

Board of Directors Meeting

April 22, 2025 2:15pm



BOARD OF DIRECTORS

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

- DATE: APRIL 22, 2025
- LOCATION:Rivanna Administration Building (2nd Floor Conference Room),
695 Moores Creek Lane, Charlottesville, VA 22902
- TIME: 2:15 p.m.

AGENDA

- 1. CALL TO ORDER
- 2. AGENDA APPROVAL
- 3. MINUTES OF PREVIOUS BOARD MEETING ON MARCH 25, 2025

4. RECOGNITION

- a. Resolution of Appreciation for Rebecca Bodor
- b. Resolution in Recognition of Earth Day

5. EXECUTIVE DIRECTOR'S REPORT

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

7. RESPONSES TO PUBLIC COMMENTS

8. CONSENT AGENDA

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

9. OTHER BUSINESS

- a. Presentation: PFAS in Water and Wastewater Bryan Berger, Ph.D., UVA Associate Professor of Chemical and Biomedical Engineering
- b. Presentation: PFAS Regulatory and Class Action Litigation Update David Tungate, Deputy Executive Director
- c. Presentation: Wastewater Treatment, Facilities, and Staffing Overview Daniel Campbell, Director of Operations and Environmental Services

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

11. CLOSED MEETING

12. ADJOURNMENT

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

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

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

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

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

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

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

Rev. September 7, 2022



RWSA BOARD OF DIRECTORS Minutes of Regular Meeting March 25, 2025

A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was
held on Tuesday, March 25, 2025 at 2:15 p.m. at the Rivanna Administration Building, (2nd
Floor Conference Room), 695 Moores Creek Lane, Charlottesville, VA 22902.

- Board Members Present: Mike Gaffney, Jeff Richardson, Sam Sanders, Ann Mallek, Brian
 Pinkston, Quin Lunsford, Lauren Hildebrand.
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- 12 **Board Members Absent:** None.
- Rivanna Staff Present: Bill Mawyer, David Tungate, Lonnie Wood, Jennifer Whitaker, Daniel
 Campbell, Scott Schiller, Michelle Simpson, Austin Marrs, Victoria Fort, Leah Beard, Cary
 Wingo, David White, Deborah Anama, Jacob Woodson.
- 17
- 18 Attorney(s) Present: Valerie Long.
- 1920 1. CALL TO ORDER
- 21

Mr. Gaffney convened the March 25, 2025 regular meeting of the Board of Directors of the
Rivanna Water and Sewer Authority at 2:48 p.m.

- 25 2. AGENDA APPROVAL
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Mr. Sanders moved the Board to approve the agenda as presented. Mr. Pinkston seconded
 the motion, which carried unanimously (7-0).

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30 3. MINUTES OF PREVIOUS BOARD MEETING ON FEBRUARY 25, 2025

Ms. Mallek moved the Board to approve the minutes of the previous Board meeting on
 February 25, 2025. Mr. Pinkston seconded the motion, which carried unanimously (7-0).

- 35 4. EXECUTIVE DIRECTOR'S REPORT
- 36
- Bill Mawyer, Executive Director, stated that he was pleased to introduce their new Water
 Department Assistant Manager, Cary Wingo. He stated that Cary had been with them since 2021
- in an Operator position. He stated that she held a Class One water operator's license and was a
- graduate of the Civil Engineering program at UVA. He stated that they were pleased to have heras part of their management team and would like to congratulate her on her promotion.
- 42
- 43 Mr. Mawyer stated that David White, a mechanical engineer who had graduated from North
- 44 Carolina A&T University had joined their team the previous day. Mr. Mawyer stated that he
- 45 would like to welcome Mr. White to our Engineering team. Mr. Mawyer stated that he would
- 46 also like to congratulate Tyler Powell on obtaining his Class 2 Water Operator license.

- 47
- 48 Mr. Mawyer stated that the Virginia Department of Health had a program to recognize water
- 49 treatment plants that exceeded minimum regulatory requirements through the Water
- 50 Optimization Program. Mr. Mawyer stated that the South Rivanna and Observatory Water
- 51 Treatment Plants were awarded Silver Awards for Excellence in Filtration and Backwashing,
- 52 while the Crozet, Scottsville, and North Rivanna Water Treatment Plants earned Gold Awards
- 53 for Excellence in Filtration, Backwashing, and Clarification. He stated that this program
- 54 encouraged plants to strive for excellence beyond the minimum requirements. He stated that they
- 55 would like to thank David Tungate and Daniel Campbell for their efforts in making these awards 56 possible.
- 57
- 58 Mr. Mawyer stated that the Virginia Department of Health contacted them yesterday to inform
- 59 them that they had not collected enough water quality samples in the City water distribution
- 60 system in the month of February. He stated that they were required to collect 50 samples, but
- 61 they only collected 49. He stated that this meant they were in non-compliance, but they would
- resolve this issue in March once they collected the necessary samples. He stated that the main 62
- 63 concern was that the City may need to include a comment in the Consumer Confidence Report
- 64 published for its customers regarding this non-compliance. Mr. Mawyer stated that in February,
- 65 they experienced significant snow events and community issues including shutdowns at UVA
- 66 which contributed to the sampling challenges, despite having a redundant supervisory system to
- 67 ensure accurate sampling counts. He stated that they routinely collected more samples each
- 68 month than were required to have extras, but the system failed in February. Mr. Mawyer stated
- 69 that to prevent similar issues in the future, they would add an additional layer of supervisory oversight to ensure accurate counts.
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- 71
- 72 Mr. Mawyer stated that Daniel Campbell, Director of Operations, and Brian Haney, Wastewater
- 73 Manager, recently gave a tour to members of the Glenmore Association Water Resources
- 74 Subcommittee, explaining how the Glenmore Wastewater Treatment Plant operated and their 75 plans to renovate it soon. Mr. Mawyer stated that they had a \$2 million renovation project
- 76 planned for the Glenmore plant in the next two years, which would also help mitigate some of
- 77 the noise concerns the Association had expressed. He stated that they had another major \$6
- 78 million project planned for Glenmore in 2030-2031, which would provide additional
- 79 renovations. He stated that they had accelerated the first phase of this project to address the noise
- 80 problem. He stated that while they believed they had resolved the odor issues at the Glenmore
- 81 plant.
- 82
- 83 Mr. Gaffney asked if there was any more information about the black debris found in the water 84 in Glenmore.
- 85
- 86 Mr. Mawyer stated that he was unaware of any new information.
- 87
- 88 Mr. Lunsford stated that they were working with one customer to investigate a report of a 89 substance in the water and find the appropriate solution.
- 90
- 91 Mr. Mawyer stated that they had only experienced one instance in Glenmore and one in
- 92 Farmington recently, and both continued to be under investigation. He stated they had not seen a

- 93 widespread problem across the drinking water system or any additional customers experiencing
- 94 this issue. He stated that they were now looking at individual houses to determine the root cause
- 95 of the residue in those houses. Mr. Mawyer stated that some of these houses had recirculating
- hot water systems that ran continuously, and there was concern about the water age within the
- 97 house as a contributing factor to the formation of a residue. He stated that they were working
- 98 closely with Mr. Lunsford and ACSA staff to identify specific issues and solutions.
- 99
- 100 Mr. Mawyer stated that their Communications Coordinator had been collaborating with City and
- 101 ACSA coordinators on the Fix-A-Leak program, which included radio spots and an education
- 102 program at Martin's Hardware. He stated that the program aimed to promote water conservation
- 103 in the community, with a contest for the community running through April 14.
- 104
- 105 Mr. Mawyer stated that they had previously been approved for an \$880,000 Congressionally
- 106 Directed Spending grant for a project at the South Rivanna Water Treatment Plant secured by
- 107 Senators Kaine and Warner. He stated that unfortunately, none of the projects in the grant
- 108 program had been included in the recent Continuing Resolution passed by Congress. He stated
- 109 that as a result, the FY25 grant list would not move forward. He stated they were eligible to
- 110 apply for FY26 grants and would submit an application.
- 111
- 112 Mr. Mawyer stated that he would like to offer an apology to Ms. Smith, who made a public
- 113 comment last month regarding the Central Water Line project. He stated that he had mentioned
- 114 that the budget had increased from \$41 million to \$81 million, and she had commented that the
- original budget was \$31 million. He stated that at the time, he was unaware of the \$31 M budget, but Ma Smith was correct they had listed the budget of \$21 million in their Urban Einiched
- but Ms. Smith was correct they had listed the budget as \$31 million in their Urban Finished
 Water Master Plan report in January 2022. He apologized to Ms. Smith for not taking her
- 118 comment into consideration and for any confusion he had caused.
 - 119
 - 120 Mr. Gaffney added that he previously mentioned that he believed the \$31 million had been a
 - 121 placeholder for many years. He stated that he double-checked and found that it had only
 - 122 appeared in the budget for the first time in 2022. He stated that to correct his previous statement,
 - 123 he would like to apologize for assuming it had been a long-standing figure.
 - 124
- Mr. Mawyer stated that by June 2022, the project cost had reached \$41 million, which he had presented to City Council and this Board when they selected the route for the pipe. He stated that by June 2022, the project budget had been updated again. He stated that this may be a symptom
- of a project that had been in their planning program since 1987. He stated that over the past 38 years numerous changes had accurred to the project and they attempted to be project.
- 129 years, numerous changes had occurred to the project, and they attempted to keep pace with
- budgetary and project updates. He stated that they again apologized to Ms. Smith for not being
- 131 confident in her comments, which were clearly correct.
- 132
- 133 Mr. Mawyer stated that regarding the Administration Building renovation, construction was
- 134 expected to begin around June. He stated that they were busy purging the building of
- 135 unnecessary files and other items. He stated that they planned to relocate staff to a suite of
- 136 temporary trailers on the compost road during the two-year construction period. He stated that as
- 137 for the Board meeting space, they were currently exploring use of the ACSA facility as the
- 138 monthly Board meeting room.

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140 5. ITEMS FROM THE PUBLIC

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- 142 Dede Smith stated that she was a resident of Fry's Spring in the City of Charlottesville. She 143 stated that she would like to thank the Board for acknowledging her public comments at the 144 previous meeting; it was very kind of them. She stated that she did have a few questions 145 regarding the Central Water Line, and she would like to clarify that she did not live on the path 146 of this pipeline, but she was advocating for the south side, where she did live. She stated that the 147 area had experienced a lack of representation on any board, so she was being the Lorax to bring 148 attention to the needs of her community.
- 149

150 Ms. Smith stated that during the last meeting, there was significant discussion about the conflict

- 151 between the Central Water Line and sewer lines in the City streets, particularly the need to
- 152 excavate below rock for four miles of the path. She stated that she would like to clarify how they
- planned to accomplish this, and whether blasting of rock along City streets would be necessary. 153
- 154 She stated that her second question concerned the possibility of having to sever sewer lateral
- 155 lines that connect the main pipes in the street to individual homes. She stated that although this
- 156 was mentioned in the minutes, she would like to understand the practical implications and 157 whether it would be the homeowners' or the City's responsibility to mitigate this issue.
- 158

159 Ms. Smith stated that her third question was regarding the discussion up to this point only

160 referenced sewer lines. She asked about water and gas lines in the street which also had laterals

- 161 to every home along the path. She stated that even if the water lines were avoided, she would like
- to know what implications there would be for these lines if they were excavated or damaged. She 162
- stated that she would like to understand the potential risks and consequences. 163
- 164

165 Ms. Smith stated that finally, she had been in a Historic Resources Committee meeting recently 166 that was not about water, but it was mentioned that West Main Street was going to be closed. She 167 stated that the closure was anticipated to occur in the near future, and it would require significant

168 disruption, including the removal of gas lines and RWSA infrastructure pipes. She stated that she

- 169 would appreciate any insight the Authority could provide regarding this matter. She asked why
- 170 West Main Street had initially been considered the preferred route due to the plans to tear it up,
- 171 but then it was stated that it would not be torn up. She stated that she would like to have some
- 172 clarification on that issue.
- 173

174 6. RESPONSES TO PUBLIC COMMENTS

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176 Mr. Mawyer stated that in general, any existing sewer, gas, or water lines in the street must be 177 protected from damage during construction of the Central Water Line. He stated that they would 178 take precautions while placing their water line underneath these utilities.

179

180 Ms. Hildebrand stated that no blasting would be allowed.

181 182 Mr. Mawyer stated they would have to chip and cut rock to remove it. He stated that this was

- 183 consistent with Ms. Smith's earlier mention that blasting could pose challenges around gas lines
- 184 and other utilities. He stated that therefore, they did not anticipate any blasting. He stated that if

185 186 187 188	out app	ey needed to sever a sewer lateral, they would coordinate with the homeowner to have a short tage while they severed and then restored it. He stated that a short outage was their preferred proach. He stated that they hoped to minimize the need for impact to residents, but they had 75 100 sewer laterals to navigate as they installed four to five miles of large water pipe.
189		
190	Ms	s. Hildebrand stated that she could address the West Main project. She stated that the West
191		ain project was a natural gas project. She stated that this was the project for which they
192		reverse a federal grant of \$7.1 million to replace the legacy cast iron system. City Utilities
193		buld also take the opportunity to upgrade their water lines while they were in West Main. She
194		ted that they did not anticipate any closed roads during the project, but there may be sections
195		roads that required detouring traffic. She stated that the work in West Main was not a Rivanna
196		bject; it was a City project.
197	r -	Jerey Constant of The Jeren
198	7.	CONSENT AGENDA
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200		a. Staff Report on Finance
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202		b. Staff Report on Operations
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204		c. Staff Report on CIP Projects
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206		d. Staff report on Administration and Communications
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208		e. Staff Report on Wholesale Metering
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210		f. Staff Report on Drought Monitoring
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212		g. Approval of Term Contract for Construction Visual Documentation Services –
213		Commonwealth Documentation, LLC
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215	Mr	r. Pinkston moved the Board to approve the Consent Agenda. Ms. Mallek seconded the
216		otion, which carried unanimously (7-0).
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218	8.	OTHER BUSINESS
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220		a. Presentation: Organizational Agreements of the RWSA
221		David Tungate, Deputy Executive Director
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223	Da	vid Tungate, Deputy Executive Director, stated that he would be addressing the organizational
224		reements of the Rivanna Water and Sewer Authority. He stated that the idea for this
225	-	ganization began on June 7, 1972, when the State Water Control Board notified the City and
226	-	unty about the availability of \$13 million in federal and state grants, contingent upon the City
227		Charlottesville and Albemarle County designating a single political entity to represent both
228		califies. He stated that a concurrent resolution on June 7, 1972, established the Rivanna Water
229		d Sewer Authority.
230		

- 231 Mr. Tungate stated that at the time, the Rivanna Board consisted of five members, with two
- representatives from the City, two from the County, and one member that was jointly appointed.
- He stated that the City and County later approved the concurrent resolution to reauthorize the
- Rivanna Water and Sewer Authority for an additional 50 years in 2022. He stated that the
- 235 Service Agreement of 1973, also known as the Four-Party Agreement, involved the acquisition
- of the existing water and wastewater facilities from the City and Albemarle County Service
- Authority (ACSA) by the Rivanna Water and Sewer Authority.
- 238

Mr. Tungate stated that under this agreement, RWSA was required to be the sole producer of potable water and wastewater treatment in Albemarle County and the City, with the term set to expire on June 30, 2012, or when bonds were paid within two years of notice of termination. He stated that in 1985, the Articles of Incorporation were amended and restated to limit RWSA's service area to the City and ACSA for treatment and transmission of potable water and the

- treatment and disposal of sewage.
- 245

246 Mr. Tungate stated that in 1986, the second Articles of Incorporation were restated to place the

247 Executive Director of the ACSA, or such Albemarle County department head as the Board of

248 Supervisors may appoint, on the Board of RWSA in lieu of the County Engineer of Albemarle

249 County. He stated that in 2009, a third restated article increased the number of Board members

250 from five to seven, with the addition of one member from City Council and one member from

251 the Albemarle County Board of Supervisors. He stated that the fourth restated article,

252 incorporated in 2017, designated the City Director of Utilities or a department head appointed by

253 City Council as the representative on the RWSA Board in lieu of the City Director of Public254 Works.

254 255

256 Mr. Tungate stated that the 1975 By-laws established the Officers, Board of Directors, and 257 Executive Director position, as well as the schedule of meetings on the third Monday at 403 8th Street. He stated that the 1983 By-laws allowed a designated alternate to attend meetings but not 258 259 vote. He stated that in 1986, the meetings were changed from the third Monday to the fourth 260 Monday. He stated that by 2010, they had added a requirement to change the meetings from the 261 fourth Monday to the fourth Tuesday. He stated that in 2014, Board members were allowed to 262 participate remotely in Board meetings through electronic communications, provided a quorum 263 of four was physically present at the meeting. He stated that in 2016, the Executive Director was authorized to sign contracts up to \$100,000. 264

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Mr. Tungate stated that in 2020, this contract limit was increased to \$200,000. He stated that in 2022, a remote participation policy was adopted, allowing virtual Board meetings and remote participation by Board members. He stated that next he would discuss some of the working agreements. He stated that a Working Agreement on Urban Area Wholesale Flow Allocation and Billing Methodology was established in 1983. This agreement determined that water and wastewater treatment charges would be applied to the total amount of water produced, with the total cost proportionally allocated to City Utilities and ACSA based on the metered usage

- 273 obtained from customers.
- 274

275 Mr. Tungate stated that the Joint Resolution of 1983 purchased 1,314 acres of land for a

276 proposed drinking water supply reservoir and created the Buck Mountain Surcharge. He stated

that the Southern Loop Agreement of 1987 outlined the plan and cost allocation for water lines

- and storage tanks from the Observatory Water Treatment Plant to Avon Street and from Avon
- 279 Street to East High Street, Eastern Branch. He stated that this agreement was replanned in 2022
- to a southern/Cherry Avenue corridor closer to the center of the City, also known as the CentralWater Line.
- 282

Mr. Tungate stated that in 1990, the Moores Creek Relief Sewer Project was undertaken, a new
sewer line parallel to the existing Moores Creek Interceptor Line on Quarry Road to the Moores
Creek Advanced Water Resource Recovery Facility. He stated that the Urban Water Line in
1993 established a funding formula for the water line along Berkmar, with a split of 52% City
and 48% ACSA. He stated that in 2003, the South Rivanna Water Treatment Plant expansion
allocated capacity and cost for a 4 MGD expansion at South Rivanna, which was 100% funded
by ACSA.

