10,750	2,750	34.38%
31200	Maintenance & Support Services		-	-	-	-	
31250	Software & Subscriptions	-	-	-	1,600	1,600	
31300	Security Systems	-	-	-	-	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 13,000	$ 14,789	$ 29,578	$ 14,350	$ 1,350	10.38%
33000	***Supplies***						
33100	Office Supplies	$ -	$ -	$ -	$ -	$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 9,500	$ 5,007	$ 10,014	$ 9,500	$ -	0.00%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41400	Materials, Supplies & Tools	8,500	426	852	4,000	(4,500)	-52.94%
41450	Chemicals	5,300	2,604	5,208	5,300	-	0.00%
41500	Vehicle Maintenance	750	267	534	-	(750)	-100.00%
41550	Equipment Repair, Replace, Maint.	40,000	2,641	5,282	33,900	(6,100)	-15.25%
41600	Instrumentation & Metering	5,000	-	-	5,000	-	0.00%
41650	Fuel & Lubricants	3,000	1,346	2,692	3,900	900	30.00%
41700	General Other Maintenance	71,500	44,812	89,624	69,000	(2,500)	-3.50%
	Subtotal	$ 143,550	$ 57,103	$ 114,206	$ 130,600	$ (12,950)	-9.02%
81000	***Equipment Purchases***						
81200	Rental & Leases		$ -	$ -	$ -	$ -	
81250	Equipment (over $10,000)		-	-	-	-	
81300	Vehicle Replacement Fund	3,800	1,900	3,800	3,500	(300)	-7.89%
	Subtotal	$ 3,800	$ 1,900	$ 3,800	$ 3,500	$ (300)	-7.89%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 33,498	$ 15,298	$ 31,979	$ 13,937	$ (19,561)	-58.39%
95110	Finance & IT	-			26,853	26,853	
95300	Engineering Allocation	35,478	16,592	33,055	39,096	3,618	10.20%
95150	Maintenance Allocation	68,690	30,872	63,867	69,886	1,196	1.74%
95200	Laboratory Allocation	8,869	3,934	7,833	9,489	620	6.99%
	Subtotal	$ 146,535	$ 66,696	$ 136,734	$ 159,261	$ 12,726	8.68%
	Depreciation	$ 25,000	$ 12,500	$ 25,000	$ 40,000	$ 15,000	60.00%
	Subtotal	$ 25,000	$ 12,500	$ 25,000	$ 40,000	$ 15,000	60.00%
	Total	**$ 523,614**	**$ 254,194**	**$ 691,469**	**$ 536,817**	**$ 13,203**	**2.52%**

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Scottsville Wastewater Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Projected Flow (MGD)	0.065			0.065	
Operations Budget					
Projected Revenues					
Operations Rate (monthly)	**$ 32,016**			**$ 33,785**	5.53%
Revenue	$ 384,192	$ 192,096	$ 384,192	$ 405,420	5.53%
Interest Allocation	1,300	1,461	2,922	2,700	107.69%
Total Operations Revenues	**$ 385,492**	**$ 193,557**	**$ 387,114**	**$ 408,120**	**5.87%**
Projected Expenses					
Personnel Cost	$ 127,949	$ 66,225	$ 132,189	$ 133,636	4.44%
Professional Services	5,000	-	-	5,000	0.00%
Other Services and Charges	24,800	17,594	35,188	33,400	34.68%
Communications	3,800	5,878	11,756	3,650	-3.95%
Information Technology	14,025	413	826	15,150	8.02%
Supplies	-	615	1,230	-	
Operations and Maintenance	49,500	17,933	35,866	44,500	-10.10%
Equipment Purchases	3,700	1,850	3,700	3,500	-5.41%
Depreciation	20,000	10,000	20,000	20,000	0.00%
Subtotal before allocations	$ 248,774	$ 120,508	$ 240,755	$ 258,836	4.04%
Allocations of Support Departments	136,722	62,286	127,610	149,278	9.18%
Total Operations Expenses	**$ 385,496**	**$ 182,794**	**$ 368,365**	**$ 408,114**	**5.87%**
Operations Cost per 1,000 gallons	$16.249			$17.202	105.86%
Debt Service Budget					
Projected Revenue					
Debt Service Rate (monthly)	**$ 1,553**			**$ 2,713**	74.69%
Debt Service Rate Revenue - ACSA	$ 18,636	$ 9,318	$ 18,636	$ 32,556	74.69%
Trust Fund Interest	80	103	206	200	150.00%
Reserve Fund Interest	1,800	1,603	3,206	3,400	88.89%
Total Debt Service Revenue	**$ 20,516**	**$ 11,024**	**$ 22,048**	**$ 36,156**	**76.23%**
Principal, Interest & Reserves					
Total Principal & Interest	$ 7,471	$ 3,736	$ 7,472	$ 7,453	-0.24%
Estimated New Principal & Interest	11,250	5,625	11,250	25,300	124.89%
Reserve Additions - Interest	1,800	1,603	3,206	3,400	88.89%
Total Debt Principal and Interest	**$ 20,521**	**$ 10,964**	**$ 21,928**	**$ 36,153**	**76.18%**

Rate Center Summary					
Total Revenues	$ 406,008	$ 204,581	$ 409,162	$ 444,276	9.43%
Total Expenses	406,017	193,758	390,293	444,267	9.42%
Surplus/(Deficit)	**$ (9)**	**$ 10,823**	**$ 18,869**	**$ 9**	
Rates (Monthly)					
ACSA	**$ 33,569**			**$ 36,498**	**8.73%**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 86,850	$ 46,173	$ 92,346	$ 90,500	$ 3,650	4.20%
11010	Overtime & Holiday Pay	4,500	2,001	4,002	4,500	-	0.00%
12010	FICA	6,988	3,602	7,204	7,268	280	4.01%
12020	Health Insurance	18,600	8,509	17,018	19,500	900	4.84%
12026	Employee Assistance Program	20	11	22	20	-	0.00%
12030	Retirement	7,287	3,653	7,306	7,765	478	6.56%
12040	Life Insurance	1,034	530	1,060	1,213	179	17.31%
12050	Fitness Program	100	70	140	100	-	0.00%
12060	Worker's Comp Insurance	800	391	521	1,000	200	25.00%
	Subtotal	$ 126,179	$ 64,940	$ 129,619	$ 131,866	$ 5,687	4.51%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 100	$ 35	$ 70	$ 100	$ -	0.00%
13150	Education & Training	600	552	1,104	600	-	0.00%
13200	Travel & Lodging	100	141	282	100	-	0.00%
13250	Uniforms	850	475	950	850	-	0.00%
13325	Recruiting & Medical Testing	70	57	114	70	-	
13350	Other	50	25	50	50	-	0.00%
	Subtotal	$ 1,770	$ 1,285	$ 2,570	$ 1,770	$ -	0.00%
	Professional Services						
20100	Legal Fees		$ -	$ -	$ -	$ -	
20200	Financial & Admin. Services		-	-	-	-	
20250	Bond Issue Costs		-	-		-	
20300	Engineering & Technical Services	5,000	-	-	5,000	-	0.00%
	Subtotal	$ 5,000	$ -	$ -	$ 5,000	$ -	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 1,000	$ 504	$ 1,008	$ 1,100	$ 100	10.00%
21150	Advertising & Communication		-	-		-	
21250	Watershed Management		-	-	-	-	
21253	Safety Programs/Supplies	2,500	651	1,302	4,700	2,200	88.00%
21300	Authority Dues/Permits/Fees	3,700	3,374	6,748	4,800	1,100	29.73%
21350	Laboratory Analysis	1,600	2,050	4,100	2,800	1,200	75.00%
21400	Utilities	16,000	11,015	22,030	20,000	4,000	25.00%
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 24,800	$ 17,594	$ 35,188	$ 33,400	$ 8,600	34.68%
22000	***Communication***						
22100	Radio	$ 250	$ 250	$ 500	$ 300	$ 50	20.00%
22150	Telephone & Data Service	3,300	5,422	10,844	2,950	(350)	-10.61%
22200	Cell Phones, Wireless data	250	206	412	400	150	60.00%
	Subtotal	$ 3,800	$ 5,878	$ 11,756	$ 3,650	$ (150)	-3.95%
31000	***Information Technology***						
31100	Computer Hardware	$ 5,000	$ -	$ -	$ 2,000	$ (3,000)	-60.00%
31150	SCADA Maint. & Support	7,825	413	826	10,750	2,925	37.38%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software & Subscriptions	-	-	-	-	-	
31300	Security Systems	1,200	-	-	2,400	1,200	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 14,025	$ 413	$ 826	$ 15,150	$ 1,125	8.02%
33000	***Supplies***						
33100	Office Supplies	$ -	$ -	$ -	$ -	$ -	
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	615	1,230	-	-	
	Subtotal	$ -	$ 615	$ 1,230	$ -	$ -	
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 10,400	$ 3,631	$ 7,262	$ 11,000	$ 600	5.77%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	2,500	570	1,140	2,000	(500)	-20.00%
41450	Chemicals	1,000	2,975	5,950	1,000	-	0.00%
41500	Vehicle Maintenance	600	267	534	-	(600)	-100.00%
41550	Equipment Repair, Replace, Maint.	15,000	6,072	12,144	13,900	(1,100)	-7.33%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41600	Instrumentation & Metering	5,000	-	-	2,000	(3,000)	-60.00%
41650	Fuel & Lubricants	1,800	598	1,196	1,400	(400)	-22.22%
41700	General Other Maintenance	13,200	3,820	7,640	13,200	-	0.00%
	Subtotal	$ 49,500	$ 17,933	$ 35,866	$ 44,500	$ (5,000)	-10.10%
81000	***Equipment Purchases***						
81200	Rental & Leases		$ -	$ -	$ -	$ -	
81250	Equipment (over $10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	3,700	1,850	3,700	3,500	(200)	-5.41%
	Subtotal	$ 3,700	$ 1,850	$ 3,700	$ 3,500	$ (200)	-5.41%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ 33,498	$ 15,298	$ 31,979	$ 13,937	$ (19,561)	-58.39%
95110	Finance & IT	-			26,853	26,853	
95300	Engineering Allocation	35,478	16,592	33,055	39,096	3,618	10.20%
95150	Maintenance Allocation	58,877	26,462	54,743	59,903	1,026	1.74%
95200	Laboratory Allocation	8,869	3,934	7,833	9,489	620	6.99%
	Subtotal	$ 136,722	$ 62,286	$ 127,610	$ 149,278	$ 12,556	9.18%
	Depreciation	$ 20,000	$ 10,000	$ 20,000	$ 20,000	$ -	0.00%
	Subtotal	$ 20,000	$ 10,000	$ 20,000	$ 20,000	$ -	0.00%
	Total	**$ 385,496**	**$ 182,794**	**$ 368,365**	**$ 408,114**	**$ 22,618**	**5.87%**

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Support Departments

Fiscal Year 2024-2025

Rivanna Water and Sewer Authority

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Administration Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Operations Budget					
Projected Revenues & Sources					
Payment for Services SWA	$ 781,000	$ 390,500	$ 781,000	$ 364,200	-53.37%
Bond Proceeeds Funding Bond Issuance Costs	-	-	-	-	
Miscellaneous Revenue	-	5,996	5,996	-	#DIV/0!
Total Operations Revenues	**$ 781,000**	**$ 396,496**	**$ 786,996**	**$ 364,200**	**-53.37%**
Projected Expenses					
Personnel Cost	$ 2,930,008	$ 1,374,909	$ 2,740,141	$ 1,348,563	-53.97%
Professional Services	136,450	59,060	153,274	153,250	12.31%
Other Services and Charges	140,760	85,507	153,606	161,100	14.45%
Communications	42,800	41,237	82,474	9,700	-77.34%
Information Technology	778,800	327,760	755,520	5,000	-99.36%
Supplies	22,800	9,258	18,516	14,000	-38.60%
Operations and Maintenance	64,200	21,001	66,150	57,250	-10.83%
Equipment Purchases	15,000	7,589	15,178	9,000	-40.00%
Depreciation	-	-	-	-	
Total Operations Expenses	**$ 4,130,818**	**$ 1,926,321**	**$ 3,984,859**	**$ 1,757,863**	**-57.45%**

Department Summary						
Total Revenues		$ 781,000	$ 396,496	$ 786,996	$ 364,200	-53.37%
Total Expenses		4,130,818	1,926,321	3,984,859	1,757,863	-57.45%
Net Costs Allocable to Rate Centers		**$ (3,349,818)**	**$ (1,529,825)**	**$ (3,197,863)**	**$ (1,393,663)**	-58.40%
Allocations to the Rate Centers						
Urban Water	44.00%	**$ 1,473,920**	**$ 673,123**	**$ 1,407,060**	**$ 613,212**	
Crozet Water	4.00%	**133,993**	**61,193**	**127,915**	**55,747**	
Scottsville Water	2.00%	**66,996**	**30,597**	**63,957**	**27,873**	
Urban Wastewater	48.00%	**1,607,913**	**734,316**	**1,534,974**	**668,958**	
Glenmore Wastewater	1.00%	**33,498**	**15,298**	**31,979**	**13,937**	
Scottsville Wastewater	1.00%	**33,498**	**15,298**	**31,979**	**13,937**	
	100.00%	**$ 3,349,818**	**$ 1,529,825**	**$ 3,197,864**	**$ 1,393,664**	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Administration

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 2,157,400	$ 1,012,168	$ 2,024,336	$ 993,200	$ (1,164,200)	-53.96%
11010	Overtime & Holiday Pay	500	1,531	3,062	100	(400)	-80.00%
12010	FICA	165,079	67,180	134,360	75,987	(89,092)	-53.97%
12020	Health Insurance	314,550	148,939	297,878	131,100	(183,450)	-58.32%
12026	Employee Assistance Program	300	160	320	150	(150)	-50.00%
12030	Retirement	181,006	85,817	171,634	85,217	(95,789)	-52.92%
12040	Life Insurance	25,673	15,077	30,154	13,309	(12,364)	-48.16%
12050	Fitness Program	3,000	692	1,384	1,500	(1,500)	-50.00%
12060	Worker's Comp Insurance	9,700	4,690	6,253	5,000	(4,700)	-48.45%
	Subtotal	$ 2,857,208	$ 1,336,254	$ 2,669,381	$ 1,305,563	$ (1,551,645)	-54.31%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 1,800	$ 555	$ 1,110	$ 1,500	$ (300)	-16.67%
13150	Education & Training	38,500	15,947	$ 31,894	10,500	(28,000)	-72.73%
13200	Travel & Lodging	5,000	9,275	12,000	2,500	(2,500)	-50.00%
13250	Uniforms	5,000	818	1,636	1,500	(3,500)	-70.00%
13325	Recruiting & Medical Testing	3,500	1,181	2,362	2,000	(1,500)	-42.86%
13350	Other	19,000	10,879	21,758	25,000	6,000	31.58%
	Subtotal	$ 72,800	$ 38,655	$ 70,760	$ 43,000	$ (29,800)	-40.93%
	Professional Services						
20100	Legal Fees	$ 60,000	$ 7,423	$ 50,000	$ 60,000	$ -	0.00%
20200	Financial & Admin. Services	46,450	26,654	53,308	63,250	16,800	36.17%
20250	Bond Issue Costs	-	-	-	-	-	0.00%
20300	Engineering & Technical Services	30,000	24,983	49,966	30,000	-	0.00%
	Subtotal	$ 136,450	$ 59,060	$ 153,274	$ 153,250	$ 16,800	12.31%
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 5,700	$ 2,942	$ 5,884	$ 3,500	$ (2,200)	-38.60%
21150	Advertising & Communication	18,000	6,140	12,280	18,500	500	2.78%
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	11,560	8,589	17,178	15,000	3,440	29.76%
21300	Authority Dues/Permits/Fees	44,100	28,460	56,920	-	(44,100)	-100.00%
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	1,400	913	1,826	1,600	200	14.29%
21420	General Other Services	37,500	18,400	36,800	102,500	65,000	173.33%
21430	Governance & Strategic Support	20,000	1,359	2,718	20,000	-	0.00%
21450	Bad Debt	2,500	18,704	20,000	-	(2,500)	
	Subtotal	$ 140,760	$ 85,507	$ 153,606	$ 161,100	$ 20,340	14.45%
22000	***Communication***						
22100	Radio	$ 1,800	$ 1,742	$ 3,484	$ 2,200	$ 400	22.22%
22150	Telephone & Data Service	23,000	30,394	60,788	-	(23,000)	-100.00%
22200	Cell Phones, Wireless data	18,000	9,101	18,202	7,500	(10,500)	-58.33%
	Subtotal	$ 42,800	$ 41,237	$ 82,474	$ 9,700	$ (33,100)	-77.34%
31000	***Information Technology***						
31100	Computer Hardware	$ 145,000	$ 47,657	$ 145,314	$ -	$ (145,000)	-100.00%
31150	SCADA Maint. & Support	59,000	14,592	29,184	-	(59,000)	-100.00%
31200	Maintenance & Support Services	167,000	194,142	388,284	5,000	(162,000)	-97.01%
31250	Software & Subscriptions	312,800	71,369	192,738	-	(312,800)	-100.00%
31300	Security Systems	95,000	-	-	-	(95,000)	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 778,800	$ 327,760	$ 755,520	$ 5,000	$ (773,800)	-99.36%
33000	***Supplies***						
33100	Office Supplies	$ 15,000	$ 5,371	$ 10,742	$ 10,000	$ (5,000)	-33.33%
33150	Subscriptions/Reference Material	800	396	792	-	(800)	-100.00%
33350	Postage & Delivery	7,000	3,491	6,982	4,000	(3,000)	-42.86%
	Subtotal	$ 22,800	$ 9,258	$ 18,516	$ 14,000	$ (8,800)	-38.60%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 50,000	$ 19,858	$ 49,716	$ 45,000	$ (5,000)	-10.00%
41150	Building/land Lease, Rental	6,200	3,540	7,080	6,500	300	4.84%
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	1,500	172	344	750	(750)	-50.00%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	2,500	(6,074)	2,000	3,000	500	20.00%
41550	Equipment Repair, Replace, Maint.	-	-	-	-	-	
41600	Instrumentation & Metering	-	-	-	-	-	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Administration

