



# Board of Directors Meeting

January 27, 2026

2:15pm



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

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



## BOARD OF DIRECTORS

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

**DATE:** JANUARY 27, 2026

**LOCATION:** Albemarle County Service Authority  
168 Spotnap Road, Charlottesville, VA 22911

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

## AGENDA

- 1. CALL TO ORDER**
- 2. AGENDA APPROVAL**
- 3. MINUTES OF PREVIOUS BOARD MEETING ON DECEMBER 16, 2025**
- 4. RECOGNITION**
- 5. EXECUTIVE DIRECTOR'S REPORT**
- 6. ITEMS FROM THE PUBLIC**  
*Matters Not Listed for Public Hearing on the Agenda*
- 7. RESPONSES TO PUBLIC COMMENTS**
- 8. CONSENT AGENDA**
  - a. Staff Report on Administration and Communications*
  - b. Staff Report on CIP Projects*
  - c. Staff Report on Finance*
  - d. Staff Report on Information Technology*
  - e. Staff Report on Operations*
  - f. Staff Report on Drought Monitoring*
  - g. Staff Report on Wholesale Metering*

## **9. OTHER BUSINESS**

- a. Presentation: UVA Rowing Program  
Frank Biller, Director of Rowing*

*(Combined Session with RSWA)*

- b. Presentation: Strategic Plan Update  
Leah Beard, Director of Administration and Communications*
- c. Presentation: Asset Management Update  
Katie McIlwee, Asset Management Coordinator*
- d. Presentation: Grant Applications Update  
Annie West, Sustainability and Grants Coordinator*
- e. Presentation: Safety Program Update  
George Cheape, Safety Manager*

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

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

## **11. CLOSED MEETING**

## **12. ADJOURNMENT**

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

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

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

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

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

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

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

Rev. September 7, 2022





**RWSA BOARD OF DIRECTORS**  
**Minutes of Regular Meeting**  
**December 16, 2025**

A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was held on December 16, 2025 at 2:15 p.m. at Albemarle County Service Authority, 168 Spotnap Road, Charlottesville, VA 22911.

**Board Members Present:** Mike Gaffney, Jeff Richardson, Sam Sanders (arrived at 2:27 p.m.), Ann Mallek, Brian Pinkston, Quin Lunsford, Lauren Hildebrand.

**Board Members Absent:** None.

**Rivanna Staff Present:** Bill Mawyer, Dave Tungate, Lonnie Wood, Jennifer Whitaker, Betsy Nemeth, Daniel Campbell, Austin Marrs, Dyon Vega, Steve Minnis, Sr., Jay Young, Jeff Southworth, Westley Kern, Jacob Woodson, Jon Williams, Leah Beard, Deborah Anama.

**Attorney(s) Present** Valerie Long

**1. CALL TO ORDER**

Mr. Gaffney convened the December 16, 2025 regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority at 2:15 p.m.

**2. AGENDA APPROVAL**

Mr. Gaffney asked if there were any changes or suggestions regarding the agenda. Hearing none, he asked if there was a motion.

**Ms. Mallek moved that the Board of Directors approve the agenda. Mr. Pinkston seconded the motion, which carried unanimously (6-0). (Mr. Sanders was absent)**

**3. MINUTES OF PREVIOUS BOARD MEETING ON NOVEMBER 18, 2025**

Mr. Gaffney asked if there were any comments or changes to the minutes of the previous meeting. Hearing none, he asked if there was a motion.

**Ms. Mallek moved that the Board of Directors approve the minutes of the previous meeting on November 18, 2025. Mr. Pinkston seconded the motion, which carried unanimously (6-0). (Mr. Sanders was absent)**

**4. RECOGNITION**

*a. Resolution of Appreciation for Mr. Jay Young, Assistant Information Systems Administrator*

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

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

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

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

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

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

49 *Michael Gaffney, Chairman*  
50 *Lauren Hildebrand*  
51 *Quin Lunsford*  
52 *Ann Mallek Brian Pinkston*  
53 *Jeff Richardson*  
54 *Sam Sanders*

55 **Mr. Pinkston moved that the Board of Directors approve the Resolution of Appreciation**  
56 **for Mr. Jay Young. Ms. Mallek seconded the motion, which carried unanimously (6-0).**  
57 **(Mr. Sanders was absent)**

58 Jay Young, Assistant Information Systems Administrator, accepted the Resolution. He stated that  
59 it had been wonderful and he would miss everyone he had worked with.

60 Mr. Gaffney thanked Mr. Young for keeping them out of trouble for many years.

61 Mr. Mawyer stated that in addition to being an IT whiz and helping him with every IT problem,  
62 Mr. Young was also a disc jockey, so whenever they had team-building events, Mr. Young  
63 would bring the music. He stated that Mr. Young had been a valuable member of their team for  
64 17 years and they appreciated all he had done. He thanked him very much.

65 *b. Resolution of Appreciation for Ms. Betsy Nemeth, Director of Administration and*  
66 *Communications*

67

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

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

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

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

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

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

86 *Michael Gaffney, Chairman*  
87 *Lauren Hildebrand*  
88 *Quin Lunsford*  
89 *Ann Mallek*  
90 *Brian Pinkston*  
91 *Jeff Richardson*  
92 *Sam Sanders*

93 **Mr. Pinkston moved that the Board of Directors approve the Resolution of Appreciation**  
94 **for Ms. Betsy Nemeth. Ms. Mallek seconded the motion, which carried unanimously (6-0).**  
95 **(Mr. Sanders was absent)**

96 Ms. Nemeth accepted the Resolution. She stated that it had been an absolute pleasure and  
97 privilege and she appreciated it. She stated that she was excited for what the future would hold,  
98 and she thought a lot was going to happen and it would be great to sit back and watch. She  
99 thanked the Board very much.

100 Mr. Mawyer stated that Ms. Nemeth had done a great job as their first Director of the  
101 Administration Communications Division over the last two years. He stated that she had played a  
102 big role in helping him develop the organization's growth and development plan, as well as their  
103 succession management plan. He stated that Ms. Nemeth had been a confidante at times, always  
104 willing to offer her advice and provide a candid perspective. He stated that they appreciated her  
105 support over the past 10 years. He stated that one thing that had become apparent was that Ms.

106 Nemeth had a strong desire to live in Portugal, which she often shared with them when  
107 discussing her adventures. He stated that they wished her the best of luck in her future endeavors.

108 Mr. Gaffney asked if she had picked out a town in Portugal yet.

109 Ms. Nemeth stated yes; the town of Espinho, about a half-hour train ride south of Porto,  
110 Portugal.

111 Mr. Gaffney asked if there was a lot of good coast.

112 Ms. Nemeth stated of course.

113 Mr. Gaffney stated that it sounded great and congratulated Ms. Nemeth.

114 c. *Resolution of Appreciation for Mr. Brian Pinkston, RWSA Board Member*

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

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

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

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

- 126 • *An 8-mile-long raw water pipeline and pump station between the South Rivanna Reservoir*  
127 *and the Ragged Mountain Reservoir*
- 128 • *A 5-mile-long raw water pipeline and pump station between the Ragged Mountain*  
129 *Reservoir and the Observatory Water Treatment Plant*
- 130 • *Raising the Pool Level at the Ragged Mountain Reservoir to increase storage capacity by*  
131 *700 MG*
- 132 • *Renovations and additional Granular Activated Carbon water treatment facilities at the*  
133 *South Rivanna, Observatory, Crozet and Red Hill Water Treatment Plants*
- 134 • *The Central Water Line, a 5-mile-long major drinking water pipeline to serve the Urban*  
135 *Area*
- 136 • *The Airport Road Water Pump Station and Piping Project*
- 137 • *The South Rivanna River Crossing Project to improve drinking water reliability and*  
138 *capacity in the northern Urban System*
- 139 • *A renovation and addition, including an Education Center, of the Moores Creek*  
140 *Administration Building*
- 141 • *and a 5-year Strategic Plan to provide direction for the programs of the Authority*

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

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

148 *Michael Gaffney, Chairman*  
149 *Lauren Hildebrand*  
150 *Quin Lunsford*  
151 *Ann Mallek*  
152 *Jeff Richardson*  
153 *Sam Sanders*

154 **Ms. Mallek moved that the Board of Directors approve the Resolution of Appreciation for**  
155 **Mr. Brian Pinkston. Mr. Richardson seconded the motion, which carried unanimously (6-**  
156 **0). (Mr. Sanders was absent)**

157 Mr. Pinkston stated that he wanted to commend all of his colleagues for the wonderful work that  
158 all of them did. He stated that Rivanna was a remarkable example of how exceptional skills and  
159 diverse backgrounds came together to address practical needs for their community. He stated that  
160 the professionalism, technical mastery, confidence, and passion for the work that he saw in this  
161 organization started at the top and permeated through the whole organization. He stated that it  
162 started at the Board.

163 Mr. Pinkston stated that also, this organization embodied the importance of regionalism. He  
164 stated that if the City or County tried to do this work by themselves, it would cost a lot more and  
165 not be nearly as productive. He stated that this was a wonderful Board that worked well, and the  
166 kinds of things they were trying to pull off here were epic. He stated that he encouraged  
167 everyone to hold the course.

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

169 Mr. Mawyer stated that this was an exciting day for the Rivanna Water and Sewer Authority. He  
170 stated that they not only got to congratulate two of their senior managers, Ms. Nemeth and Mr.  
171 Young on their retirement and thank them for all their contributions, but also got to thank their  
172 Board member Mr. Pinkston for the insightful guidance he had provided to many of them during  
173 his tenure. He stated that they appreciated the dedication and commitment Mr. Pinkston had  
174 shown to the Board and staff. He stated that it had been a positive relationship and they  
175 appreciated his contributions.

176 Mr. Mawyer stated that today, they would have the opportunity to award the largest single  
177 construction project in the history of the Rivanna Water and Sewer Authority, the South Rivanna  
178 to Ragged Pipeline project. He stated that this project would bring water to their community, a  
179 goal they had been working toward for 23 years, starting with the drought of 2002. He stated that  
180 he would elaborate on this project in a moment. He stated that before he did, he would like to  
181 highlight some of their staff's achievements this holiday season. He stated that their

182 environmental stewardship had collected holiday donations to be given to the Jefferson School  
183 Foundation. Mr. Mawyer stated that staff had also upgraded the siren at the Sugar Hollow Dam,  
184 adding four speakers instead of one. He stated that he had included a short video so they could  
185 hear how the sirens sounded.

186 Ms. Mallek asked if there was a recording of how it sounded at the bridge.

187 Mr. Mawyer stated not yet; they planned to extend the system, although they were still unsure of  
188 the extent of the new speakers. He stated that the new speakers were approximately 30% louder  
189 than the existing speakers. Their goal was to grow the system and add more speakers in the  
190 future to increase the reach of the audible alarm system.

191 Mr. Mawyer stated that last night, they had held a virtual meeting with the Jefferson Park  
192 Avenue, Fry's Spring, and Johnson Village neighborhoods about stage two of the Central Water  
193 Line project. He stated that eight residents attended the meeting and were informed about the  
194 next phase, which was expected to begin in January. He stated that currently, they were working  
195 on the north side of the railroad track on Lewis Street, and in January, they planned to go under  
196 the railroad track and begin construction on the south side of the railroad track along Jefferson  
197 Park Avenue and Cleveland Ave.

198 He stated that their Director of Engineering and Maintenance, Jennifer Whitaker, presented to  
199 the UVA Civil Engineering fourth-year class about public sector engineering careers. Mr.  
200 Mawyer stated that additionally, their South Rivanna Water Treatment Plant Manager, Keith  
201 Covington, and Communications Manager, Westley Kern, had given a tour to second and third-  
202 grade students from the Free Union Country School at the South Rivanna Water Treatment Plant.  
203 He stated that they had partnered with the City and Service Authority again this year on the  
204 Imagine a Day Without Water program, with a theme focused on "Water Works". He stated that  
205 the program had been successful, and noted the winners from various schools.

206 Mr. Mawyer stated that as part of their strategic plan priority of infrastructure and planning,  
207 renovations were underway at the Moores Creek Administrative Building. He stated that the first  
208 and second floors had undergone changes, and a temporary trailer office suite had been set up for  
209 staff. He stated that although the floor was cold, they were surviving in the trailer suites and the  
210 project was progressing. He stated that the project to install a new water line from Ragged  
211 Mountain to the Observatory Treatment Plant continued, and photos showed installation of the  
212 pipe. He stated that they had discussed the Central Water Line stage one, which was currently  
213 underway on Lewis Street, with equipment digging a trench to install the 30-inch waterline.