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Mr. Tungate stated that non-capacity CIP projects for the urban water system were allocated at
48% to the City and 52% to ACSA, and urban plants capacity and the South Fork Rivanna
Reservoir was allocated for safe yield. He stated that the 2012 Ragged Mountain Dam Project
Agreement required RWSA to design and build a new Ragged Mountain Dam and a pipeline
from South Rivanna to Ragged Mountain. He stated that the agreement required water supply
and demand studies every decade, starting in 2020. RWSA committed to construct and maintain
a wholesale metering system.

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Mr. Tungate stated that the Ragged Mountain Reservoir was leased from the City for 40 years,
ending in 2052. He stated that the 2012 Water Cost Allocation Agreement allocated the cost of
the Ragged Mountain Dam as follows: 85% ACSA, 15% City Utilities for the dam, and the
pipeline being shared 80% ACSA and 20% City Utilities. Mr. Tungate stated that the agreement

- also allocated urban water supply and safe field monitoring to the wholesale meter system.
- 304

He stated that the 2014 Wastewater Projects Cost Agreement allocated the cost of the new
Rivanna Pump Station and future capacity and non-capacity wastewater CIP projects, based on
actual wastewater flow updated every five years. He stated that this update was due again in
2025.

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310 Mr. Tungate stated that the Four-Party Agreement was amended in 2015 to compute debt

- 311 services charges as a monthly charge rather than including them in water and wastewater rates.
- He stated that in 2019, the following year, the Buck Mountain Surcharge was ended. He stated
- that in 2020, the Observatory Water Treatment Plant Raw Water Pumping and Piping Upgrade
- Cost Allocation Agreement allocated costs for additional capacity facilities and a commitment to
 construct a Central Water Line through the City.
- 316
- 317 Mr. Tungate stated that a 49-year lease with UVA for the Observatory Reservoir Water
- Treatment Plant was signed in 2020. It established annual payments of \$175,000 to be adjusted annually for CPI-U increases every 10 years.
- 320
- 321 He stated that the 2022 Northern Area Drinking Water Project Agreement allocated costs to
- 322 ACSA for new drinking water facilities north of the South Fork Rivanna River. He stated that the

- 323 following year, the first amendment to the Ragged Mountain Dam Project Agreement authorized
- 324 RWSA to increase the community's water supply by adding 700 million gallons to the existing 325 Ragged Mountain Reservoir.
- 326
- 327 Mr. Tungate stated that the foundation documents of RWSA include the Articles of
- 328 Incorporation, the Four-Party Agreement, and various bylaws and agreements which have been
- 329 established over the past 53 years to allocate water and wastewater supply and costs. He stated
- 330 that the staff must accurately administer these agreements and properly manage their resources,
- 331 budgets, and charges to the City and ACSA.
- 332
- 333 Ms. Mallek asked, when considering the allocations for costs associated with new construction, 334 was there a true-up based on consumption, typically on a regular time period? She stated that for 335 instance, if 10,000 more people were to move into the City, it would likely significantly impact 336 their percentages and consumption patterns in the construction space.
- 337
- 338 Mr. Tungate stated that to the best of his knowledge, the terms were subject to adjustment based 339 on the agreements in place, but he did not believe they would be adjusted.
- 340
- 341 Mr. Mawyer stated that the agreement outlined the specific amounts of water allocated to the
- 342 City and the Service Authority. He stated that this was when they conducted their monthly
- 343 wholesale meter report, which provided a graph showing the allocated amounts and the actual
- 344 usage by each party. He stated that this cross-check ensured that both parties remained within the
- 345 agreed-upon limitations. He stated that the agreement also specified that if either party exceeded
- 346 its allocation, a true-up would occur. He stated that this was outlined in the Ragged Mountain
- 347 Dam Project Agreement and the Water Cost Allocation Agreement, which were partnerships
- 348 between the City and the Service Authority.
- 349
- 350 Ms. Mallek asked if it would be higher than a normal gallon charge due to not covering the 351 construction costs.
- 352

Ms. Mawyer stated that his summary was that it may be a complicated process to determine the 353 354 true-up cost if the water allocation was exceeded decades into the future for a project completed 355 in 2014. He stated that the agreement included a true-up if either party exceeded its allocation.

- He stated that the wholesale meters tracked how much water each party was using to ensure there 356
- 357 was compliance with that agreement.
- 358

359 Mr. Gaffney stated that he believed Mr. Wood had put in a significant amount of effort in 360 developing that agreement, and he thought that he was capable of resolving any issues that may arise if someone exceeded their allocated amount. 361

- 362
- 363 b. Presentation and Consider Vote to Approve: Introduction of FY 2025-2026 Budget and 364 Resolution to Adopt the Preliminary Rate Schedule Bill Mawyer, Executive Director
- 365 366

367 Bill Mawyer, Executive Director, stated that with the background provided by Mr. Tungate on 368 their foundation documents and the process of allocating costs, he would present the proposed

369 budget for the upcoming year. He explained that this budget was guided by five strategic plan 370 goals, which they focused on daily. He stated that the budget was \$64 million for next year, with 371 an \$8.9 million increase from the current year primarily driven by debt service which would 372 increase by \$5.7 million next year. 373 374 Mr. Mawyer stated that this budget increase was largely due to the essential and generational 375 water supply projects they were currently building along with other projects which would begin 376 in the next fiscal year. He stated that those projects were driving the debt service increase. He 377 stated that their operations budget increased by \$3.2 million, or 11.8%. The City's charges were 378 expected to be \$22.9 million, a 12.4% increase, and the ACSA charges would be \$36.9 million, a 379 20.1% increase. 380 381 Mr. Mawyer stated that their finance group and Mr. Wood reviewed the 2024 actual urban water 382 and wastewater retail flows and this resulted in a \$256,000 shift in operating costs from the City 383 to the ACSA for FY26. He stated that they reviewed actual retail flows each year. 384 385 Mr. Mawyer stated that they had discussed per- and polyfluoroalkyl substances (PFAS) and how regulatory requirements had become a cost driver. He stated that other emerging contaminants, 386 387 such as microplastics, were now an evolving regulatory concern. He stated that there were also 388 capacity issues as the City, County, and the University were growing. 389 390 Mr. Mawyer stated that they were investigating the use of technologies, including artificial 391 intelligence, which created both benefits and challenges for security and sustainability. He stated 392 that they were exploring renewable natural gas projects with the City to utilize wastewater gas 393 products. He noted that affordability was also a consideration for the customers of the City and 394 the ACSA. 395 396 Mr. Mawyer stated that they had discussed the facilities they operated and maintained in the CIP, 397 which included over 60 major facilities with a capital asset value of \$435 million. He stated that 398 they also maintained hundreds of miles of pipe, thousands of water valves and manholes, as well 399 as the Lickinghole stormwater impoundment. 400 401 He stated that by the end of June, they would celebrate completion of the Airport Road Water 402 Pump Station and a major electrical upgrade at Moores Creek. He stated that they anticipated 403 removal of the temporary bypass system next month at the Rivanna Wastewater Pump Station, 404 followed by full restoration several months later. 405 406 Mr. Mawyer stated that after years of effort, they successfully completed a new water withdrawal 407 permit from the Virginia Department of Environmental Quality (DEQ) for the Crozet water 408 system and were nearing completion of a new permit for the urban water system with DEQ. He 409 stated that they had secured approximately \$1.7 million in grants. He stated that Mr. Wood and 410 his staff successfully issued a \$93 million revenue bond to help fund their projects. He stated that 411 they produced about 3.4 billion gallons of drinking water and processed a similar amount of 412 wastewater during the last year. He stated that major construction projects were underway or 413 planned for 2026, including water supply and redundancy at the South Rivanna crossing. 414

415 Mr. Mawyer stated that the Ragged to Observatory Pipeline and Pump Station project was 416 currently underway, along with the Central Water Line project for which they expected to

- 417 receive construction bids in May. He stated that the South Rivanna to Ragged Pipeline was
- 418 scheduled for bidding later this year along with a project to increase the normal pool level at
- 419 Ragged Mountain reservoir. He stated that they were also making drinking water treatment
- improvements at the Crozet and Red Hill Water Treatment Plants, as well as an upgrade to the
- 421 powdered activated carbon treatment system at the South Rivanna Water Treatment Plant.
- 422

423 Mr. Mawyer stated that they prioritized asset maintenance and reliability by renovating the four
 424 Crozet Wastewater Pump Stations, for which the Board had already awarded the construction

425 contract. He stated that last month they had awarded the construction contract for concrete

- repairs to the basins and facilities at Moores Creek, along with the administration building
 renovations, addition, and education center project. He stated that these expenses were the basis
- for their overall budget of \$64 million. He stated that debt service now accounts for 52% of their
- 429 operating expenses.
- 430

431 Mr. Mawyer stated that the remaining 48% of the budget provided support for their operational

432 services and expenses. He stated that of the \$30.6 million allocated to this portion of their
433 budget, they used 75% for workforce, chemicals, information technology, and utility expenses.

434 He stated that this left 25% for repairs and maintenance of their equipment, facilities, buildings,

435 and grounds. He stated that they also had expenses for the depreciation of buildings and

- 436 equipment, and they shipped all of their biosolids to McGill Environmental in Waverly, VA at a
- 437 cost of almost \$1 million per year.
- 438

Mr. Mawyer stated that they had a full-service water and wastewater laboratory to analyze
samples. He stated that they also had a wastewater odor control system at all four pump stations
from Crozet to Ivy and here at Moores Creek. He stated that this was a maintenance cost of about
\$1 million per year. Safety was also a priority, costing \$100,000 per year to maintain. He stated
that from the \$8.9 million increase, debt service accounted for 64% of the increase, personnel

- 444 13%, and Information Technology systems 11%.
- 445

Mr. Mawyer stated that the proposal for staff salaries next year included a 2% cost of living
increase, a 3% merit pool, two new positions, and increasing benefit costs for retirement, health
and life insurance. He stated that when considering a cost-of-living increase for staff, they were
looking at their strategic plan goal of maintaining turnover to less than 10%; currently, they were
at 7.9%. He stated that Ms. Beard would shortly present the compensation study they had

451 completed. He stated that they had analyzed cost-of-living indices, including the CPI-U,

452 estimated to be approximately 2.6% by the end of this March over the last 12 month period.

453

454 Mr. Mawyer noted that Albemarle-Charlottesville was one of the most expensive areas in

- 455 Virginia, ranking behind only northern Virginia. He stated that they had polled 30 colleague
- 456 Utilities around the state, receiving responses from 11. He stated that their data suggested
- 457 proposed salary increases ranging from 3% to 6%, with an average of about 4.7%. He stated that
- 458 the Virginia Retirement System had approved a COLA increase of 2.95% for Plan 1 retirees and
- 459 Plan 2 hybrid received a 2.48% increase. He stated that Social Security had awarded a 2.5%
- 460 COLA in January. Mr. Mawyer stated that these metrics informed their proposal for staff

461 compensation. He stated that initially, they considered proposing four additional positions, but 462 they decided on two priority positions which included an additional information technology 463 administrator to support the Supervisory Control and Data Acquisition system, community and 464 security systems, asset management, and their increasing reliance on technology for water 465 treatment, wastewater treatment, and HR functions. Mr. Mawyer stated that the second proposed position was one additional construction inspector to monitor our CIP projects, which would help 466 467 reduce consultant inspection costs. He stated that they had eight projects under construction, with 468 several more planned for this year. He stated that this inspector position would effectively pay 469 for itself. He stated that they currently had four inspectors with a supervisor. He stated that they 470 had been growing this team over the years. He stated that the IT SCADA position fell under Mr. 471 Wood in their Finance and Information Technology Department, while the additional inspector fell under Ms. Whitaker as their Director of Engineering and Maintenance, and Scott Schiller, 472 473 who was their Manager of Engineering. Mr. Mawyer stated that these two proposed positions 474 would bring their total to 106 positions. He stated that they allocated some of the costs of these 475 central resources, such as Finance and HR, to the Solid Waste Authority, and provided a 476 breakdown of how much would be contributed to support some of these joint administrative 477 positions; approximately six positions in Water and Sewer were supported by Solid Waste.

478

479 He stated that when considering their strategic goal of optimization and resilience, technology 480 and communication was driving an increase of about \$1 million for licenses and support services 481 for their SCADA system, which managed their water treatment, pump stations, and wastewater 482 treatment plants. Mr. Mawyer stated that they were growing their asset management system so 483 that they had a comprehensive listing of all assets with predictive information on the life cycle 484 and when they needed to be replaced. Ms. Whitaker and Katie McIlwee were making significant 485 progress with the asset management program. Mr. Mawyer stated they were focused on replacing 486 equipment before it failed. He stated that they did not want to operate their equipment to failure 487 and compromise customer service. He stated that to address this, they included replacement of 488 essential ultraviolet lamps which disinfect wastewater as part of the proposed budget. He stated 489 that the budget also included replacement of pumps and gas sensors, which were critical 490 components. He stated that they had thousands of water valves, and a motorized valve machine 491 was required to operate them. Mr. Mawyer stated that they had included a grinder for processing 492 solids in the budget along with a mobile generator and redundant power source. He stated that 493 this would enable them to move the generator to pump stations or other locations in cases when 494 emergency power was needed.

495

Mr. Mawyer stated that Engineering Services continued to grow with their new commissioning
program, which involved pre- and post-construction review by commissioning experts to
optimize controls and improve reliability. To support sustainability initiatives, they were
investigating a Renewable Natural Gas project with City Utilities. He said they had been
awarded significant grant funding to support projects totaling about \$10 million.

501

502 Mr. Mawyer stated that they were also conducting water modeling to assess the risk of droughts 503 and their potential impact on their water supply. He stated that they were working on improving 504 public awareness at their reservoirs in the event of a dam failure. He stated that to achieve this, 505 they were exploring ways to save money through operational optimizations, which had resulted 506 in chemical and process optimizations worth almost \$250,000 annually.

507 508 He stated that to summarize, their forecasted charges were as follows: the City was expected to 509 see a 12.4% increase, while the ACSA was anticipating a 20.1% increase. Mr. Mawyer stated 510 that their capital budget for next year was \$104 million, and their five-year Capital Improvement 511 Program totaled \$550 million. He stated that they anticipated a new debt of approximately \$380 512 million over the next 5 years. 513 514 He stated that in summary, their budget was \$64 million, representing a 16% increase from the 515 current year, primarily driven by debt service costs. He stated that this increase would be 516 supported by the City Utilities Department and the ACSA. 517 518 Mr. Mawyer stated that he was happy to answer any questions the Board may have. He stated 519 that once he had addressed their concerns, he would like the Board to consider adopting the 520 preliminary rate schedule, which outlined the charges for water and wastewater treatment. He 521 stated that if approved, they would advertise the rates in the newspaper and hold a public hearing 522 at the regular meeting in May, at which time they would have the opportunity to approve the 523 rates. 524 525 Ms. Mallek stated that she was aware that they had a significant amount of new debt, but she was 526 unsure about the predictable amount of old debt that was rolling off annually. 527 528 Mr. Wood stated that they did not currently have any projects scheduled to come off the books 529 until approximately 2029 or 2030. 530 531 Ms. Mallek asked if it would be a significant amount in five years. 532 533 Mr. Wood stated that over a five-year period, the annual debt service payment would be reduced 534 by approximately \$1 million. (note: annual debt service payments will reduce existing debt 535 principal by about \$55 million over the next 5 years). 536 537 Mr. Mawyer stated that they also took advantage of any opportunity they had to refinance bonds 538 to get improved rates. 539 540 Mr. Pinkston stated that he found the presentation and the effort that went into it to be extremely 541 impressive. He stated that he believed they had previous discussions on this topic, and he thought 542 it was essential that they adhered to the budget. He stated that he would continue to flag the 10% 543 annual increases, which he knew others had also pointed out, because it was exponential. He 544 stated that he did not have a solution to this issue, but he thought it was something they all 545 needed to be aware of and address. He stated that at the federal level, the changes in taxation on 546 revenue bonds and municipal bonds was a topic that warranted discussion. He stated that he had 547 heard that there were no plans to move forward with it under the new administration in Congress. 548 He stated that he believed that was a risk they should be considering. He stated that it would 549 likely make the situation worse. 550 551 Ms. Mallek stated that the cost would increase, as the stock value fell. 552

- 553 Mr. Pinkston stated that he was not certain about that, but it seemed that some of the tax 554 exemptions that were currently in place might not be available in the future.
- 555

556 Mr. Gaffney stated that in the past, he was sure they had discussed the state of the Authority in 557 the year 2000, which was marked by neglect from years before. He stated that as a result, all the 558 sewer interceptors and the wastewater treatment plant had to be rebuilt to function properly. He 559 stated that the water system also required attention at that time. He stated that as a result, they 560 were still playing catch-up as reflected in this proposed budget.