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41650	Fuel & Lubricants	4,000	3,505	7,010	2,000	(2,000)	-50.00%
41700	General Other Maintenance		-	-	-	-	
	Subtotal	$ 64,200	$ 21,001	$ 66,150	$ 57,250	$ (6,950)	-10.83%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ -	$ 89	$ 178	$ -	$ -	
81250	Equipment (over $10,000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	15,000	7,500	15,000	9,000	(6,000)	-40.00%
	Subtotal	$ 15,000	$ 7,589	$ 15,178	$ 9,000	$ (6,000)	-40.00%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ -	$ -	$ -	$ -	$ -	
95110	Finance & IT						
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Depreciation	-	-	-	$ -	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Total	**$ 4,130,818**	**$ 1,926,321**	**$ 3,984,859**	**$ 1,757,863**	**$ (2,372,955)**	**-57.45%**

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Rivanna Water & Sewer Authority
FY 2025 Proposed Budget

Finance & IT Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Operations Budget					
Projected Revenues & Sources					
Payment for Services SWA	$ -	$ -	$ -	$ 541,000	
Bond Proceeeds Funding Bond Issuance Costs	-	-	-	-	
Miscellaneous Revenue	-	-	-	-	
Total Operations Revenues	**$ -**	**$ -**	**$ -**	**$ 541,000**	
Projected Expenses					
Personnel Cost	$ -	$ -	$ -	$ 2,083,478	
Professional Services	-	-	-	42,000	
Other Services and Charges	-	-	-	46,000	
Communications	-	-	-	65,000	
Information Technology	-	-	-	962,850	
Supplies	-	-	-	14,500	
Operations and Maintenance	-	-	-	5,000	
Equipment Purchases	-	-	-	7,500	
Depreciation	-	-	-	-	
Total Operations Expenses	**$ -**	**$ -**	**$ -**	**$ 3,226,328**	

Department Summary					
Total Revenues		$ -	$ -	$ -	$ 541,000
Total Expenses		-	-	-	3,226,328
Net Costs Allocable to Rate Centers		**$ -**	**$ -**	**$ -**	**$ (2,685,328)**
Allocations to the Rate Centers					
Urban Water	44.00%	**$ -**	**$ -**	**$ -**	**$ 1,181,544**
Crozet Water	4.00%	**-**	**-**	**-**	**107,413**
Scottsville Water	2.00%	**-**	**-**	**-**	**53,707**
Urban Wastewater	48.00%	**-**	**-**	**-**	**1,288,957**
Glenmore Wastewater	1.00%	**-**	**-**	**-**	**26,853**
Scottsville Wastewater	1.00%	**-**	**-**	**-**	**26,853**
	100.00%	**$ -**	**$ -**	**$ -**	**$ 2,685,327**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Finance & IT

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ -	$ -	$ -	$ 1,543,700	$ 1,543,700	
11010	Overtime & Holiday Pay	-	-	-	-	-	
12010	FICA	-	-	-	118,093	118,093	
12020	Health Insurance	-	-	-	217,400	217,400	
12026	Employee Assistance Program	-	-	-	150	150	
12030	Retirement	-	-	-	132,449	132,449	
12040	Life Insurance	-	-	-	20,686	20,686	
12050	Fitness Program	-	-	-	1,500	1,500	
12060	Worker's Comp Insurance	-	-	-	6,000	6,000	
	Subtotal	$ -	$ -	$ -	$ 2,039,978	$ 2,039,978	#DIV/0!
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ -	$ -	$ -	$ 2,000	$ 2,000	
13150	Education & Training	-	-	-	27,000	27,000	
13200	Travel & Lodging	-	-	-	8,000	8,000	
13250	Uniforms	-	-	-	5,000	5,000	
13325	Recruiting & Medical Testing	-	-	-	500	500	
13350	Other	-	-	-	1,000	1,000	
	Subtotal	$ -	$ -	$ -	$ 43,500	$ 43,500	#DIV/0!
	Professional Services						
20100	Legal Fees	$ -	$ -	$ -	$ 5,000	$ 5,000	
20200	Financial & Admin. Services	-	-	-	37,000	37,000	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ 42,000	$ 42,000	#DIV/0!
	Other Services and Charges						
21100	General Liability/Property Ins.	$ -	$ -	$ -	$ 3,500	$ 3,500	
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	-	-	-	-	-	
21300	Authority Dues/Permits/Fees	-	-	-	42,500	42,500	
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ 46,000	$ 46,000	#DIV/0!
22000	***Communication***						
22100	Radio	$ -	$ -	$ -	$ -	$ -	
22150	Telephone & Data Service	-	-	-	55,000	55,000	
22200	Cell Phones, Wireless data	-	-	-	10,000	10,000	
	Subtotal	$ -	$ -	$ -	$ 65,000	$ 65,000	#DIV/0!
31000	***Information Technology***						
31100	Computer Hardware	$ -	$ -	$ -	$ 186,250	$ 186,250	
31150	SCADA Maint. & Support	-	-	-	104,000	104,000	
31200	Maintenance & Support Services	-	-	-	283,500	283,500	
31250	Software & Subscriptions	-	-	-	299,100	299,100	
31300	Security Systems	-	-	-	90,000	90,000	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ 962,850	$ 962,850	#DIV/0!
33000	***Supplies***						
33100	Office Supplies	$ -	$ -	$ -	$ 7,500	$ 7,500	
33150	Subscriptions/Reference Material	-	-	-	1,000	1,000	
33350	Postage & Delivery	-	-	-	6,000	6,000	
	Subtotal	$ -	$ -	$ -	$ 14,500	$ 14,500	#DIV/0!
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ -	$ -	$ -	$ -	$ -	
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	-	-	-	-	-	

41450	Chemicals		-		-		-		-		-	
41500	Vehicle Maintenance		-		-		-		3,000		3,000	
41550	Equipment Repair, Replace, Maint.		-		-		-		-		-	
41600	Instrumentation & Metering		-		-		-		-		-	
41650	Fuel & Lubricants		-		-		-		2,000		2,000	
41700	General Other Maintenance				-		-		-		-	
	Subtotal	$	-	$	-	$	-	$	5,000	$	5,000	#DIV/0!
81000	***Equipment Purchases***											
81200	Rental & Leases	$	-	$	-	$	-	$	-	$	-	
81250	Equipment (over $10,000)		-		-		-		-		-	
81300	Vehicle Replacement Fund		-		-		-		7,500		7,500	
	Subtotal	$	-	$	-	$	-	$	7,500	$	7,500	#DIV/0!
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**	**$**	**3,226,328**	

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Maintenance Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Operations Budget					
Projected Revenues					
Miscellaneous Revenue	$ -	$ 1,067	$ 2,134	$ -	
Payment for Services SWA	-	-	-	-	
Total Operations Revenues	**$ -**	**$ 1,067**	**$ 2,134**	**$ -**	
Projected Expenses					
Personnel Cost	$ 1,553,212	$ 744,663	$ 1,483,789	$ 1,645,860	5.96%
Professional Services	25,000	-	-	10,000	
Other Services and Charges	36,400	10,615	21,230	29,140	-19.95%
Communications	11,300	12,261	702	16,200	43.36%
Information Technology	17,500	505	1,010	7,500	-57.14%
Supplies	4,000	-	-	3,500	-12.50%
Operations and Maintenance	114,150	50,090	120,180	138,800	21.59%
Equipment Purchases	201,000	65,000	200,000	145,750	-27.49%
Depreciation	-	-	-	-	
Total Operations Expenses	**$ 1,962,562**	**$ 883,134**	**$ 1,826,911**	**$ 1,996,750**	**1.74%**

Department Summary					
Total Revenues		$ -	$ 1,067	$ 2,134	$ -
Total Expenses		1,962,562	883,134	1,826,911	1,996,750
Net Costs Allocable to Rate Centers		**$ (1,962,562)**	**$ (882,067)**	**$ (1,824,777)**	**$ (1,996,750)**
Allocations to the Rate Centers					
Urban Water	30.00%	**$ 588,769**	**$ 264,620**	**$ 547,433**	**$ 599,025**
Crozet Water	3.50%	**68,690**	**30,872**	**63,867**	**69,886**
Scottsville Water	3.50%	**68,690**	**30,872**	**63,867**	**69,886**
		-		**-**	
Urban Wastewater	56.50%	**1,108,848**	**498,368**	**1,030,999**	**1,128,164**
Glenmore Wastewater	3.50%	**68,690**	**30,872**	**63,867**	**69,886**
Scottsville Wastewater	3.00%	**58,877**	**26,462**	**54,743**	**59,903**
	100.00%	**$ 1,962,564**	**$ 882,066**	**$ 1,824,776**	**$ 1,996,750**

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Maintenance

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 1,066,100	$ 523,954	$ 1,047,908	$ 1,127,800	$ 61,700	5.79%
11010	Overtime & Holiday Pay	15,000	5,542	11,084	15,500	500	3.33%
12010	FICA	82,704	39,250	78,500	87,462	4,758	5.75%
12020	Health Insurance	235,100	103,002	206,004	246,800	11,700	4.98%
12026	Employee Assistance Program	275	133	266	275	-	0.00%
12030	Retirement	89,446	42,131	84,262	96,765	7,319	8.18%
12040	Life Insurance	12,687	7,485	14,970	15,113	2,426	19.12%
12050	Fitness Program	-	-	-	-	-	0.00%
12060	Worker's Comp Insurance	17,200	8,306	11,075	17,200	-	0.00%
	Subtotal	$ 1,518,512	$ 729,803	$ 1,454,069	$ 1,606,915	$ 88,403	5.82%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 250	$ -	$ -	$ 375	$ 125	50.00%
13150	Education & Training	15,000	8,890	17,780	24,200	9,200	61.33%
13200	Travel & Lodging	650	649	1,298	650	-	0.00%
13250	Uniforms	15,500	3,571	7,142	11,720	(3,780)	-24.39%
13325	Recruiting & Medical Testing	2,500	335	670	1,000	(1,500)	-60.00%
13350	Other	800	1,415	2,830	1,000	200	25.00%
	Subtotal	$ 34,700	$ 14,860	$ 29,720	$ 38,945	$ 4,245	12.23%
	Professional Services						
20100	Legal Fees	$ -	$ -	$ -	$ -	$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	25,000	-	-	10,000	(15,000)	
	Subtotal	$ 25,000	$ -	$ -	$ 10,000	$ (15,000)	
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 7,400	$ 3,867	$ 7,734	$ 8,140	$ 740	10.00%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	25,000	5,935	11,870	17,000	(8,000)	-32.00%
21300	Authority Dues/Permits/Fees	-	-	-	-	-	
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	
21420	General Other Services	4,000	813	1,626	4,000	-	0.00%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 36,400	$ 10,615	$ 21,230	$ 29,140	$ (7,260)	-19.95%
22000	***Communication***						
22100	Radio	$ 500	$ 3,995	$ 7,990	$ 500	$ -	0.00%
22150	Telephone & Data Service	800	-	-	500	(300)	-37.50%
22200	Cell Phones, Wireless data	10,000	8,266	16,532	15,200	5,200	52.00%
	Subtotal	$ 11,300	$ 12,261	$ 24,522	$ 16,200	$ 4,900	43.36%
31000	***Information Technology***						
31100	Computer Hardware	$ 13,000	$ 42	$ 84	$ 5,000	$ (8,000)	-61.54%
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	2,500	463	926	-	(2,500)	-100.00%
31250	Software & Subscriptions	2,000	-	-	2,500	500	25.00%
31300	Security Systems	-	-	-	-	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 17,500	$ 505	$ 1,010	$ 7,500	$ (10,000)	-57.14%
33000	***Supplies***						
33100	Office Supplies	$ 4,000	$ -	$ -	$ 3,500	$ (500)	-12.50%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
	Subtotal	$ 4,000	$ -	$ -	$ 3,500	$ (500)	-12.50%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 20,000	$ 3,164	$ 6,328	$ 22,950	$ 2,950	14.75%
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	5,000	394	788	5,000	-	0.00%
41400	Materials, Supplies & Tools	25,000	12,716	25,432	31,000	6,000	24.00%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	16,800	17,199	34,398	13,000	(3,800)	-22.62%
41550	Equipment Repair, Replace, Maint.	30,350	1,194	22,388	26,850	(3,500)	-11.53%
41600	Instrumentation & Metering	2,000	1,299	2,598	10,000	8,000	400.00%
41650	Fuel & Lubricants	15,000	14,124	28,248	30,000	15,000	100.00%
41700	General Other Maintenance	-	-	-	-	-	
	Subtotal	$ 114,150	$ 50,090	$ 120,180	$ 138,800	$ 24,650	21.59%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Maintenance

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
81000	***Equipment Purchases***						
81200	Rental & Leases	$ 1,000	$ -	$ -	$ 750	$ (250)	-25.00%
81250	Equipment (over $10,000)	70,000	-	70,000	15,000	(55,000)	-78.57%
81300	Vehicle Replacement Fund	130,000	65,000	130,000	130,000	-	0.00%
	Subtotal	$ 201,000	$ 65,000	$ 200,000	$ 145,750	$ (55,250)	-27.49%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ -	$ -	$ -	$ -	$ -	
95110	Finance & IT						
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Depreciation	-	-	-	$ -	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Total	**$ 1,962,562**	**$ 883,134**	**$ 1,850,731**	**$ 1,996,750**	**$ 34,188**	**1.74%**

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Laboratory Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Operations Budget					
Projected Revenues					
N/A					
Projected Expenses					
Personnel Cost	$ 456,056	$ 229,057	$ 456,420	$ 463,225	1.57%
Professional Services	-	-	-	-	
Other Services and Charges	14,580	674	1,348	9,550	-34.50%
Communications	1,400	351	-	1,050	-25.00%
Information Technology	1,000	-	-	-	-100.00%
Supplies	1,200	351	702	1,300	8.33%
Operations and Maintenance	115,300	31,004	62,008	133,600	15.87%
Equipment Purchases	1,700	850	1,700	23,900	1305.88%
Depreciation	-	-	-	-	
Total Operations Expenses	**$ 591,236**	**$ 262,287**	**$ 522,178**	**$ 632,625**	**7.00%**