214 Mr. Mawyer stated that the exciting part was that they were nearing the end of the start-up phase  
215 for generational water supply projects. He stated that he had a chronology to share with the  
216 Board, which included several projects, such as the completion of a new dam at Ragged  
217 Mountain, the renovation of the South Rivanna Observatory Water Treatment Plants, the  
218 replacement of the pipe and pump station to supply water from Ragged Mountain to the  
219 Observatory, and the construction of a new pipe between that and the treatment plant. He stated  
220 that the strategy was to raise the water level in the Ragged Mountain Reservoir to add 700  
221 million gallons and increase the water supply at Ragged Mountain to 2.1 billion gallons.

222 Mr. Mawyer stated that they would replace the existing pipe from Sugar Hollow Reservoir to  
223 Ragged Mountain, and the new pipe from South Rivanna Reservoir would serve as the water  
224 source for the Ragged Mountain Reservoir, as RMR did not have a natural watershed to supply  
225 itself. He stated that the community investment for these projects would be approximately \$275  
226 million when completed. He stated that in terms of chronology, the drought that prompted these  
227 efforts occurred 23 years ago in 2002. He stated that the community had taken 10 years to  
228 develop the water supply plan, which included building a new dam at Ragged Mountain to make  
229 it the primary and largest reservoir. He stated that they would supply the water to Ragged  
230 Mountain from South Rivanna Reservoir instead of Sugar Hollow.

231 Mr. Mawyer stated that in 2014, the new dam at Rivanna had been completed. He stated that  
232 when he arrived in 2016, they were in a waiting period for the completion of the remaining  
233 piping projects. He stated that they developed a plan and presented four alternatives for  
234 construction of the pipeline to the Board in 2018. The Board selected the middle timeframe of  
235 2027-2035, which coincided with the expected decrease in debt at that time. He stated that they  
236 worked proactively and installed one mile of the Ragged to Rivanna pipeline in 2018 and 2019,  
237 as part of the UVA Foundation's renovation of Birdwood Golf Course.

238 Mr. Mawyer stated that they also completed the South Rivanna and Observatory Water  
239 Treatment Plant Renovations and Improvements from 2020 to 2024. He stated that upon  
240 completion, staff recommended accelerating the pipeline project due to changing climate  
241 conditions and predictions of extended droughts. He stated that the Board concurred, and in  
242 2024, they awarded the Ragged to Observatory Pipeline Project, which was expected to be  
243 completed by 2029. He stated that today, staff would be proposing award of the capstone project,  
244 the South Rivanna to Ragged Mountain Pipeline and Pump Station Project, which could be  
245 completed over the next four years.

246 Mr. Mawyer stated that to provide historical perspective, he pulled out a newspaper article from  
247 1925, which described the original pipe from Sugar Hollow to Ragged Mountain. He stated that  
248 the pipe was approximately 100 years old and recently had been leaky. He stated that before that,  
249 there was the 1922 lease agreement between the City and UVA for the Observatory Treatment  
250 Plant property, which had been renegotiated with UVA in 2020 and would remain in effect for  
251 49 years, with a 49 year renewal option if no objections were raised.

252 Mr. Mawyer stated that today, if the Board decided to move forward, they would award the  
253 contract and begin the water line and pumping station work, which would transfer water from the  
254 South Rivanna Reservoir to the expanded Ragged Mountain Reservoir. He stated that as a result,  
255 the pipe from Sugar Hollow would be closed. He stated that with this historical context, it was  
256 clear that today marked a significant milestone.

257 Mr. Pinkston asked if the 1925 pipe was still conducting water.

258 Mr. Mawyer stated that yes, that was right, but it was prone to leaks.

259 Mr. Pinkston asked if it had ever been replaced.

260 Mr. Mawyer replied no it had not been replaced. He stated that when the community developed  
261 the water supply plan between 2002 and 2012, they were aware that the existing pipe was old

and needed to be replaced. He stated that they also recognized that the dam at Ragged Mountain was deficient and required replacement. He stated that to address both issues in one program, they proposed building a new dam at Ragged Mountain, which would also serve as the largest reservoir, despite the fact that it lacked a natural water source.

Mr. Mawyer stated that they had to pipe water from somewhere to fill Ragged Mtn reservoir, so the South Rivanna Reservoir was the logical source since it has the largest watershed. He stated that this would allow them to replace the 100-year-old Sugar Hollow pipe with a new one from Rivanna to Ragged Mountain, making the entire plan logical and cohesive.

Mr. Gaffney stated that the land between Sugar Hollow and Ragged Mountain no longer looked like the photos from 1925. He stated that it had become completely forested.

Ms. Mallek stated that she believed that there were also no easement documents, it was all handshake agreements and rough estimates for the pipe placement.

Mr. Mawyer stated that for this new Rivanna to Ragged project, it had taken almost seven years to acquire easements from 20 different parties. He stated that they purchased property from the UVA Foundation to build the pump station. He stated that the acquisition process was challenging, as they had to negotiate with both private and public entities, including Albemarle County Public Schools, the City of Charlottesville, which granted easements near the reservoir, the Department of Forestry, and a local church on Reservoir Road. He stated that they had to work with a diverse group to obtain these easements. He stated that although it was a significant effort, they were now ready to move forward with construction on this generational project.

Mr. Mawyer stated that he had provided a map of the RWSA water system within the County, which displayed how they would be able to decommission the Sugar Hollow to Ragged Pipeline and build the Rivanna to Ragged Pipeline and increase their community's drinking water supply. He stated that the Central Water Line was not part of the water supply plan but was essential for their water treatment and distribution operations. He stated that all of these projects would be awarded and under construction if approved by the Board today, except for the final piece of the Central Water Line, Phase II.

Ms. Mallek stated that she was struck by the 80% ACSA -20% City cost allocation for the pipeline from South Fork to Ragged. She stated that the pipe served the entire community, and the customers were half and half, so she was surprised that it was divided in that way.

Mr. Mawyer stated that was the agreement reached by the City, County, ACSA and RWSA in 2012. Mr. Gaffney stated that it was very challenging to get it.

Ms. Hildebrand stated that it may have something to do with the original infrastructure, which was built by the City.

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

There were none.



298 **7. RESPONSES TO PUBLIC COMMENTS**

299 There were no comments; therefore, there were no responses.

300 **8. CONSENT AGENDA**

301 *a. Staff Report on Administration and Communications*

302 *b. Staff Report on Finance*

303 *c. Staff Report on Information Technology*

304 *d. Staff Report on Operations*

305 *e. Staff Report on Drought Monitoring*

306 *f. Staff Report on Wholesale Metering*

307 *g. Approval of Term Contract for Biosolids Processing: McGill Environmental*

308 Mr. Lunsford asked if Mr. Mawyer could speak to projects 24 through 26 on the CIP report. He  
309 stated that he believed they were new and added this month. He stated that they were related to  
310 the northern area of Powell Creek, Airport Road, and the river crossing.

311 Mr. Mawyer stated that those three projects would be discussed by Ms. Whitaker today, seeking  
312 authority to initiate the design process. He stated that these projects involved upgrading the  
313 Powell Creek sewer line as well as installing a water storage tank and additional pumps at the  
314 Airport Road Pump Station. He stated that they may also need to install a pipe under the North  
315 Rivanna River to reliably get water to the north area of the County. He stated that these three  
316 projects would be discussed in more detail during Ms. Whitaker's presentation.

317 Mr. Lunsford asked if they were looking to do a study for those projects.

318 Mr. Mawyer stated that it would be preliminary engineering.

319 Mr. Lunsford asked if the Board was being asked to approve \$103 million of projects today.

320 Mr. Mawyer stated that the request was only for the initial planning and design studies for those  
321 projects. He stated that construction costs for those projects would be considered in the proposed  
322 CIP the Board would receive in February.

323 Ms. Hildebrand asked if it would be more effective or clearer to modify the listing of projects to  
324 simply reflect the dollars allocated for the studies, rather than including the entire dollar amount  
325 of the entire project. She stated that at this point, those were the best estimates.

326 Mr. Mawyer stated that yes, the budget would reflect only the study costs approved today.

327 Mr. Lunsford asked if those projects would be included in the planning and study section of the  
328 CIP Report, not the design-build section.

329 Mr. Mawyer stated that was correct.

330 Mr. Lunsford stated that he would like to request that any changes or additions be highlighted in  
331 some way, so it was clear what had been modified. Mr. Mawyer said they would highlight  
332 changes in the CIP Report in the future.

333 **Mr. Pinkston moved that the Board of Directors approve the consent agenda subject to the**  
334 **proposed amendments. Ms. Mallek seconded the motion, which carried unanimously (7-0).**

335 **9. OTHER BUSINESS**

336 *a. Presentation and Consider Vote to Accept: FY 25 Audit Report*

337 Matthew McLearen, Robinson, Farmer, Cox Associates, stated that his firm performed the Fiscal  
338 Year 2025 Audit, and he would present the results of that audit and the required communications  
339 with the governance body, which is in a separate document issued to the Authority. He stated  
340 that to describe this letter, it outlined the required communication responsibilities under the  
341 audit. He stated that management of the Authority was responsible for implementing appropriate  
342 accounting policies, applying new accounting policies, and ensuring the financial statements  
343 were accurate and reliable. He stated that they were also responsible for maintaining records  
344 sufficient to audit and implementing a system of internal controls throughout the entire fiscal  
345 year.

346 Mr. McLearen stated that as the auditor, his responsibility was to audit those documents, test the  
347 internal controls, and provide an opinion on the financial statements. He stated that the next item  
348 described in this letter concerned accounting estimates. He stated that most financial statements  
349 included consideration for accounting estimates, which could vary greatly but were generally  
350 based on similar authorities and entities. He stated that significant estimates included in this set  
351 of financial statements related to the depreciable lives of fixed assets, as well as the measurement  
352 of pension and other post-employment benefit (OPEB) liabilities, which did come from other  
353 third-party professionals.

354 Mr. McLearen stated that he would like to report that there were no difficulties encountered  
355 during the audit. He stated that the next item concerned audit adjustments. He stated that most  
356 audits included proposed adjustments, which were considered corrected misstatements. He  
357 stated that he was pleased to report that they had very few audit adjustments this year, and all of  
358 them were considered corrected. He stated that lastly, they were also required to disclose their  
359 knowledge of whether management had sought a second opinion and opinion shopping, which he  
360 was pleased to report they had no such knowledge.

361 Mr. McLearen stated that reports had been issued, which were contained in the Annual  
362 Comprehensive Financial Report. He stated that the first report was the independent auditor's  
363 report, which was an unmodified or plain opinion. He stated that this was dated October 29,  
364 2025, for the year-end June 30, 2025. He stated that the second report was an independent  
365 auditor's report on internal controls. He stated that they had tested the internal control structure in  
366 place, which was designed to support financial reporting throughout the year, not just at year-  
367 end. He stated that it included segregation of duties and controls to mitigate misappropriation of  
368 assets and financial reporting errors.

Mr. McLearen stated that he was pleased to report that they had disclosed that there were no material weaknesses or significant deficiencies in the internal control structure. He stated that he would like to briefly point out the financial statements in this document. He stated that there were three financial statements. He stated that the first, Exhibit 1, was the statement of net position, similar to a balance sheet for a for-profit entity on pages 30 and 31. He stated that the second page reported the Authority's net position, which was the term for equity, and at June 30, 2025, the Authority's net position was approximately \$196 million. He stated that the second financial statement, Exhibit 2, was the statement of revenues, expenses, and changes in that position, similar to a profit and loss statement for a for-profit entity.

Mr. McLearen stated that the key number on this statement was the change in equity or net position, which the Authority reported as an increase of \$12.8 million for the year ending June 30, 2025. He stated that the third and final financial statement was the statement of cash flows, which reported the ending cash balance. He stated that as of June 30, 2025, the Authority's ending cash position was approximately \$135 million.

**Mr. Pinkston moved that the Board of Directors accept the Annual Comprehensive Financial Report year ended June 20, 2025 (FY25). Ms. Mallek seconded the motion, which carried unanimously (7-0).**

Mr. McLearen stated that he would like to take a moment to acknowledge Mr. Wood and his team for their assistance throughout this process.

*b. Presentation and Consider Vote to Approve: Purchase of Portable Emergency Power Generator: Moores Creek*

Steven Minnis, Maintenance Department Manager, stated that he had been with the Authority for 33 years in Maintenance. He stated that as a Mechanic at the Water and Sewer Department, emergency generators had been a significant part of his work responsibility. He stated that he would like to start by discussing their current situation. He stated that most of their sites had permanent emergency backup power generators. He stated that their existing portable generator, which had been purchased in 2011, was a 1988 model that they had bought used. He stated that it had largely outlived its useful life due to their facilities' growth, making it too small. He stated that although it still ran, it was no longer sufficient.