561

Mr. Pinkston moved the Board to approve 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 27, 2025. Ms. Mallek seconded the motion, which carried unanimously (7-0).

- 566567 (Combined Session with RSWA)
- 568 569

c. Presentation and Consider Vote to Approve Amended and Restated By-Laws Lonnie Wood, Director of Finance and Information Technology

570 571

572 Lonnie Wood, Director of Finance and Information Technology, stated that this was primarily a 573 housekeeping item. He stated that a full Board attendance was required to make changes to the 574 bylaws. He stated that the agenda item was a proposal to approve the amended and restated 575 bylaws. He stated that the proposed changes aimed to clarify the Executive Director's authority 576 to execute contracts, leases, easements, deeds, and related compensation agreements. 577

578 Mr. Wood stated that the Executive Director's authorization to award procurements was also 579 increased from \$200,000 to \$300,000 to be consistent with purchasing policies and procedures. 580 He stated that this change was in line with the updated purchasing policies and procedures that 581 were implemented in July 2024, which were prompted by changes in the state procurement law. 582 He stated that the proposed by-law revisions were intended to align with the state law changes.

583

Ms. Mallek moved the Board to approve the Resolution to Adopt the Amended and Restated By-Laws, effective on March 25, 2025. Mr. Pinkston seconded the motion, which carried unanimously (7-0).

- 587
- 588 589
- d. Presentation and Consider Vote to Approve: FY 2025-2026 Compensation Study and Salary Structure, Leah Beard, Human Resources Manager
- 590

Leah Beard, Human Resources Manager, stated that this past fall, they had initiated a request for a compensation study to be completed. She stated that as part of their strategic plan, the workforce development strategy aimed to remain competitive in the market by evaluating their salary structure in conjunction with job titles and functions within each position and aligning it with their overarching goals of retaining engaged employees and recruiting quality talent.

Ms. Beard stated that they had worked with PRM Consulting, a company based in Washington,D.C., which had experience evaluating salaries for numerous organizations in the D.C. area and

- 599 in Virginia. She stated that PRM worked with them to identify 26 peer organizations within
- 600 Virginia, which were all authorities, local municipalities, and government utility departments.
- 601 She stated that PRM requested salary information from these organizations, and 14 had
- responded, providing a robust data set for comparison.
- 603

Ms. Beard stated that the findings indicated we should consider a new salary structure, which involved identifying the median base salaries and pay grades. She stated that our current salary structure includes 27 pay grades, which had been somewhat cumbersome. She stated that they were reducing the salary structure to 17 pay grades and expanding each pay grade to allow greater flexibility for managers to recognize and reward employees within our merit pay system without reaching the top of a salary pay grade. She stated that the new structure would have larger salary ranges.

610 611

612 Ms. Beard stated that staff were now seeking the Board's adoption of the new salary structure,

- 613 which would require four Water and Sewer employee salaries to be brought to the new
- 614 minimum, and 10 Solid Waste employees. She stated that the total impact of this change was
- 615 estimated to be around \$38,000, effective July 1.
- 616
- 617 Ms. Beard stated that the new salary structure, which consolidated 27 pay grades into 17, with
- multiple levels within each, would help assess an employee's position within the organization,
- 619 particularly for those new to the organization based on their experience. She stated that the wider
- 620 pay bands were designed to reduce and alleviate compression, and the mid-range levels had been
- based on competitive market data from the study. She stated that staff were requesting that the
- Board approve the new salary structure, which would take effect on July 1, 2025.
- 623
- Mr. Hicks asked if Ms. Beard could provide an example for where an operator with a CDLwould be placed in the salary structure.
- 626

Ms. Beard stated that an employee with a CDL would likely fall under pay grade 40 in their current structure and the salary for that position would be between \$44,000 and \$73,000. She stated that in the new salary structure, an employee would likely be a grade 2 with a slightly higher salary range of \$50,000 to \$82,000. She stated that Virginia increased the minimum wage by 3.4% in January to \$12.41/hr.

632

Ms. Beard stated that they were experiencing lower turnover rates, and were proposing a new salary structure to help retain and recruit employees. She stated that the combined turnover rate of both Authorities is currently 9.4%, which was a significant improvement from last year's 14.2%. She stated that with the new salary structure, we would become more competitive in the market, thereby reducing the likelihood of employees leaving. She stated that turnover costs around \$9,000 per employee.

639

640 Mr. Gaffney stated that the additional costs of the new salary structure only applied to existing

- 641 employees because it only increased Rivanna's budget by \$6,000. Ms. Beard stated that the new
- salary structure primarily impacted Solid Waste and the unskilled positions within pay grade 1.
- Those employees would receive an increase to reach the minimum salary within the pay grade.
- 644 She stated that Water Operators would likely start at pay grade 2, so the impact would primarily

- 645 be on entry-level positions.
- 646

654

656

658

660

Mr. Mawyer stated that the actual pay increases included 3% for merit and 2% for a cola as they
had discussed with the proposed budget. He stated that this was a new pay scale, and the only
increase to any individual was if they were below the minimum salary of the pay grade, which
only affected four RWSA employees and 10 RSWA employees.

Mr. Pinkston moved the Board to approve the amended Salary Structure to be effective
July 1, 2025. Ms. Mallek seconded the motion, which carried unanimously (7-0).

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

657 9. OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA

There were none.

661 **10. CLOSED MEETING**

- 662
- There was no reason to hold a closed meeting.

665 *11. ADJOURNMENT*

666

At 3:48 p.m., Mr. Pinkston moved the Board to adjourn the Rivanna Water and Sewer
 Authority meeting. Ms. Mallek seconded the motion, which carried unanimously (7-0).



RIVANNA WATER AND SEWER AUTHORITY BOARD OF DIRECTORS

Resolution of Appreciation for Rebecca Bodor

WHEREAS, Ms. Bodor has served as an outstanding Water Treatment Operator in the Water Department since September 2005 including 13 years at the highest Class One licensing level while serving in our South Rivanna and Observatory Water Treatment Plants; and

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

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

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water and Sewer Authority Board of Directors recognizes, thanks, and commends Ms. Bodor for her 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 her retirement.

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

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



RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

Resolution in Recognition of Earth Day

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

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

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

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

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

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



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: APRIL 22, 2025

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

Promotions and New Credentials for Team Members

After a competitive recruitment process, **Keith Covington** was selected as our new Water Department Supervisor. Keith has been an Operator in the Water Department since 2022. He has a Class I Water Operator's license, holds a Bachelor of Business Administration from University of Memphis, and was a Sergeant in the US Marines.

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

- Dylan Schweickert Water Operator, Class 1 started in December 2023 as Water Operator Trainee and has a Bachelor of Science degree in Biotechnology from James Madison University.
- Simon Troupe Water Operator, Class 2 started in 2024 as Water Operator Trainee and has a Master of Public Health degree from Liberty University.

Drinking Water Week



During *Drinking Water Week*, May 4 - 10, 2025, we celebrate the dedicated individuals who support our drinking water and recognize the essential role water plays in our daily lives. Our professional staff work tirelessly 24/7/365 to ensure we have an adequate quantity of high-quality drinking water.

STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION

"Career Day" at Woodbrook Elementary

On April 11th, Westley Kern, Outreach and Communications Coordinator, Dennis Barbieri, Class One Wastewater Operator, and Travis Granger, Water Operator Trainee participated in "Career Day" at Woodbrook Elementary School. Westley, Dennis, and Travis shared career information with 250 elementary students in grades $3^{rd} - 5^{th}$.



UVA Student Tours

On March 31st, Brian Haney, Wastewater Department Manager and staff provided a tour of Moores Creek AWRRF for UVA Engineering students. The tour group was able to learn more about our wastewater treatment process.



On March 27th, Cary Wingo, Water Department Assistant Manager and staff provided a tour of Observatory WTP for UVA Clean Water Group students. The tour group was able to learn more about our water treatment process.



STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE

Federal Grants Update

FEMA Award – Hurricane Helene

We were awarded \$8,528 by FEMA for temporary repairs to stabilize the embankment supporting the Stillhouse waterline in Ivy Creek which was damaged by Hurricane Helene last fall. An application totaling \$350k has been submitted to FEMA for permanent repairs to the Stillhouse embankment and the Mechums River pipe also damaged by the hurricane.



Crozet WTP GAC:	\$1 M recently awarded has been frozen, \$6 M in prior awards proceeding
<u>SRR – RMR Pipeline</u> :	\$50 M application; Building Resilient Infrastructure and Communities program canceled
<u>Beaver Creek Dam</u> :	\$1 M for design has been frozen: will submit \$20 M construction grant application in July
Summary:	From \$10 M awarded, projects utilizing \$8 M in grants are proceeding



Legislation from the General Assembly

- 1. HB 2749, SB 1408 Department of Health; waterworks; mandatory reporting of anomalies; negligence: The bill requires waterworks owners to report certain events to VDH within *2 hours* of discovery. *APPROVED*
- 2. HB 2660; Subdivision Ordinance expedited timeframes for private development review approvals by local governments. *APPROVED*
- 3. HB 1618 Commissioner of Health; work group to study the occurrence of microplastics in the Commonwealth's public drinking water; report. *FAILED*
- 4. SB 1319 Department of Environmental Quality; industrial wastewater; publicly owned treatment works; PFAS monitoring. Directs the DEQ to require quarterly monitoring for one year for per- and polyfluoroalkyl substances (PFAS) for every industrial wastewater source that discharges pollutants into a publicly owned treatment works. *VETOED*
- 5. HB 2482 Virginia Public Procurement Act; competitive sealed bidding; required criteria in invitations to bid for certain construction projects. The bill provides that nontransportation-related construction projects in excess of \$250,000 shall require at least 12.5 percent of total labor hours of any required construction be performed by individuals registered with and enrolled in approved apprenticeship programs. *VETOED*

Regional Water Supply Planning Committee

~ Greene, Louisa, Fluvanna, Buckingham, Albemarle, Charlottesville, ACSA, RWSA, TJPDC~

The initial meeting of the "Middle James 1" Regional Planning Unit was held in March at the Albemarle County Office Building. Representatives from the member Counties, City, Towns and Authorities were present along with the TJPDC. DEQ staff presented an overview of the Regional Water Supply Planning history and regulations and shared the recommended sequence of plan development as well as the resources that will be made available in the Summer of 2025. The RPU specifically discussed future quarterly meetings, the selection of TJPDC as the RPU Water Supply Plan facilitator and application for initial grant funding offered by DEQ.

Construction Bid Openings in May

- 1. Central Water Line
- 2. South Rivanna Water Treatment Plant Powdered Activated Carbon Storage Silo and Feed System Replacement
- 3. Clearing to Raise Pool Level Ragged Mountain Reservoir



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: LONNIE WOOD, DIRECTOR OF FINANCE AND INFORMATION TECHNOLOGY

REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: FEBRUARY MONTHLY FINANCIAL SUMMARY – FY 2025

DATE: APRIL 22, 2025

Financial Snapshot

The Authority's operating revenues for the first eight months of this fiscal year are \$727,400 more than the prorated annual budget estimates, and operating expenses are \$1,056,100 over the prorated budget, resulting in an operating deficit of \$331,700. Urban Water flows and operating rate revenue through February are 1.8% over budget estimates. Urban Wastewater flows and operating rate revenue are 6.1% over budget.

Total operating and debt service revenues are \$744,700 more than budget estimates, and total operating and debt service expenses are \$1,060,700 over budget, resulting in an overall deficit of \$315,400 through February. Revenues and expenses are summarized in the table below:

	Urban Water	Urban Wastewater	Total Other Rate Centers	Total Authority
Operations				
Revenues	\$ 7,905,351	\$ 8,343,989	\$ 2,110,850	\$ 18,360,190
Expenses	(8,618,103)	(7,860,319)	(2,213,463)	(18,691,885)
Surplus (deficit)	\$ (712,752)	\$ 483,670	\$ (102,613)	\$ (331,695)
Debt Service				
Revenues	\$ 9,017,794	\$ 7,494,743	\$ 2,000,154	\$ 18,512,691
Expenses	(9,023,024)	(7,470,913)	(2,002,471)	(18,496,408)
Surplus (deficit)	\$ (5,230)	\$ 23,830	\$ (2,317)	\$ 16,283
Total				
Revenues	\$ 16,923,145	\$ 15,838,732	\$ 4,111,004	\$ 36,872,881
Expenses	(17,641,127)	(15,331,232)	(4,215,934)	(37,188,293)
Surplus (deficit)	\$ (717,982)	\$ 507,500	\$ (104,930)	\$ (315,412)

A more detailed financial analysis is in the following monthly report and reviews more closely actual financial performance compared to budgeted estimates. There are comments listed that will reference the applicable line items in the financial statement for each rate center and each support

department in the following pages. Please refer to the Budget vs Actual financial statements when reviewing these comments.

Detailed Financials

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

- A. Annual and Quarterly Transactions Some revenues and expenses exceed the prorated annual budget due to up-front annual receipts of revenue and quarterly or annual payments of expenses. These transactions appear to significantly impact the budget vs. actual monthly comparisons, but they usually even out as the year progresses. Septage receiving support revenue of \$109,440 is billed to the County annually in July. Annual payments are made at the beginning of the fiscal year for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual \$175,000 payment to UVA for the Observatory lease is made in August. Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (most departments pages 2-12) Urban Water and Urban Wastewater salaries are higher than budgeted due to various changes in operations. Urban Wastewater salaries are also higher due to "leave" payout upon wastewater manager's retirement. The prorated budget amounts through February are calculated as 8/12 (or 66.7%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 18 out of 26 total pay periods through February (or 69.2%). This affects the comparison of budget vs. actual payroll costs. Urban Wastewater has incurred \$7500 in unbudgeted costs for uniforms and leadership training.
- C. Professional Services (Urban Water, Crozet Water, Scottsville Wastewater, Administration, Finance pages 2, 3, 7, 8, 9) Urban Water has incurred \$27,800 in unbudgeted legal fees and \$98,000 in unbudgeted engineering and technical services for sedimentation issues at Glenmore, UVA water quality and the Sugar Hollow raw water line break. Scottsville Wastewater has exceeded the annual budget for engineering and technical services by \$33,600 for a needs assessment. Crozet Water is currently \$16,400 over the prorated budget for tank inspections and dam engineering services. The Administration department is \$20,900 over the prorated budget for compensation study costs but still has \$30,000 left in the annual budget for professional services. The Finance department is \$15,800 over the prorated budget on energy cost control expenses and legal fees and \$1800 over the annual budget.
- D. Other Services & Charges (Urban Water– page 2) Urban Water is currently \$15,000 over the prorated budget in this category for watershed management costs.
- E. Operations & Maintenance (Urban Water, Crozet Water, Glenmore Wastewater pages 2, 3, 6) Crozet Water is \$57,600 over the prorated budget in this category due two GAC exchanges. Urban Water is currently \$719,000 over the prorated budget due to GAC exchanges and pipeline and appurtenances costs. Glenmore Wastewater is \$35,000 over budget for equipment repair and replacement costs.
- F. Communication Data & Voice (Urban Water, Scottsville Water, Glenmore Wastewater page 2) Telephone and data services were inadvertently underbudgeted.
- G. Information Technology (Finance/IT page 9) The Finance/IT department has exceeded the prorated budget in this category due to annual software license renewals.