Department Summary						
Total Revenues		$ -	$ -	$ -	$ -	
Total Expenses		591,236	262,287	522,178	632,625	7.00%
Net Costs Allocable to Rate Centers		**$ (591,236)**	**$ (262,287)**	**$ (522,178)**	**$ (632,625)**	
Allocations to the Rate Centers						
Urban Water	44.00%	**$ 260,144**	**$ 115,406**	**$ 229,758**	**$ 278,355**	
Crozet Water	4.00%	**23,649**	**10,491**	**20,887**	**25,305**	
Scottsville Water	2.00%	**11,825**	**5,246**	**10,444**	**12,653**	
		-	**-**	**-**		
Urban Wastewater	47.00%	**277,881**	**123,275**	**245,424**	**297,334**	
Glenmore Wastewater	1.50%	**8,869**	**3,934**	**7,833**	**9,489**	
Scottsville Wastewater	1.50%	**8,869**	**3,934**	**7,833**	**9,489**	
	100.00%	**$ 591,237**	**$ 262,286**	**$ 522,179**	**$ 632,625**	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 312,800	$ 171,510	$ 343,020	$ 331,100	$ 18,300	5.85%
11010	Overtime & Holiday Pay	17,000	4,272	8,544	2,500	(14,500)	-85.29%
12010	FICA	25,230	13,100	26,200	25,520	290	1.15%
12020	Health Insurance	58,800	19,453	38,906	61,700	2,900	4.93%
12026	Employee Assistance Program	60	36	72	60	-	0.00%
12030	Retirement	26,244	13,098	26,196	28,408	2,164	8.25%
12040	Life Insurance	3,722	2,332	4,664	4,437	715	19.21%
12050	Fitness Program	200	216	432	-	(200)	-100.00%
12060	Worker's Comp Insurance	5,300	2,541	3,388	5,300	-	0.00%
	Subtotal	$ 449,356	$ 226,558	$ 451,422	$ 459,025	$ 9,669	2.15%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 100	$ -	$ -	$ 100	$ -	0.00%
13150	Education & Training	4,500	1,455	2,910	2,000	(2,500)	-55.56%
13200	Travel & Lodging	500	924	1,848	500	-	0.00%
13250	Uniforms	1,000	60	120	800	(200)	-20.00%
13325	Recruiting & Medical Testing	500	-	-	500	-	0.00%
13350	Other	100	60	120	300	200	200.00%
	Subtotal	$ 6,700	$ 2,499	$ 4,998	$ 4,200	$ (2,500)	-37.31%
	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.	$ 500	$ 252	$ 504	$ 550	$ 50	10.00%
21150	Advertising & Communication		-	-	-	-	
21250	Watershed Management		-	-	-	-	
21253	Safety Programs/Supplies	6,580	33	66	1,000	(5,580)	-84.80%
21300	Authority Dues/Permits/Fees	5,500	330	660	5,500	-	0.00%
21350	Laboratory Analysis	1,000	59	118	2,500	1,500	150.00%
21400	Utilities	-	-	-	-	-	
21420	General Other Services	1,000	-	-	-	(1,000)	-100.00%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 14,580	$ 674	$ 1,348	$ 9,550	$ (5,030)	-34.50%
22000	***Communication***						
22100	Radio	$ -	$ -	$ -	$ -	$ -	
22150	Telephone & Data Service	-	-	-	-	-	
22200	Cell Phones, Wireless data	1,400	351	702	1,050	(350)	-25.00%
	Subtotal	$ 1,400	$ 351	$ 702	$ 1,050	$ (350)	
31000	***Information Technology***						
31100	Computer Hardware	$ -	$ -	$ -	$ -	$ -	
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	1,000	-	-	-	(1,000)	-100.00%
31250	Software & Subscriptions	-	-	-	-	-	
31300	Security Systems	-	-	-	-	-	
31325	Asset Mgt / Project Mgt Systems	-	-	-	-	-	
	Subtotal	$ 1,000	$ -	$ -	$ -	$ (1,000)	-100.00%
33000	***Supplies***						
33100	Office Supplies	$ 1,000	$ 253	$ 506	$ 1,200	$ 200	20.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	200	98	196	100	(100)	-50.00%
	Subtotal	$ 1,200	$ 351	$ 702	$ 1,300	$ 100	8.33%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ -	$ 169	$ 338	$ -	$ -	
41150	Building/land Lease, Rental	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials, Supplies & Tools	45,000	20,805	41,610	80,000	35,000	77.78%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41450	Chemicals	10,000	718	1,436	5,000	(5,000)	-50.00%
41500	Vehicle Maintenance	1,000	692	1,384	2,500	1,500	
41550	Equipment Repair, Replace, Maint.	29,500	3,384	6,768	6,000	(23,500)	-79.66%
41600	Instrumentation & Metering	28,800	4,731	9,462	39,300	10,500	36.46%
41650	Fuel & Lubricants	1,000	505	1,010	800	(200)	-20.00%
41700	General Other Maintenance	-	-	-	-	-	
	Subtotal	$ 115,300	$ 31,004	$ 62,008	$ 133,600	$ 18,300	15.87%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ -	$ -	$ -	$ -	$ -	
81250	Equipment (over $10,000)	-	-	-	20,000	20,000	
81300	Vehicle Replacement Fund	1,700	850	1,700	3,900	2,200	129.41%
	Subtotal	$ 1,700	$ 850	$ 1,700	$ 23,900	$ 22,200	1305.88%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ -	$ -	$ -	$ -	$ -	
95110	Finance & IT						
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Depreciation	-	-	-	$ -	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Total	**$ 591,236**	**$ 262,287**	**$ 522,880**	**$ 632,625**	**$ 41,389**	**7.00%**

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Engineering Summary

	FY 2024			FY 2025	
	Budgeted FY 2024	Actual for 6 months	Projected 12 months	***Proposed Budget***	***Budget % Change***
Operations Budget					
Projected Revenues					
Payment for Services SWA	$ -	$ 1,483	$ 2,966	$ -	
Total Operations Revenues	**$ -**	**$ 1,483**	**$ 2,966**	**$ -**	
Projected Expenses					
Personnel Cost	$ 2,022,024	$ 991,172	$ 1,975,211	$ 2,216,684	9.63%
Professional Services	30,000	5,806	11,612	32,500	8.33%
Other Services and Charges	22,000	5,450	9,387	20,465	-6.98%
Communications	19,540	7,831	15,662	15,150	-22.47%
Information Technology	154,900	66,161	132,322	211,900	36.80%
Supplies	8,500	1,671	3,342	5,600	-34.12%
Operations and Maintenance	86,740	18,804	37,608	82,620	-4.75%
Equipment Purchases	21,500	10,750	21,500	21,500	0.00%
Depreciation	-	-	-	-	
Total Operations Expenses	**$ 2,365,204**	**$ 1,107,645**	**$ 2,206,644**	**$ 2,606,419**	**10.20%**

Department Summary						
Total Revenues		$ -	$ 1,483	$ 2,966	$ -	
Total Expenses		2,365,204	1,107,645	2,206,644	2,606,419	10.20%
Net Costs Allocable to Rate Centers		**$ (2,365,204)**	**$ (1,106,162)**	**$ (2,203,678)**	**$ (2,606,419)**	
Allocations to the Rate Centers						
Urban Water	47.00%	**$ 1,111,646**	**$ 519,896**	**$ 1,035,729**	**$ 1,225,017**	
Crozet Water	4.00%	**94,608**	**44,246**	**88,147**	**104,257**	
Scottsville Water	2.00%	**47,304**	**22,123**	**44,074**	**52,128**	
Urban Wastewater	44.00%	**1,040,690**	**486,711**	**969,618**	**1,146,824**	
Glenmore Wastewater	1.50%	**35,478**	**16,592**	**33,055**	**39,096**	
Scottsville Wastewater	1.50%	**35,478**	**16,592**	**33,055**	**39,096**	
	100.00%	**$ 2,365,204**	**$ 1,106,160**	**$ 2,203,678**	**$ 2,606,418**	

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 1,489,000	$ 753,703	$ 1,507,406	$ 1,645,000	$ 156,000	10.48%
11010	Overtime & Holiday Pay	13,000	7,412	14,824	13,000	-	0.00%
12010	FICA	114,903	55,625	111,250	126,837	11,934	10.39%
12020	Health Insurance	206,000	79,076	158,152	232,100	26,100	12.67%
12026	Employee Assistance Program	250	115	230	250	-	0.00%
12030	Retirement	124,927	62,748	125,496	138,016	13,089	10.48%
12040	Life Insurance	17,719	11,243	22,486	19,576	1,857	10.48%
12050	Fitness Program	4,300	1,298	2,596	4,300	-	0.00%
12060	Worker's Comp Insurance	22,200	10,699	14,265	-	(22,200)	-100.00%
	Subtotal	$ 1,992,299	$ 981,919	$ 1,956,705	$ 2,179,079	$ 186,780	9.38%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 3,250	$ 918	$ 1,836	$ 3,250	$ -	0.00%
13150	Education & Training	10,000	5,979	11,958	15,680	5,680	56.80%
13200	Travel & Lodging	10,000	1,015	2,030	13,200	3,200	32.00%
13250	Uniforms	4,375	500	1,000	4,375	-	0.00%
13325	Recruiting & Medical Testing	1,500	-	-	500	(1,000)	-66.67%
13350	Other	600	841	1,682	600	-	0.00%
	Subtotal	$ 29,725	$ 9,253	$ 18,506	$ 37,605	$ 7,880	26.51%
	Professional Services						
20100	Legal Fees	$ 2,500	$ -	$ -	$ 5,000	$ 2,500	100.00%
20200	Financial & Admin. Services	2,500	3,300	6,600	2,500	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	25,000	2,506	5,012	25,000	-	0.00%
	Subtotal	$ 30,000	$ 5,806	$ 11,612	$ 32,500	$ 2,500	8.33%
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 4,400	$ 2,270	$ 3,027	$ 4,840	$ 440	10.00%
21150	Advertising & Communication	200	-	-	200	-	0.00%
21250	Watershed Management	-	-	-	-	-	
21253	Safety Programs/Supplies	9,825	2,564	5,128	6,675	(3,150)	-32.06%
21300	Authority Dues/Permits/Fees	1,500	-	-	1,500	-	0.00%
21350	Laboratory Analysis	250	-	-	250	-	0.00%
21400	Utilities	825	616	1,232	2,000	1,175	142.42%
21420	General Other Services	-	-	-	-	-	
21430	Governance & Strategic Support	5,000	-	-	5,000	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	$ 22,000	$ 5,450	$ 9,387	$ 20,465	$ (1,535)	-6.98%
22000	***Communication***						
22100	Radio	$ 4,600	$ 2,747	$ 5,494	$ 1,000	$ (3,600)	-78.26%
22150	Telephone & Data Service	1,500	71	142	750	(750)	-50.00%
22200	Cell Phones, Wireless data	13,440	5,013	10,026	13,400	(40)	-0.30%
	Subtotal	$ 19,540	$ 7,831	$ 15,662	$ 15,150	$ (4,390)	-22.47%
31000	***Information Technology***						
31100	Computer Hardware	$ 12,000	$ 4,940	$ 9,880	$ 2,000	$ (10,000)	-83.33%
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	56,700	60,921	121,842	16,800	(39,900)	-70.37%
31250	Software & Subscriptions	5,500	300	600	49,700	44,200	803.64%
31300	Security Systems	33,300	-	-	39,200	5,900	
31325	Asset Mgt / Project Mgt Systems	47,400	-	-	104,200	56,800	
	Subtotal	$ 154,900	$ 66,161	$ 132,322	$ 211,900	$ 57,000	36.80%
33000	***Supplies***						
33100	Office Supplies	$ 7,000	$ 884	$ 1,768	$ 3,500	$ (3,500)	-50.00%
33150	Subscriptions/Reference Material	900	600	1,200	1,500	600	66.67%
33350	Postage & Delivery	600	187	374	600	-	0.00%
	Subtotal	$ 8,500	$ 1,671	$ 3,342	$ 5,600	$ (2,900)	-34.12%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 19,240	$ 3,832	$ 7,664	$ 14,240	$ (5,000)	-25.99%
41150	Building/land Lease, Rental	1,900	1,141	2,282	2,100	200	10.53%
41300	Dam Maintenance	-	-	-	-		
41350	Pipeline/Appurtenances	17,000	5,583	11,166	16,280	(720)	-4.24%
41400	Materials, Supplies & Tools	14,000	3,030	6,060	15,000	1,000	7.14%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	24,000	1,130	2,260	24,000	-	0.00%
41550	Equipment Repair, Replace, Maint.	1,000	589	1,178	1,400	400	40.00%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41600	Instrumentation & Metering	-	-	-	-	-	
41650	Fuel & Lubricants	9,600	3,499	6,998	9,600	-	0.00%
41700	General Other Maintenance	-	-	-	-	-	
	Subtotal	$ 86,740	$ 18,804	$ 37,608	$ 82,620	$ (4,120)	-4.75%
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	**$ 2,365,204**	**$ 1,107,645**	**$ 2,206,644**	**$ 2,606,419**	**$ 241,215**	**10.20%**

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APPENDICES

Rivanna Water and Sewer Authority

Fiscal Year 2024-2025

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Flow Projections

	(1,000 GALLONS)			(MILLION GALLONS PER DAY)		
	FY 2024	***FY 2025***	***% Change***	***FY 2024***	***FY 2025***	***% Change***
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	3,617,627	3,617,627	0.00%	9.911	9.911	0.00%
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	3,455,444	3,455,444	0.00%	9.467	9.467	0.00%

Allocation (Urban Area Only)	***FY 2024***	***FY 2025***	**Allocation** ***% Change***
Water			
City	48%	49%	2.08%
ACSA	52%	51%	-1.92%
Wastewater			
City	46%	47%	2.17%
ACSA	54%	53%	-1.85%

FY 2025 allocations are based on FY 2023 retail flows reported by the City and ACSA.

	(1,000 GALLONS)			(MILLION GALLONS PER DAY)		
Allocation (Urban Area Only)	***FY 2024***	***FY 2025***	***% Change***	***FY 2024***	***FY 2025***	***% Change***
Water						
City	1,630,896	1,664,873	2.08%	4.468	4.561	2.08%
ACSA	1,766,804	1,732,827	-1.92%	4.841	4.747	-1.94%
	3,397,700	3,397,700				
Wastewater						
City	1,559,584	1,593,488	2.17%	4.273	4.366	2.18%
ACSA	1,830,816	1,796,912	-1.85%	5.016	4.923	-1.85%
	3,390,400	3,390,400				

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 2025	City %	City Amount	Annual Total
ALLOCATION BASED ON FLOWS				
Regional Water System Projects:				
9.2% of 2019 Refunding Bond	$ 129,414	49.00%	$ 63,413	
14.2% of 2015B Bond - New Projects	240,165	49.00%	117,681	**181,094**
Revenues that offset Debt Service				
Trust Fund Interest	(185,000)	49.00%	(90,650)	
Use of Reserves	-	FIXED	-	
Lease Revenues	(10,000)	49.00%	(4,900)	**(95,550)**
RATES BASED ON FIXED AGREEMENTS				
2003 & 2012 Urban Water Agreement				
Water Supply Expansion (15%/85%)				
100% of 2012B Revenue Bond	1,338,372	15.00%	200,756	
9.0% of 2015B Bond - Refunding	142,487	15.00%	21,373	
Water Pipeline (20%/80%)				
10.4% of 2018 Bond	162,586	20.00%	32,517	
Non-Water Supply - Other Projects (48%/52%)				
47.4% of 2015B Bond - Refunding	750,434	48.00%	360,208	
77.8% of 2015B Bond - New Projects	1,315,836	48.00%	631,601	
37.7% of 2018 Bond	1,038,745	48.00%	498,598	
91.6% of 2021 Bond	1,268,158	48.00%	608,716	
South Rivanna Expansion of 1999				
10.3% of 2015B Bond - Refunding	163,069	0.00%	-	**2,353,769**
Southern Loop Water Line, West Branch				
0.8% of 2019 Refunding Bond	10,730	24.51%	2,630	**2,630**
South Rivanna Connector Main				
3.0% of 2019 Refunding Bond	42,243	52.00%	21,966	**21,966**
Northern Area Agreement				
25% of 2021 Bond	476,035	0.00%	-	**-**
DEBT SERVICE PROJECTED FROM 5-YEAR CIP				
CIP Growth Charge from 2025-2029 CIP	5,310,600	FIXED	1,906,800	**1,906,800**
Debt Service Coverage Ratio / Policy Charge	400,000	36.00%	144,000	**144,000**
Total Debt Service For Rate Computation	**$ 12,593,874**		**$ 4,514,709**	**$ 4,514,709**

ACSA Allocation of Debt Service Costs	Estimated Debt Service Budget FY 2025	ACSA %	ACSA Amount	Annual Total
ALLOCATION BASED ON FLOWS				
Regional Water System Projects:				
9.2% of 2019 Refunding Bond	$ 129,414	51.00%	$ 66,001	
14.2% of 2015B Bond - New Projects	240,165	51.00%	122,484	**188,485**
Revenues that offset Debt Service				
Trust Fund Interest	(185,000)	51.00%	(94,350)	
Use of Reserves	-	FIXED	-	
Lease Revenues	(10,000)	51.00%	(5,100)	**(99,450)**
RATES BASED ON FIXED AGREEMENTS				
2003 & 2012 Urban Water Agreement				
Water Supply Expansion (15%/85%)				
100% of 2012B Revenue Bond	1,338,372	85.00%	1,137,616	
9.0% of 2015B Bond - Refunding	142,487	85.00%	121,114	
Water Pipeline (20%/80%)				
10.4% of 2018 Bond	162,586	80.00%	130,069	
Non-Water Supply - Other Projects (48%/52%)				
47.4% of 2015B Bond - Refunding	750,434	52.00%	390,226	
77.8% of 2015B Bond - New Projects	1,315,836	52.00%	684,235	
37.7% of 2018 Bond	1,038,745	52.00%	540,147	
91.6% of 2021 Bond	1,268,158	52.00%	659,442	
South Rivanna Expansion of 1999				
10.3% of 2015B Bond - Refunding	163,069	100.00%	163,069	**3,825,918**
Southern Loop Water Line, West Branch				
0.8% of 2019 Refunding Bond	10,730	75.49%	8,100	**8,100**
South Rivanna Connector Main				
3.0% of 2019 Refunding Bond	42,243	48.00%	20,277	**20,277**
Northern Area Agreement				
25% of 2021 Bond	476,035	100.00%	476,035	**476,035**
DEBT SERVICE PROJECTED FROM 5-YEAR CIP				
CIP Growth Charge from 2025-2029 CIP	5,310,600	FIXED	3,403,800	**3,403,800**
Debt Service Coverage Ratio / Policy Charge	400,000	64.00%	256,000	**256,000**
Total Debt Service For Rate Computation	**$ 12,593,874**		**$ 8,079,165**	**$ 8,079,165**