Mr. Minnis stated that he took great pride in their generators, which were critical to their operations. He stated that they were only needed when needed, and he was proud to say they were well-maintained and of high quality. He stated that the new portable generator they were hoping to purchase would upgrade their capabilities, allowing them to serve 18 of their facilities, as opposed to four with the current generator. He stated that this new portable generator offered a significant upgrade, as it could operate at 208 three-phase, 277, and 480 three-phase voltages, a major step up in versatility and reliability.

Mr. Minnis stated that with this new generator, they would be able to power the Glenmore, Scottsville, Stone Robinson, and Crozet Pump Stations 1 through 4 on the wastewater side, and on the water side, North Rivanna Water Plant, Scottsville Water Plant, Crozet Raw Water Pump Station, Red Hill Water Treatment Plant, and five water pump stations to include Airport Road,

409 Stillhouse, Royal, Scottsville, and Stadium Road, along with the Ragged Mountain Dam and  
410 Sugar Hollow Dam.

411 Mr. Minnis stated that this purchase was a significant investment for the Maintenance  
412 Department, and he would like to highlight its potential benefits. He stated for example, they had  
413 recently experienced an issue at Moores Creek, where a new transformer malfunctioned, causing  
414 an 8-hour time period of modified operations while they waited for a rental generator to be  
415 delivered from Richmond and connected. He stated that if they had their own portable generator,  
416 it would have likely reduced their response time to around an hour and a half, allowing them to  
417 get the building back up and running more quickly.

418 Mr. Mawyer asked what had happened to the wastewater during those hours.

419 Mr. Minnis stated that the plant was operating in a bypass mode, where they bypassed the sludge  
420 building. He stated that Operations redirected the flow to another clarifier. He stated that he  
421 believed they were able to avoid bringing in additional holding ponds, if he was correct. He  
422 stated that they were able to maintain everything within the single clarifier. He stated that once  
423 the generator was back online and the sludge building was operational again, they were able to  
424 resume normal operations.

425 Mr. Mawyer asked if they were using the rental generator today.

426 Mr. Minnis stated that yes, they were. He stated that Nelson Electric from Richmond had been  
427 there today, and Hitachi, the manufacturer of the transformer, sent their specialists to address the  
428 problem. He stated that upon inspection, it was discovered that two high-voltage fuses had blown  
429 inside the transformer, which operates at 4160 volts. He stated that this required specialized  
430 expertise to repair. He stated that Hitachi's specialists were called in, and they were still awaiting  
431 the exact outcome. He stated that they would get the system back online, but currently, it was  
432 running on the generator.

433 Ms. Mallek stated that the new portable generator would be able to serve one location at a time.  
434 She stated that the logistics would be around where it was most needed, because it may be  
435 needed at a specific building more than another.

436 Mr. Minnis stated that yes, it was a matter of triage, determining what was most important. He  
437 stated that they did have redundant emergency power at their facilities, and this portable  
438 generator would minimize the potential for multiple issues.

439 Ms. Mallek stated that she would never forget the propane running out for the large generator  
440 located in Crozet during the snow and shoveling out to allow the gas truck there.

441 Ms. Hildebrand stated that she had a clarifying question. She asked if this generator was for  
442 redundancy at locations that already had permanent generators. She stated that if the primary  
443 generator failed, this backup generator was brought in, but now they had generators at all of  
444 these locations.

445 Mr. Minnis stated that that was correct. He stated that they had permanent generators everywhere  
446 except for Royal, Stone Robinson, and Totier Creek pump stations.

447 Ms. Hildebrand asked if the sludge pump building was hooked up to a primary generator.

448 Mr. Minnis stated that it was connected to the main plant generator, but with the failure of the  
449 transformer, power could not be transmitted from the electrical switch gear through the  
450 transformer to the motor control center. He stated that it was indeed a redundant system.

451 Ms. Hildebrand asked if they had main generators at Moores Creek, so there were not pockets of  
452 generators.

453 Mr. Minnis stated that they had the main plant emergency generator which had a new upgrade  
454 around 2008 or 2009, the Rivanna Pump Station, and one for Moores Creek Pump Station.

455 He stated that the request from staff was to authorize the Executive Director to execute a  
456 Purchase Order with Carter Machinery for the purchase of a CAT portable power generator for  
457 an amount not to exceed \$299,430.

458 Mr. Mawyer stated that their purchasing rules permitted Mr. Wood and himself to purchase up to  
459 \$300,000. He stated that this amount was close to the maximum that could be authorized by  
460 staff, so they wished to bring it to the Board for approval and provide the Board with insight into  
461 some of the equipment they needed to purchase.

462 **Mr. Pinkston moved that the Board of Directors authorize the Executive Director to**  
463 **execute a Purchase Order with Carter Machinery for the purchase of the CAT portable**  
464 **power generator, not to exceed \$299,430. Ms. Mallek seconded the motion, which carried**  
465 **unanimously (7-0).**

466 *c. Presentation and Consider Vote to Approve: Glenmore Water Resource Recovery*  
467 *Facility Improvements*

468 Dyon Vega, P.E., Civil Engineer, stated that he would present on the Glenmore Water Resource  
469 Recovery Facility, specifically on the proposed upgrades for blowers, Ultraviolet light (UV)  
470 disinfection system, and manual transfer switch improvements. He stated that he had provided an  
471 aerial view that showed the UV disinfection channel on the left, the manual transfer switch in the  
472 middle, and the blower building enclosure on the right.

473 Mr. Vega stated that for background, Glenmore was constructed in 1992. He stated that in 2022,  
474 they added a third influent pump, and in 2023, they conducted a needs assessment to identify  
475 potential future infrastructure repairs needed. He stated that the assessment identified three  
476 items: the aeration blowers, the UV disinfection system, and the need for a manual transfer  
477 switch. He stated that the provided photos in the presentation showed the air blower unit  
478 enclosure and the existing air blower units.

479 Mr. Vega stated that the current blowers had a noise issue, were only partially covered, and had  
480 reached the end of their useful life. He stated that additionally, the existing blowers did not have  
481 the capability to be connected to an external generator, as Mr. Minnis discussed. He stated that  
482 the original UV disinfection system was deteriorated and no longer supported by the  
483 manufacturer; it was recently replaced through an emergency procurement contract, and that cost  
484 was included in this overall CIP project.

Mr. Vega stated that the diagram showed the wastewater flow as it moved through the aerobic digesters to remove nutrients, to the UV lamps for disinfection before exiting to the Rivanna River. He stated that the UV system operated continuously and was a critical component of the overall system. He stated that the new blowers would have their own confinement system to reduce noise and operate similarly to the existing blowers. Mr. Vega stated that there was also a canopy to be installed over the UV unit, allowing for maintenance to be performed without exposure to the weather. He stated that then, there was a manual transfer switch, which would enable easy connection to the existing backup generator. He stated that the manual transfer switch was already located in a box and could be easily connected to the generator.

Mr. Vega stated that they received two bids, with Maverick Construction LLC as the lowest bid at \$1,067,125. He stated that the total project budget was \$1.955 million, and the FY26-30 budget for Phase 1 was \$1.95 million. He stated that they anticipated construction to begin in June 2026 and be completed by January 2028.

**Mr. Pinkston moved that the Board of Directors authorize the Executive Director to execute a construction contract with Maverick Construction, LLC totaling \$1,067,125 to provide two aeration air blowers, a metal canopy over the existing UV system, and a manual transfer switch and receptacle for a portable generator, as well as any change orders to the construction contract up to 10% of the original construction contract amount. Ms. Mallek seconded the motion, which carried unanimously (7-0).**

*d. Presentation and Consider Vote to Approve: South Rivanna to Ragged Mountain Reservoir Pipeline, Intake, & Pump Station Construction Award*

Austin Marrs, P.E., Senior Civil Engineer, stated that he was fortunate to dive deeper into the project that Mr. Mawyer had discussed earlier, the South Rivanna to Ragged Mountain Reservoir Pipeline, Pump Station and Intake Project. He stated that he would review the scope of work and recommend a construction contract award. He stated that as Mr. Mawyer had mentioned earlier, this was their last project from the 2012 Community Water Supply Plan. He stated that it would include 6.5 miles of 36-inch ductile iron raw water pipelines.

Mr. Marrs stated the pipeline would run from the South Rivanna Reservoir to the Birdwood Golf Course at Route 250 West in Ivy. He stated that the project would also include a raw water intake and pump station with a 41 million gallon per day (MGD) capacity, which would replace the existing pump station that was built in the 1960s. He stated that the system could transfer 25 MGD to Ragged Mountain Reservoir, 10 MGD to Observatory Water Treatment Plant, and 16 MGD to South Rivanna Water Treatment Plant.

Mr. Marrs stated that the project also included several ancillary items, such as a one-megawatt emergency power generator, a new chemical storage building at South Rivanna Water Treatment Plant, a waterway barrier across the South Rivanna Reservoir, and additional pumps at the Ragged Mountain Raw Water Pump Station. He stated that they were recommending a construction contract be awarded to Garney Companies of Fairfax, Virginia at a cost of just under \$88 million. He stated that the pipeline was approximately 6.5 miles long, and the route's map was shown on the screen. He stated that this particular leg of the project would extend from the South Rivanna Reservoir to the Birdwood Golf Course. It would involve a mixture of

526 roadway-based construction, including Hydraulic Road, Lambs Road, and Lambs Lane, as well  
527 as construction in easements along the way.

528 Mr. Marrs stated that as a result, they had had extensive coordination with several organizations,  
529 including Virginia Department of Transportation (VDOT), Albemarle County Public Schools  
530 (ACPS), the UVA Foundation, and the Colthurst Homeowners Association (HOA). He stated  
531 that they also had a time-of-year restriction for tree clearing, similar to their previous community  
532 water supply plant projects, due to restrictions associated with the northern long-eared bat, an  
533 endangered species; they can only clear trees between November 15 and March 31.

534 Mr. Marrs stated that the intake and pump station was a large facility, with a capacity of 41  
535 MGD. He stated that this system would be able to transfer 16 million gallons to the South  
536 Rivanna Treatment Plant, as well as 25 million gallons south toward the Ragged Mountain  
537 Reservoir and Observatory Water Treatment Plant, where it would interact with the Ragged  
538 Mountain Raw Water Pump Station. He stated that this would allow them to split the flow as  
539 desired. He stated that two sets of raw water intake screens would be tunneled into the South  
540 Rivanna reservoir, designed in accordance with Department of Environmental Quality (DEQ)  
541 permit requirements to protect aquatic wildlife and prevent the introduction of fish and other  
542 small creatures into the treatment plant.

543 Mr. Marrs stated that this system would replace the existing 12 MGD pump station located at the  
544 South Rivanna dam. He stated that renderings were provided, showing the system in two  
545 different scenarios: one depicting the station as seen from the South Rivanna Reservoir, and the  
546 other showing the system within the pump station.

547 Ms. Mallek asked if the depth of the water for the screens was at six or eight feet.

548 Mr. Marrs stated that one intake was approximately eight to 10 feet below the surface, while the  
549 other was closer to 15 feet. He stated that the intake screens were quite large, so even the 10-foot  
550 intake could effectively pull water from a 5-foot elevation, which had historically been their  
551 preferred elevation for achieving the best water quality in the reservoir.

552 Ms. Mallek asked how much depth there was below the deeper screen before reaching the  
553 sludge.

554 Mr. Marrs stated the elevation of 367 feet is the bottom of the usable storage area. He stated that  
555 he believed there was another 15 to 20 feet below that, but historically, this area had been  
556 considered the sedimentation zone for the reservoir. He stated that it was possible that the  
557 reservoir could silt in over time, so they were trying to avoid that situation.

558 Ms. Mallek asked if there was a barrier installed.

559 Mr. Marrs stated yes and that he had a better map he would show later. He stated that he would  
560 like to touch on the other improvements. He stated that there were renderings of the new  
561 chemical building that would be built at the South Rivanna Treatment Plant, replacing the  
562 existing building and ultimately providing a larger and more reliable system. He stated that they  
563 would also construct the waterway barrier system that they had previously discussed. He stated  
564 that this would be a public safety enhancement, replacing the buoy system currently in place,

565 which frequently washed up against the dam. He stated that it would keep boaters away from the  
566 dam and the intake screens.

567 Mr. Marrs stated that three additional pumps would be installed under this contract at the Ragged  
568 Mountain Pump Station currently being constructed by Thalle Construction in a separate  
569 contract. He stated that these final three pumps would enable the water to be transferred from  
570 South Rivanna to Ragged Mountain and/or Observatory Water Treatment Plant.

571 He stated that he would like to provide details about the existing facilities. He stated that the  
572 existing raw water pump station was from the early 1960s and had limited pumping capabilities  
573 at 12 MGD, which was not sufficient for the future anticipated demands for the South Rivanna  
574 Treatment Plant. Mr. Marrs stated that the building itself was in decent shape, so they may  
575 repurpose and salvage it for potential storage space in the future.