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

<u>Consolidated</u> <u>Revenues and Expenses Summary</u>			Budget FY 2025	Y	Budget ear-to-Date	Y	Actual ear-to-Date	N	Budget vs. Actual	Variance Percentage
Operating Budget vs. Actual										
	Notes									
Revenues		¢	25 522 065	¢	17 000 640	¢	17 610 111	¢	E07 407	2 450/
Operations Rate Revenue Lease Revenue		\$	25,533,965 120,000	\$	17,022,643 80,000	\$	17,610,141 95,831	\$	587,497 15,831	3.45% 19.79%
Admin., Finance/IT, Maint. & Engineering Revenu	le		905,200		603,467		628,777		25,310	4.19%
Other Revenues			667,768		445,179		481,456		36,277	8.15%
Use of Reserves (Water Resources Fund) Interest Allocation			- 165,400		- 110,267		- 172,763		- 62,496	56.68%
Total Operating Revenues		\$	27,392,333	\$	18,261,555	\$	18,988,967	\$	727,412	3.98%
Expenses										
	A, B	\$	12,816,065	\$	8,544,043	\$, ,	\$	(309,443)	-3.62%
Professional Services Other Services & Charges	C D		492,650 4,371,588		328,433 2,914,392		581,599 2,899,843		(253,165) 14,549	-77.08% 0.50%
Communication	F		244,950		163,300		2,899,843		(43,800)	-26.82%
Information Technology	G		1,470,050		980,033		968,921		11,112	1.13%
Supplies			51,200		34,133		34,400		(267)	-0.78%
•	A, E		6,698,884		4,465,923		4,962,494		(496,571)	-11.12%
Equipment Purchases			316,950		211,300		192,818		18,482	8.75%
Depreciation		¢	930,000 27,392,337	\$	620,000	¢	620,000	\$	-	0.00% - 5.80%
Total Operating Expenses Operating Surplus/(Deficit)		<u>\$</u> \$	27,392,337		<u>18,261,558</u> (3)	\$ ¢	<u>19,320,661</u> (331,694)	Þ	(1,059,103)	-5.80%
		Ψ	(+)	Ψ	(0)	Ψ	(001,004)	1		
Debt Service Budget vs. Actual										
Revenues										
Revenues Debt Service Rate Revenue		\$	25,612,554	\$	17,075,036	\$	17,075,040	\$	4	0.00%
Revenues Debt Service Rate Revenue Septage Receiving Support - County		\$	109,440	\$	72,960	\$	109,440	\$	36,480	50.00%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue		\$	109,440 10,000	\$	72,960 6,667	\$	109,440 12,742	\$	36,480 6,075	50.00% 91.12%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest		\$	109,440 10,000 430,300	\$	72,960 6,667 286,867	\$	109,440 12,742 260,037	\$	36,480 6,075 (26,829)	50.00% 91.12% -9.35%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue		\$	109,440 10,000		72,960 6,667		109,440 12,742		36,480 6,075	50.00% 91.12%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest <i>Total Debt Service Revenues</i>		\$	109,440 10,000 430,300 1,580,800		72,960 6,667 286,867 1,053,867		109,440 12,742 260,037 1,055,432		36,480 6,075 (26,829) 1,565	50.00% 91.12% -9.35% 0.15%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest <i>Total Debt Service Revenues</i> Debt Service Costs		\$	109,440 10,000 430,300 1,580,800 27,743,094	\$	72,960 6,667 286,867 1,053,867 18,495,396	\$	109,440 12,742 260,037 1,055,432 18,512,691	\$	36,480 6,075 (26,829) 1,565 17,295	50.00% 91.12% -9.35% 0.15% 0.09%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest <i>Total Debt Service Revenues</i> Debt Service Costs Total Principal & Interest		\$ \$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506	\$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337	\$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510	\$	36,480 6,075 (26,829) 1,565 17,295 (1,989,173)	50.00% 91.12% -9.35% 0.15% 0.09%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest <i>Total Debt Service Revenues</i> Debt Service Costs		\$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506 1,580,800	\$	72,960 6,667 286,867 1,053,867 18,495,396	\$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432	\$	36,480 6,075 (26,829) 1,565 17,295	50.00% 91.12% -9.35% 0.15% 0.09%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest		\$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506	\$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867	\$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510	\$	36,480 6,075 (26,829) 1,565 17,295 (1,989,173)	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest Debt Service Ratio Charge		\$ \$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506 1,580,800 725,000 9,271,960 27,742,266	\$ \$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307 18,494,844	\$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134 18,496,409	\$	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565)	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest Debt Service Ratio Charge Reserve Additions-CIP Growth		\$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506 1,580,800 725,000 9,271,960	\$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307	\$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134	\$	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565) - 1,989,173	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00% 32.18%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Reserve Additions-Interest Debt Service Ratio Charge Reserve Additions-CIP Growth Total Debt Service Costs		\$ \$	109,440 10,000 430,300 1,580,800 27,743,094 16,164,506 1,580,800 725,000 9,271,960 27,742,266	\$ \$ \$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307 18,494,844	\$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134 18,496,409	\$	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565) - 1,989,173	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00% 32.18%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest Debt Service Ratio Charge Reserve Additions-CIP Growth Total Debt Service Costs Debt Service Surplus/(Deficit)		\$ \$ \$	109,440 10,000 430,300 27,743,094 16,164,506 1,580,800 725,000 9,271,960 27,742,266 828 Summar	\$ \$ \$ y	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307 18,494,844 552	\$ \$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134 18,496,409 16,281	\$ \$;	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565) - 1,989,173 (1,565)	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00% 32.18% -0.01%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest Debt Service Ratio Charge Reserve Additions-CIP Growth Total Debt Service Costs Debt Service Surplus/(Deficit)		\$ \$	109,440 10,000 430,300 27,743,094 16,164,506 1,580,800 725,000 9,271,960 27,742,266 828 Summar 55,135,427	\$ \$ \$ y	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307 18,494,844 552 36,756,951	\$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134 18,496,409 16,281 37,501,658	\$ \$;	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565) - 1,989,173 (1,565)	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00% 32.18% -0.01% 2.03%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Buck Mountain Lease Revenue Trust Fund Interest Reserve Fund Interest Total Debt Service Revenues Debt Service Costs Total Principal & Interest Reserve Additions-Interest Debt Service Ratio Charge Reserve Additions-CIP Growth Total Debt Service Costs Debt Service Surplus/(Deficit)		\$ \$ \$	109,440 10,000 430,300 27,743,094 16,164,506 1,580,800 725,000 9,271,960 27,742,266 828 Summar	\$ \$ \$ y \$	72,960 6,667 286,867 1,053,867 18,495,396 10,776,337 1,053,867 483,333 6,181,307 18,494,844 552	\$ \$ \$	109,440 12,742 260,037 1,055,432 18,512,691 12,765,510 1,055,432 483,333 4,192,134 18,496,409 16,281	\$ \$;	36,480 6,075 (26,829) 1,565 17,295 (1,989,173) (1,565) - 1,989,173 (1,565)	50.00% 91.12% -9.35% 0.15% 0.09% -18.46% -0.15% 0.00% 32.18% -0.01%

<u>Urban Water Rate Center</u> Revenues and Expenses Summary			Budget FY 2025	Ŷ	Budget 'ear-to-Date	Y	Actual ⁄ear-to-Date		Budget vs. Actual	Variance Percentage
Operating Budget vs. Actual										
Payanuaa	Notes									
Revenues Operations Rate Revenue		\$	11,425,341	\$	7,616,894	\$	7,754,658	¢	137,764	1.81%
Lease Revenue		Ψ	90,000	Ψ	60,000	Ψ	73,325	Ψ	13,325	22.21%
Miscellaneous			-		-		2,735		2,735	
Use of Reserves (Water Resources Fund)			-		-				-	
Interest Allocation		-	71,500	*	47,667	*	74,634	*	26,967	56.57%
Total Operating Revenues		\$	11,586,841	\$	7,724,561	\$	7,905,351	\$	180,791	2.34%
Expenses										
Personnel Cost	В	\$	2,570,828	\$	1,713,885	\$	1,865,653	\$	(151,768)	-8.86%
Professional Services	C		177,000		118,000		306,597		(188,597)	-159.83%
Other Services & Charges	D F		1,076,746		717,831		732,847		(15,016)	-2.09%
Communications Information Technology	r		89,700 109.400		59,800 72,933		76,456 36,332		(16,656) 36,601	-27.85% 50.18%
Supplies			7,900		5,267		6,958		(1,692)	-32.12%
Operations & Maintenance	A, E		3,334,814		2,223,209		2,762,555		(539,346)	-24.26%
Equipment Purchases	,		23,300		15,533		19,625		(4,091)	-26.34%
Depreciation			300,000		200,000		200,000		-	0.00%
Subtotal Before Allocations		\$	7,689,688	\$	5,126,459	\$	6,007,025	\$	(880,566)	-17.18%
Allocation of Support Departments		_	3,897,153	^	2,613,429	^	2,611,078	<u>_</u>	2,351	0.09%
Total Operating Expenses		\$	11,586,841	\$	7,739,888	\$	8,618,103	\$	(878,215)	-11.35%
Operating Surplus/(Deficit)		\$	0	\$	(15,327)	\$	(712,751)			
Revenues Debt Service Rate Revenue Trust Fund Interest Reserve Fund Interest		\$	12,593,874 185,000 744,800	\$	8,395,916 123,333 496,533	\$	8,395,920 112,024 497,108	\$	4 (11,309) 575	0.00% -9.17% 0.12%
Lease Revenue			10,000		6,667		12,742		6,075	91.12%
Total Debt Service Revenues		\$	13,533,674	\$	9,022,449	\$	9,017,794	\$	(4,655)	-0.05%
Debt Service Costs										
Total Principal & Interest		\$	7,078,274	\$	4,718,849	\$	5,462,800	\$	(743,951)	-15.77%
Reserve Additions-Interest		Ŧ	744,800	Ŧ	496,533	Ŧ	497,108	Ŧ	(575)	-0.12%
Debt Service Ratio Charge			400,000		266,667		266,667		-	0.00%
Est. New Debt Service - CIP Growth			5,310,600		3,540,400		2,796,449		743,951	21.01%
Total Debt Service Costs		\$	13,533,674	\$ \$	9,022,449	\$ \$	9,023,024	\$	(575)	-0.01%
Debt Service Surplus/(Deficit)		Þ	-	þ	-	Þ	(5,230)			
		Ra	te Center S	Sur	mmary					
Total Revenues		\$	25,120,515	\$	16,747,010	\$	16,923,146	\$	176,136	1.05%
Total Expenses			25,120,515		16,762,337		17,641,127		(878,790)	-5.24%
Surplus/(Deficit)		\$	0	\$	(15,327)	\$	(717,982)			
Costs per 1000 Gallons Operating and DS		\$ \$	3.41 7.39			\$ \$	3.74 7.65			
Thousand Gallons Treated			3,397,700		2,265,133		2,305,876		40,743	1.80%
or Flow (MGD)			9.309				9.489			

<u>Crozet Water Rate Center</u> Revenues and Expenses Summary			Budget FY 2025	Ye	Budget ear-to-Date		Actual ear-to-Date		Budget 5. Actual	Variance Percentage
Operating Budget vs. Actual										
Revenues	Notes									
Operations Rate Revenue		\$	1.420.644	\$	947,096	\$	947,096	\$	_	0.00%
Lease Revenues		Ψ	30,000	Ψ	20,000	Ψ	22,505	Ψ	2,505	12.53%
Interest Allocation			8,900		5,933		9,329		3,396	57.23%
Total Operating Revenues		\$	1,459,544	\$	973,029	\$	978,931	\$	5,901	0.61%
			.,,	Ŧ		•	,	Ŧ	-,	
Expenses	-	¢	205 400	¢	040 640	¢	200,002	¢	(47 405)	7.050/
Personnel Cost Professional Services	B C	\$	365,428 22,900	\$	243,618	Ф	260,803	\$	(17,185)	7.05%- 107.71%-
Other Services & Charges	C		163,107		15,267 108,738		31,710 100,622		(16,443) 8,116	-107.71% 7.46%
Communications			19,000		12,667		11,911		756	5.97%
Information Technology			35,000		23,333		8,219		15,115	64.78%
Supplies			1,600		23,333		2,007		(941)	-88.18%
Operations & Maintenance	Е		426,600		284,400		327,224		(42,824)	-15.06%
Equipment Purchases	-		3,300		2,200		2,526		(326)	-14.80%
Depreciation			60,000		40,000		40,000		(020)	0.00%
Subtotal Before Allocations		\$	1,096,935	\$	731,290	\$	785,022	\$	(53,732)	-7.35%
Allocation of Support Departments		Ψ	362,608	Ψ	243,132	Ψ	243,685	Ψ	(553)	-0.23%
Total Operating Expenses		\$	1.459.543	\$	974.421	\$	1,028,707	\$	(54,285)	-5.57%
Operating Surplus/(Deficit)		\$	1	\$	(1,392)		(49,776)	Ŧ	(0.1,200)	0.0170
Revenues Debt Service Rate Revenue Trust Fund Interest		\$	2,590,368 32,400	\$	1,726,912 21,600	\$	1,726,912 19,581	\$	(2,019)	0.00% -9.35%
Reserve Fund Interest		-	93,800	_	62,533		62,270	•	(263)	-0.42%
Total Debt Service Revenues		\$	2,716,568	\$	1,811,045	\$	1,808,763	\$	(2,282)	-0.13%
Debt Service Costs										
Total Principal & Interest		\$	1,131,172	\$	754,115	\$	754,115	\$	-	0.00%
Reserve Additions-Interest		+	93,800	+	62,533	Ŧ	62,270	Ŧ	263	0.42%
Estimated New Principal & Interest			1,491,600		994,400		994,400		-	0.00%
Total Debt Service Costs		\$	2,716,572	\$	1,811,048	\$	1,810,785	\$	263	0.01%
Debt Service Surplus/(Deficit)		\$	(4)	\$	(3)	\$	(2,022)	:		
	F	Rate	Center Su	mm	arv					
Total Revenues		\$	4,176,112	\$	2,784,075	\$	2,787,694	\$	3,619	0.13%
Total Expenses			4,176,115		2,785,469		2,839,492		(54,022)	-1.94%
Surplus/(Deficit)		\$	(3)	\$	(1,395)	\$	(51,798)			
Conto non 1000 Collans		۴	7.00			¢	C 40			
Costs per 1000 Gallons Operating and DS		\$ \$	7.20 20.60			\$ \$	6.49 17.90			
		Ŧ				Ŧ				
Thousand Gallons Treated			202,697		135,131		158,600		23,469	17.37%
Flow (MGD)			0.555				0.653			

		n								
Scottsville Water Rate Center			Budget		Budget		Actual		Budget	Variance
Revenues and Expenses Summary			FY 2025	Ye	ar-to-Date	Ye	ar-to-Date	v	rs. Actual	Percentage
Operating Budget vs. Actual										
	Notes									
Revenues										
Operations Rate Revenue		\$	741,984	\$	494,656	\$	494,656	\$	-	0.00%
Interest Allocation			4,600		3,067		4,837		1,771	57.74%
Total Operating Revenues		\$	746,584	\$	497,723	\$	499,493	\$	1,771	0.36%
Expenses										
Personnel Cost		\$	239,452	\$	159,635	\$	162,618	\$	(2,983)	-1.87%
Professional Services			5,000		3,333		7,423		(4,089)	-122.68%
Other Services & Charges			68,490		45,660		38,437		7,223	15.82%
Communications	F		7,000		4,667		15,433		(10,766)	-230.70%
Information Technology			13,400		8,933		18,163		(9,229)	-103.31%
Supplies			200		133		1,779		(1,645)	-1234.07%
Operations & Maintenance			154,600		103,067		78,024		25,043	24.30%
Equipment Purchases			2,200		1,467		2,153		(686)	-46.80%
Depreciation			40,000		26,667		26,667		0	0.00%
Subtotal Before Allocations		\$	530,342	\$	353,562	\$	350,695	\$	2,866	0.81%
Allocation of Support Departments			216,247	•	144,861		145,456	•	(594)	-0.41%
Total Operating Expenses		\$	746,589	\$	498,423	\$	496,151	\$	2,272	0.46%
Operating Surplus/(Deficit)		\$	(5)		(700)	\$	3,343		,	
Debt Service Budget vs. Actual Revenues										
Debt Service Rate Revenue		\$	190,416	\$	126,944	\$	126,944	\$	-	0.00%
Trust Fund Interest			4,000		2,667		2,392		(274)	-10.29%
Reserve Fund Interest			7,000		4,667		5,277		611	13.08%
Total Debt Service Revenues		\$	201,416	\$	134,277	\$	134,614	\$	336	0.25%
Debt Service Costs										
Total Principal & Interest		\$	148,815	\$	99,210	\$	99,210	\$	-	0.00%
Reserve Additions-Interest		Ŷ	7,000	Ŧ	4,667	Ŷ	5,277	Ŧ	(611)	-13.08%
Estimated New Principal & Interest			45,600		30,400		30,400		(0.1)	0.00%
Total Debt Service Costs		\$	201,415	\$	134.277	\$	134,887	\$	(611)	-0.45%
Debt Service Surplus/(Deficit)		\$	1	\$	1	\$	(274)			
	F	Rate	Center Su	ımn	nary					
Total Revenues		\$	948,000	\$	632,000	\$	634,107	\$	2,107	0.33%
Total Expenses			948,004		632,700		631,038		1,662	0.26%
Surplus/(Deficit)		\$	(4)	\$	(700)	¢	3,069	-		
ou plas (Denoit)		Ψ	(+)	Ψ	(100)	Ψ	3,003	=		
Costs per 1000 Gallons		\$	43.33			\$	39.91			
Operating and DS		\$	55.02			\$	50.76			
		¥	50.0L			Ŷ	55.70			
Thousand Gallons Treated			17,230		11,487		12,431		944	8.22%
or			,		,		,		0.17	0.22
Flow (MGD)			0.047				0.051			