SUMMARY OF DEBT SERVICE REVENUES:		
CITY SHARE OF TOTAL DEBT SERVICE	**$ 4,514,709**	**36%**
ACSA SHARE OF TOTAL DEBT SERVICE	**8,079,165**	**64%**
	$ 12,593,874	**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 2025	City %	City Amount	
ALLOCATION BASED ON FLOWS					
System Projects Rate					
	22.9% of 2015B Bond Refunding	$ 362,551	47%	$ 170,399	
	100% 2005A Bond VRA/VRLF	150,976	47%	70,959	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	47%	667,267	
	37.9% of 2011 A,B Bond VRA/RLF	192,130	47%	90,301	
	24.5% of 2019 Refunding Bond	344,106	47%	161,730	
	100% of 2016 Bond	626,483	47%	294,447	
	6.3% of 2021 Bond	91,399	47%	42,958	
	2.4% of 2018 Bond	54,195	47%	25,472	**1,523,533**
Revenues/Reserves that offset Debt Service					
	County MOU - Septage	(109,440)	47%	(51,437)	
	Use of Reserves	-	Fixed	-	
	Trust Fund Interest	(208,200)	47%	(97,854)	**(149,291)**
ALLOCATION BASED ON FIXED AGREEMENTS					
2014 Wastewater Agreement					
Meadowcreek	**97.9% of 2010A and 10.9% of 2019 Bonds**	1,095,638	Segments	708,775	
Wet Weather MCWWTP	**11.5% of 2009A and 62.1% of 2011 A/B Bonds**	499,293	Segments	270,138	
Moores Creek Pump Stn.	**100% of 2011 D/E Bond**	296,944	Segments	184,550	
Rivanna Pump Stn. & F.M.	**5.8% of 2019 and 100% of 2014A Bonds**	1,851,718	Segments	961,258	
Albemarle Berkley Pump Stn.	**3.4% of 2019 Refunding Bond**	47,230	0%	-	
Crozet Interceptor	**2.3% of 2019 and 13.8% of 2018**	343,441	0%	-	
Schenks Branch Agreement	**16.1% of 2019, 2.1% of 2010A, and 100% of 2015A Bonds**	315,319	100%	315,319	**2,440,040**
Four Party Rate					
Regional System Projects	**3.9% of 2019 Refunding Bond**	53,990	N/A	16,585	
Crozet Interceptor	**0.7% of 2019 Refunding Bond**	10,758	N/A	3,305	
Facilities Purchase	**1.4% of 2019 Refunding Bond**	19,704	N/A	6,053	**25,943**
Moores Creek Relief IS, Pt 1	**0.3% of 2019 Refunding Bond**	4,481	30%	1,344	**1,344**
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Charge from 2025-2029 CIP		2,368,300	Fixed	1,086,600	**1,086,600**
Debt Service Coverage Ratio / Policy Charge		325,000	50%	162,500	**162,500**
	Total	**$ 10,155,732**		**$ 5,090,669**	**$ 5,090,669**

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2025	ACSA %	ACSA Amount	
ALLOCATION BASED ON FLOWS					
System Projects Rate					
	22.9% of 2015B Bond Refunding	$ 362,551	53%	$ 192,152	
	100% 2005A Bond VRA/VRLF	150,976	53%	80,017	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	53%	752,449	
	37.9% of 2011 A,B Bond VRA/RLF	192,130	53%	101,829	
	24.5% of 2019 Refunding Bond	344,106	53%	182,376	
	100% of 2016 Bond	626,483	53%	332,036	
	6.3% of 2021 Bond	91,399	53%	48,441	
	2.4% of 2018 Bond	54,195	53%	28,723	**1,718,023**
Revenues/Reserves that offset Debt Service					
	County MOU - Septage	(109,440)	53%	(58,003)	
	Use of Reserves	-	53%	-	
	Trust Fund Interest	(208,200)	53%	(110,346)	**(168,349)**
ALLOCATION BASED ON FIXED AGREEMENTS					
2014 Wastewater Agreement					
Meadowcreek	**97.9% of 2010A and 10.9% of 2019 Bonds**	1,095,638	Segments	387,404	
Wet Weather MCWWTP	**11.5% of 2009A and 62.1% of 2011 A/B Bonds**	499,293	Segments	229,155	
Moores Creek Pump Stn.	**100% of 2011 D/E Bond**	296,944	Segments	112,395	
Rivanna Pump Stn. & F.M.	**5.8% of 2019 and 100% of 2014A Bonds**	1,851,718	Segments	890,746	
Albemarle Berkley Pump Stn.	**3.4% of 2019 Refunding Bond**	47,230	100%	47,230	
Crozet Interceptor	**2.3% of 2019 and 13.8% of 2018**	343,441	100%	343,441	
Schenks Branch Agreement	**16.1% of 2019, 2.1% of 2010A, and 100% of 2015A Bonds**	315,319	0%	-	**2,010,371**
Four Party Rate					
Regional System Projects	**3.9% of 2019 Refunding Bond**	53,990	N/A	37,405	
Crozet Interceptor	**0.7% of 2019 Refunding Bond**	10,758	N/A	7,453	
Facilities Purchase	**1.4% of 2019 Refunding Bond**	19,704	N/A	13,651	**58,509**
Moores Creek Relief IS, Pt 1	**0.3% of 2019 Refunding Bond**	4,481	70%	3,137	**3,137**
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Charge from 2025-2029 CIP		2,368,300	Fixed	1,281,700	**1,281,700**
Debt Service Coverage Ratio / Policy Charge		325,000	50%	162,500	**162,500**
	Total	**$ 10,155,732**		**$ 5,065,891**	**$ 5,065,891**

SUMMARY OF DEBT SERVICE REVENUES:		
CITY SHARE OF TOTAL DEBT SERVICE	**$ 5,090,669**	**50%**
ACSA SHARE OF TOTAL DEBT SERVICE	**5,065,891**	**50%**
	$ 10,156,560	**100%**

OTHER RATE CENTERS DEBT SERVICE RATES

Summary of Debt Service Payments Due	Existing Estimated Debt Service Budget FY 2025	FY 2024	Estimated New Debt Service	ACSA Monthly Rate
WATER				
Crozet Water				
System Upgrades				
13.9% of 2019 Refunding Bond	$ 193,882	$ 194,567		
17.0% of 2012A Bond (new money)	-	-		
7.4% of 2015B Bond Refunding	117,156	117,267		
5.9% of 2015B Bond New Projects	99,787	99,665		
35.7% of 2018 Bond	720,347	805,226		
Estimated DS - CIP Growth Charge	1,491,600	1,182,500	**$ 309,100**	
Revenues that offset Debt Service				
Use of Reserves	-	-		
Trust Fund Interest	(32,400)	(13,500)	-	
	$ 2,590,372	$ 2,385,725	$ 309,100	**$ 215,864**
Scottsville Water				
System Upgrades				
3.4% of 2019 Refunding Bond	$ 47,702	$ 47,871		
4.2% of 2012A Bond (new money)	-	-		
2.7% of 2015B Bond Refunding	42,746	42,787		
2.1% of 2015B Bond New Projects	35,517	35,474		
1.2% of 2021 Bond	22,850	22,859		
Estimated DS - CIP Growth Charge	45,600	11,400	**$ 34,200**	
Revenues that offset Debt Service				
Trust Fund Interest	(4,000)	(1,650)	-	
	$ 190,415	$ 158,741	$ 34,200	**$ 15,868**
WASTEWATER				
Glenmore Wastewater				
System Upgrades				
0.1% of 2015B Bond Refunding	$ 1,583	$ 1,585		
0.9% of 2021 Bond	17,137	17,144		
Estimated DS - CIP Growth Charge	30,560	4,150	**$ 26,410**	
Revenues that offset Debt Service	-	-		
Trust Fund Interest	(500)	(200)	-	
	$ 48,780	$ 22,679	$ 26,410	**$ 4,065**
Scottsville Wastewater				
Facilities Purchase				
0.3% of 2012A Refunding Bond	$ -	$ -		
System Upgrades				
0.3% of 2019 Refunding Bond	4,287	4,302		
0.2% of 2015B Bond Refunding	3,166	3,169		
Estimated DS - CIP Growth Charge	25,300	11,250	**$ 14,050**	
Revenues that offset Debt Service				
Trust Fund Interest	(200)	(80)	-	
	$ 32,553	$ 18,641	$ 14,050	**$ 2,713**
TOTAL	**$ 2,862,120**	**$ 2,585,786**	**$ 383,760**	**$ 238,510**

DEBT SUMMARY

	Total Revenue Bond Debt	Total FY 2025 Debt Service
CURRENT EXISTING DEBT		
DEBT BY BOND ISSUE		
2005 A Bond VRA/VRLF	$ 367,768	$ 150,976
2009A Bond	9,520,985	1,604,199
2010A Bond	5,829,589	962,522
2011A Bond	3,069,385	443,608
2011B Bond	438,199	63,331
2011D,E Bond	2,180,719	296,944
2012A Bond (refunding & new money)	-	-
2012B Bond	19,220,000	1,338,372
2014A Bond	19,152,238	1,770,751
2015A Bond	769,406	70,593
2015B Bond (refunding & new money)	32,320,000	3,274,500
2016 Bond	7,020,000	626,483
2018 Bond	33,745,000	2,258,141
2019 Bond	16,155,000	1,399,945
2021 Bond	35,655,000	1,904,141
	$ 185,443,289	**$ 16,164,506**

Ratio of Debt Service / Total Debt *8.7%*

PRINCIPAL AND INTEREST PAYMENTS BY CENTER - Annual

Urban Water	$ 7,078,274
Crozet Water	1,131,172
Scottsville Water	148,815
Urban Wastewater	7,780,072
Glenmore Wastewater	18,720
Scottsville Wastewater	7,453
	$ 16,164,506

Stone Robinson School WWTP Estimated Charges

		Total		***Monthly***
Expenses				
Fixed Costs				
Wages	$	5,621		
Benefits		2,473		
Mileage		900		
Subtotal	$	8,994		
Overhead at 35%		3,148		
Total Fixed Charge	$	12,142		
Variable Costs				
Sludge hauls from digester	$	1,575		
Belts oil etc.		1,000		
Chemicals		2,500		
Subtotal	$	5,075		
Overhead at 35%		551		
Total Variable Charge	$	5,626		
Total Annual Charge Estimate	$	17,768	$	1,481

All Rate Centers

Detailed Summary of Revenues

	FY 2024	*FY 2025*	*$ Change*	*% Change*
OPERATIONS				
Operations Rate Revenues	$ 22,727,003	$ 25,533,965	$ 2,806,962	12.35%
Other Operations Revenues				
Interest Allocation	$ 47,250	$ 165,400	$ 118,150	250.05%
Stone Robinson WWTP	17,267	17,768	501	2.90%
Septage/Sludge Acceptance	550,000	600,000	50,000	9.09%
Leases	124,000	120,000	(4,000)	-3.23%
Administration	781,000	364,200	(416,800)	-53.37%
Finance & IT	-	541,000	541,000	
Nutrient Credits	80,000	50,000	(30,000)	-37.50%
Use of Reserves	80,000	-	(80,000)	-100.00%
Miscellaneous	-	-	-	
	$ 1,679,517	$ 1,858,368	$ 178,851	10.65%
Total Operations Revenues	$ 24,406,520	$ 27,392,333	$ 2,985,813	12.23%
DEBT SERVICE				
Debt Service Rate Revenues				
City	$ 8,425,075	$ 9,605,378	$ 1,180,303	14.01%
ACSA	13,693,985	16,007,176	2,313,191	16.89%
	$ 22,119,060	$ 25,612,554	$ 3,493,494	15.79%
Other Debt Service Revenues				
Interest	1,059,730	2,011,100	951,370	89.77%
County MOU - Septage	109,440	109,440	-	0.00%
Leases	1,600	10,000	8,400	525.00%
	$ 1,170,770	$ 2,130,540	$ 959,770	81.98%
Total Debt Service Revenues	$ 23,289,830	$ 27,743,094	$ 4,453,264	19.12%
Total Revenues	$ 47,696,350	$ 55,135,427	$ 7,439,077	15.60%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
10000	***Salaries & Benefits***						
11000	Salaries	$ 8,133,800	$ 4,177,485	$ 8,354,970	$ 9,028,950	$ 895,150	11.01%
11010	Overtime Pay	283,500	103,191	241,640	272,100	(11,400)	-4.02%
12010	FICA	643,922	309,505	619,010	711,530	67,608	10.50%
12020	Health Insurance	1,446,550	621,668	1,243,336	1,560,000	113,450	7.84%
12026	Employee Assistance Program	1,605	817	1,634	1,610	5	0.31%
12030	Retirement	682,427	337,570	675,140	771,559	89,132	13.06%
12040	Life Insurance	96,793	52,044	104,088	118,523	21,730	22.45%
12050	Fitness Program	11,600	6,171	12,342	11,400	(200)	-1.72%
12060	Worker's Comp Insurance	101,200	48,856	65,140	82,700	(18,500)	-18.28%
	Subtotal	$ 11,401,397	$ 5,657,307	$ 11,317,300	$ 12,558,372	$ 1,156,975	10.15%
13000	***Other Personnel Costs***						
13100	Employee Dues & Licenses	$ 12,800	$ 3,421	$ 11,492	$ 15,375	$ 2,575	20.12%
13150	Education & Training	91,200	50,019	100,038	110,553	19,353	21.22%
13200	Travel & Lodging	19,650	15,205	23,860	29,450	9,800	49.87%
13250	Uniforms	66,675	23,361	46,722	65,195	(1,480)	-2.22%
13325	Recruiting & Medical Testing	10,470	2,463	4,926	6,920	(3,550)	-33.91%
13350	Other	22,900	13,820	27,640	30,200	7,300	31.88%
	Subtotal	$ 223,695	$ 108,289	$ 214,678	$ 257,693	$ 33,998	15.20%
	Professional Services						
20100	Legal Fees	$ 69,000	$ 12,625	$ 60,404	$ 70,000	$ 1,000	1.45%
20200	Financial & Admin. Services	58,950	35,879	71,758	112,750	53,800	91.26%
20250	Bond Issue Costs	-	-	-	-	-	0.00%
20300	Engineering & Technical Services	339,900	121,153	612,306	309,900	(30,000)	-8.83%
	Subtotal	$ 467,850	$ 169,657	$ 744,468	$ 492,650	$ 24,800	5.30%
	Other Services and Charges						
21100	General Liability/Property Ins.	$ 161,800	$ 84,621	$ 167,729	$ 185,775	$ 23,975	14.82%
21150	Advertising & Communication	18,200	6,140	12,280	18,700	500	2.75%
21250	Watershed Management	71,000	97,873	145,746	54,000	(17,000)	-23.94%
21253	Safety Programs/Supplies	118,765	50,463	100,926	113,275	(5,490)	-4.62%
21300	Authority Dues/Permits/Fees	104,900	119,479	238,958	110,968	6,068	5.78%
21350	Laboratory Analysis	86,909	54,118	108,236	217,025	130,116	149.72%
21400	Utilities	1,629,225	1,166,213	2,332,426	2,316,100	686,875	42.16%
21420	General Other Services	1,261,656	589,944	1,179,888	1,330,745	69,089	5.48%
21430	Governance & Strategic Support	25,000	1,359	2,718	25,000	-	0.00%
21450	Bad Debt	2,500	18,704	20,000	-	(2,500)	
	Subtotal	$ 3,479,955	$ 2,188,914	$ 4,308,907	$ 4,371,588	$ 891,633	25.62%
22000	***Communication***						
22100	Radio	$ 13,250	$ 14,907	$ 29,814	$ 10,900	$ (2,350)	-17.74%
22150	Telephone & Data Service	147,600	88,503	177,006	165,250	17,650	11.96%
22200	Cell Phones, Wireless data	60,590	33,931	67,862	68,800	8,210	13.55%
	Subtotal	$ 221,440	$ 137,341	$ 274,682	$ 244,950	$ 23,510	10.62%
31000	***Information Technology***						
31100	Computer Hardware	$ 215,000	$ 58,809	$ 170,618	$ 213,250	$ (1,750)	-0.81%
31150	SCADA Maint. & Support	305,475	117,042	244,084	350,000	44,525	14.58%
31200	Maintenance & Support Services	227,700	256,713	513,426	305,800	78,100	34.30%
31250	Software & Subscriptions	320,300	71,669	194,022	352,900	32,600	10.18%
31300	Security Systems	153,700	400	800	143,900	(9,800)	-6.38%
31325	Asset Mgt / Project Mgt Systems	47,400	-	-	104,200	56,800	119.83%
	Subtotal	$ 1,269,575	$ 504,633	$ 1,122,150	$ 1,470,050	$ 200,475	15.79%
33000	***Supplies***						
33100	Office Supplies	$ 30,000	$ 9,322	$ 18,644	$ 28,200	$ (1,800)	-6.00%
33150	Subscriptions/Reference Material	1,700	996	1,992	2,500	800	47.06%
33350	Postage & Delivery	14,600	11,907	23,814	20,500	5,900	40.41%
	Subtotal	$ 46,300	$ 22,225	$ 44,450	$ 51,200	$ 4,900	10.58%
41000	***Operation & Maintenance***						
41100	Building & Grounds	$ 453,240	$ 211,011	$ 432,022	$ 397,140	$ (56,100)	-12.38%
41150	Building/land Lease, Rental	183,100	179,681	184,362	183,600	500	0.27%
41300	Dam Maintenance	95,200	81,289	162,578	146,200	51,000	53.57%
41350	Pipeline/Appurtenances	149,000	97,579	795,158	148,280	(720)	-0.48%
41400	Materials, Supplies & Tools	201,000	67,339	134,678	242,250	41,250	20.52%
41450	Chemicals	3,029,488	1,579,245	3,454,970	3,654,064	624,576	20.62%
41500	Vehicle Maintenance	77,450	36,877	87,902	82,700	5,250	6.78%
41550	Equipment Repair, Replace, Maint.	1,100,750	438,061	896,122	1,055,050	(45,700)	-4.15%
41600	Instrumentation	462,575	92,010	244,020	502,500	39,925	8.63%