576 He stated that the existing permanganate building was a mid-1980s construction and had outlived  
577 its useful service life. He stated that it had served as a powdered activated carbon feed building  
578 and a permanganate feed building over the past 40 years. He stated that this building would be  
579 demolished, and the new building would be constructed next to it. He stated that they would not  
580 demolish it until the new chemical feed building was complete.

581 He stated that the waterway barrier that they had discussed was shown on the right-hand side of  
582 the presentation slide, outlined in red. Mr. Marrs stated that it would keep boaters away from the  
583 intake screens. He stated that the actual system would have two screens as well as an air burst  
584 cleaning system to clean the screens from leaves and debris. He stated that they would also want  
585 to keep boaters away from that and the dam. He stated that the barrier would be designed to  
586 prevent someone from boating over the dam.

587 Mr. Gaffney asked what happened when trees floated into the barrier.

588 Mr. Marrs stated that the barrier system was set up with a breakaway link in the chain, which  
589 was designed to fail under a certain amount of pressure. He stated that once the trees  
590 accumulated against it, the breakaway link exceeded its loading capacity, it would break away,  
591 letting the trees pass. He stated that after the storm had passed and the trees had been cleared,  
592 crews would reassemble the barrier. He stated that the system was intended to allow the trees to  
593 pass through without causing damage.

594 Ms. Mallek asked if there was any other curtain part of the barrier.

595 Mr. Marrs stated yes; there was a curtain that went below the surface.

596 Mr. Marrs stated that in reviewing the budget and bidding results, their adopted CIP value for  
597 this project was \$123 million, with an engineer's estimate of about \$103 million for construction.  
598 He stated that they had advertised this project in November and received four competitive  
599 construction bids. He stated that the lowest bid was from Garney Companies, which they had  
600 reviewed with their consultant engineer and found to be responsive and responsible to the  
601 contractual requirements.



602 Mr. Marrs stated that incorporating that bid into the construction budget brought the total to  
603 \$119.5 million. He stated that the project schedule started in February 2026 and would run  
604 through 2030. A more detailed overview of the budget was then provided. He stated that the  
605 construction project with a contingency gave them a total of \$95.25 million. He stated that they  
606 were proposing to pre-procure an emergency generator and a waterway barrier, which would cost  
607 approximately \$1 million combined. He stated that this amount was also included in the Board  
608 packet.

609 Mr. Marrs stated that they were allocating \$1.5 million for Dominion Energy coordination, as  
610 they would need a reliable power service for this infrastructure. He stated that they were actively  
611 working with Dominion to achieve the most effective solution, which may require realigning the  
612 power service to eliminate an existing river crossing. He stated that they anticipated some costs  
613 associated with this process. He stated that there was also a budget of \$500,000 for legal and  
614 miscellaneous fees. He stated that the Ragged Mountain Pool Raise Project was also included in  
615 this budget, which totaled \$13.3 million. He stated that when they added up all these costs, they  
616 got a total of \$119.5 million, which represented a \$3.5 million dollar savings over the adopted  
617 CIP value.

618 Mr. Lunsford asked if Mr. Marrs could walk through the full process of the generator and  
619 waterway barrier.

620 Mr. Marrs stated that regarding the generator, the Authority has attempted to standardize  
621 Caterpillar equipment, as they had existing service contracts with them. He stated that most of  
622 their generators were Caterpillar; however, in a bidding environment, they could not easily sole-  
623 source on a particular manufacturer, so they decided to purchase the equipment that they worked  
624 with Mr. Minnis and his team to identify as necessary.

625 Mr. Marrs stated that they wrote the contract to minimize their risk, while also clearly outlining  
626 the responsibilities. He stated that regarding the waterway barrier system, they found that  
627 Worthington was the only option available, and they conducted thorough research. He stated that  
628 from a contractual standpoint, it seemed simpler for Rivanna to provide the equipment to the  
629 low-bid contractor. He stated that the contract also included language to mitigate both their risk  
630 and the contractor's risk.

631 Mr. Mawyer asked if Mr. Marrs could explain the Sourcewell program.

632 Mr. Marrs stated that Carter Machinery did participate in the Sourcewell program, which is a  
633 cooperatively procured contract the Authority participates in. This means that competitive  
634 pricing with discounted rates was provided.

635 Ms. Mallek asked if Worthington was a Virginia-based company.

636 Mr. Marrs stated that they were based out of Ohio, but they had provided waterway barriers to  
637 numerous facilities, including one in Spotsylvania and some in Richmond. He stated that they  
638 worked closely with many municipalities in this region.

639 Mr. Mawyer stated that Fairfax Water used them.

640 Mr. Marrs stated that there was a 30-year warranty on the systems, and the company truly stood  
641 behind their product. He stated that they had conducted thorough research before selecting this  
642 path and obtained samples, meeting with them extensively. He stated that as a result, they were  
643 quite confident in their product.

644 Ms. Hildebrand asked if they would be purchasing the generator currently or if it would be  
645 purchased as it was incorporated into the project.

646 Mr. Marrs stated that they were currently purchasing the equipment, and they would provide it to  
647 the contractor for installation. He stated that the purchase order would be between Rivanna and  
648 Carter. He stated that in this arrangement, they would hand the generator over to the contractor,  
649 and they would wire it, install it, test it, and complete the necessary work.

650 Ms. Hildebrand asked if it would be sitting for a few years or if it would be installed  
651 immediately.

652 Mr. Marrs stated they had worked with Carter to sequence out the manufacturing process to  
653 minimize the time before installation. He stated that if a gap did occur, they could implement a  
654 preventive maintenance program, which involved keeping the equipment on Carter's yard and  
655 helping to preserve it. He stated that Carter would also use a special oil additive to prepare the  
656 equipment for storage. He stated that the warranty was long enough that it did not actually begin  
657 until the equipment was delivered to the site, so they were covered.

658 Mr. Gaffney asked Ms. Long if the motion for this item needed to include the entire document.

659 Ms. Long stated that was not necessary. She stated that they could refer to the prepared motion  
660 on the screen and included in the agenda packet, but they could read the entire language out loud  
661 if they wanted to.

662 **Ms. Mallek moved that the Board of Directors authorize the Executive Director to execute**  
663 **a (1) construction contract with Garney Companies, Inc. for a total amount of \$87,633,497**  
664 **and any change orders to the contract necessary for completion of the work not to exceed**  
665 **10% of the original construction contract amount; (2) Purchase Order with Carter**  
666 **Machinery Company, Inc. for a CAT generator and associated appurtenances as owner-**  
667 **supplied equipment for an amount not to exceed \$612,362, and to execute necessary**  
668 **amendments up to 10% of the initial authorization; (3) Purchase Order with Worthington**  
669 **Products, Inc. for an ODIN series waterway barrier system as owner-supplied equipment**  
670 **for an amount not to exceed \$469,687.80, and to execute necessary amendments up to 10%**  
671 **of the initial authorization. Mr. Pinkston seconded the motion, which carried unanimously**  
672 **(7-0).**

673 Mr. Marrs stated that he appreciated the Board's support for this plan and thanked Operations  
674 and Maintenance for their assistance throughout the design process.

675 Mr. Mawyer stated that he would like to extend his gratitude to Jennifer Whitaker, Scott Schiller,  
676 and Austin Marrs for their efforts in planning, designing, and securing easements for these  
677 projects. He stated that they were excited to now move forward with the construction phase.

*e. Presentation and Consider Vote to Approve: Amendment of the FY 26-30 Capital Improvement Plan – Northern Service Area Utility Projects*

Jennifer Whitaker, P.E., Director of Engineering and Maintenance stated that she would like to touch on a few projects in the northern area of Albemarle County and explain why they were being proposed now. She stated that the Urban Service Area was a topic that has been discussed before, but to help illustrate the concept, she had included two maps: one for their wastewater system and one for their water system. She stated that although they were not identical, they shared very similar shapes. She stated that they provided water and sewer services to approximately 125,000 people in the urban area, with three water treatment plants and one wastewater plant serving these areas.

Ms. Whitaker stated that she would focus on the northern area, which was defined as everything utility-wise north of the Route 29 Bridge over the South Rivanna River. She stated that the graphic on the right highlighted the South Rivanna River in red, and thus, the Northern Service Area encompassed everything north of that point. She stated that on the water side of their existing infrastructure, they had several key facilities, including the Airport Road Finished Water Pump Station in the Hollymead area, the North Rivanna Water Treatment Plant behind the Camelot subdivision, the North Rivanna Water Line running north-south along Route 29, and the Piney Mountain Tank, which was located near the Greene County line.

Ms. Whitaker stated that on the sanitary sewer side, the Powell Creek Interceptor was shown in green on the right-hand side. She stated that all other sewer services in the area are provided by Albemarle County Service Authority. She stated that it was worth noting that they had planned to decommission the North Rivanna Water Treatment Plant, but this has been delayed due to some of the work that she would discuss today. She stated that earlier this year, she presented the 2024-2025 Northern Area Utilities Master Plan, which was based on data from 2024, while being presented in 2025.

Ms. Whitaker stated that the master plan had four goals: (1) analyze upcoming developments to better understand their utility capacity and potential needs, (2) utilize their water and sewer models to assess the impact of additional demands, (3) develop the specific capital improvement program to serve the area and its future needs, and (4) compare this plan to their 2019 Urban Finished Water Master Plan. She stated that to illustrate the outcome of this study, she had included a table that highlighted key sentinel years. She stated that they used the years 2030, 2045, and 2070, and for each of those years, they calculated their existing or planned capacity, water demand, and peak water or sewer demand.

Ms. Whitaker stated that of import to today's discussion was the modeling for the projected demand in the north zone. She stated that the 2019 Urban Finished Water Master Plan was in the first two columns of the chart and indicated that by 2030, they anticipated a demand of approximately 0.86 million gallons per day in the northern area under maximum day conditions. She stated that however, when they completed the 2024-25 Northern Area Master Plan, that number increased to 1.69 million gallons per day, based on growth projections from major developers and general area growth. She stated that this represented a 0.83 million gallons per day increase in maximum daily demand.

719 Ms. Whitaker stated that in October 2025, AstraZeneca announced plans to build a facility in the  
720 Rivanna Futures property. She stated that they had also been in ongoing conversations with the  
721 UVA Foundation regarding their properties. She stated that there were several other key  
722 commercial properties in the northern area, such as the GE Fanuc plant, as well as residential  
723 areas such as North Pointe. She stated that they continued to receive site plans and interest from  
724 these facilities and entities. She stated that as part of their conversation, they considered whether  
725 they need to look beyond their Northern Area Utilities Master Plan, and the answer immediately  
726 was yes.

727 Ms. Whitaker stated that the AstraZeneca facilities were coming online between 2027 and 2029,  
728 noting there was some debate about the exact timeline. She stated that they were currently having  
729 ongoing conversations with County staff and AstraZeneca, and the timeline could be anytime  
730 between 2027 and 2030, depending on the planning process. She stated that they anticipated  
731 gaining clarity on the demands and timeline over the next six months. She stated that it was  
732 essential to note that shortly after releasing the Northern Area Utilities Master Plan, they  
733 received this new information related to projected demand.

734 Ms. Whitaker stated that in terms of what this meant, the Urban Finished Water Master Plan  
735 showed 0.86 million gallons per day demand, while the Northern Area Master Plan showed 1.69  
736 million gallons per day demand. She stated that based on the information they had received to  
737 date, they were now looking at a demand difference of almost 3 million gallons per day. She  
738 stated that this would result in significantly different projects for both water and sewer. She  
739 stated that again, they expected to receive more refined information from January to June 2026,  
740 which would allow them to update these numbers.

741 Ms. Whitaker stated that staff previously presented a table showing the updated Northern Area  
742 Water System Improvement Projects through 2070. She stated that they had outlined the  
743 projects they anticipated in 2024 and 2025 that would need to be constructed over time. She  
744 stated that if they examined the column with the purple arrow at the top, they would see the  
745 anticipated completion dates for those projects. She stated that when they looked at the green  
746 arrow, they would see that it was their current proposed Capital Improvement Plan, which they  
747 were working through with the Board subcommittee.

748 Ms. Whitaker stated that based on those accelerated demands and increased numbers, the  
749 completion dates had to be revised significantly. She stated that they would see a yellow arrow,  
750 which was another projection they had done that advanced those numbers even further. She  
751 stated that she would like to draw the Board's attention to the red boxes. She stated that these  
752 were key projects that, if they wanted to have these facilities online by the time AstraZeneca and  
753 others were ready for service, they needed to begin the preliminary engineering, evaluation and  
754 permitting process now.