<u>Urban Wastewater Rate Center</u> Revenues and Expenses Summary			Budget FY 2025	Ŷ	Budget ear-to-Date	Y	Actual ear-to-Date		Budget vs. Actual	Variance Percentage
Operating Budget vs. Actual										
Revenues	Notes									
Operations Rate Revenue		\$	11,007,464	\$	7,338,309	\$	7,788,043	\$	449,734	6.13%
Stone Robinson WWTP		Ψ	17,768	Ψ	11,845	Ψ	9,276	Ψ	(2,569)	-21.69%
Septage Acceptance			600,000		400,000		360,640		(39,360)	-9.84%
Nutrient Credits			50,000		33,333		108,805		75,471	226.41%
Miscellaneous Revenue			-		-		-		-	50 5400
Interest Allocation		\$	74,000 11,749,232	\$	49,333 7,832,821	\$	77,225 8,343,989	\$	27,892	<u>56.54%</u> 6.53%
Total Operating Revenues		Þ	11,749,232	φ	7,032,021	φ	0,343,909	φ	511,168	0.53%
Expenses										
Personnel Cost	А, В	\$	1,615,345	\$	1,076,897	\$	1,144,076	\$	(67,179)	-6.24%
Professional Services			35,000		23,333		24,979		(1,646)	-7.05%
Other Services & Charges Communications			2,721,750 14,800		1,814,500 9,867		1,801,327 10,754		13,173 (888)	0.73% -9.00%
Information Technology			95,500		9,807 63,667		50,991		(000) 12,676	-9.00%
Supplies			2,600		1,733		961		773	44.57%
Operations & Maintenance			2,190,500		1,460,333		1,409,297		51,036	3.49%
Equipment Purchases			73,500		49,000		49,000		-	0.00%
Depreciation			470,000		313,333		313,333		(0)	0.00%
Subtotal Before Allocations		\$	7,218,995	\$	4,812,664	\$	4,804,719	\$	7,945	0.17%
Allocation of Support Departments		_	4,530,238	*	3,036,879	•	3,055,601	•	(18,722)	-0.62%
Total Operating Expenses Operating Surplus/(Deficit)		\$ \$	<u>11,749,233</u> (1)	\$ \$	7,849,542 (16,721)	\$ \$	7,860,319 483,670	\$	(10,777)	-0.14%
Revenues Debt Service Rate Revenue Septage Receiving Support - County Trust Fund Interest Reserve Fund Interest <i>Total Debt Service Revenues</i> Debt Service Costs		\$ \$	10,156,560 109,440 208,200 731,800 11,206,000	\$ \$	6,771,040 72,960 138,800 487,867 7,470,667	\$ \$	6,771,040 109,440 125,598 488,665 7,494,743	\$ \$	36,480 (13,202) 798 24,076	0.00% 50.00% -9.51% 0.16% 0.32%
Total Principal & Interest		\$	7,780,072	\$	5,186,715	\$	6,431,937	\$	(1,245,222)	-24.01%
Reserve Additions-Interest			731,800		487,867		488,665		(798)	-0.16%
Debt Service Ratio Charge			325,000		216,667		216,667		-	0.00%
Est. New Debt Service - CIP Growth		•	2,368,300	•	1,578,867	*	333,645	*	1,245,222	78.87%
Total Debt Service Costs Debt Service Surplus/(Deficit)		\$	<u>11,205,172</u> 828	\$ \$	7,470,115 552	\$ \$	7,470,913 23,830	\$	(798)	-0.01%
		-	010	¥		Ÿ	10,000	=		
		Ra	te Center S	um	mary					
Total Revenues		\$	22,955,232	\$	15,303,488	\$	15,838,732	\$	535,244	3.50%
Total Expenses			22,954,405		15,319,657		15,331,232	-	(11,575)	-0.08%
Surplus/(Deficit)		\$	827	\$	(16,169)	\$	507,500	-		
Costs per 1000 Gallons Operating and DS		\$ \$	3.47 6.77			\$ \$	3.28 6.39			
Thousand Gallons Treated			3,390,400		2,260,267		2,398,535		138,268	6.12%
or										

<u>Glenmore Wastewater Rate Center</u> Revenues and Expenses Summary			Budget FY 2025		Budget ear-to-Date		Actual ear-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual										
_	Notes									
Revenues										
Operations Rate Revenue		\$	533,112	\$,	\$	355,408	\$	-	0.00%
Interest Allocation		_	3,700	_	2,467		3,801		1,334	54.09%
Total Operating Revenues		\$	536,812	\$	357,875	\$	359,209	\$	1,334	0.37%
Expenses										
Personnel Cost		\$	133,566	\$	89,044	\$	95,005	\$	(5,962)	-6.70%
Professional Services			10,000		6,667		597		6,070	91.05%
Other Services & Charges			41,840		27,893		30,699		(2,806)	-10.06%
Communications	F		3,700		2,467		13,404		(10,937)	-443.39%
Information Technology Supplies			14,350 -		9,567		429		9,138	95.52%
Operations & Maintenance	Е		130,600		87,067		116,111		(29,044)	-33.36%
Equipment Purchases			3,500		2,333		2,333		(0)	0.00%
Depreciation			40,000		26,667		26,667		0	0.00%
Subtotal Before Allocations		\$	377,556	\$	251,704	\$	285,245	\$	(33,541)	-13.33%
Allocation of Support Departments			159,262		106,523		105,856		667	0.63%
Total Operating Expenses		\$	536,818	\$	358,227	\$	391,101	\$	(32,874)	-9.18%
Operating Surplus/(Deficit)		\$	(6)	\$	(352)	\$	(31,892)			
Revenues Debt Service Rate Revenue Trust Fund Interest Reserve Fund Interest		\$	48,780 500	\$	32,520 333	\$	32,520 312	\$	- (21)	0.00% -6.39%
Total Debt Service Revenues		\$	49,280	\$	32,853	\$	32,832	\$	(21)	-0.06%
		<u> </u>	.0,200	Ŧ	01,000	¥	02,002	¥	(= ·)	010070
Debt Service Costs										
Total Principal & Interest		\$	18,720	\$	12,480	\$	12,480	\$	-	0.00%
Estimated New Principal & Interest			30,560		20,373		20,373		-	0.00%
Reserve Additions-Interest			-		-		-		-	
Total Debt Service Costs		\$ \$	49,280	\$	32,853	\$	32,853	\$	-	0.00%
Debt Service Surplus/(Deficit)		\$	-	\$	-	\$	(21)			
	F	Rate	Center Su	mm	ary					
Total Revenues		\$	586,092	\$	390,728	\$	392,041	\$	1,313	0.34%
Total Expenses			586,098		391,080		423,954		(32,874)	-8.41%
Surplus/(Deficit)		\$	(6)	\$	(352)	\$	(31,913)			
Costs per 1000 Gallons		\$	12.97			\$	13.04			
Operating and DS		э \$	12.97			э \$	13.04			
		Ψ	17.10			Ψ	17.10			
Thousand Gallons Treated or			41,401		27,601		30,000		2,399	8.69%

Flow (MGD)

		-								
<u>Scottsville Wastewater Rate Center</u> Revenues and Expenses Summary			Budget FY 2025		Budget ear-to-Date		Actual ar-to-Date	v	Budget /s. Actual	Variance Percentage
Operating Budget vs. Actual										
	Notes									
Revenues										
Operations Rate Revenue		\$	405,420	\$	270,280	\$	270,280	\$	-	0.00%
Interest Allocation			2,700		1,800		2,937		1,137	63.16%
Total Operating Revenues		\$	408,120	\$	272,080	\$	273,217	\$	1,137	0.42%
Expenses										
Personnel Cost		\$	133,636	\$	89,090	\$	95,006	\$	(5,915)	-6.64%
Professional Services	С		5,000		3,333		38,642		(35,309)	-1059.26%
Other Services & Charges			33,400		22,267		21,397		870	3.91%
Communications			3,650		2,433		440		1,993	81.91%
Information Technology			15,150		10,100		429		9,671	95.76%
Supplies			-		-		-		-	
Operations & Maintenance			44,500		29,667		26,815		2,852	9.61%
Equipment Purchases			3,500		2,333		2,333		(0)	0.00%
Depreciation			20,000		13,333		13,333		(0)	0.00%
Subtotal Before Allocations		\$	258,836	\$	172,557	\$	198,395	\$	(25,838)	-14.97%
Allocation of Support Departments			149,278		99,867		99,109		758	0.76%
Total Operating Expenses		\$	408,114	\$	272,424	\$	297,504	\$	(25,080)	-9.21%
Operating Surplus/(Deficit)		\$	6	\$	(344)	\$	(24,287)	_		
Revenues Debt Service Rate Revenue Trust Fund Interest Reserve Fund Interest		\$	32,556 200 3,400	\$	21,704 133 2,267	\$	21,704 130 2,111		- (3) (156)	0.00% -2.48% -6.88%
Total Debt Service Revenues		\$	36,156	\$	24,104	\$	23,945	\$	(159)	-0.66%
Debt Service Costs										
Total Principal & Interest		\$	7,453	\$	4,969	\$	4,969	\$	-	0.00%
Reserve Additions-Interest			3,400		2,267		2,111		156	6.88%
Estimated New Principal & Interest		-	25,300	•	16,867	•	16,867	•	-	0.00%
Total Debt Service Costs		\$	<u>36,153</u> 3	\$ \$	24,102	\$ \$	23,946	\$	156	0.65%
Debt Service Surplus/(Deficit)		φ	3	φ	2	φ	(1)	=		
		Rate	Center S	umr	nary					
- /		•		•	000 404	•	007 400	•	070	0.000
Total Revenues		\$	444,276	\$	296,184	\$	297,162	\$	978	0.33%
Total Expenses			444,267		296,526		321,450	-	(24,924)	-8.41%
Surplus/(Deficit)		\$	9	\$	(342)	\$	(24,288)	=		
Conto nov 4000 College		¢	47.00			¢	00.04			
Costs per 1000 Gallons		\$	17.26			\$	22.01			
Operating and DS		\$	18.79			\$	23.78			
Thousand Gallons Treated or			23,643		15,762		13,517		(2,245)	-14.24%

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Administration and Communication

Administration and Co	ommunication								
				Budget FY 2025	Ye	Budget ear-to-Date	Actual ear-to-Date	Budget s. Actual	Variance Percentage
Operating Budge	t vs. Actual		<u> </u>]
Revenues		Notes							
Payment for Services SWA Miscellaneous Revenue			\$	364,200	\$	242,800	\$ 242,800 6,083	\$ - 6,083	0.00%
	Total Operating Revenues		\$	364,200	\$	242,800	\$ 248,883	\$ 6,083	2.51%
Expenses									
Personnel Cost		А, В	\$	1,348,563	\$	899,042	\$ 948,074	\$ (49,032)	-5.45%
Professional Services		С		153,250		102,167	123,037	(20,870)	-20.43%
Other Services & Charges				161,100		107,400	103,806	3,594	3.35%
Communications				9,700		6,467	4,121	2,346	36.27%
Information Technology				5,000		3,333	4,353	(1,019)	-30.58%
Supplies				14,000		9,333	11,728	(2,395)	-25.66%
Operations & Maintenance				57,250		38,167	33,443	4,723	12.38%
Equipment Purchases Depreciation				9,000 -		6,000 -	6,000 -	-	0.00%
1	Total Operating Expenses		\$	1,757,863	\$	1,171,909	\$ 1,234,563	\$ (62,654)	-5.35%

Department Summary												
Net Costs Allocable to Rate Centers		\$	(1,393,663)	\$	(929,109)	\$	(985,680)	\$	56,571	-6.09		
Allocations to the Rate Centers												
Urban Water	44.00%	\$	613,212	\$	408,808	\$	433,699	\$	(24,891)			
Crozet Water	4.00%	\$	55,747		37,164		39,427		(2,263)			
Scottsville Water	2.00%	\$	27,873		18,582		19,714		(1,131)			
Urban Wastewater	48.00%	\$	668,958		445,972		473,127		(27,154)			
Glenmore Wastewater	1.00%	\$	13,937		9,291		9,857		(566)			
Scottsville Wastewater	1.00%	\$	13,937		9,291		9,857		(566)			
	100.00%	\$	1,393,663	\$	929,109	\$	985,680	\$	(56,571)			

Finance and Information Technology

Finance and Information Technology			Budget FY 2025		Ye	Budget Year-to-Date		Actual Year-to-Date		Budget s. Actual	Variance Percentage	
Operating Budge	t vs. Actual		<u>. </u>									
Revenues		Notes										
Payment for Services SWA Miscellaneous Revenue			\$	541,000 -	\$	360,667	\$	360,667 2,477	\$	0 2,477	0.00%	
	Total Operating Revenues		\$	541,000	\$	360,667	\$	363,144	\$	2,477	0.69%	
Expenses												
Personnel Cost		А, В	\$	2,083,478	\$	1,388,985	\$	1,465,867	\$	(76,881)	-5.54%	
Professional Services		C		42,000		28,000		43,754		(15,754)	-56.26%	
Other Services & Charges				46,000		30,667		40,361		(9,695)	-31.61%	
Communication				65,000		43,333		49,489		(6,156)	-14.21%	
Information Technology		G		962,850		641,900		769,937		(128,037)	-19.95%	
Supplies				14,500		9,667		6,132		3,535	36.57%	
Operations & Maintenance				5,000		38,167		5,417		32,750	85.81%	
Equipment Purchases Depreciation				7,500		5,000 -		5,000 -		-	0.00%	
P	Total Operating Expenses		\$	3,226,328	\$	2,185,719	\$	2,385,956	\$	(200,238)	-9.16%	

Department Summary										
Net Costs Allocable to Rate Centers		\$	(2,685,328)	\$	(1,825,052)	\$	(2,022,813)	\$	197,760	-10.84
Allocations to the Rate Centers										
Urban Water	44.00%	\$	1,181,544	\$	803,023	\$	890,038	\$	(87,015)	
Crozet Water	4.00%	\$	107,413		73,002		80,913		(7,910)	
Scottsville Water	2.00%	\$	53,707		36,501		40,456		(3,955)	
Urban Wastewater	48.00%	\$	1,288,957		876,025		970,950		(94,925)	
Glenmore Wastewater	1.00%	\$	26,853		18,251		20,228		(1,978)	
Scottsville Wastewater	1.00%	\$	26,853		18,251		20,228		(1,978)	
	100.00%	\$	2,685,328	\$	1,825,052	\$	2,022,813	\$	(197,760)	

Maintenance

laintenance			Budget FY 2025	Budget Year-to-Date	١	Actual 'ear-to-Date	Budget s. Actual	Variance Percentage
Operating Budget vs. Actual	Notes	<u> </u>						
evenues								
Payment for Services SWA		\$	-	\$ -	\$	-	\$ -	
Miscellaneous Revenue			-	 -		6,858	 6,858	
Total Operating Revenues		\$	-	\$ -	\$	6,858	\$ 6,858	
xpenses								
Personnel Cost	в	\$	1,645,860	\$ 1,097,240	\$	1,138,390	\$ (41,149)	-3.75%
Professional Services			10,000	6,667		-	6,667	100.00%
Other Services & Charges			29,140	19,427		22,849	(3,423)	-17.62%
Communications			16,200	10,800		14,316	(3,516)	-32.55%
Information Technology			7,500	5,000		2,914	2,086	41.71%
Supplies			3,500	2,333		-	2,333	100.00%
Operations & Maintenance			138,800	92,533		91,055	1,479	1.60%
Equipment Purchases			145,750	97,167		86,667	10,500	10.81%
Depreciation			-	-		-	-	
Total Operating Expenses		\$	1,996,750	\$ 1,331,167	\$	1,356,190	\$ (25,023)	-1.88%
Total Operating Expenses		\$	1,996,750 artment S	· ·	\$	1,356,190	\$ (25,023)	

Net Costs Allocable to Rate Centers		\$ (1,996,750)	\$ (1,331,167)	\$ (1,349,332)	\$ 31,881	-2
Allocations to the Rate Centers						
Urban Water	30.00%	\$ 599,025	\$ 399,350	\$ 404,800	\$ (5,449)	
Crozet Water	3.50%	69,886	46,591	47,227	(636)	
Scottsville Water	3.50%	69,886	46,591	47,227	(636)	
Urban Wastewater	56.50%	1,128,164	752,109	762,372	(10,263)	
Glenmore Wastewater	3.50%	69,886	46,591	47,227	(636)	
Scottsville Wastewater	3.00%	59,903	39,935	40,480	(545)	
	100.00%	\$ 1,996,750	\$ 1,331,167	\$ 1,349,332	\$ (18,165)	

Rivanna Water & Sewer Authority Monthly Financial Statements - February 2025

Glenmore Wastewater

Scottsville Wastewater

Laboratory

			Budget FY 2025		Budget ar-to-Date	Actual ar-to-Date	Budget s. Actual	Variance Percentage
Operating Budget vs. Actual		<u> </u>						
Revenues	Notes							
N/A								
Expenses								
Personnel Cost Professional Services		\$	463,225	\$	308,817	\$ 316,852 -	\$ (8,035)	-2.60%
Other Services & Charges			9,550		6,367	466	5,901	92.69%
Communications			1,050		700	469	231	33.07%
Information Technology			-		-	235	(235)	
Supplies			1,300		867	675	192	22.11%
Operations & Maintenance			133,600		89,067	73,439	15,628	17.55%
Equipment Purchases Depreciation			23,900		15,933	2,848	13,085	82.13%
Total Operating Exp	enses	\$	632,625	\$	421,750	\$ 394,983	\$ 26,768	6.35%
	Depa	rtme	ent Summ	ary	1			
Net Costs Allocable to Rate Centers		\$	(632,625)	\$	(421,750)	\$ (394,983)	\$ (26,768)	6.35%
Allocations to the Rate Centers								
Urban Water	44.00%	\$	278,355	\$	185,570	\$ 173,792	\$ 11,778	
Crozet Water	4.00%		25,305		16,870	15,799	1,071	
Scottsville Water	2.00%		12,653		8,435	7,900	535	
Urban Wastewater	47.00%		297,334		198,223	185,642	12,581	
	4 500/		A 44A				400	