Rivanna Water and Sewer Authority
Fiscal Year 2024-2025 Proposed Budget
Expense Detail

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2023-2024	Current Year Activity: Six Month Actual 12/31/2023	Current Year Activity: Projected Year end 6/30/2024	Proposed Budget FY 2024-2025	2024 vs. 2025 Variance $	2024 vs. 2025 Variance %
41650	Fuel & Lubricants	110,800	69,812	139,624	118,900	8,100	7.31%
41700	General Other Maintenance	173,205	62,836	125,672	168,200	(5,005)	-2.89%
	Subtotal	$ 6,035,808	$ 2,915,740	$ 6,657,108	$ 6,698,884	$ 663,076	10.99%
81000	***Equipment Purchases***						
81200	Rental & Leases	$ 1,000	$ 15,062	$ 30,124	$ 750	$ (250)	-25.00%
81250	Equipment (over $10,000)	70,000	-	70,000	35,000	(35,000)	-50.00%
81300	Vehicle Replacement Fund	274,500	137,250	274,500	281,200	6,700	2.44%
	Subtotal	$ 345,500	$ 152,312	$ 374,624	$ 316,950	$ (28,550)	-8.26%
95000	***Allocations from Departments***						
95100	Administrative Allocation	$ -	$ -	$ -	$ -	$ -	
95110	Finance & IT	-	-	-	-	-	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
	Subtotal	$ -	$ -	$ -	$ -	$ -	
	Depreciation	$ 915,000	$ 457,500	$ 915,000	$ 930,000	$ 15,000	1.64%
	Subtotal	$ 915,000	$ 457,500	$ 915,000	$ 930,000	$ 15,000	1.64%
	Total	**$ 24,406,520**	**$ 12,313,918**	**$ 25,973,367**	**$ 27,392,337**	**$ 2,985,817**	**12.23%**

Audit Check	
Less revenue allocation in Admin.	(905,200)
Less revenue allocation in Maint.	-
Less revenue allocation in Eng.	-
Detail Check on Expenses	$ 26,487,137
Total Summary Sheet Rate Center Only	$ 26,487,136

Roughly $2.4 is target increase

RWSA Staffing by Department

OPERATIONS	*Approved Positions FY 2024*	*Changes*	*Positions FY 2025*
Engineering & Maintenance			
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	0	1	1
Water Resources Manager	1		1
Construction Inspector Supervisor	0	1	1
Engineering Technician/Inspector	5	-1	4
Administrative Office Technician	1		1
(Director FTE included) Subtotal	15	1	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		16
Operations			
Director of Operations	1		1
Laboratory			
Laboratory Manager	1		1
Chemist	3		3
Subtotal	4		4
Wastewater Department			
Wastewater Manager	1		1
Wastewater Assistant Manager	1		1
Treatment Supervisor	1		1
Plant Operators (14 total)			
Operators - Relief Shift Differential all plants	2		2
Operators - Urban	9	1	10
Operator - Glenmore	1		1
Operator - Scottsville	1		1
Subtotal	16	1	17
Water Department			
Water Manager	1		1
Water Assistant Manager	1		1
Water Quality Specialist	1		1
Water Treatment Plant Supervisor	2		2
Plant Operators			
Operators - Relief Shift Differential all plants	3		3
Operators - Urban	14.6		14.6

RWSA Staffing by Department

OPERATIONS	*Approved Positions FY 2024*	*Changes*	*Positions FY 2025*
Operators - Crozet	2		2
Operators - Scottsville	1.4		1.4
Subtotal	26	0.0	26
Subtotal	78	2	80

				FTE Split		
Joint Administrative Staff				RWSA	SWA	
Executive Director	1		1	0.85	0.15	1.00
Deputy Executive Director	0	1	1	0.85	0.15	1.00
Director of Administration	1		1	0.80	0.20	1.00
Executive Coordinator	1		1	0.60	0.40	1.00
HR Manager	1		1	0.75	0.25	1.00
Payroll & Benefits Coordinator	1		1	0.75	0.25	1.00
Communications/Outreach Coordinator	0	1	1	0.75	0.25	1.00
Administrative Assistant	1		1	0.75	0.25	1.00
Safety Manager	1		1	0.75	0.25	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	0.80	0.20	1.00
Accounts Payable Technician	1		1	0.80	0.20	1.00
Accounts Receivable Technician	1		1	0.20	0.80	1.00
Business System Analyst	1		1	0.60	0.40	1.00
IT/SCADA						
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 Manager	1		1	0.80	0.20	1.00
IT Systems Analyst - Operations	1		1	0.80	0.20	1.00
IT Systems Analyst - ERP/Core	1		1	0.80	0.20	1.00
Administration and allocation with RSWA	22	2	24	18.15	5.85	24.00
Total all positions	100.00	4.00	104.00			
FTE Position Allocated to RSWA	-5.40		-5.85			
Total Adjusted FTEs	94.60		98.15			

RIVANNA WATER & SEWER AUTHORITY
695 Moores Creek Lane | Charlottesville, Virginia 22902-9016
434.977.2970
434.293.8858
www.rivanna.org

RESOLUTION
TO ADOPT THE PRELIMINARY RATE SCHEDULE
FOR FISCAL YEAR 2024-2025
BY THE RIVANNA WATER AND SEWER AUTHORITY

WHEREAS, the Rivanna Water and Sewer Authority Board of Directors has reviewed the proposed budget and associated rates for Fiscal Year 2024-2025; and

WHEREAS, Section 15.2-5136 (G) of the Code of Virginia requires the adoption of the Preliminary Rate Schedule for notification of a public hearing prior to fixing rates for water and sewer charges; of which there is a requirement that the first of two public notices, published once a week for two consecutive weeks, is not more than 14 days before the actual date fixed for the public hearing.

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water and Sewer Authority hereby adopts the accompanying Preliminary Rate Schedule for the purpose of notification of a public hearing to be held on May 28, 2024 at 2:15 p.m. during the regularly scheduled Board of Directors meeting.

Preliminary Rate Schedule

Water Rates & Charges

Urban Area

ACSA & City	Operating	$	3.363	Per 1,000 gallons
City	Debt Service	$	376,226	Per month
ACSA	Debt Service	$	673,264	Per month

Crozet

ACSA	Operating	$	118,387	Per month
ACSA	Debt Service	$	215,864	Per month

Scottsville

ACSA	Operating	$	61,832	Per month
ACSA	Debt Service	$	15,868	Per month

Wastewater Rates & Charges

Urban Area

ACSA & City	Operating	$	3.247	Per 1,000 gallons
City	Debt Service	$	424,222	Per month
ACSA	Debt Service	$	422,158	Per month

Glenmore

ACSA	Operating	$	44,426	Per month
ACSA	Debt Service	$	4,065	Per month

Scottsville

ACSA	Operating	$	33,785	Per month
ACSA	Debt Service	$	2,713	Per month

Attachment

RIVANNA WATER & SEWER AUTHORITY
PUBLIC HEARING CONCERNING THE
PRELIMINARY RATE SCHEDULE FOR FY 2024 - 2025, EFFECTIVE JULY 1, 2024

Public Hearing:
Rivanna Water & Sewer Authority will hold a public hearing on Tuesday, May 28, 2024, at 2:15 p.m. during the regular Rivanna Water & Sewer Authority Board of Directors meeting. The purpose of the public hearing is to consider the following wholesale water and wastewater rates and charges to the City of Charlottesville and the Albemarle County Service Authority, to be effective July 1, 2024. Adopted rates may or may not be what are advertised.

Preliminary Rate Schedule

Water Rates & Charges

Urban Area

ACSA & City	Operating	$	3.363	Per 1,000 gallons
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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 Utilities and the Albemarle County Service Authority (ACSA) for these services and are not the same as the City Utilities and ACSA charges to individual residents and businesses. Debt Service covers capital related project costs and are different for the City Utilities and ACSA reflecting terms of contractual agreements.

The City Utilities 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 proposed 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 2024 - 2025

PRESENTED TO THE BOARD OF DIRECTORS

BY LONNIE WOOD, DIRECTOR OF FINANCE & INFORMATION TECHNOLOGY

MARCH 26, 2024

Guided by the Priorities of Our Strategic Plan 2023-2028

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.

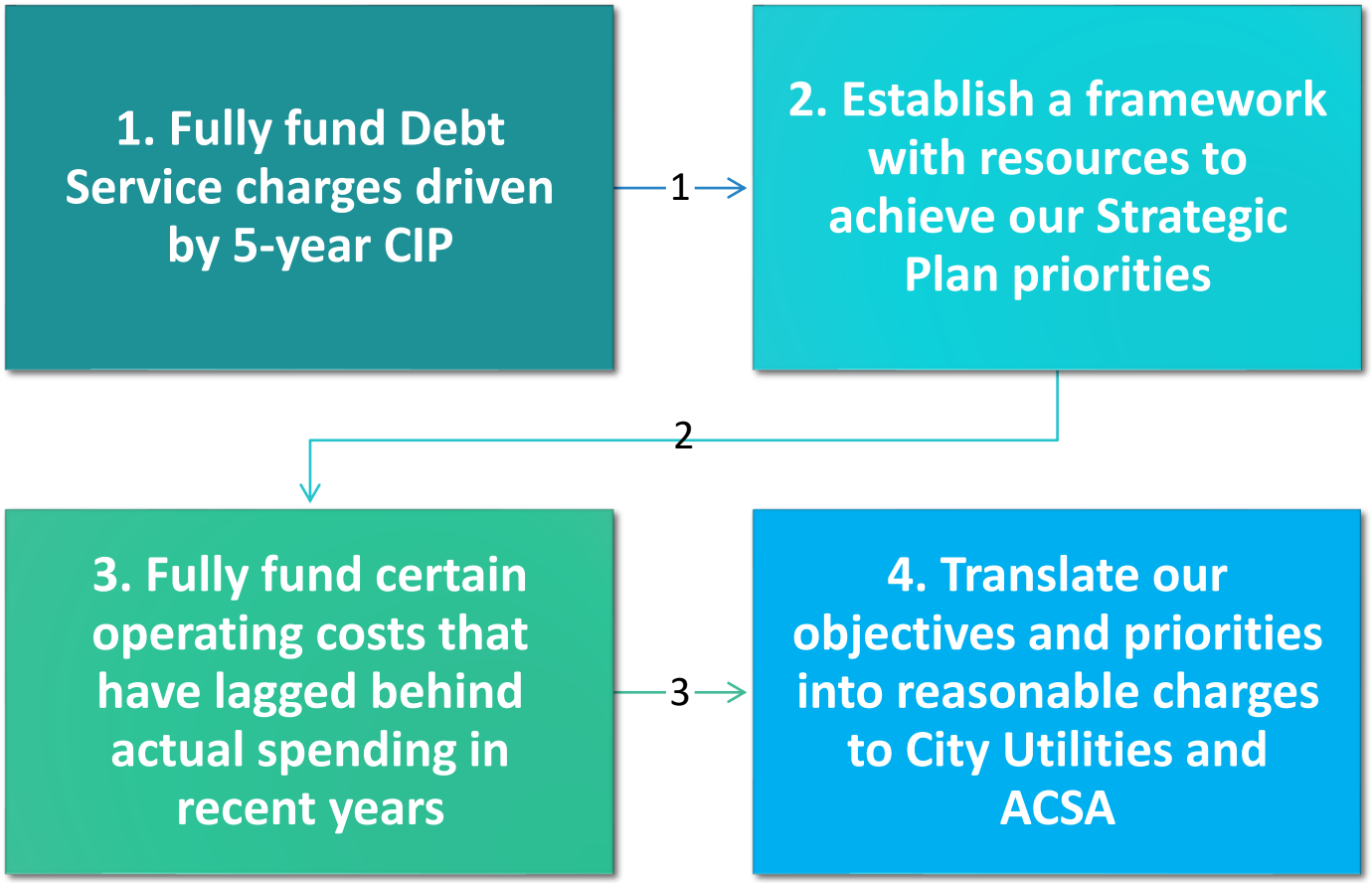
COMMUNICATION AND COLLABORATION

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.