755 Ms. Whitaker stated that she would like to speak more about these highlighted projects. She  
756 stated that on the water side, there were several key projects. She stated that currently, the South  
757 Fork Rivanna River Crossing was under construction. She stated that they also had the Airport  
758 Road Finished Water Pump Station Addition, and the Berkmar Drive Water Main Extension was  
759 part of a VDOT project already planned for the next couple of years. She stated that they were  
760 considering one, and potential two, water storage tanks at Airport Road. She stated that they

761 were also planning a second crossing of the North Fork Rivanna River, which currently only had  
762 a single crossing.

763 Ms. Whitaker stated that they were looking at replacing the late 1960s- early 1970s vintage water  
764 main for a portion of the North Fork Rivanna Water Main, which was prone to breaks and  
765 operated under about 180 per square inch of pressure. She stated that this is a key vulnerability  
766 for them. She stated that even before the demand growth, they felt that this project needed to  
767 proceed. She stated that there were also private development piping plans, and they were  
768 working with the Service Authority on those as well.

769 Ms. Whitaker stated that on the sewer side, they had the Powell Creek Interceptor, which ran  
770 from Forest Lakes North to Forest Lakes South. She stated that initially, their evaluation  
771 indicated that Powell Creek sections 4 and 5 of the sewer line most likely needed to be upsized.  
772 She stated that as demand numbers became clearer, they would know better when and how those  
773 sections needed to be upgraded. She stated that additionally, sections 1 through 3 may need to be  
774 upgraded either with the initial tranche or at a later date as well. She stated that the conclusions  
775 from all this work were that the 2025 Northern Area Utilities Master Plan showed faster growth  
776 than what they had anticipated in 2019, which was not a surprise.

777 Ms. Whitaker stated that the addition of AstraZeneca and other large developments in the  
778 northern area significantly increased the anticipated demand, and several capital projects now  
779 required advancement to meet this need. She stated that with the projected manufacturing start  
780 date ranging from 2027-2029 or 2028-2030, depending on the data used, they needed to initiate  
781 preliminary engineering evaluation and permitting on some of these projects. Consequently, they  
782 had included these projects in the proposed FY 27-31 CIP. She stated that for the time being,  
783 they were requesting \$500,000 for each of the three projects, totaling \$1.5 million to initiate  
784 preliminary design, permitting, and surveying activities for the Airport Road tank and pump  
785 station improvements, the North Fork River crossing and select piping replacement, and the  
786 Powell Creek Interceptor.

787 Ms. Mallek stated that on page 93, it looked like the peak flow had tripled. She asked if Ms.  
788 Whitaker could explain that.

789 Ms. Whitaker stated that on the water side, the difference between an average day and a peak day  
790 was typically around 1.5. She stated that this was primarily due to hot weather, evaporation,  
791 increased use of laundry and showers, and industrial cooling. She stated that this was reflected in  
792 the industry-wide average, which ranged from 1.3 to 1.6. She stated that as a general guideline,  
793 1.5 was considered a reasonable peak factor. She stated that on the wastewater side, there were  
794 several factors that contributed to peak flow, including inflow and infiltration of stormwater and  
795 industrial inputs. She stated that the latter factor would be specific to industrial production and  
796 would significantly impact their understanding of peak hour, peak day, and peak wastewater  
797 flow. She stated that once they had more detailed information on this, it would help them refine  
798 their estimates.

799 Ms. Mallek asked if hookup fees would depend on the costs of installing all of the infrastructure  
800 or if it was strictly based on a household's consumption, or a combination.

801 Mr. Lunsford stated that from the perspective of ACSA, these projects would undoubtedly result  
802 in additional charges that would need to be incurred.

803 Ms. Mallek asked if these users would get their own category.

804 Mr. Lunsford stated that they would be considered a large and unusual customer, warranting  
805 special consideration.

806 Mr. Gaffney asked if that meant they would have large and unusual fees.

807 Mr. Lunsford stated that engineering calculations would be necessary to support these costs. He  
808 stated that if they were treated differently from others, it was because they had to recognize the  
809 unique needs and requirements they brought. He stated that it would not be until they truly  
810 understood the demand that they could determine the necessary fees.

811 Ms. Hildebrand asked if there needed to be additional language in the Board action to clarify that  
812 these were studies, because it referred to preliminary engineering.

813 Ms. Whitaker stated that she would suggest adding the language from the third bullet point,  
814 where it referenced the preliminary engineering, evaluation and permitting.

815 Ms. Hildebrand stated that adding that language would improve it immensely.

816 Ms. Mallek stated that instead of saying they were adding the projects and funding them, they  
817 were adding the preliminary engineering.

818 Ms. Whitaker stated that the tank permitting process in particular was expected to take as long as  
819 a year and a half. She stated that they were very interested in moving forward with this process  
820 and obtaining the necessary approvals.

821 **Ms. Hildebrand moved that the Board of Directors approve an Amendment to the FY**  
822 **2026-2030 Capital Improvement Plan to advance \$1.5M in funding for three projects:**  
823 **Airport Road Tank(s) and Pumping Improvements; North Fork Rivanna River Crossing**  
824 **and Select Piping Replacement, and the Powell Creek Interceptor Upgrade, to begin**  
825 **preliminary engineering, evaluation, and permitting. Ms. Mallek seconded the motion,**  
826 **which carried unanimously (7-0).**

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

828 Ms. Mallek stated that she had a question she had forgotten to ask earlier. She asked if Rivanna  
829 staff received reports from McGill that provided details of their services, other than receiving  
830 their local solid waste. She stated that she was trying to clarify their responsibilities and how  
831 they handled the funds to quell any rumors that may be circulating.

832 Mr. Tungate stated that they made the product commercially available, primarily for large retail  
833 customers.

834 Ms. Mallek asked if they provided information about what they were mixing into the materials  
835 they sent them. She stated that they were paying them a lot of money.

836 Mr. Mawyer stated that they had not received any specific information on that topic. He stated  
837 that they did go and observe their processes, and they used a variety of materials to make  
838 compost including cash from the Federal Reserve, food waste, and other various components.

839 Ms. Mallek stated that she was mostly concerned about the stuff being delivered, and that was  
840 what she was trying to find out.

841 Mr. Mawyer stated that on behalf of the staff, he would like to thank the Board for the support  
842 they had provided this year. He stated that he hoped they had a happy holiday season and looked  
843 forward to another dynamic year in 2026.

844 ***11. CLOSED MEETING***

845 There was no reason for a closed meeting.

846 ***12. ADJOURNMENT***

847 **Ms. Mallek moved that the Board of Directors adjourn the meeting. Mr. Pinkston seconded**  
848 **the motion, which carried unanimously (7-0).**



## MEMORANDUM

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

**FROM: BILL MAWYER, EXECUTIVE DIRECTOR**

**SUBJECT: EXECUTIVE DIRECTOR'S REPORT**

**DATE: JANUARY 27, 2026**

### **Welcome New Board Member**

We are pleased to have Lloyd Snook, Charlottesville City Councilor, join our Board again. Mr. Snook served on our Board from January 2020- December 2021. Welcome back, Mr. Snook!

### *STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT*

### **Welcome New Human Resources Manager**

Welcome to LaToya Smith, our new Human Resources Manager. LaToya holds a Bachelor's and Master's degrees in Business Administration, with a concentration in Human Resources Management, and certifications in Leadership Development and Engagement & Inclusion. Prior to joining us, LaToya served as Employee Relations Manager with a nationwide IT consulting firm.

### **Recognitions**

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

- Madeleine Munce, Wastewater Operator Class 3. Madeleine started here in March 2025 and holds a BS with a Chemistry major and Biology minor from Ferrum College.
- Michelle Derryberry, Water Operator Class 2. Michelle started here in September 2025 and has a Certification in Environmental Technology from Folsom Lake College, Folsom, CA and holds Water and Wastewater Operator Licenses in California.

Our Maintenance Department staff completed the following Apprenticeship Program:

- Matt Walker - completed Industrial Maintenance Mechanic Apprenticeship Program classes and is now eligible for a Journeyman's card. Mr. Walker completed 8000 hours as a Maintenance Mechanic, as required by the Virginia Apprenticeship Program.



## *STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION*

### **Facilities Tour**

We were pleased to provide a “windshield” tour of our facilities, along with a presentation to Lloyd Snook, Board Member and City Councilor, Jen Fleisher, City Councilor, and Evan Pilachowski, Assistant City Manager on January 22<sup>nd</sup>.

### **Public Information Session**

On Wednesday, February 4, an information session about the upcoming South Fork Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Pump Station, and Intake Construction Project will be held at the Albemarle County Office Building, Room A, 1600 5<sup>th</sup> Street, SW. Attendees will learn about the project's history and details surrounding the upcoming work. The formal presentation will start at 6:30 PM. We will live-stream the presentation on Zoom at this link: <https://zoom.us/j/95862255447>.

### **Sugar Hollow Siren**

Testing of the upgraded 4-horn siren at Sugar Hollow Dam was conducted on January 14<sup>th</sup> and was audible about 2.1 miles downstream, near the 2<sup>nd</sup> bridge on Sugar Hollow Rd.



## *STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE*

### **Capital Improvement Plan Subcommittee Meeting**

A “subcommittee” of City and ACSA staff, including Ms. Hildebrand and Mr. Lunsford, met with RWSA staff on January 14<sup>th</sup> to review the projects included in the preliminary FY 27 – 31 CIP. The proposed CIP will be introduced to the Board in February.

### **Administration Building**



### **Ragged Mountain Reservoir Pool Raise**





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



## **South Fork Rivanna River Second Crossing**



## **Central Water Line – Phase 1**

A community outreach presentation will be provided at the Fry Springs Neighborhood Association meeting on Wednesday, February 11<sup>th</sup> at 7PM at Fry Springs Beach Club. Our staff will share information and construction updates with attendees about Stage 2 of the project.





## MEMORANDUM

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

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

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

**SUBJECT:** ADMINISTRATION AND COMMUNICATIONS REPORT

**DATE:** JANUARY 27, 2026

### Human Resources

RWSA Fiscal Year 2026 turnover is 11.3% through January 20, 2026, for the fiscal year beginning July 1, 2025. This figure includes three retirements.

LaToya Smith has joined the Authority as our new *Human Resources Manager*. LaToya brings several years of experience working closely with legal counsel in Employee Relations and Human Resources. She holds both Bachelor's and Master's degrees in Business Administration, with concentrations in Human Resources Management, and additional certifications in Leadership Development and Engagement & Inclusion.

### Safety

George Cheape, *Safety Manager*, has received **\$3,900 in funding from the Virginia Risk Sharing Association (VRSA)** to install a safety net at the Solid Waste Transfer Station. This improvement will prevent debris from blowing out of the station. George has been certified to provide in-house safety training to our employees, which will result in approximately **\$30k** in annual savings.

### Communications & Outreach

Westley Kern, *Communications & Outreach Coordinator*, continues to support public awareness efforts through press releases, signage updates, newsletters, and digital communications related to ongoing capital projects, including:

- South Rivanna Reservoir to Ragged Mountain Reservoir Pipe, Pump Station & Intake Project This award completes the 2012 Water Supply Plan originally developed by the County and City. At \$87.6 million, it represents the largest construction contract ever awarded by the Authority.
- Central Water Line and Ragged Mountain to Observatory Projects - Ongoing outreach meetings are being conducted with community members affected by these projects.

In addition, multiple press releases, new signage, website updates, and social media communications have been issued regarding the Ivy Solid Waste Transfer Station's transition to a cashless operation effective February 2, 2026.

### Grants & Sustainability

Annie West, *Grants & Sustainability Coordinator*, is developing a Greenhouse Gas Dashboard to track energy usage across Rivanna Authorities' facilities. This initiative supports the Authority's Environmental Stewardship Strategic Plan. Additionally, FEMA and the Virginia Department of Emergency Management (VDEM) provided \$305,176 through the Public Assistance Program for repairs related to Hurricane Helene damage sustained to the Ivy Creek/Stillhouse waterline.