9,489

9,489

632,625 \$

6,326

6,326

421,750 \$

5,925

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394,983 \$

402

402 26,768

1.50%

1.50%

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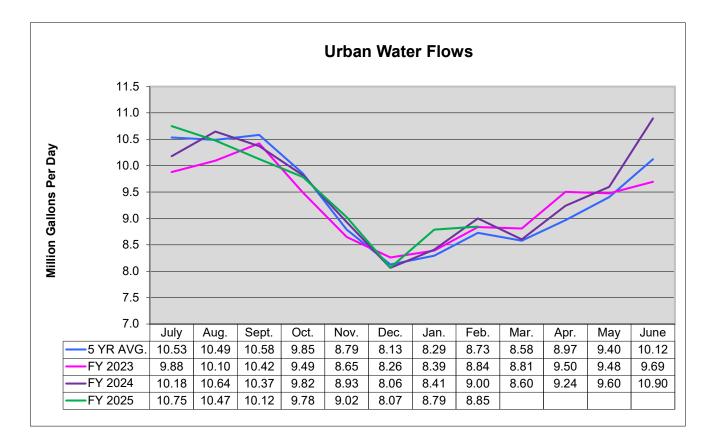
Engineering

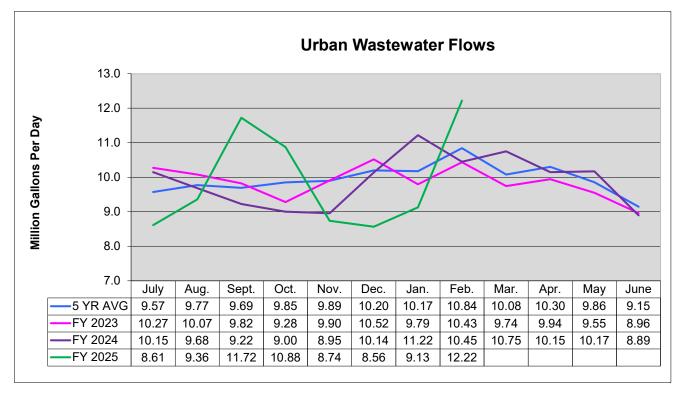
Rivanna Water & Sewer Authority Monthly Financial Statements - February 2025

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<u>Engineering</u>			Budget FY 2025	,	Budget Year-to-Date		Actual Year-to-Date		Budget s. Actual	Variance Percentage
Operating Budget vs. Actual										
	Notes									
Revenues		•		•		•	0.000	•	0.000	
Payment for Services SWA		\$ \$	-	\$ \$	-	\$ \$	9,892	\$ \$	9,892	
Total Operating Revenues		\$	-	\$	-	\$	9,892	\$	9,892	
Expenses										
Personnel Cost		\$	2,216,684	\$	1,477,789	\$	1,361,142	\$	116,647	7.89%
Professional Services			32,500		21,667		4,860		16,806	77.57%
Other Services & Charges			20,465		13,643		7,032		6,612	48.46%
Communications			15,150		10,100		10,307		(207)	-2.05%
Information Technology			211,900		141,267		76,920		64,346	45.55%
Supplies			5,600		3,733		4,160		(427)	-11.43%
Operations & Maintenance			82,620		55,080		39,114		15,966	28.99%
Equipment Purchases			21,500		14,333		14,333		0	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	2,606,419	\$	1,737,613	\$	1,517,869	\$	219,744	12.65%
		Dep	partment S	um	mary					
Net Costs Allocable to Rate Centers		\$	(2,606,419)	\$	(1,737,613)	\$	(1,507,977)	\$	(209,852)	12.08%
Allocations to the Rate Centers										
Urban Water	47.00%	\$	1,225,017	\$	816.678	\$	708.749	\$	107.929	
Crozet Water	4.00%	Ŧ	104,257	Ŧ	69,505	Ŧ	60,319	Ŧ	9,185	
Scottsville Water	2.00%		52,128		34,752		30,160		4,593	
Urban Wastewater	44.00%		1,146,824		764,550		663,510		101,040	
Glenmore Wastewater	1.50%		39,096		26,064		22,620		3,445	
Scottsville Wastewater	1.50%		39,096		26,064		22,620		3,445	
	100.00%		2,606,419		1,737,613	*	1,507,977	\$	229,636	

Rivanna Water and Sewer Authority Flow Graphs







MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

- FROM: DANIEL G. CAMPBELL, DIRECTOR OF OPERATIONS & ENVIRONMENTAL SERVICES
- **REVIEWED BY:** DAVID TUNGATE, DEPUTY EXECUTIVE DIRECTOR BILL MAWYER, EXECUTIVE DIRECTOR
- SUBJECT: OPERATIONS REPORT FOR MARCH 2025
- DATE: APRIL 22, 2025

WATER OPERATIONS:

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

Water Treatment Plant	Average Daily Production (MGD)	Maximum Daily Production in the Month (MGD)
South Rivanna	7.75	8.48 (3/23/2025)
Observatory	0.90	1.74 (3/28/2025)
North Rivanna	<u>0.18</u>	0.40 (3/25/2025)
Urban Total	8.83	9.93 (3/31/2025)
Crozet	0.59	0.80 (3/17/2025)
Scottsville	0.04	0.056 (3/26/2025)
Red Hill	<u>0.0021</u>	0.004 (3/20/2025)
RWSA Total	9.46	-

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

Status of Reservoirs (as of April 15, 2025):

- ➢ Urban Reservoirs are 97% of Total Useable Capacity
 - South Rivanna Reservoir is 100% full
 - Ragged Mountain Reservoir is 99% full
 - Sugar Hollow Reservoir is 79% full (water level lowered to complete bladder piping improvements)
 - Beaver Creek Reservoir (Crozet) is 100% full
 - Totier Creek Reservoir (Scottsville) is 100% full

WASTEWATER OPERATIONS:

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

WRRF	Average Daily Effluent	Daily Average (Average Suspende (pp	d Solids	Average Ammonia (ppm)	
	Flow (MGD)	RESULT	LIMIT	RESULT	LIMIT	RESULT	LIMIT
Moores Creek	8.94	<ql< th=""><th>9</th><th><ql< th=""><th>22</th><th><ql< th=""><th>6.4</th></ql<></th></ql<></th></ql<>	9	<ql< th=""><th>22</th><th><ql< th=""><th>6.4</th></ql<></th></ql<>	22	<ql< th=""><th>6.4</th></ql<>	6.4
Glenmore	0.126	3	15	7.0	30	NR	NL
Scottsville	0.057	<ql< th=""><th>25</th><th>3.8</th><th>30</th><th>NR</th><th>NL</th></ql<>	25	3.8	30	NR	NL
Stone Robinson	0.002	4	30	3.3	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 March 2025.

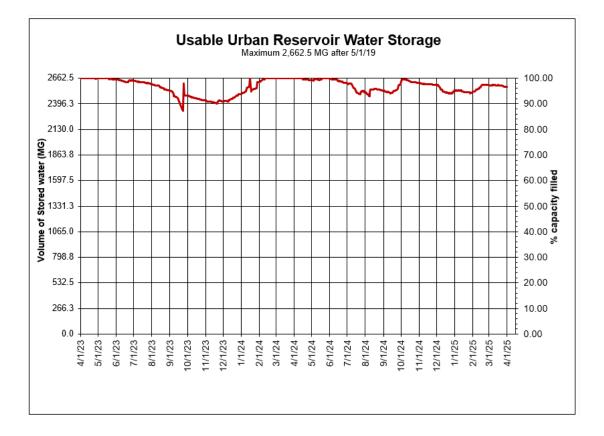
State Annual A (lb./yr.) Po		Average Monthly Allocation (lb./mo.) *	Moores Creek Discharge March (lb./mo.)	Performance as % of monthly average Allocation*	Year to Date Performance as % of annual allocation
Nitrogen	282,994	23,583	8,184	35%	14%
Phosphorous	18,525	1,636	171	10%	5%

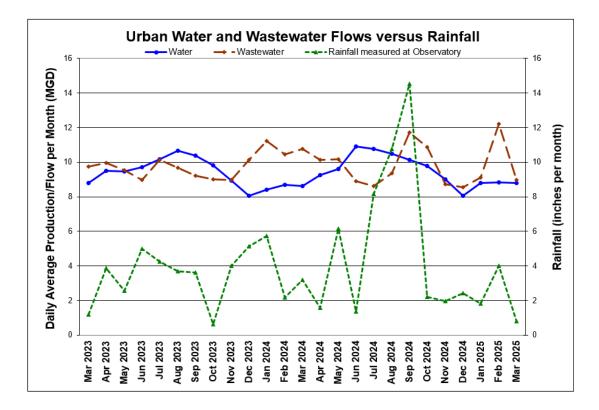
*State allocations are expressed as annual amounts. One-twelfth of that allocation is an internal monthly benchmark for comparative purposes only.

WATER AND WASTEWATER DATA:

The following graphs are provided for review:

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







MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

- FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE
- **REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR**
- SUBJECT: CIP PROJECTS REPORT
- DATE: APRIL 22, 2025

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

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

Summary

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

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

Under Construction

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

Design and Bidding

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

Planning and Studies

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

Other Significant Projects

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

Under Construction

1. <u>Rivanna Pump Station Restoration</u>

Design Engineer: Construction Contractor: Construction Start: Hazen/SEH MEB July 2024

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

<u>Current Status</u>: Contractor completed installation of rebuilt pumps, new motors and associated mechanical and electrical components required to begin the first stage of a demonstration period (began on 4/8/25) associated with one side of the pump station. Following successful completion of this demonstration period, components will be finalized on the other side of the pump station and a final demonstration period will commence. Bypass pumping system should be completely removed by the end of April 2025, assuming the demonstration periods proceed with no issues, with full pump station restoration completed by October 2025.

2. Red Hill Water Treatment Plant Upgrades

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	Anderson Construction (Lynchburg)
Construction Start:	January 2025
Percent Complete:	5%
Base Construction Contract +	
Change Order to Date = Current Value:	\$2,067,000 - \$324,625 = \$1,742,375
Completion:	June 2026
Budget:	\$2.05 M

<u>Current Status:</u> A temporary pressure tank has been placed in service and an inspection of the existing tank has been performed. Work on the existing pressure tank will begin this month. Construction of the building addition will begin as soon as the Site Plan is approved by the County.

3. South Fork Rivanna River Crossing

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Faulconer (Charlottesville)
Construction Start:	December 2024
Percent Complete:	8%
Base Construction Contract +	
Change Order to Date = Current Value:	\$4,916,940
Completion:	January 2027
Budget:	\$6.25 M

<u>Current Status</u>: Contractor completed clearing on both sides of the river. A portion of Old Rio Mills Road will be closed for several months as construction of the new 24" water line begins. Access to Brook Hill River Park will remain open to the public.

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

Design Engineer: Construction Contractor: Construction Start: Percent Complete: Base Construction Contract + Kimley-Horn Thalle Construction (North Carolina) February 2025 5% Change Order to Date = Current Value: Completion: Budget: \$56,532,000 - \$2,779,390 = \$53,752,610 June 2029 \$61.49 M

<u>Current Status</u>: The Contractor focused on clearing trees in March and has shifted to grinding felled trees and prepping easement areas for pipe installation. The Contractor is also setting up its jobsite trailer at the pump station site on Reservoir Road and will be test drilling for rock in key areas of the pipeline alignment.

5. MCAWRRF Building Upfits and Gravity Thickener Improvements

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	English (Lynchburg, VA)
Construction Start:	May 2025
Percent Complete:	2%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,821,000 - \$189,500 = \$9,631,500
Completion:	May 2027
Budget:	\$11.8 M

<u>Current Status:</u> A pre-construction conference was held on April 4, 2025. A Notice to Proceed is anticipated this month after approval of the bonds and insurance.

6. MCAWRRF Structural and Concrete Rehabilitation

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	WM Schlosser (Hyattsville, MD)
Construction Start:	May 2025
Percent Complete:	1%
Base Construction Contract+	
Change Order to Date = Current Value:	\$13,866,000 - \$898,500 = \$12,967,500
Completion:	May 2027
Budget:	\$15.5 M

<u>Current Status:</u> A pre-construction conference was held on April 10, 2025. A Notice to Proceed is anticipated this month after approval of the bonds and insurance.

7. Crozet Pump Stations Rehabilitation

Design Engineer:	Wiley Wilson
Construction Contractor:	Waco, Inc. (Sandston, VA)
Construction Start:	August 2025
Percent Complete:	3%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,583,350
Completion:	September 2027
Budget:	\$12.35 M

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

8. Moores Creek Administration Building Renovation and Addition

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

<u>Current Status</u>: Contracts have been signed, and a Pre-Construction Meeting was held on April 18, 2025. A Notice to Proceed is anticipated for early May after approval of the bonds and insurance.

Design and Bidding

9. Central Water Line

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

<u>Current Status</u>: **Phase 1 Contract (west end):** The bid opening date has been rescheduled for May 8, 2025 to address design revisions. Revised plans were issued to Contractors in April. **Phase 2 Contract (east end):** Design efforts in the E. High Street area are in process and survey work is complete. An additional private easement will be required as well as new easements on two City parcels. Phase 2 design will be completed in the summer 2025.

10. <u>Crozet GAC Expansion – Phase I</u>

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

<u>Current Status:</u> Project will be advertised for bidding when we receive approval of the design from VDH. \$6.24 M in grant funds from VDH are available for this project.

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

Design Engineer:	Hazen and Sawyer (Hazen)
Project Start:	June 2023

Project Status: Construction Start: Completion: Budget: 90% Design September 2025 September 2026 \$9.7 M

<u>Current Status</u>: Staff are making decisions on the septage receiving equipment and billing software needed. A new work authorization is being negotiated to include repairs to the South Side Septage Receiving Facility to improve plant operations during construction.

12. <u>SRWTP – PAC Upgrades</u>

Design Engineer:	SEH
Project Start:	November 2023
Project Status:	95% Design
Construction Start:	December 2025
Completion:	August 2027
Budget:	\$1.1 M

Current Status: Construction bids will be received in May.

13. RMR Pool Raise

Schnabel Engineering
April 2024
Bidding
September 2025
September 2026
\$6 M

Current Status: Construction bids will be received in May.

14. SFRR to RMR Pipeline, Intake, and Facilities

Design Engineer:	Kimley Horn/SEH
Project Start:	July 2023
Project Status:	75% Design
Construction Start:	February 2026
Completion:	December 2030
Budget:	\$117 M

<u>Current Status</u>: Staff provided comments on the 90% pipeline plans to the Design Engineer. A workshop was held for the intake structure design on April 9th, and the Design Engineer is completing 60% plans for the intake.

15. Beaver Creek Dam, Pump Station and Piping Improvements

Design Engineer:	Schnabel Engineering (Dam)
Design Engineer:	Hazen & Sawyer (Pump Station)
Project Start:	February 2018
Project Status:	70% Design

Construction Start: Completion: Budget: May 2026 January 2030 \$62 M

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

16. Upper Schenks Branch Interceptor, Phase II

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

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

17. SRWTP Permanganate Improvements

Design Engineer:	SEH
Project Start:	January 2025
Project Status:	10% Design
Construction Start:	June 2026
Completion:	August 2027
Budget:	\$400,000

<u>Current Status</u>: This project will replace chemical feed equipment at the end of its useful life and increase chemical containment capacity.

18. Glenmore WRRF Upgrade Phase 1

Design Engineer:	SEH
Project Start:	March 2025
Project Status:	0% Design
Construction Start:	June 2026
Completion:	January 2028
Budget:	\$1.65 M

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

19. Dam Concrete and Steel Repairs

Design Engineer:	GAI Consultants
Project Start:	January 2025
Project Status:	5% Design
Construction Start:	January 2026
Completion:	December 2026
Budget:	\$1.28 M

<u>Current Status</u>: Structural assessments of the Sugar Hollow, South Rivanna, Lickinghole Creek, and Totier Creek dams were conducted by GAI in March 2025. Repairs will be completed in the summer of 2026.

20. SVWRRF Generator

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

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

Planning and Studies

21. MCAWRRF Biogas Upgrades

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

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

22. Flood Protection Resiliency Study

Design Engineer:	Hazen
Project Start:	August 2024
Project Status:	Preliminary Engineering/Study
Completion:	July 2025
Budget:	\$278,500

<u>Current Status</u>: This project will identify individualized flood mitigation measures for various facilities to increase their resiliency from a 1% to a 0.2% flooding event and will focus on facilities

located at the Moores Creek AWRRF within those flood event boundaries. This project received \$198,930 in grant funding from FEMA and VDEM.