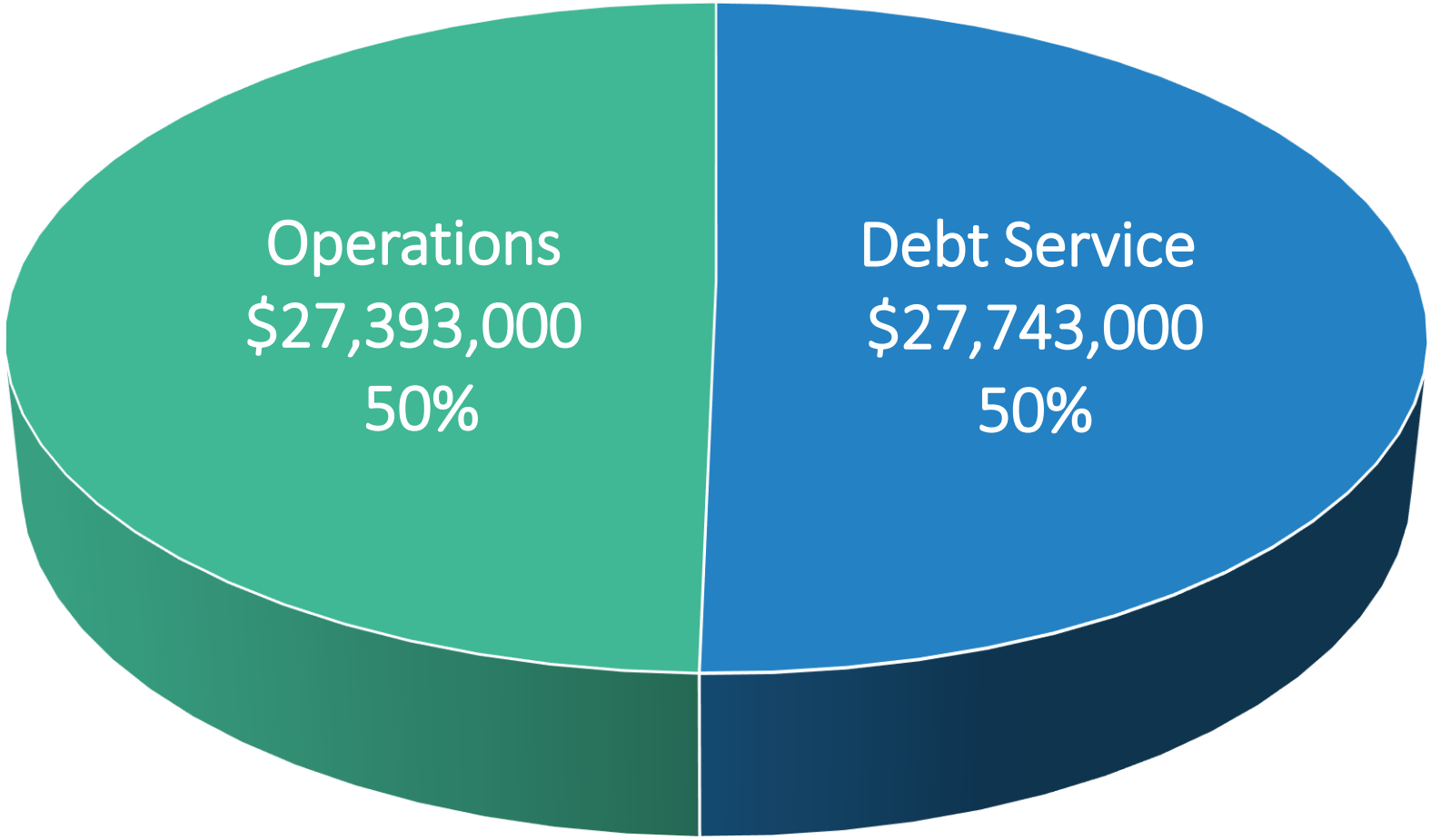
Focus of the FY 2024 – 2025 Budget

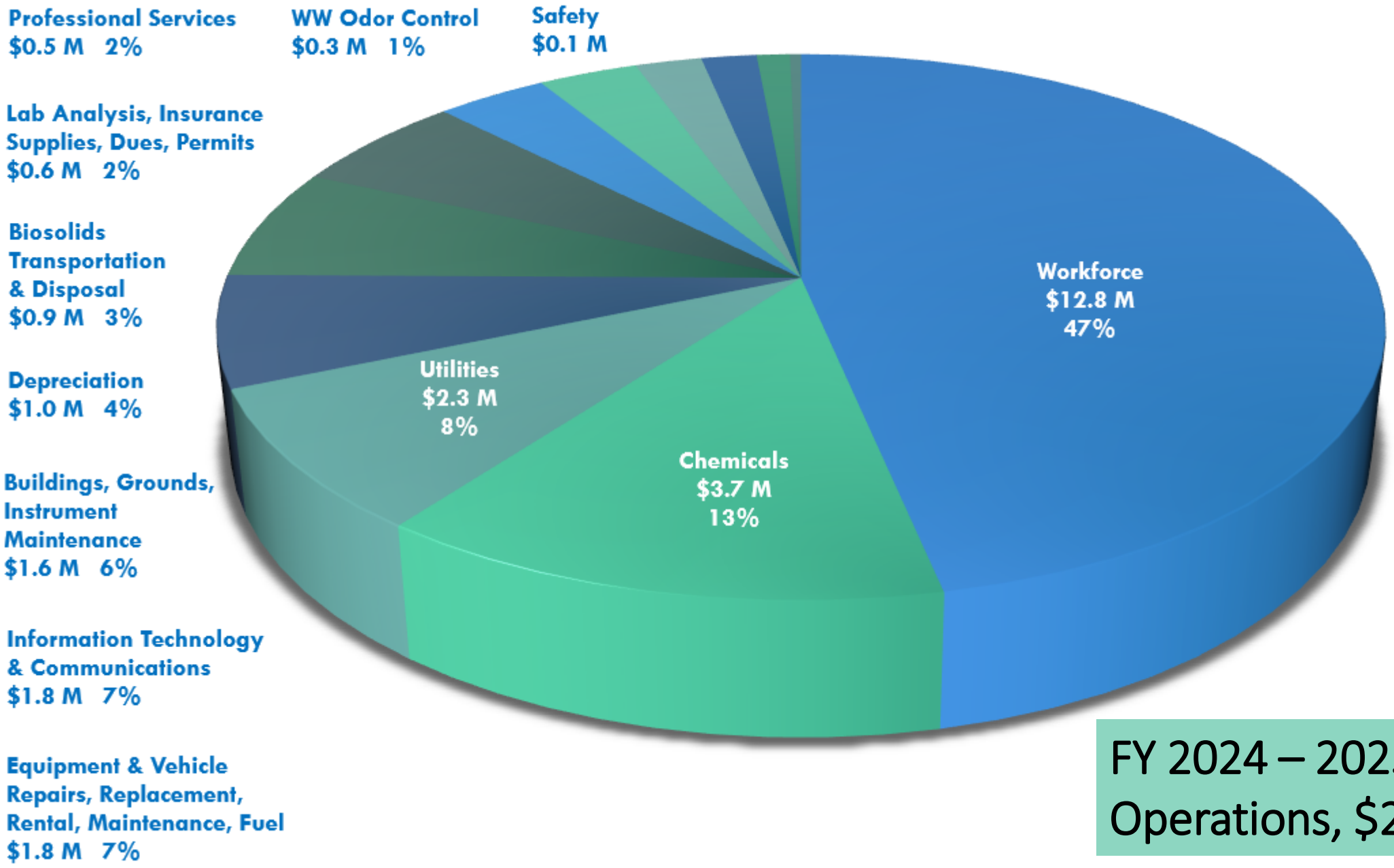


Budget Summary
FY 2024 – 2025

Budget Summary	FY 2024	FY 2025	$ Change	% Change
Operations	$ 24,407,000	$ 27,393,000	$ 2,986,000	12.2%
Debt Service	23,291,000	27,743,000	$ 4,451,000	19.1%
	$ 47,698,000	$ 55,136,000	$ 7,437,000	15.6%
Rate Summary				
Per 1,000 gallon				
Operating - Urban W	$ 2.949	$ 3.363	$ 0.414	14.0%
Operation - Urban WW	2.922	3.247	0.325	11.1%
Fixed Monthly				
Debt Service - City - Urban	$ 702,090	$ 800,488	$ 98,398	14.0%
Debt Service - ACSA - Urban	925,685	1,095,422	169,737	18.3%
Operating and Debt Service Charges				
Non-Urban - Fixed Monthly	$ 445,452	$ 496,940	$ 51,488	11.6%

FY 2024 – 2025
Proposed Budget $55.1 M





FY 2024 – 2025
Operations, $27.4 M

10 Year Budget History

Flow Shift – Based on FY 2023 Reported Retail Flows

Allocation (Urban Area Only)	FY 2024	FY 2025	Allocation % Change
Water			
City	48%	49%	2.08%
ACSA	52%	51%	-1.92%
Wastewater			
City	46%	47%	2.17%
ACSA	54%	53%	-1.85%

FY 2025 allocations are based on FY 2023 retail flows reported by the City and ACSA.

(1,000 GALLONS)

Allocation (Urban Area Only)	FY 2024	FY 2025	% Change
Water			
City	1,630,896	1,664,873	2.08%
ACSA	1,766,804	1,732,827	-1.92%
	3,397,700	3,397,700	
Wastewater			
City	1,559,584	1,593,488	2.17%
ACSA	1,830,816	1,796,912	-1.85%
	3,390,400	3,390,400	

This "shift" in flows as reported by the retail systems will cause a relative shift in the charges as follows:
i.e. ONLY FLOWS were adjusted before any additional costs for FY 2025 were loaded into the model.

Customer Charges	FY 2024	FY 2025	Variances	
City	$ 17,793,300	$ 18,023,800	**$ 230,500**	**1.3%**
ACSA	27,052,900	26,822,400	**(230,500)**	**-0.9%**
Total Charge by RWSA	$ 44,846,200	$ 44,846,200	-	

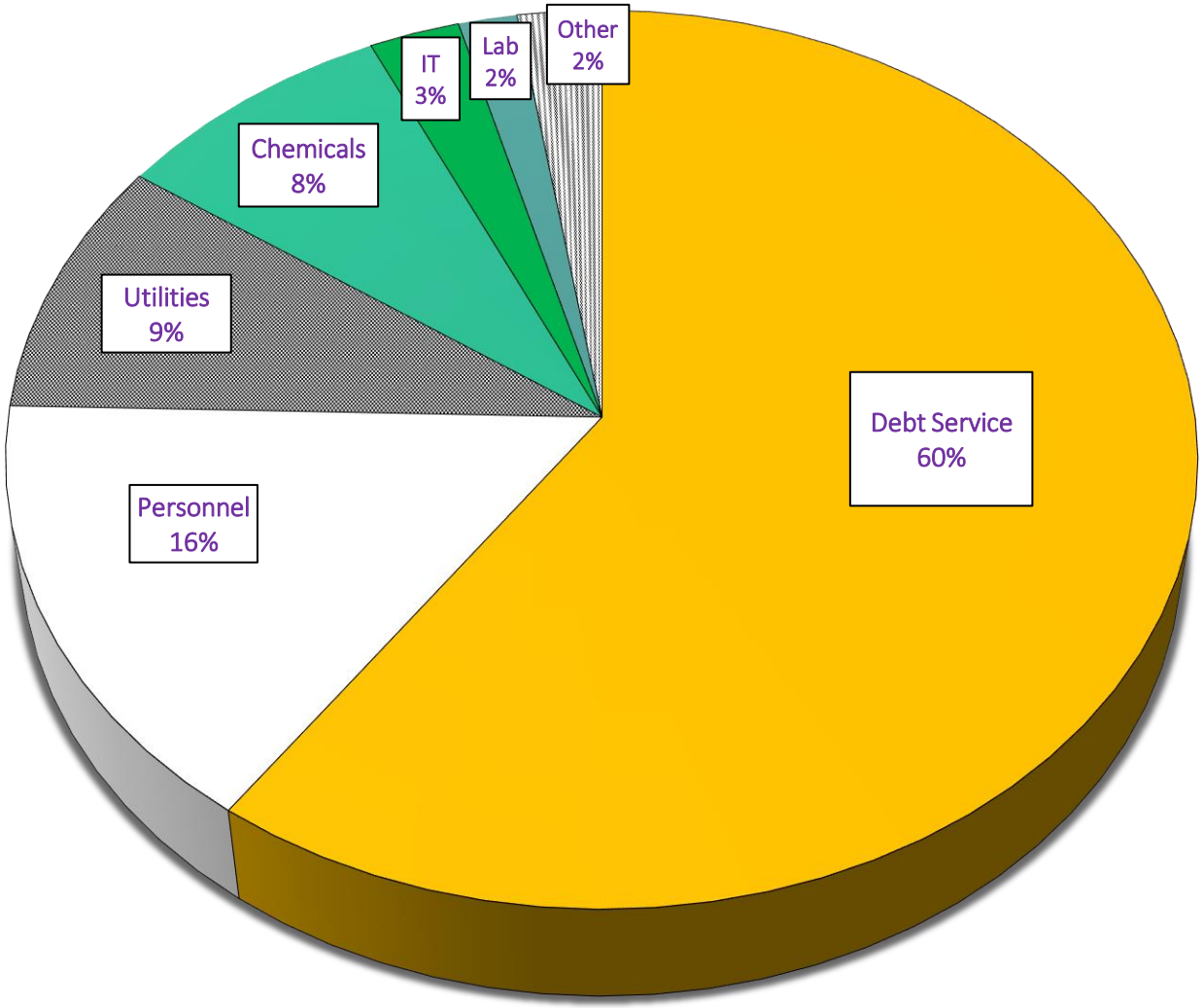
Revenue Estimates

Revenue Estimates	FY 2024	FY 2025	$ Change	% Change
Customer Charges	$ 44,846,200	$ 51,146,700	$ 6,300,500	14.0%
Interest	1,107,000	2,176,500	1,069,500	96.6%
SWA Admin/Fin/IT Support	781,000	905,200	124,200	15.9%
Septage Acceptance	550,000	600,000	50,000	9.1%
All other revenues	413,800	308,200	(105,600)	-25.5%
	47,698,000	**55,136,600**	**7,438,600**	**15.6%**

Customer Charge Estimates	FY 2024	FY 2025	$ Change	% Change
City	$ 17,793,300	$ 20,377,400	$ 2,584,100	14.5%
ACSA	27,052,900	30,769,300	3,716,400	13.7%
Total Customer Charges	**$ 44,846,200**	**$ 51,146,700**	**$ 6,300,500**	**14.0%**

Cost Increase Drivers

FY 2025 vs 2024



Cost Drivers

Debt Service	$	4,451,000	60%
Personnel		1,157,000	16%
Utilities		686,900	9%
Chemicals		624,600	8%
IT Systems		200,500	3%
Lab Testing		130,100	2%
All other changes		186,900	2%
Total Increase	**$**	**7,437,000**	

CIP and Debt Service

	Adopted FY 2024 - 2028	Proposed FY 2025 - 2029		Change
Total 5-Year CIP Expenses	**$ 326,125,000**	**$ 371,000,400**		**$ 44,875,400**
CIP Funding				
Work in progress, current Cash and Proceeds	63,043,200	25,016,000		(38,027,200)
Future Cash Reserves	10,435,000	12,800,000		2,365,000
Grants and recoveries	20,560,000	24,917,000		4,357,000
New Debt Issuances	232,086,800	308,267,000	*	76,180,200
Total Funding	**$ 326,125,000**	**$ 371,000,000**		**$ 44,875,000**

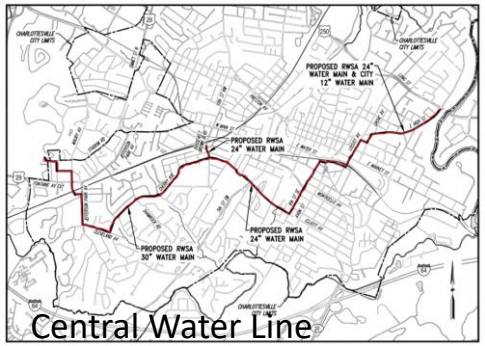
** - Rates were calculated assuming $15 million needed to fund the Rivanna Pump Station Repair*
(Total of 323.3 million in debt needed)

Major Projects

South Rivanna/Ragged Mt/Obs "Raw Water Projects"	$121,175,000
Central Water Line	$47,000,000
Beaver Creek Projects	$47,100,000
MCAWWRRF - Concrete/Structural Rehab.	$11,300,000
Crozet Pump Station Rehabilitation	$10,900,000
Administrative Office Building	$20,000,000
Six Largest Projects	$257,475,000

70% of total CIP

Ragged Mountain Reservoir


Central Water Line

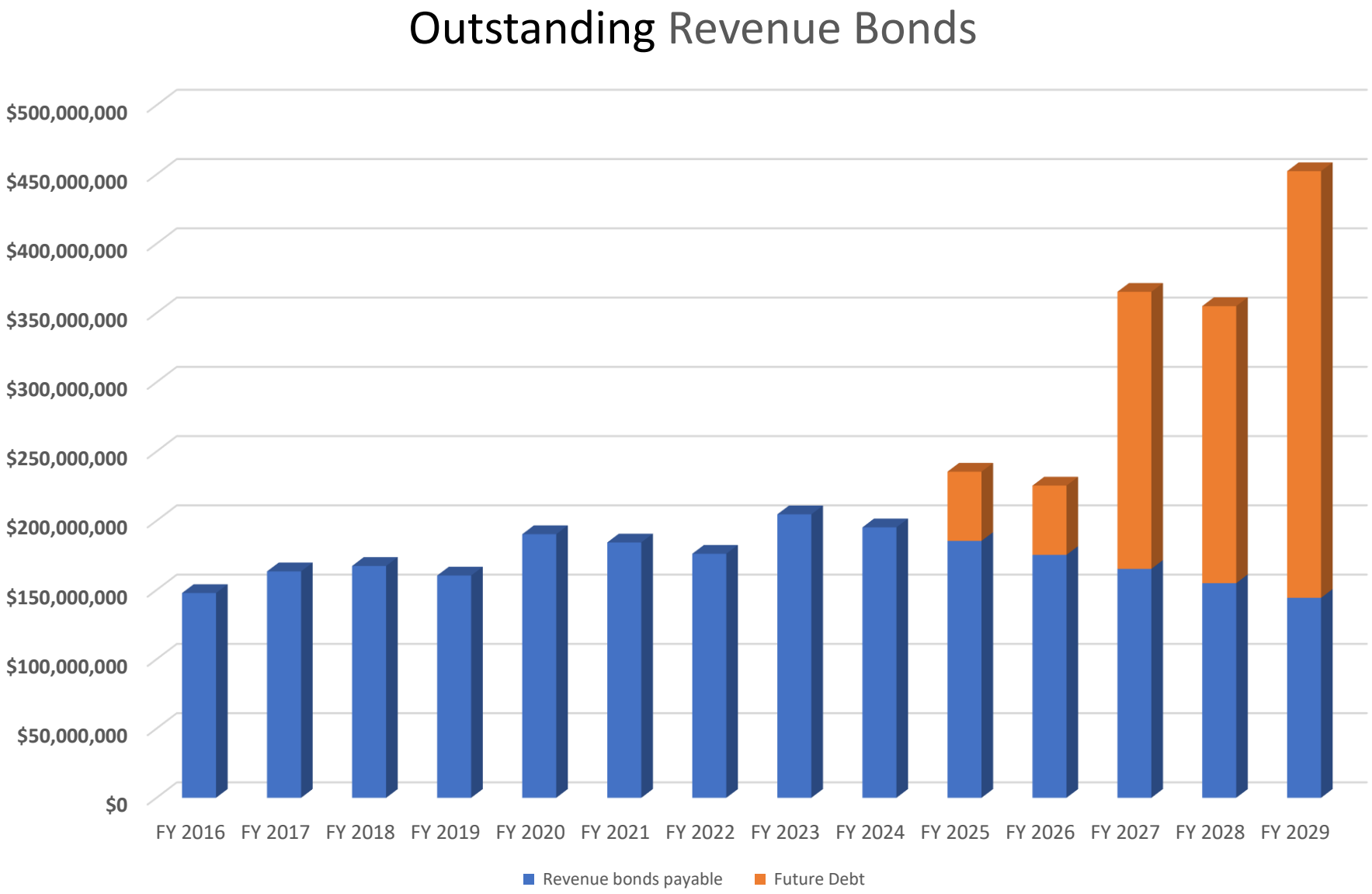
Crozet Pump Stations 3 & 4

Beaver Creek Reservoir

Administrative Office Building

Moores Creek AWRRF

Debt
Service


Outstanding Revenue Bonds
$500,000,000
$450,000,000
$400,000,000
$350,000,000
$300,000,000
$250,000,000
$200,000,000
$150,000,000
$100,000,000
$50,000,000
$0
FY 2016
FY 2017
FY 2018
FY 2019
FY 2020
FY 2021
FY 2022
FY 2023
FY 2024
FY 2025
FY 2026
FY 2027
FY 2028
FY 2029
Revenue bonds payable
Future Debt