## MEMORANDUM

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

**FROM:** SCOTT SCHILLER, ENGINEERING MANAGER

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

**SUBJECT:** CIP PROJECTS REPORT

**DATE:** JANUARY 27, 2025

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

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

### Summary

	Project	Construction Start Date	Construction Completion Date
1	Central Water Line, Phase 1	October 2025	December 2029
2	Red Hill Water Treatment Plant Upgrades	January 2025	June 2027
3	South Fork Rivanna River Crossing	December 2024	January 2027
4	RMR to OBWTP Raw Water Line and Pump Station	February 2025	June 2029
5	MC Building Upfits and Gravity Thickener Improvements	May 2025	May 2027
6	MC Structural and Concrete Rehabilitation	May 2025	May 2027
7	Crozet Pump Stations Rehabilitation	December 2025	April 2028
8	MC Administration Building Renovation and Addition	August 2025	December 2027
9	SRWTP – PAC Upgrades	June 2026	June 2027
10	RMR Pool Raise	September 2025	December 2026
11	Sewer and Manhole Repairs, Phase 2	December 2025	June 2027
12	Crozet WTP GAC Expansion, Phase 1	March 2026	May 2028
13	SVWRRF Generator Replacement	March 2026	June 2027
14	SRR to RMR Pipeline, Pump Station & Intake	March 2026	December 2030
15	Glenmore WRRF Upgrade, Phase 1	June 2026	January 2028
16	Sodium Hypochlorite Tank Replacement, OBWTP	September 2026	July 2027



17	Central Water Line, Phase 2	October 2026	March 2029
18	MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades	October 2026	May 2028
19	Beaver Creek Dam Spillway Modifications	March 2027	June 2031
20	Beaver Creek Raw Water Pump Station, Intake, and Piping	Sept 2026	June 2029
21	Upper Schenks Branch Interceptor, Phase 2	2027	2029
22	Dam Concrete and Steel Repairs	Sept 2026	November 2027
23	SVWRRF Permit Modification Upgrades	May 2026	May 2027

#### Under Construction

1. Central Water Line, Phase 1
2. Red Hill Water Treatment Plant Upgrades
3. South Fork Rivanna River Crossing
4. RMR to OBWTP Raw Water Line and Pump Station
5. MC Building Upfits and Gravity Thickener Improvements
6. MC Structural and Concrete Rehabilitation
7. Crozet Pump Stations Rehabilitation
8. MC Administration Building Renovation and Addition
9. SRWTP – PAC Upgrades
10. RMR Pool Raise
11. Sewer & Manhole Repairs, Phase 2
12. Crozet WTP GAC Expansion, Phase 1
13. SVWRRF Generator Replacement
14. SRR to RMR Pipeline, Pump Station & Intake
15. Glenmore WRRF Upgrade, Phase 1
16. Sodium Hypochlorite Tank Replacement, OBWTP

#### Design and Bidding

17. Central Water Line, Phase 2
18. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades
19. Beaver Creek Dam Spillway Modifications
20. Beaver Creek Raw Water Pump Station, Intake, and Piping
21. Upper Schenks Branch Interceptor, Phase 2
22. Dam Concrete and Steel Repairs
23. SVWRRF Permit Modification Upgrades

#### Planning and Studies

24. MCAWRRF Biogas Upgrades
25. Flood Protection Resiliency Study
26. *Powell Creek Interceptor Upgrade (PC1-PC5)*
27. *Airport Rd WSTs and Pumps*
28. *NR River Crossing and Piping*

## 29. *Crozet Drinking Water Infrastructure Plan Update*

### Other Significant Projects

30. Urgent and Emergency Repairs

31. Security Enhancements

## **Under Construction**

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

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Sagres Construction Corporation (Alexandria, VA)
Construction Start:	October 2025
Percent Complete:	7%
Base Construction Contract + Change Order to Date = Current Value:	\$47,450,000
Completion:	December 2029
Budget:	\$58 M

Current Status: Contractor has installed 830 linear feet of 30-inch water line in Hereford Drive, Stadium Rd, and Lewis St, in addition to 130 linear feet of 2-inch water line for City Utilities in Lewis St, and met milestone to complete water line installation on UVA property while students were on winter break. A virtual public meeting for the Fry's Spring neighborhood was held on December 15, 2025 to discuss construction for Stages 2 and 3. A second in-person meeting will be held on Feb. 11 with the Fry's Spring neighborhood.

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

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	Anderson Construction (Lynchburg, VA)
Construction Start:	January 2025
Percent Complete:	20%
Base Construction Contract + Change Order to Date = Current Value:	\$2,067,000 - \$324,625 = \$1,742,375
Completion:	June 2027
Budget:	\$2.05 M

Current Status: Construction of the new GAC building has begun including concrete form work and rough grading.

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

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Faulconer (Charlottesville, VA)
Construction Start:	December 2024
Percent Complete:	70%
Base Construction Contract + Change Order to Date = Current Value:	\$4,916,940 + \$491,550 = \$5,408,490
Completion:	August 2026

Budget: \$6.55 M

Current Status: Horizontal Directional Drilling subcontractor completed the final reaming pass for the 1,200 LF directional drill, but has run into some difficulties while swabbing the tunnel before the HDPE pipe can be pulled into the hole. A portion of Old Rio Mills Road will be closed for several more months during construction of the new 24" water line.

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

Design Engineer:	Kimley-Horn
Construction Contractor:	Thalle Construction (Hillsborough, NC)
Construction Start:	February 2025
Percent Complete:	19%
Base Construction Contract +	
Change Order to Date = Current Value:	$\$56,532,000 - \$2,779,390 = \$53,752,610$
Completion:	June 2029
Budget:	\$61.49 M

Current Status: Pipeline construction continues between Ragged Mountain Reservoir and the new pump station. Construction of the new pump station began on January 5<sup>th</sup>.

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

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	English Construction (Lynchburg, VA)
Construction Start:	May 2025
Percent Complete:	18%
Base Construction Contract+	
Change Order to Date = Current Value:	$\$9,821,000 - \$189,500 = \$9,631,500$
Completion:	May 2027
Budget:	\$11.8 M

Current Status: Contractor completed improvements to the Duty Station which will provide temporary office and storage space for Operations personnel while office spaces in the Blower Building are being renovated. Blower Building work will begin this month. Foundation work for the new office space under the Vehicle Maintenance Shop canopy and test pitting of utilities for the new Chemical Feed Building at the Gravity Thickeners are ongoing.

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

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	WM Schlosser (Hyattsville, MD)
Construction Start:	May 2025
Percent Complete:	18%
Base Construction Contract+	
Change Order to Date = Current Value:	$\$13,866,000 - \$898,500 = \$12,967,500$
Completion:	May 2027
Budget:	\$15.5 M



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

#### **7. Crozet Pump Stations Rehabilitation**

Design Engineer:	Wiley   Wilson
Construction Contractor:	Waco, Inc. (Sandston, VA)
Construction Start:	December 2025
Percent Complete:	5%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,583,350
Completion:	April 2028
Budget:	\$12.35 M

Current Status: Contractor mobilized to Pump Station No. 2 to install and test the bypass pumping system prior to beginning demolition work.

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

Design Engineer:	SEH
Construction Contractor	Martin Horn (Charlottesville, VA)
Construction Start:	August 2025
Percent Complete:	16%
Base Construction Contract+	
Change Order to Date = Current Value	\$22,094,000
Completion:	December 2027
Budget:	\$27.6 M

Current Status: Site and foundation work for the addition and demolition of the interior of the existing building continue.

#### **9. SRWTP – PAC Upgrades**

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

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

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

Design Engineer:	Schnabel Engineering
Construction Contractor:	Faulconer Construction (Charlottesville, VA)

Construction Start:	September 2025
Percent Complete:	20%
Base Construction Contract+	
Change Order to Date = Current Value	\$12,329,000 - \$1,310,950 = \$11,018,050
Completion:	December 2026
Budget:	\$13.3 M

Current Status: Tree clearing activities continue to complete tree felling by March 31<sup>st</sup> due to restrictions associated with the Northern Long-Eared Bat.

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

Design Engineer:	CHA Consulting, Inc.
Construction Contractor:	Vortex Services, LLC (Chesapeake, VA)
Construction Start:	December 2025
Percent Complete:	10%
Base Construction Contract+	
Change Order to Date = Current Value	\$1,439,440
Completion:	June 2027
Budget:	\$2.185 M

Current Status: Manhole rehabilitation and sewer inspections continue. Pipeline rehabilitation is anticipated to begin in March.

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

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

Current Status: Notice to Proceed is anticipated in January 2026 following final site plan approval by Albemarle County. Onsite work is expected to begin in March 2026. VDH has committed grant funds totaling \$7.24 M that will support the project.

## **13. SVWRRF Generator Replacement**

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

Current Status: As FEMA's criteria for grant funding was clarified, it was necessary to expand the

scope of this project to account for a 500-year flood plain as part of the design. Unfortunately, the additional expense associated with this expanded scope no longer met the metrics required to qualify for the grant. As such, the scope of the project was reduced to install the generator on a concrete pad, resilient to the 100-year floodplain, in lieu of the structural steel platform previously being proposed to account for the 500-year floodplain. Updated plans have been issued to the Contractor and negotiations are underway. Notice to Proceed is anticipated in February. Approximately \$50,000 previously awarded to RWSA by FEMA for the design of the project was able to be retained.

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

Design Engineer:	Kimley Horn
Construction Contractor:	Garney Construction (Fairfax, VA)
Construction Start:	March 2026
Percent Complete:	0%
Completion:	December 2030
Budget:	\$107 M

Current Status: The Pre-Construction meeting was held on January 14<sup>th</sup> and Notice to Proceed is anticipated on February 2<sup>nd</sup>. An informational meeting for adjacent residents and the public will be held on February 4<sup>th</sup> at the Albemarle County Office Building.

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

Design Engineer:	SEH
Construction Contractor:	Maverick Construction, LLC (Grasonville, MD)
Construction Start:	June 2026
Percent Complete:	0%
Completion:	January 2028
Budget:	\$1.8 M

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

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

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

Current Status: Project includes the replacement of two existing hypochlorite tanks. Contractor is completing tank submittals for review prior to the tanks being released for production.

## **Design and Bidding**

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

Design Engineer:	Michael Baker International (Baker)
Project Start:	July 2024
Project Status:	90% Design
Construction Start:	August 2026
Completion:	March 2029
Budget:	\$21 M

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

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

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

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

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

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

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

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

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

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

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

Design Engineer:	CHA Consulting
Project Start:	July 2021
Project Status:	Design
Construction Start:	2026
Completion:	2027
Budget:	\$7.1 M for RWSA section; \$11 – 15 M including City section

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

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

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

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

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

Design Engineer:	Short Elliot Hendrickson
Project Start:	July 2025
Project Status:	90% Design
Construction Start:	May 2026
Completion:	May 2027
Budget:	\$827,000

Current Status: This project includes influent pump station and headworks upgrades, aeration piping rehabilitation, a new storage and chemical feed building, and flood resiliency improvements. 90% design documents have been completed and are being reviewed by Rivanna. Interim measures for meeting permit requirements are being coordinated with Operations staff.

## **Planning and Studies**

### **24. MCAWRRF Biogas Upgrades**

Design Engineer:	SEH
Project Start:	October 2021

Project Status:	Preliminary Engineering/Study (99%)
Completion:	December 2026
Budget:	\$7.8 M

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

## **25. Flood Protection Resiliency Study**

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

Current Status: This project will identify individualized flood mitigation measures for various facilities to increase their resiliency from a 1% to a 0.2% flooding event and will focus on facilities located at the Moores Creek AWRRF within those flood event boundaries. This project received \$198,930 in grant funding from FEMA and VDEM and the analysis process has begun with site visits and data collection.

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

<i>Design Engineer:</i>	<i>Hazen</i>
<i>Project Start:</i>	<i>December 2025</i>
<i>Project Status:</i>	<i>PER</i>
<i>Construction Start:</i>	<i>TBD</i>
<i>Completion:</i>	<i>TBD</i>
<i>Budget:</i>	<i>\$0.5 M</i>

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

## **27. Airport Rd Water Storage Tanks and Pumps**

<i>Design Engineer:</i>	<i>SEH</i>
<i>Project Start:</i>	<i>December 2025</i>
<i>Project Status:</i>	<i>PER</i>
<i>Construction Start:</i>	<i>TBD</i>
<i>Completion:</i>	<i>TBD</i>
<i>Budget:</i>	<i>\$0.5 M</i>

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

## **28. NR River Crossing and Piping**

<i>Design Engineer:</i>	<i>Kimley-Horn</i>
<i>Project Start:</i>	<i>December 2025</i>
<i>Project Status:</i>	<i>PER</i>
<i>Construction Start:</i>	<i>TBD</i>
<i>Completion:</i>	<i>TBD</i>
<i>Budget:</i>	<i>\$0.5 M</i>

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

## **29. Crozet Drinking Water Infrastructure Plan Update**

*Design Engineer: Hazen  
Project Start: October 2025  
Project Status: Study Underway  
Completion: October 2026  
Budget: \$450,000*

Current Status: Engineer is gathering available records and data to develop a land use model for demand forecasting.