Other Significant Projects

23. Urgent and Emergency Repairs

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

Project No.	Project Description	Approx. Cost
2023-01	Finished Water System ARV Repairs	\$150,000
2024-09	Stillhouse Waterline Erosion @ Ivy Creek	\$200,000
2025-03	Ragged Mtn Raw Waterline Break @ Reservoir Road	\$25,000

- <u>RWSA Finished Water ARV Repairs:</u> RWSA Engineering staff recently met with Maintenance staff to identify a list of Air Release Valves (ARVs) that need to be repaired, replaced, or abandoned. Several of these locations will require assistance from RWSA On-Call Maintenance Contractors, due to the complexity of the sites (proximity to roadways, depth, etc.). The initial round will include seven (7) sites, all along the South Rivanna Waterline. Three replacements have been completed at this time, with a fourth site in progress. This in progress site included abandonment of an existing manual ARV located in the middle of the Route 29-Hydraulic intersection, which has been completed, and was a major coordination effort with VDOT, as they intend to pave this area in the coming weeks. The Contractor is working with VDOT on permits for the final sites. The remaining replacements will likely be scheduled starting in Spring 2025.
- <u>Stillhouse Waterline Erosion at Ivy Creek:</u> In November 2024, it was discovered that the banks of Ivy Creek had experienced significant erosion during some of the heavy rainstorms earlier in the Fall, and that the erosion was now intruding on RWSA's 12" Stillhouse Waterline. The area was temporarily armored with sandbags in December, to protect the waterline from further erosion in the interim. Staff are working with the USACOE to permit a permanent bank stabilization project, which will include placement of large rip-rap along the streambank. Given continued region-wide disaster relief efforts associated with Hurricane Helene, it is anticipated that permits may not be received until Spring 2025. RWSA intends to utilize its On-Call Maintenance Contractor, Faulconer Construction Company, for completion of this work and is seeking funding/reimbursement opportunities through FEMA.
- <u>Ragged Mountain Raw Waterline Break at Reservoir Road</u>: On March 19th, a Contractor installing internet fiber lines bored through RWSA's 18" Ragged Mountain Raw Waterline, along Reservoir Road in the proximity of Camp Holiday Trails and the access road to the Ragged Mountain Natural Areas. RWSA staff responded to the incident quickly and helped isolate the break, and then on March 20th, RWSA Maintenance staff made repairs to the raw water main, put it back in service, and restored Reservoir Road with a gravel patch. The roadway was repaved by On-Call Maintenance Contractor on Tuesday, April 1st.

24. Security Enhancements

Design Engineer: Construction Contractor: Construction Start: Hazen & Sawyer Security 101 (Richmond, VA) March 2020

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

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



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY BOARD OF DIRECTORS

FROM: BETSY NEMETH, DIRECTOR OF ADMINISTRATION AND COMMUNICATIONS

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: ADMINISTRATION AND COMMUNICATIONS REPORT

DATE: APRIL 22, 2025

Human Resources

Fiscal year-to-date turnover is 7.9% through April 8, 2025 which includes one retirement.

We are excited to announce the promotion of Keith Covington to the Water Department Supervisor role.

After working with us as a Water Operator for 20 years, Rebecca Bodor is retiring as of May 1, 2025. We wish her well in retirement and thank her for her years of service.

<u>Safety</u>

Our Safety Manager, along with our Human Resources Manager and our Outreach & Communications Coordinator, attended a Community Crisis Communication meeting sponsored by the City of Charlottesville.

He has also been attending progress meetings and pre-construction meetings for our capital projects to ensure that our contractors have safety plans in place for all our work sites.

Our Safety Manager attended the quarterly meeting of the Local Emergency Planning Committee (LEPC) on April 9, 2025. This committee is mandated by the Emergency Planning and Community Right-to-Know Act and brings together local partners to focus on hazardous materials response and general emergency planning for our area.

Community Outreach

On March 27, 2025, the University of Virginia Clean Water Group took a tour of the Observatory Water Treatment plant, led by our water Department Assistant Manager, Cary Wingo.

On March 31, 2025, three University of Virginia Engineering classes toured the Moores Creek Advanced Water Resource Recovery Facility.

On April 11, 2025, we participated in the Woodbrook Elementary School Career Day, to talk about careers in water and sewer. We also had some of the employees from the Charlottesville Utilities Department tour our Moores Creek facility.

We have begun using a marketing software called EmailOctopus, which will help us put together topic specific email lists related to our Capital Improvement Projects. We intend to use it to keep the public informed about any projects in which they are interested.



MEMORANDUM

TO:RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORSFROM:JENNIFER WHITAKER, DIRECTOR OF ENGINEERING &
MAINTENANCEREVIEWED BY:DAVID TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTORSUBJECT:WHOLESALE METERING REPORT FOR MARCH 2025DATE:APRIL 22, 2025

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

	Month	Daily Average	
City Usage (gal)	133,394,540	4,303,050	48.9%
ACSA Usage (gal)	139,512,303	4,500,397	51.1%
Total (gal)	274,906,843	8,803,447	

The *RWSA Wholesale Metering Administrative and Implementation Policy* requires that water use be measured based upon the annual average daily water demand of the City and ACSA over the trailing twelve (12) consecutive month period. The *Water Cost Allocation Agreement (2012)* established a maximum water allocation for each party. If the annual average water usage of either party exceeds this value, a financial true-up would be required for the debt service charges related to the Ragged Mountain Dam and the SRR-RMR Pipeline projects. Below are graphs showing the calculated monthly water usage by each party dating back to the beginning of FY 21, the trailing twelve-month average (extended back to April 2024), and that usage relative to the maximum allocation for each party (6.71 MGD for the City and 11.99 MGD for ACSA). Completed in 2019 for a cost of about \$3.2 M, our Wholesale Metering Program consists of 25 remote meter locations around the City boundary and 3 finished water flow meters at treatment plants.



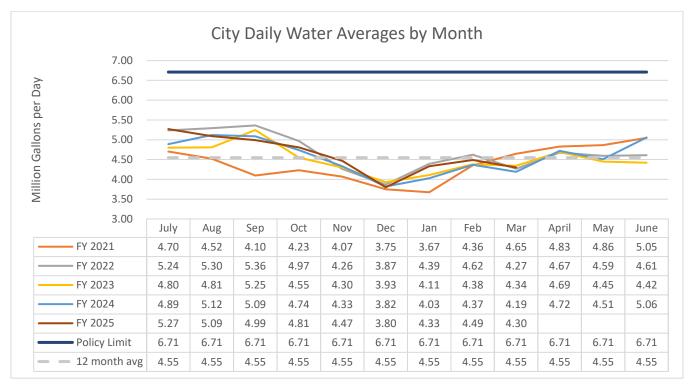
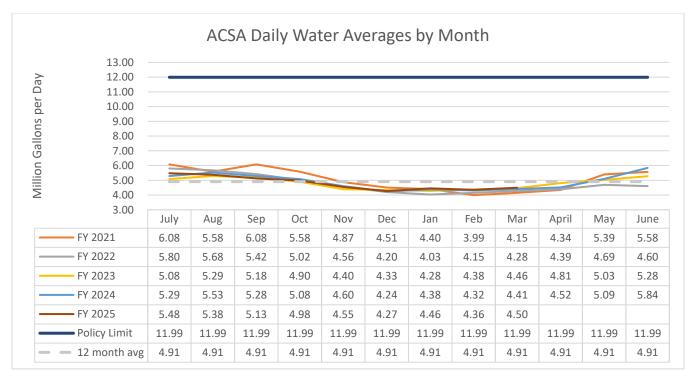


Figure 2: Albemarle County Service Authority Monthly Water Usage and Allocation

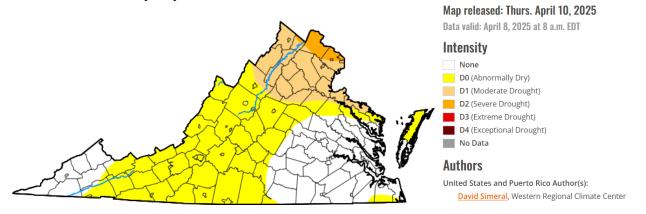




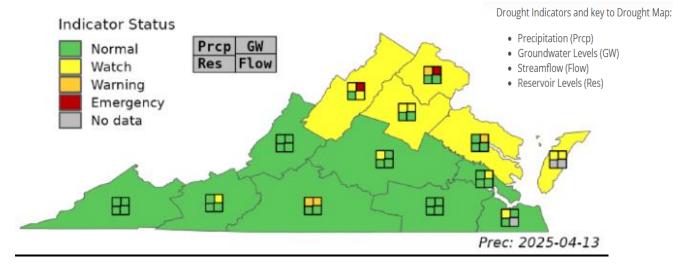
TO:RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORSFROM:BETHANY HOUCHENS, WATER RESOURCES COORDINATORREVIEWED:DAVID TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTORSUBJECT:DROUGHT MONITORING REPORTDATE:APRIL 22, 2025

State and Federal Drought Monitoring as of April 10, 2025:

• U.S. Drought Monitoring Report: Indicates the City of Charlottesville and Albemarle County are in Abnormally Dry conditions.



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



Precipitation & Stream Flows

		Charlotte	esville Precipita	tion	
Year	Month	Observed	Normal (in.)	Departure	Comparison to
		(in.)		(in.)	Normal (%)
2021	Jan - Dec	33.82	41.61	-7.79	-19
2022	Jan - Dec	43.53	41.61	+1.92	+5
2023	Jan – Dec	26.95	41.61	-14.66	-35
2024	Jan - Dec	39.56	41.61	-2.05	-5
2025	Jan-March	5.76	8.85	-3.09	-35

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

USGS Stream Gaging Station Near the Urban Area (April 4-April 10)				
Gage Name	Rolling 7-day Av	vg. Stream Flow	Median Dail	y Streamflow
	cfs	mgd	cfs	mgd
Mechums River	93.3	60.3	86	55.6
Moormans River	62.8	40.6	83	53.6
NF Rivanna River	120.9	78.2	105	67.9
SF Rivanna River	211.1	136.5	248	135.7

Median daily flow: April 10th for the period of record (approx. 30 - 80 years)

Status of Reservoirs as of April 15, 2025

- ➢ Urban Reservoirs are 97% of Total Useable Capacity
- Beaver Creek Reservoir (Crozet) is 100% of Total Useable Capacity
- > Totier Creek Reservoir (Scottsville) is 100% of Total Useable Capacity

Drought History in Central Virginia

• Severe: 1838, 1930, 1966, 1982, 2002

• Longest: May 2007 - April 2009; 103 weeks

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

PFAS Regulatory and Class Action Litigation Update

PRESENTED BY:

DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR

BOARD OF DIRECTORS MEETING

APRIL 22, 2025



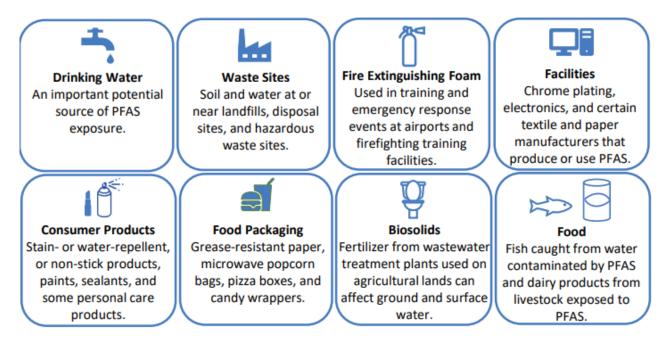
PFAS





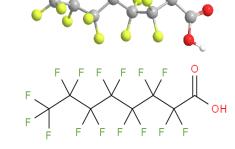
Where are PFAS found?

Most people in the United States have been exposed to some PFAS. People can be exposed to PFAS by touching, drinking, eating, or breathing in materials containing PFAS. PFAS may be present in:



Very little of the PFAS in water can get into your body through your skin, so, showering, bathing, and washing dishes in water containing PFAS are unlikely to significantly increase your risk.











EPA PFAS Drinking Water Regulations*

PFAS Compound	MCLG	MCL (ppt or ng/L)#
PFOA	0	4.0
PFOS	0	4.0
PFHxS	10	10
HFPO-DA (Gen X chemicals)	10	10
PFNA	10	10
Mixture of two or more PFHxS, PFNA, HFPO- DA, and PFBS	Hazard Index 1 (unitless)	Hazard Index 1 (unitless)

part per trillion is
the same as :

- 1 inch in 16 million miles
- 1 penny in \$10 B
- 1 second in 32,000 years

* As of April 10, 2024



South Rivanna WTP 8 Contactors 320,000 pounds of GAC 8 MGD Capacity



Observatory WTP 6 Contactors 240,000 pounds of GAC 6 MGD Capacity



North Rivanna WTP 1 Contactor 40,000 pounds of GAC 1 MGD Capacity



<u>Crozet WTP</u> 2 Contactors 40,000 pounds of GAC 1 MGD Capacity <u>Scottsville WTP</u> 2 Contactors 12,000 pounds of GAC 0.25 MGD Capacity





RWSA PFAS drinking water sampling history





- 2014 First PFAS samples were collected as a part of UCMR 3. Minimal detections at very low levels.
- Collected PFAS samples more than 20 times at the five surface water treatment plants and 16 times at Red Hill WTP (ground water system)
- Each sample kit requires sampler to fill approx.
 20 containers for each sample location: \$395 per sample

Minimal PFAS detections in Raw and Treated Water

PFAS Compound	MCL (ppt)	Highest concentration detected (ppt)	Location Date
PFOA	4.0	23	North Rivanna 05/24/2023
PFOS	4.0	6.5	North Rivanna 05/24/2023
PFHxS	10	5.2	North Rivanna 05/24/2023
HFPO-DA (Gen X chemicals)	10	0	_
PFNA	10	0	-
Mixture of two or more PFHxS, PFNA, HFPO- DA, and PFBS	Hazard Index 1 (unitless)	0.58	North Rivanna 05/24/2023





Class action lawsuits have four defendants

- 3M (\$10.5 B) **3**
- Dupont (\$1.18 B) **DUPONT**
- Tyco (\$0.75 B)
- BASF (\$0.31 B) **D BASF**

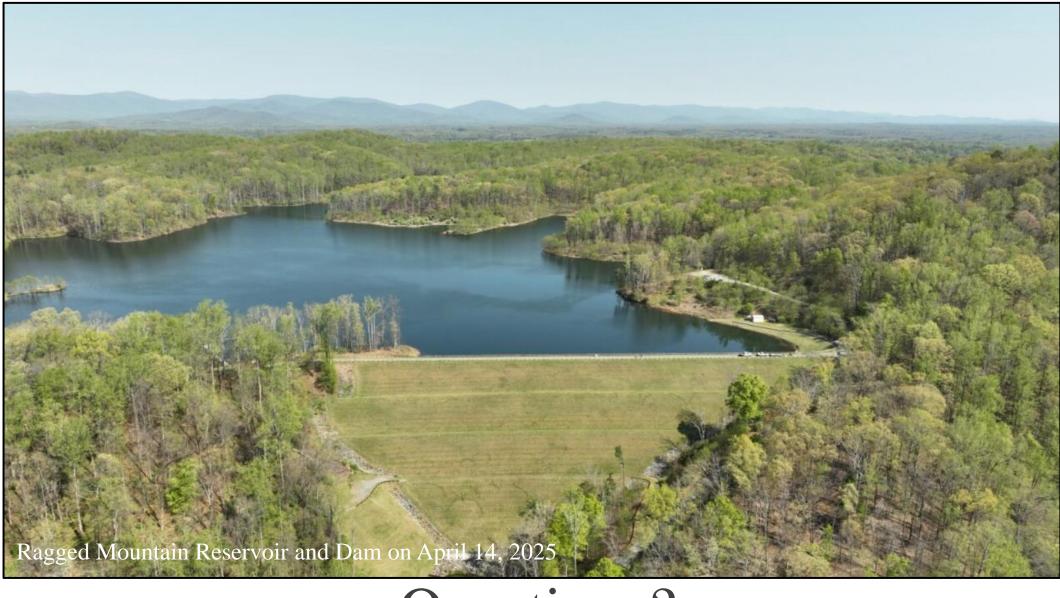
Approximate Settlement Amounts*

Water Treatment Plant	3 M	Dupont
North Rivanna	\$715,000	\$68,000
South Rivanna	\$540,000	\$50,000
Observatory	\$261,000	\$25,000
Crozet	\$168,000	\$16,000
Scottsville	\$44,000	\$4,000
Red Hill	\$0	\$0
Total	\$1.72M	\$0.16 M

* Based on final PFAS score and regulatory increase. Payments will be made over 10 years.

Approximate Settlement Amounts *

Water Treatment Plant	Tyco	BASF
North Rivanna	\$300,000	\$40,000
South Rivanna	\$300,000	\$30,000
Observatory	\$200,000	\$20,000
Scottsville	\$20,000	\$1,000
Crozet	\$5,000	\$1,000
Red Hill	\$0	\$0
Total	\$825,000	\$92,000



Questions?