Debt Service

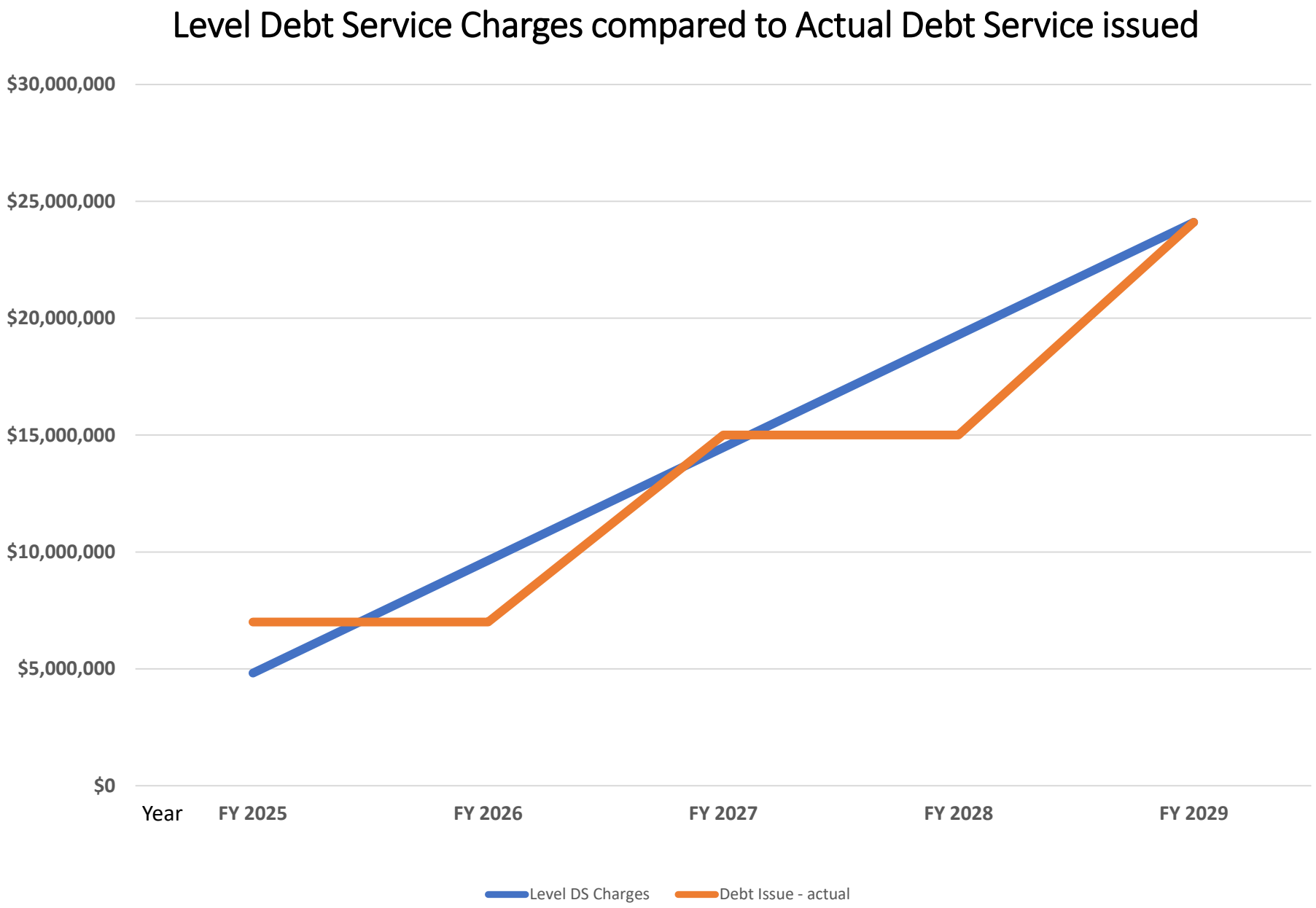
Funding/Financing	Current Actual Debt Levels	5-Year CIP Debt Needed	Total
Debt CIP	$ 195,260,900	$ 323,267,000	$ 518,527,900
Annual DS Costs	16,168,900	24,099,000	40,267,900
Annual Growth over next 5-years	NA	4,819,800	NA

Consistent Charge Increases

Year of the CIP	Annual DS Increase - Charges	Level DS Charges Added	All Debt Service
Year 1 (2024-2025)	4,819,800	4,819,800	20,988,700
Year 2 (2025-2026)	4,819,800	9,639,600	25,808,500
Year 3 (2026-2027)	4,819,800	14,459,400	30,628,300
Year 4 (2027-2028)	4,819,800	19,279,200	35,448,100
Year 5 (2028-2029)	4,819,800	24,099,000	40,267,900

149% Increase

Debt
Service


Level Debt Service Charges compared to Actual Debt Service issued
$30,000,000
$25,000,000
$20,000,000
$15,000,000
$10,000,000
$5,000,000
$0
Year
FY 2025
FY 2026
FY 2027
FY 2028
FY 2029
Level DS Charges
Debt Issue - actual

Personnel Cost Increases

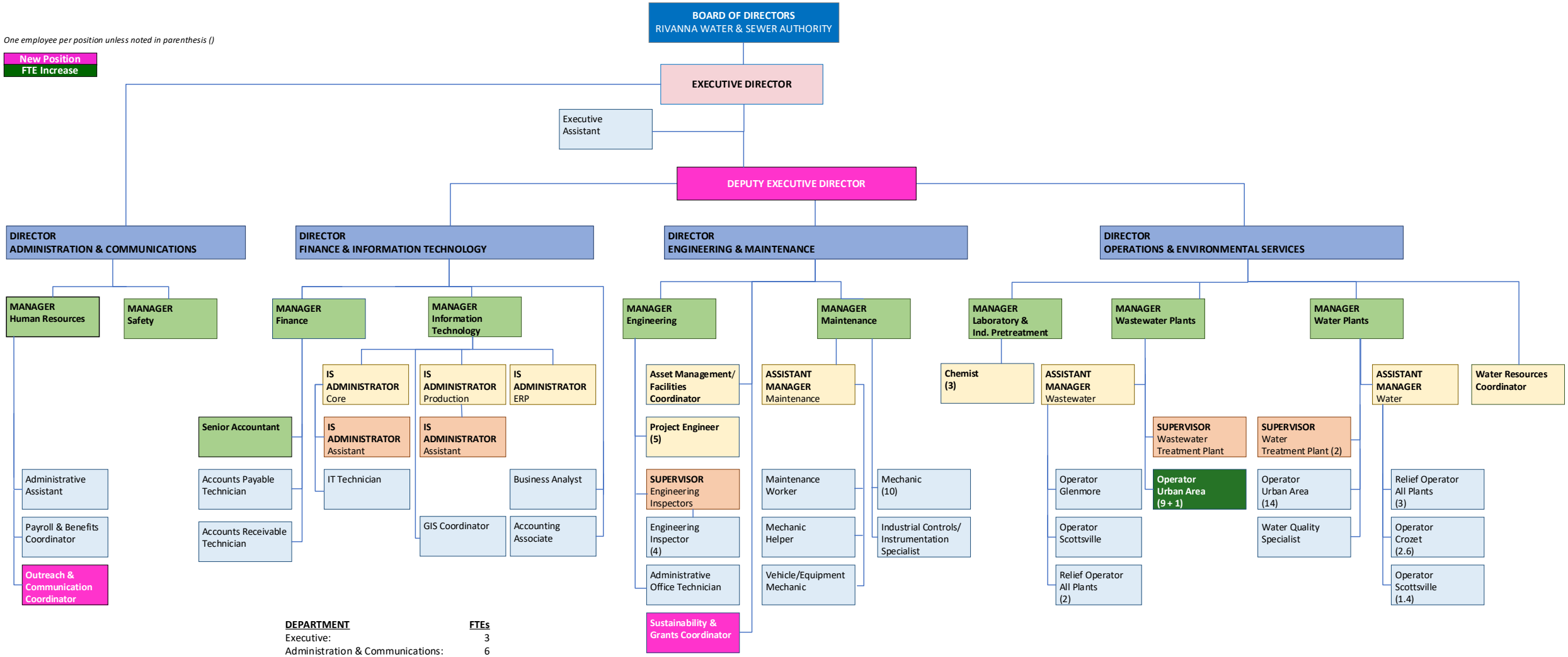
• *Salary Adjustment* *3% COLA & 2% Merit increase*	$425,000
• *New Positions Half-year funding* *(Deputy, Outreach/Communications, WW Operator, Grants/Sustainability)*	$205,000
• *Fully Fund FY 2024 Positions*	$163,000
• *Personnel cost related changes* *(VRS, Taxes, Life Ins., Health)*	$364,000
Total change in personnel and benefit costs	$1,157,000

RIVANNA WATER & SEWER AUTHORITY
Organizational Chart

FY 2024 – 2025 Proposed Budget

One employee per position unless noted in parenthesis ()

New Position
FTE Increase



DEPARTMENT	FTEs
Executive:	3
Administration & Communications:	6
Finance & Information Technology:	15
Engineering & Maintenance:	31
Operations & Environmental Services:	49
TOTAL FTEs	**104**

Additional Positions

Personnel

1. *Deputy Executive Director:*
   - *Manage the Finance & Information Technology, Engineering & Maintenance, and Operations & Environmental Services Divisions of the Authority.*

2. *Grants and Sustainability Coordinator:*
   - *Responsible for acquiring and coordinating local, state, federal, corporate grants, as well as other external funding sources to support the Rivanna Authorities strategic and capital initiatives. Responsible for managing, coordinating, facilitating, and advising the development, implementation, and improvement of policies and initiatives that promote local environmental, energy, economic, and social sustainability both internally and externally.*

3. *Outreach/Communication Coordinator:*
   - *Develops, implements and manages effective communications, marketing and public outreach programs to inform and educate the local community about the services that the Rivanna Authorities perform. Manages website and social media pages.*

4. *Wastewater Operator:*
   - *Move full and empty biosolids trailers at Moores Creek (about 500 trailers per year) from the solids building to the compost yard 5-6 days per week. This task is currently completed by shift operators.*
   - *Assist with County plant operations. County WW plants are operated by 1 person, and at times a second Operator is needed. Assistance is currently provided by WW Managers.*
   - *Assist with high flow events at any of the 4 WWTPs.*

Assessment of Workforce Compensation

for FY 2025

- Turnover Rate: *Strategic Plan, "Workforce Development" goal is less than 10% turnover*
  - FY 24, July 2023 – March 22, 2024, 12% turnover
    - will continue to focus on retaining our staff resources with competitive pay and benefits
- Inflation
  - Current annual inflation is 3.2%, Feb. 2023 – Feb. 2024
- Market survey of 9 W&S Utilities in central Va
  - Proposed increases range from 3% to 7%, avg. 4.5%
- Social Security Administration
  - 3.2% COLA for CY 2024

Assessment of Workforce Compensation

for FY 2025

- Compensation Studies:
  - Last study was performed December of 2021
  - These studies focus more on job descriptions and pay scale competitiveness
  - The study results do not increase employee compensation
    - Pays scales are adjusted
    - Positions are redefined and may result in placement changes within pay scale

Budget Lag Effects

Utilities - Last two years of actual data

FY 2022-Actual	$ 1,580,820	
FY 2023-Actual	$ 2,095,105	32.5%

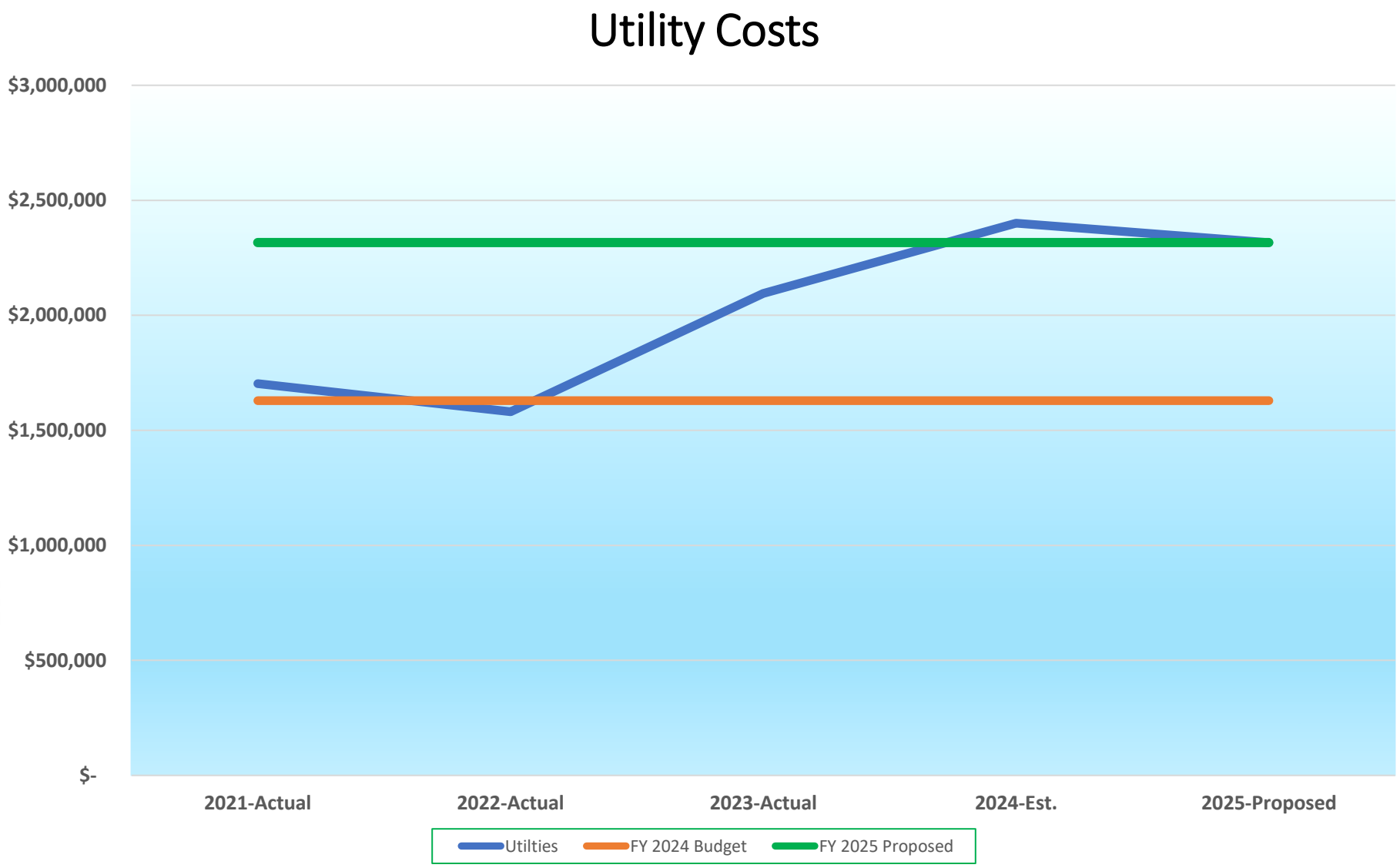
40% Fuel charge increase in 3 of our largest utility accounts from 2022 to 2023