## **Other Significant Projects**

### **30. Urgent and Emergency Repairs**

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

Project No.	Project Description	Approx. Cost
2023-01	Finished Water System ARV Repairs	\$150,000
2025-03	Rivanna Interceptor Stream Crossing Repairs	TBD
2025-06	Sugar Hollow Raw Water Pipeline Break	\$50,000
2025-07	North Rivanna Waterline Break Along Rt. 29 North	\$150,000

- **RWSA Finished Water ARV Repairs:** RWSA Engineering staff recently met with Maintenance staff to identify a list of Air Release Valves (ARVs) that need to be repaired, replaced, or abandoned. Several of these locations will require assistance from RWSA On-Call Maintenance Contractors, due to the complexity of the sites (proximity to roadways, depth, etc.). The initial round will include seven (7) sites, all along the South Rivanna Waterline. Three replacements have been completed at this time, with a fourth site in progress. This in progress site included abandonment of an existing manual ARV located in the middle of the Route 29-Hydraulic intersection, which has been completed, and was a major coordination effort with VDOT, as they intend to pave this area in the coming weeks. The Contractor is working with VDOT on permits for the final sites. The remaining replacements will be scheduled pending Contractor availability.
- **Rivanna Interceptor Stream Crossing Repairs:** In Spring 2025, during annual inspections performed by the RWSA Maintenance Department, erosion was identified at two stream crossings along the Rivanna Interceptor to the North of the Dunlora subdivision. RWSA On-Call Maintenance Contractor, Digs, temporarily stabilized the worst of the two stream crossing sites with sandbags, to protect the pipe as the design of the repair is finalized. RWSA will be utilizing Design Engineer, SEH, for assistance with plans and USACOE permitting.
- **Sugar Hollow Raw Water Pipeline Break:** On December 11<sup>th</sup>, RWSA Maintenance staff responded to a line break on the Sugar Hollow Raw Water Pipeline, located on private property along Sugar Hollow Road in White Hall. The pipeline was taken out of service, and repairs were completed on January 7<sup>th</sup>.

- North Rivanna Waterline Break Along Route 29 North: At approximately 4:15 AM on Christmas Eve, RWSA Operations staff noticed a sharp drop in Piney Mountain Tank levels. Upon notifying Maintenance and Engineering staff, as well as ACSA, crews found a major waterline break along Route 29 North, between Lewis and Clark Drive and the North Rivanna River Bridge, adjacent to the River's Edge Development. Repairs were performed by the RWSA Maintenance Department, with assistance from On-Call Maintenance Contractor, Digs, Inc., and the watermain was placed back into operation by 9 PM that same evening.

### **31. Security Enhancements**

Design Engineer:	Hazen & Sawyer
Construction Contractor:	Security 101 (Richmond, VA)
Construction Start:	March 2020
Percent Complete:	85% (WA #12)
Based Construction Contract +	
Change Orders to Date = Current Value:	\$718,428 (WA1) + \$1,006,804 (WA2-12)
Completion:	June 2025 (WA9), December 2025 (WA12)
Budget:	\$2.98 M

Current Status: WA12 includes installation of card access on all exterior doors at the Observatory WTP, as well as two small electrical buildings at MCAWRRF. Design of MCAWRRF entrance modifications with Hazen & Sawyer continues, with discussions with Dominion Energy also ongoing, as relocation of existing electrical infrastructure will be required. This relocation process will need to be finalized prior to the project proceeding to the bidding phase. Relocation of existing electrical infrastructure will require coordination with the adjacent landowner, as the infrastructure must be completely relocated from the entrance area. These discussions continue. The WPO documents were approved by Albemarle County in September.





## MEMORANDUM

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

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

**REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR**

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

**DATE: JANUARY 27, 2026**

### Financial Snapshot

The Authority's actual operating revenues through November are \$1,958,600 over the prorated annual budget estimates, and operating expenses are over the prorated budget by \$185,400, resulting in an operating surplus of \$1,773,200. Urban Water flows and operating rate revenue for this month are 9.7% over budget estimates. Urban Wastewater flows and operating rate revenue are 1.6% under budget. The two Urban rate centers generated \$419,200 in excess revenues related to these flows. The Authority has received \$1,036,900 in PFAS litigation funds this fiscal year, which is another cause of excess revenues. These excess revenues are offset by some quarterly and annual payments of operating expenses discussed on the next page.

Total revenues are \$1,956,400 over budget estimates, and total expenses are \$144,200 over budget, resulting in an overall surplus of \$1,812,200 through November. Revenues and expenses are summarized in the table below:

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

	Budget	Actual	Variance
<b>Operations</b>			
Revenues	\$ 12,769,125	\$ 14,727,730	\$ 1,958,605
Expenses	12,769,125	12,954,529	(185,404)
Surplus (deficit)	<u>\$ -</u>	<u>\$ 1,773,201</u>	<u>\$ 1,773,201</u>
<b>Debt Service</b>			
Revenues	\$ 13,922,185	\$ 13,919,987	\$ (2,198)
Expenses	13,922,185	13,880,989	41,196
Surplus (deficit)	<u>\$ -</u>	<u>\$ 38,998</u>	<u>\$ 38,998</u>
<b>Total</b>			
Revenues	\$ 26,691,310	\$ 28,647,717	\$ 1,956,407
Expenses	26,691,310	26,835,518	(144,208)
Surplus (deficit)	<u><u>\$ -</u></u>	<u><u>\$ 1,812,199</u></u>	<u><u>\$ 1,812,199</u></u>

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

### **Detailed Financials**

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

- A. Annual and Quarterly Transactions - Some revenues and expenses exceed the prorated annual budget due to up-front annual receipts of revenue and quarterly or annual payments of expenses. These transactions appear to significantly impact the budget vs. actual monthly comparisons, but they usually even out as the year progresses. Septage receiving support revenue of \$109,440 is billed to the County annually in July. Annual payments are made in July for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual payment to UVA for the Observatory lease (\$175,000) is made in August. Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (Urban Water, Administration, Maintenance – pages 2,8,10) – The prorated budget amounts through November are calculated as 5/12 (or 41.7%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 11 out of 26 total pay periods through November (or 42.3%). This 0.7% difference affects the comparison of budget vs. actual payroll costs. The Maintenance Department is also over the prorated budget due to the final leave payout to the maintenance manager upon retirement. Several water operators have achieved their Class 1 licenses in the past few months.
- C. Professional Services (Urban Water, Crozet Water, Administration – pages 2,3,8) – Urban Water and Crozet Water are over the prorated budget in this category by \$54,300 and \$16,800 respectively for engineering and technical services. Urban water incurred \$14,600 in unbudgeted legal fees, and the Administration department is currently \$17,900 over 5/12 of the annual budget for legal fees.
- D. Communication – page 9) – The Finance/IT is currently \$17,000 over the prorated budget in this category for telephone and data services.
- E. Information Technology (Administration – page 8) – The Administration department paid for unbudgeted annual renewal fees for safety training and incident reporting software and Doclink Smart Capture software.
- F. Operations and Maintenance (Urban Water, Crozet Water, Maintenance – pages 2,3,6) – Urban Water is currently over the prorated budget \$140,500 for line break repairs, \$195,200 for chemicals, and \$217,000 for other maintenance and repairs. Crozet Water is \$52,000 over the prorated budget for chemical costs and repairs. The Maintenance department is currently \$22,700 over budget in this category for vehicle repairs.

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

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

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

**Operating Budget vs. Actual**

Notes

**Revenues**

Operations Rate Revenue	\$	28,565,847	\$	11,902,436	\$	12,321,678	\$	419,242	3.52%
Lease Revenue		120,000		50,000		61,430		11,430	22.86%
Admin., Finance/IT, Maint. & Engineering Revenue		998,000		415,833		434,681		18,848	4.53%
Other Revenues		689,654		287,356		1,688,665		1,401,309	487.66%
Interest Allocation		272,400		113,500		221,275		107,775	94.96%
<b>Total Operating Revenues</b>	<b>\$</b>	<b>30,645,901</b>	<b>\$</b>	<b>12,769,125</b>	<b>\$</b>	<b>14,727,730</b>	<b>\$</b>	<b>1,958,605</b>	<b>15.34%</b>

**Expenses**

Personnel Cost	<b>B</b>	\$	14,179,052	\$	5,907,939	\$	5,905,127	\$	2,812	0.05%
Professional Services	<b>C</b>		777,950		324,146		352,400		(28,254)	-8.72%
Other Services & Charges			4,580,981		1,908,742		1,730,045		178,697	9.36%
Communication	<b>D</b>		291,328		121,387		139,777		(18,390)	-15.15%
Information Technology	<b>E</b>		2,398,380		999,325		852,190		147,135	14.72%
Supplies			60,031		25,013		28,419		(3,406)	-13.62%
Operations & Maintenance	<b>A,F</b>		6,856,926		2,857,053		3,374,397		(517,344)	-18.11%
Equipment Purchases			551,250		229,688		176,343		53,345	23.22%
Depreciation			950,000		395,833		395,833		(0)	0.00%
<b>Total Operating Expenses</b>		<b>\$</b>	<b>30,645,898</b>	<b>\$</b>	<b>12,769,124</b>	<b>\$</b>	<b>12,954,529</b>	<b>\$</b>	<b>(185,405)</b>	<b>-1.45%</b>
<b>Operating Surplus/(Deficit)</b>		<b>\$</b>	<b>3</b>	<b>\$</b>	<b>1</b>	<b>\$</b>	<b>1,773,201</b>			

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$	31,290,304	\$	13,037,627	\$	13,037,625	\$	(2)	0.00%
Septage Receiving Support - County		109,440		45,600		109,440		63,840	140.00%
Buck Mountain Lease Revenue		10,000		4,167		381		(3,786)	-90.86%
Trust Fund Interest		456,900		190,375		169,318		(21,057)	-11.06%
Reserve Fund Interest		1,546,600		644,417		603,223		(41,194)	-6.39%
<b>Total Debt Service Revenues</b>	<b>\$</b>	<b>33,413,244</b>	<b>\$</b>	<b>13,922,185</b>	<b>\$</b>	<b>13,919,987</b>	<b>\$</b>	<b>(2,198)</b>	<b>-0.02%</b>

**Debt Service Costs**

Total Principal & Interest	\$	21,245,638	\$	8,852,349	\$	8,852,349	\$	-	0.00%
Reserve Additions-Interest		1,546,600		644,417		603,223		41,194	6.39%
Debt Service Ratio Charge		725,000		302,083		302,083		-	0.00%
Reserve Additions-CIP Growth		9,896,000		4,123,333		4,123,333		-	0.00%
<b>Total Debt Service Costs</b>	<b>\$</b>	<b>33,413,238</b>	<b>\$</b>	<b>13,922,183</b>	<b>\$</b>	<b>13,880,989</b>	<b>\$</b>	<b>41,194</b>	<b>0.30%</b>
<b>Debt Service Surplus/(Deficit)</b>	<b>\$</b>	<b>6</b>	<b>\$</b>	<b>2</b>	<b>\$</b>	<b>38,998</b>			

**Summary**

<b>Total Revenues</b>	\$	64,059,145	\$	26,691,310	\$	28,647,717	\$	1,956,407	7.33%
<b>Total Expenses</b>		64,059,136		26,691,307		26,835,518		(144,211)	-0.54%
<b>Surplus/(Deficit)</b>	<b>\$</b>	<b>9</b>	<b>\$</b>	<b>4</b>	<b>\$</b>	<b>1,812,199</b>			

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

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

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

		Notes								
Revenues										
Operations Rate Revenue		\$	12,376,260	\$	5,156,775	\$	5,659,209	\$	502,434	9.74%
Lease Revenue			90,000		37,500		47,034		9,534	25.42%
Grants			-		-		251,558		251,558	
Other Revenue			-		-		941,224		941,224	
Interest Allocation			120,000		50,000		96,919		46,919	93.84%
Total Operating Revenues		\$	12,586,260	\$	5,244,275	\$	6,995,943	\$	1,751,668	33.40%
Expenses										
Personnel Cost	B	\$	2,725,694	\$	1,135,706	\$	1,146,118	\$	(10,413)	-0.92%
Professional Services	C		220,500		91,875		155,566		(63,691)	-69.32%
Other Services & Charges			1,210,134		504,223		501,399		2,823	0.56%
Communications			91,500		38,125		47,071		(8,946)	-23.47%
Information Technology			197,100		82,125		59,210		22,915	27.90%
Supplies			10,031		4,180		4,647		(467)	-11.18%
Operations & Maintenance	A, F		3,116,833		1,298,680		1,851,671		(552,991)	-42.58%
Equipment Purchases			26,900		11,208		12,325		(1,116)	-9.96%
Depreciation			300,000		125,000		125,000		-	0.00%
Subtotal Before Allocations		\$	7,898,692	\$	3,291,122	\$	3,903,007	\$	(611,885)	-18.59%
Allocation of Support Departments			4,687,568		1,953,153		1,886,038		67,116	3.44%
Total Operating Expenses		\$	12,586,259	\$	5,244,275	\$	5,789,045	\$	(544,770)	-10.39%
Operating Surplus/(Deficit)		\$	1	\$	0	\$	1,206,899			