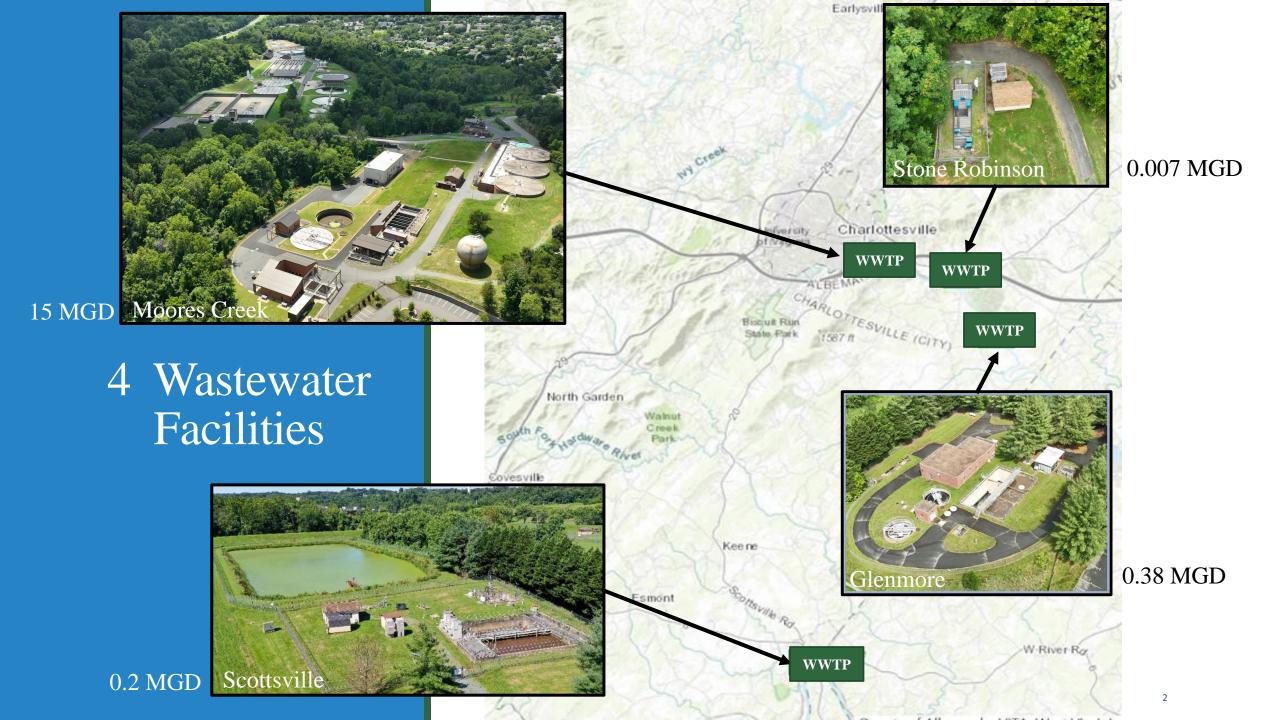
Moores Creek Advanced Water Resource Recovery Facility 15 MGD Plant on 80 acres Wastewater Program Review

Daniel G. Campbell

Director of Operations and Environmental Services

Board of Directors Meeting

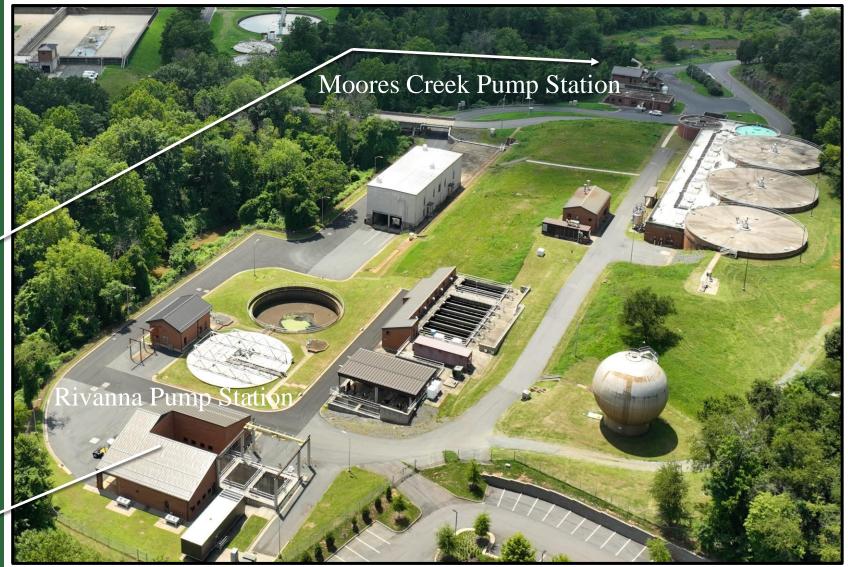
April 22, 2025

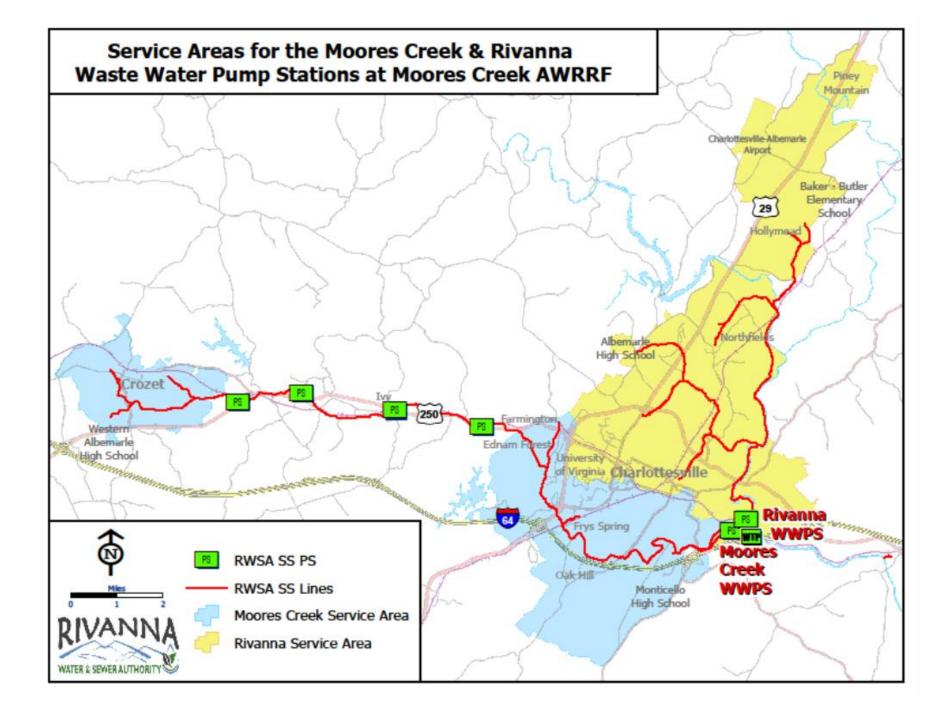


Sewer Pump Stations at Moores Creek



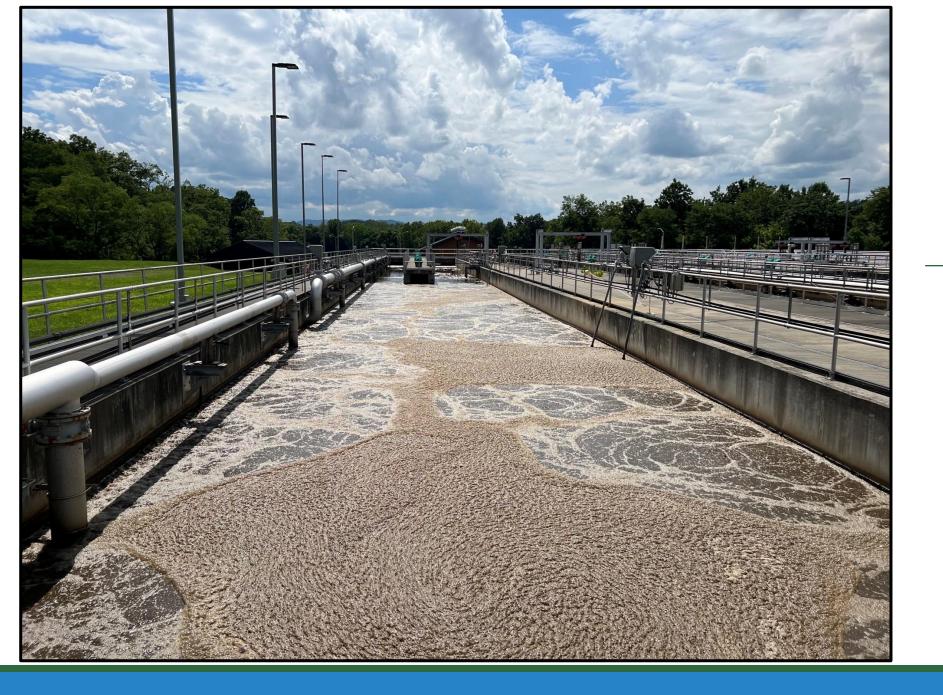








Moores Creek "Wet Side"



Biological Treatment

enhanced nutrient removal by microbes



Primary Clarifiers

sludge removal by settling and removal of floating grease/oils



Secondary Clarifiers

Final stage of sludge removal

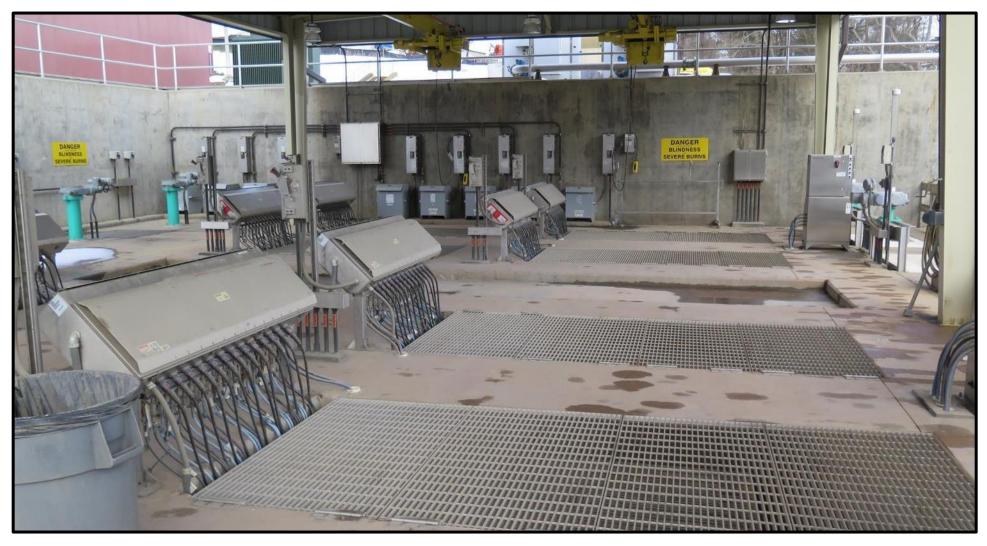


Moores Creek "Solids side"



Sand Filters

remove fine particles prior to UV disinfection



Ultraviolet light channels disinfects wastewater effluent flow



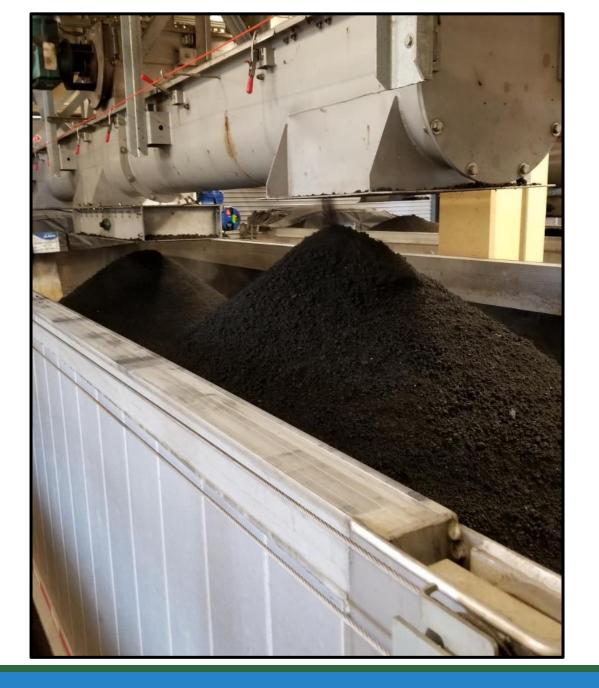
Outfall to Moores Creek







dewaters anaerobic sludge from digesters



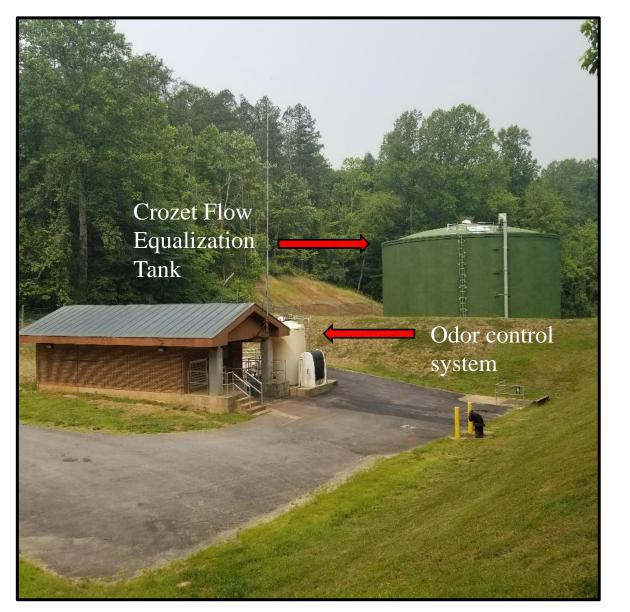
Biosolids

Moores Creek generated approx. 13,000 tons of biosolids in 2024 and made 524 trips to compost facility



Moores Creek Odor Control

removes odors from gases under primary clarifier covers



Crozet Pump Station 4

Crozet sewer Odor Control

Reduces odors in sewer line from Crozet to Charlottesville

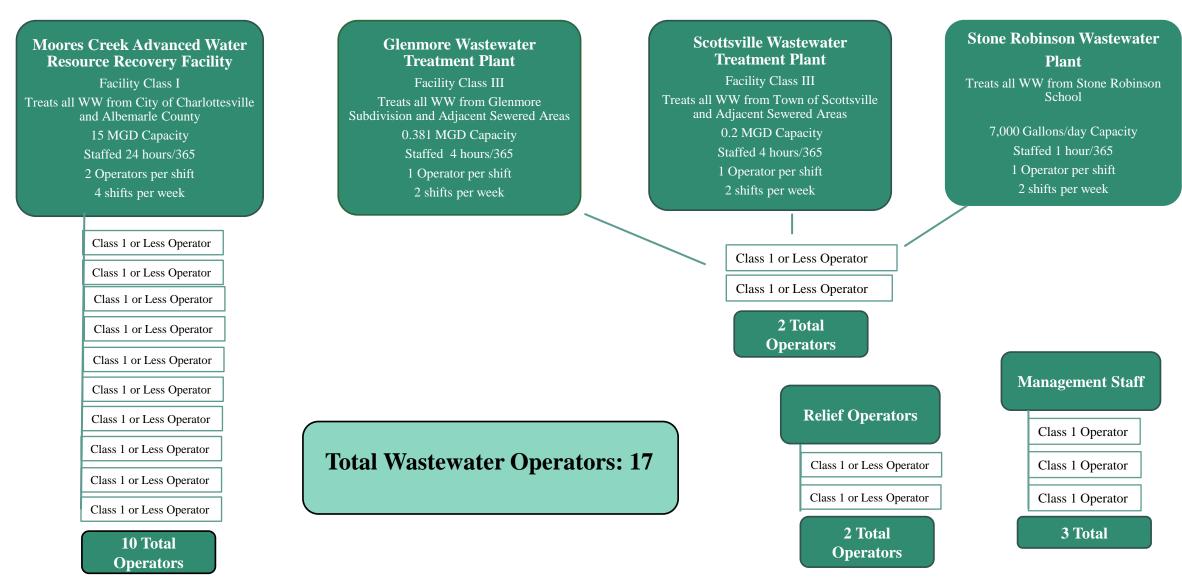
• Odor control from Crozet costs about \$350,000/year



Moores Creek septic station

approx. 6,300 deliveries of septage totaling 8 million gallons in CY 2024

Wastewater Treatment Plants



Wastewater Staff Licenses

Wastewater License	Number of Operators
Class 1	10
Class 2	3
Class 3	1
Class 4	_
Unlicensed Trainee	3
Total Wastewater Operators	17

Industrial Waste Pre-Treatment Program



Purpose of the program

• Protect the sewer system and the processes in the wastewater treatment plants by having discharge limits

• Required by Environmental Protection Agency and Virginia Department of Environmental Quality



Discharge limits

- Pretreatment program monitors at the following constituents:
 - Fats Oils and Greases (FOG)
 - Metals (Manganese, Copper, Lead, heavy metals)
 - Nutrients (Nitrogen and Phosphorus)
 - pH (discharge must be between 6.0 and 9.0)
 - Chemical Biochemical Oxygen Demand



Current Industrial Permits

• RWSA currently has 3 SIUs in the pretreatment program:



•New permits were issued for all 3 on July 1, 2022 and will expire on June 30, 2025.

•Each industry is required to submit a semi-annual report for the periods ending in June and December of each year.

Wastewater Department Budget ~FY 2026~

•\$27.8 million

- >\$2.0 million for employee salaries
- >\$1.4 million utility costs (electricity, natural gas)
- >\$1.0 million for wastewater treatment chemicals
- >\$1.2 million (odor control, biosolids disposal and trucking)
- >\$0.4 million communication lines, IT, misc. supplies, professional services
- >\$2.7 million for operations and maintenance
- >\$5.9 million for central support (Finance, IT, HR, Engineering, Maintenance, Lab services)
- >\$13.2 million for debt service

• treated 3.6 billion gallons of wastewater in FY 2024 at a cost of \$0.77 per 100 gallons



Questions?