Chemicals - Last two years of actual data

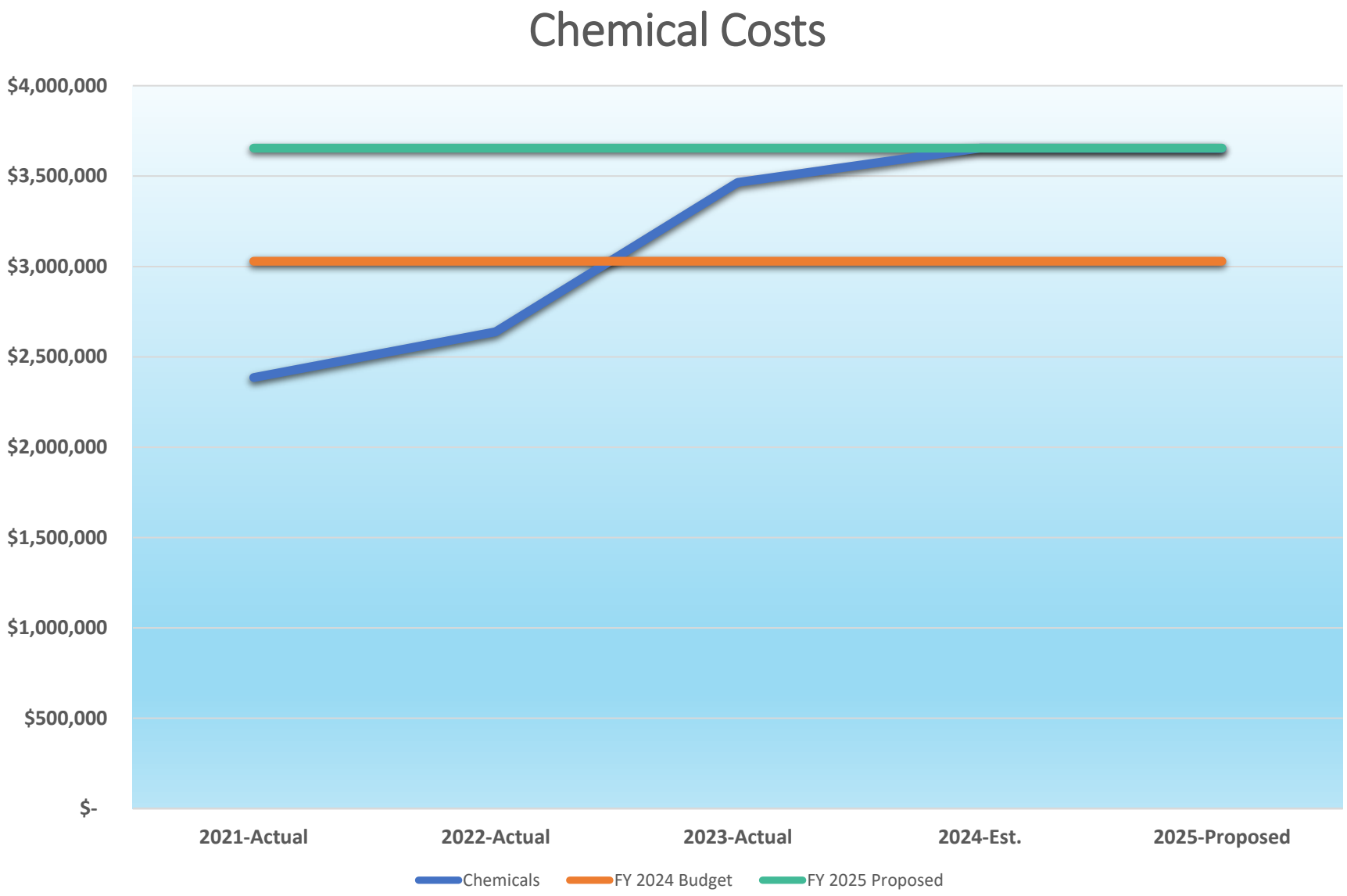
2022-Actual	$ 2,639,100	
2023-Actual	$ 3,465,700	31.3%

Bid prices on average increased 60% between FY 2022 and FY 2023

Budget
Lags


Utility Costs
$3,000,000
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$-
2021-Actual
2022-Actual
2023-Actual
2024-Est.
2025-Proposed
Utilties
FY 2024 Budget
FY 2025 Proposed

Budget
Lags


Chemical Costs
$4,000,000
$3,500,000
$3,000,000
$2,500,000
$2,000,000
$1,500,000
$1,000,000
$500,000
$-
2021-Actual
2022-Actual
2023-Actual
2024-Est.
2025-Proposed
Chemicals
FY 2024 Budget
FY 2025 Proposed

Laboratory Analysis – New Testing

	FY 2025 Increase
Urban Water	$ 80,400
Crozet Water	18,600
Scottsville	30,900
	$ 129,900

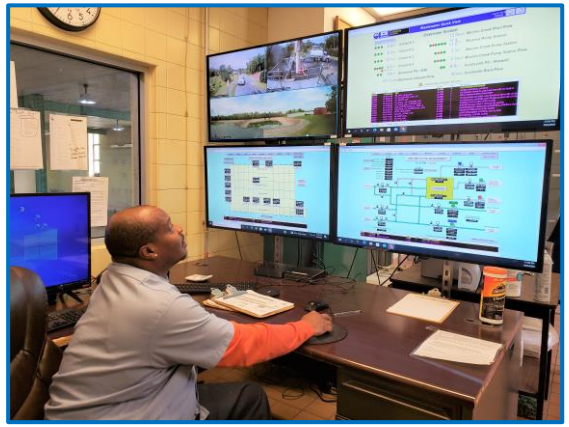
Represents a 150% increase in Laboratory Analysis costs

Lab Costs

PFAS - the various plants have new raw, filtered, and finished water tested each month. These costs are $395 per sample/test. (180 samples)

Pharmaceutical Byproducts Testing - testing is two times per year at a cost of $1,200 per sample/test. (24 samples)

New Calcium Testing - Urban Only, $105 per sample/test. (260 samples)



IT Systems

IT/SCADA/GIS

Budget increase = $200,500 or 15.8%

System Growth * System Security/Recovery * Effective / Efficient Administration

Factors and Improvement driving increased efforts and costs:

- All Firewall related software and hardware are on consistent platforms (Cyber Security, Efficient Administration)
- Second Live (hot) Data Center at South Rivanna was created (Cyber Security, Disaster Recovery)
- 9 New Programmable Logic Controller (PLC's) from capital projects and 3 new sites
  (Airport Road PS, Licking Hole Creek, Scottsville Tank)
  This pushes SCADA licensing costs to increase
- 3rd Party Support - Pen Test monthly, device management, software patch management and installations
- Mobile device management - cell phones and tablets must be managed like on-network devices
- New Systems - Continue to need Support as they grow in data and deployments
  Asset Management, Document Management, Project Management, HR- Info Systems

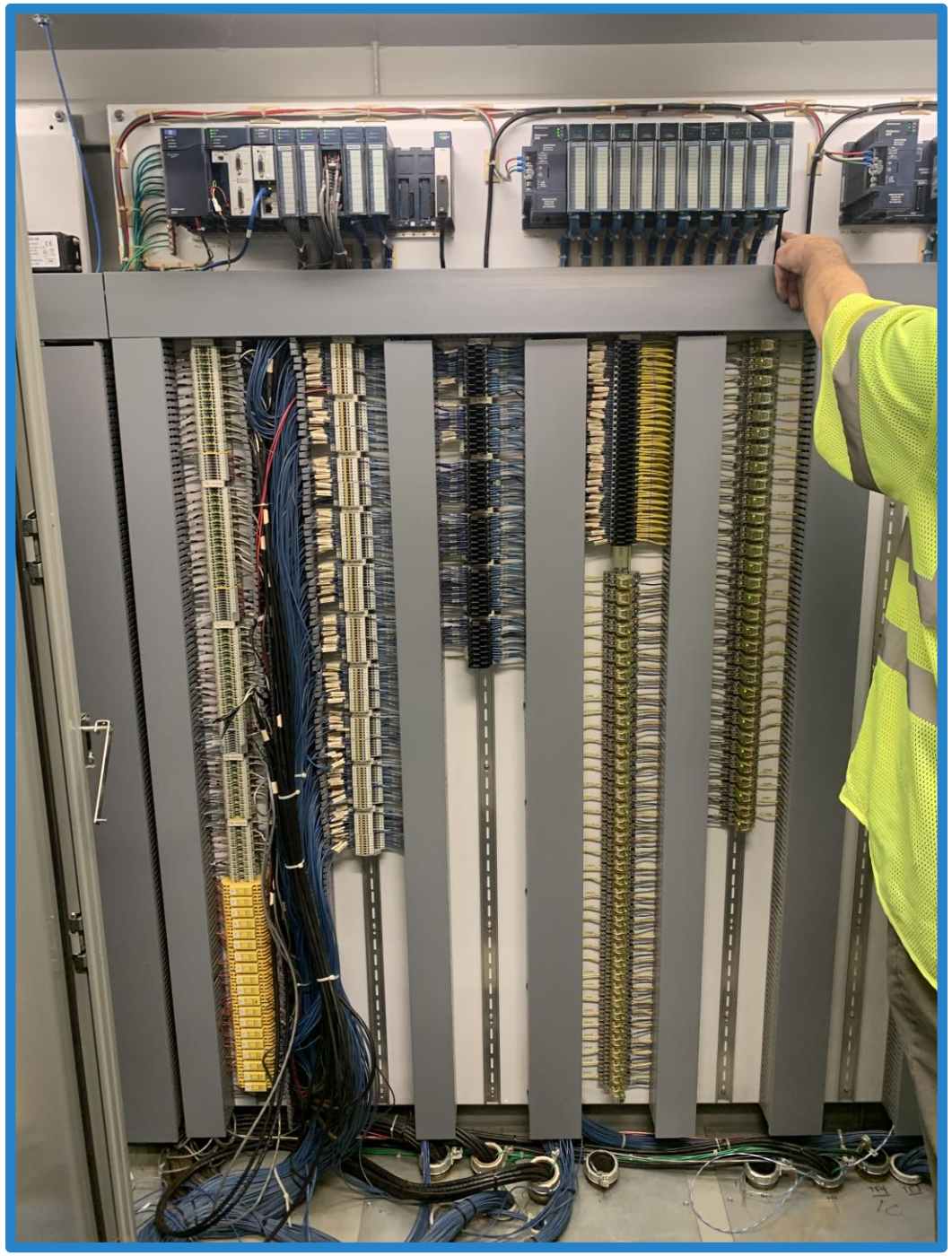
Information Technology systems and environment at the Authority are more connected than ever.

Utility-Targeted security risks are increasing in sophistication and frequency.

Moores Creek Programmable Logic Controllers (PLC)

A PLC control cabinet

110 total PLCs with 20 being critical



Summary – How cost drivers impact our Strategic Plan

Optimization & Resiliency

- Information Technology
- Chemical Usage
- CIP and Debt Service

Workforce Development

- Personnel
- CIP and Debt Service

Environmental Stewardship

- Laboratory
- CIP and Debt Service

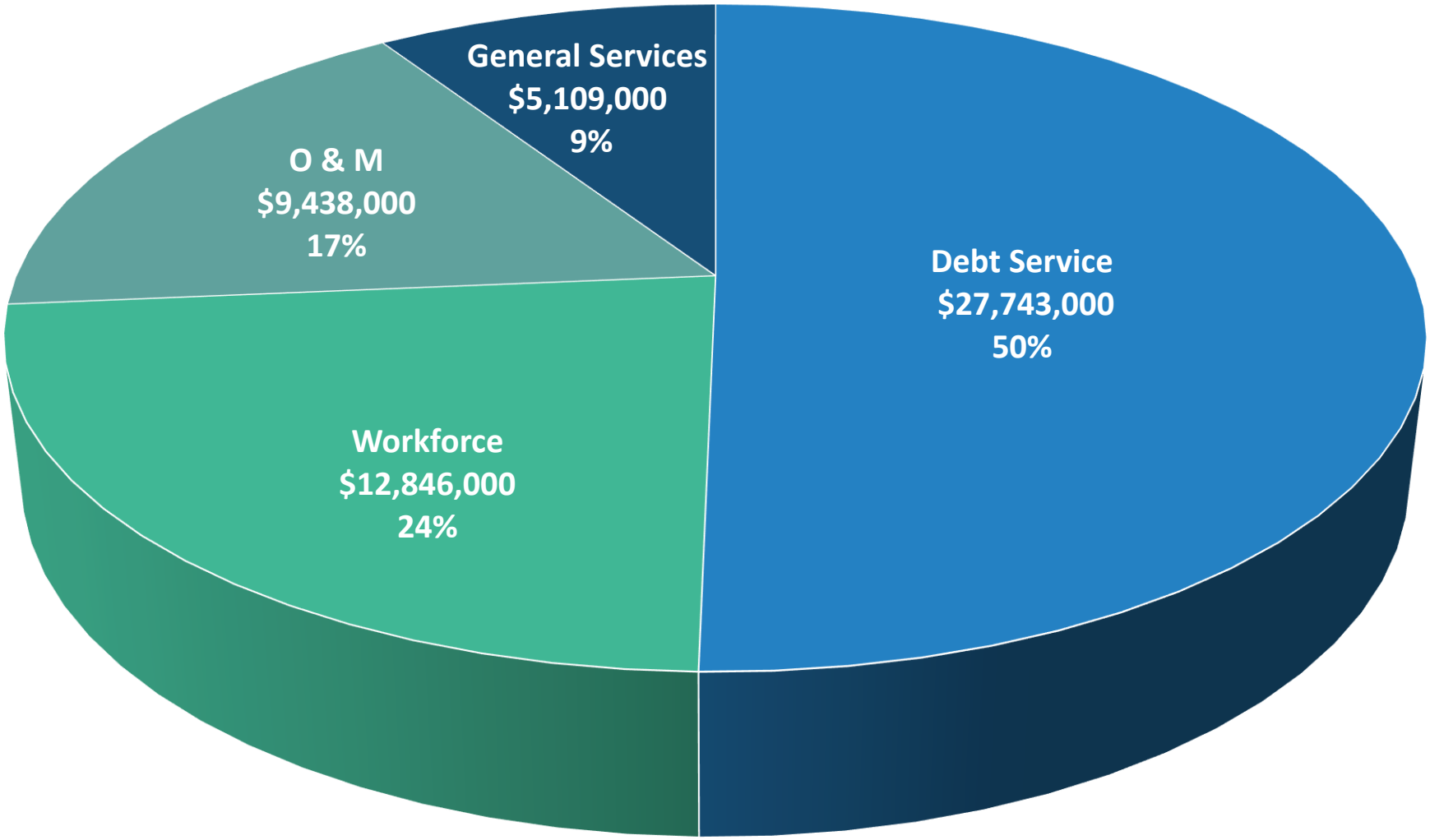
Communication & Collaboration

- Personnel
- CIP and Debt Service

Planning & Infrastructure

- Laboratory
- Utilities
- Chemicals
- Information Technology
- CIP and Debt Service

FY 2024– 2025 Budget
$55.1 M



Financial Forecast

RWSA Charge Increase (%): FY	25	26	27	28	29
• City	14.5	11.7	10.6	10.9	10.9
• ACSA	13.7	14.5	13.3	12.7	12.0

- FY 25 Capital Budget $79 m
- FY 25 - 29 CIP $371 m, less Grants of $20.5 m
- New CIP Debt Anticipated $308 m

RESOLUTION
TO ADOPT THE PRELIMINARY RATE SCHEDULE
FOR FISCAL YEAR 2024-2025
BY THE RIVANNA WATER AND SEWER AUTHORITY

WHEREAS, the Rivanna Water and Sewer Authority Board of Directors has reviewed the proposed budget and associated rates for Fiscal Year 2024-2025; and

WHEREAS, Section 15.2-5136 (G) of the Code of Virginia requires the adoption of the Preliminary Rate Schedule for notification of a public hearing prior to fixing rates for water and sewer charges; of which there is a requirement that the first of two public notices, published once a week for two consecutive weeks, is not more than 14 days before the actual date fixed for the public hearing.

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water and Sewer Authority hereby adopts the accompanying Preliminary Rate Schedule for the purpose of notification of a public hearing to be held on May 28, 2024 at 2:15 p.m. during the regularly scheduled Board of Directors meeting.

Preliminary Rate Schedule

Water Rates & Charges

Urban Area

ACSA & City	Operating	$	3.363	Per 1,000 gallons
City	Debt Service	$	376,226	Per month
ACSA	Debt Service	$	673,264	Per month

Crozet

ACSA	Operating	$	118,387	Per month
ACSA	Debt Service	$	215,864	Per month

Scottsville

ACSA	Operating	$	61,832	Per month
ACSA	Debt Service	$	15,868	Per month

Wastewater Rates & Charges

Urban Area

ACSA & City	Operating	$	3.247	Per 1,000 gallons
City	Debt Service	$	424,222	Per month
ACSA	Debt Service	$	422,158	Per month

Glenmore

ACSA	Operating	$	44,426	Per month
ACSA	Debt Service	$	4,065	Per month

Scottsville

ACSA	Operating	$	33,785	Per month
ACSA	Debt Service	$	2,713	Per month

Questions?

<u>Action Requested by the Board:</u>

Consider Approval of the Resolution to Adopt the Preliminary Rate Schedule including authorization to advertise the Preliminary Rate Schedule for a Public Hearing to be held during the regular meeting of the Board of Directors on May 28, 2024.