**Debt Service Budget vs. Actual**

<b>Revenues</b>						
Debt Service Rate Revenue		\$ 15,733,661	\$ 6,555,692	\$ 6,555,690	\$ (2)	0.00%
Trust Fund Interest		200,000	83,333	74,144	(9,189)	-11.03%
Reserve Fund Interest		744,800	310,333	290,754	(19,580)	-6.31%
Lease Revenue		10,000	4,167	381	(3,786)	-90.86%
<b>Total Debt Service Revenues</b>		<b>\$ 16,688,461</b>	<b>\$ 6,953,525</b>	<b>\$ 6,920,969</b>	<b>\$ (32,557)</b>	<b>-0.47%</b>
<b>Debt Service Costs</b>						
Total Principal & Interest		\$ 8,904,860	\$ 3,710,358	\$ 3,710,358	\$ -	0.00%
Reserve Additions-Interest		744,800	310,333	290,754	19,580	6.31%
Debt Service Ratio Charge		400,000	166,667	166,667	-	0.00%
Est. New Debt Service - CIP Growth		6,638,800	2,766,167	2,766,167	-	0.00%
<b>Total Debt Service Costs</b>		<b>\$ 16,688,460</b>	<b>\$ 6,953,525</b>	<b>\$ 6,933,945</b>	<b>\$ 19,580</b>	<b>0.28%</b>
<b>Debt Service Surplus/(Deficit)</b>		<b>\$ 1</b>	<b>\$ 0</b>	<b>\$ (12,976)</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 29,274,721	\$ 12,197,800	\$ 13,916,912	\$ 1,719,112	14.09%
<b>Total Expenses</b>	29,274,719	12,197,800	12,722,990	(525,190)	-4.31%
<b>Surplus/(Deficit)</b>	<b>\$ 2</b>	<b>\$ 1</b>	<b>\$ 1,193,922</b>		
<b>Costs per 1000 Gallons</b>	\$ 3.70		\$ 3.73		
<b>Operating and DS</b>	\$ 8.62		\$ 8.19		
<b>Thousand Gallons Treated</b>	3,397,700	1,415,708	1,553,874	138,166	9.76%
<b>or</b>					
<b>Flow (MGD)</b>	9.309		10.156		

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

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

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

Notes

**Revenues**

Operations Rate Revenue	\$ 1,562,184	\$ 650,910	\$ 650,910	\$ -	0.00%
Lease Revenue	30,000	12,500	14,397	1,897	15.17%
Other Revenue	-	-	77,691	77,691	
Interest Allocation	15,000	6,250	12,170	5,920	94.72%
<b>Total Operating Revenues</b>	<b>\$ 1,607,184</b>	<b>\$ 669,660</b>	<b>\$ 755,168</b>	<b>\$ 85,508</b>	<b>12.77%</b>

**Expenses**

Personnel Cost	\$ 379,359	\$ 158,066	\$ 161,027	\$ (2,960)	-1.87%
Professional Services	19,500	8,125	24,986	(16,861)	-207.52%
Other Services & Charges	177,582	73,993	61,074	12,918	17.46%
Communications	15,300	6,375	6,147	228	3.58%
Information Technology	64,400	26,833	16,835	9,998	37.26%
Supplies	1,100	458	1,731	(1,273)	-277.74%
Operations & Maintenance	449,085	187,119	239,223	(52,104)	-27.85%
Equipment Purchases	3,800	1,583	1,583	(0)	0.00%
Depreciation	60,000	25,000	25,000	-	0.00%
<b>Subtotal Before Allocations</b>	<b>\$ 1,170,126</b>	<b>\$ 487,553</b>	<b>\$ 537,606</b>	<b>\$ (50,054)</b>	<b>-10.27%</b>
Allocation of Support Departments	437,056	182,107	175,906	6,200	3.40%
<b>Total Operating Expenses</b>	<b>\$ 1,607,183</b>	<b>\$ 669,659</b>	<b>\$ 713,513</b>	<b>\$ (43,853)</b>	<b>-6.55%</b>
<b>Operating Surplus/(Deficit)</b>	<b>\$ 1</b>	<b>\$ 1</b>	<b>\$ 41,655</b>		

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$ 3,103,992	\$ 1,293,330	\$ 1,293,330	\$ -	0.00%
Trust Fund Interest	32,000	13,333	11,852	(1,481)	-11.11%
Reserve Fund Interest	118,000	49,167	45,845	(3,322)	-6.76%
<b>Total Debt Service Revenues</b>	<b>\$ 3,253,992</b>	<b>\$ 1,355,830</b>	<b>\$ 1,351,027</b>	<b>\$ (4,803)</b>	<b>-0.35%</b>

**Debt Service Costs**

Total Principal & Interest	\$ 1,126,391	\$ 469,330	\$ 469,330	\$ -	0.00%
Reserve Additions-Interest	118,000	49,167	45,845	3,322	6.76%
Estimated New Principal & Interest	2,009,600	837,333	837,333	-	0.00%
<b>Total Debt Service Costs</b>	<b>\$ 3,253,991</b>	<b>\$ 1,355,830</b>	<b>\$ 1,352,508</b>	<b>\$ 3,322</b>	<b>0.24%</b>
<b>Debt Service Surplus/(Deficit)</b>	<b>\$ 1</b>	<b>\$ 0</b>	<b>\$ (1,481)</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 4,861,176	\$ 2,025,490	\$ 2,106,195	\$ 80,705	3.98%
<b>Total Expenses</b>	4,861,174	2,025,489	2,066,021	(40,532)	-2.00%
<b>Surplus/(Deficit)</b>	<b>\$ 2</b>	<b>\$ 1</b>	<b>\$ 40,174</b>		
<b>Costs per 1000 Gallons</b>	\$ 7.93		\$ 6.72		
<b>Operating and DS</b>	\$ 23.98		\$ 19.47		
<b>Thousand Gallons Treated</b>	202,697	84,457	106,111	21,654	25.64%
<b>Flow (MGD)</b>	0.555		0.694		

Rivanna Water & Sewer Authority  
Monthly Financial Statements - November 2025

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

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

Notes

**Revenues**

Operations Rate Revenue	\$ 851,940	\$ 354,975	\$ 354,975	\$ -	0.00%
Other Revenue	-	-	17,997	17,997	
Interest Allocation	7,700	3,208	6,196	2,987	93.11%
<b>Total Operating Revenues</b>	<b>\$ 859,640</b>	<b>\$ 358,183</b>	<b>\$ 379,168</b>	<b>\$ 20,984</b>	<b>5.86%</b>

**Expenses**

Personnel Cost	\$ 248,090	\$ 103,371	\$ 105,776	\$ (2,405)	-2.33%
Professional Services	15,000	6,250	13,323	(7,073)	-113.16%
Other Services & Charges	79,887	33,286	29,967	3,319	9.97%
Communications	18,550	7,729	12,092	(4,363)	-56.45%
Information Technology	57,000	23,750	15,587	8,163	34.37%
Supplies	200	83	978	(895)	-1073.88%
Operations & Maintenance	137,220	57,175	42,204	14,971	26.18%
Equipment Purchases	2,400	1,000	1,515	(515)	-51.48%
Depreciation	40,000	16,667	16,667	0	0.00%
<b>Subtotal Before Allocations</b>	<b>\$ 598,347</b>	<b>\$ 249,311</b>	<b>\$ 238,108</b>	<b>\$ 11,203</b>	<b>4.49%</b>
Allocation of Support Departments	261,289	108,871	105,025	3,846	3.53%
<b>Total Operating Expenses</b>	<b>\$ 859,636</b>	<b>\$ 358,182</b>	<b>\$ 343,132</b>	<b>\$ 15,049</b>	<b>4.20%</b>
<b>Operating Surplus/(Deficit)</b>	<b>\$ 4</b>	<b>\$ 2</b>	<b>\$ 36,035</b>		

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$ 304,128	\$ 126,720	\$ 126,720	\$ -	0.00%
Trust Fund Interest	4,200	1,750	1,558	(192)	-10.99%
Reserve Fund Interest	4,800	2,000	1,810	(190)	-9.52%
<b>Total Debt Service Revenues</b>	<b>\$ 313,128</b>	<b>\$ 130,470</b>	<b>\$ 130,087</b>	<b>\$ (383)</b>	<b>-0.29%</b>

**Debt Service Costs**

Total Principal & Interest	\$ 148,127	\$ 61,720	\$ 61,720	\$ -	0.00%
Reserve Additions-Interest	4,800	2,000	1,810	190	9.52%
Estimated New Principal & Interest	160,200	66,750	66,750	-	0.00%
<b>Total Debt Service Costs</b>	<b>\$ 313,127</b>	<b>\$ 130,470</b>	<b>\$ 130,279</b>	<b>\$ 190</b>	<b>0.15%</b>
<b>Debt Service Surplus/(Deficit)</b>	<b>\$ 1</b>	<b>\$ 0</b>	<b>\$ (192)</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 1,172,768	\$ 488,653	\$ 509,255	\$ 20,602	4.22%
<b>Total Expenses</b>	1,172,763	488,651	473,412	15,240	3.12%
<b>Surplus/(Deficit)</b>	<b>\$ 5</b>	<b>\$ 2</b>	<b>\$ 35,843</b>		
<b>Costs per 1000 Gallons</b>	\$ 49.89		\$ 38.64		
<b>Operating and DS</b>	\$ 68.07		\$ 53.31		
<b>Thousand Gallons Treated</b>	17,230	7,179	8,880	1,701	23.69%
<b>or</b>					
<b>Flow (MGD)</b>	0.047		0.058		

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

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

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

Notes

**Revenues**

Operations Rate Revenue	\$ 12,610,887	\$ 5,254,536	\$ 5,171,344	\$ (83,192)	-1.58%
Stone Robinson WWTP	19,654	8,189	104,526	96,336	1176.39%
Septage Acceptance	620,000	258,333	241,893	(16,440)	-6.36%
Nutrient Credits	50,000	20,833	53,777	32,943	158.13%
Miscellaneous Revenue	-	-	-	-	
Interest Allocation	120,000	50,000	98,246	48,246	96.49%
<b>Total Operating Revenues</b>	<b>\$ 13,420,541</b>	<b>\$ 5,591,892</b>	<b>\$ 5,669,786</b>	<b>\$ 77,893</b>	<b>1.39%</b>

**Expenses**

Personnel Cost	\$ 1,725,025	\$ 718,760	\$ 719,534	\$ (774)	-0.11%
Professional Services	205,000	85,417	40,115	45,301	53.04%
Other Services & Charges	2,742,631	1,142,763	984,928	157,835	13.81%
Communications	15,100	6,292	3,306	2,986	47.46%
Information Technology	187,600	78,167	81,616	(3,449)	-4.41%
Supplies	2,600	1,083	960	124	11.42%
Operations & Maintenance	2,523,628	1,051,512	976,744	74,768	7.11%
Equipment Purchases	73,500	30,625	30,625	-	0.00%
Depreciation	470,000	195,833	195,833	(0)	0.00%
<b>Subtotal Before Allocations</b>	<b>\$ 7,945,084</b>	<b>\$ 3,310,452</b>	<b>\$ 3,033,662</b>	<b>\$ 276,790</b>	<b>8.36%</b>
Allocation of Support Departments	5,475,458	2,281,441	2,204,378	77,063	3.38%
<b>Total Operating Expenses</b>	<b>\$ 13,420,542</b>	<b>\$ 5,591,893</b>	<b>\$ 5,238,040</b>	<b>\$ 353,853</b>	<b>6.33%</b>
<b>Operating Surplus/(Deficit)</b>	<b>\$ (1)</b>	<b>\$ (0)</b>	<b>\$ 431,746</b>		

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$ 11,948,147	\$ 4,978,395	\$ 4,978,395	\$ 0	0.00%
Septage Receiving Support - County	109,440	45,600	109,440	63,840	140.00%
Trust Fund Interest	220,000	91,667	81,493	(10,174)	-11.10%
Reserve Fund Interest	675,000	281,250	263,005	(18,245)	-6.49%
<b>Total Debt Service Revenues</b>	<b>\$ 12,952,587</b>	<b>\$ 5,396,911</b>	<b>\$ 5,432,333</b>	<b>\$ 35,422</b>	<b>0.66%</b>

**Debt Service Costs**

Total Principal & Interest	\$ 11,040,988	\$ 4,600,412	\$ 4,600,412	\$ -	0.00%
Reserve Additions-Interest	675,000	281,250	263,005	18,245	6.49%
Debt Service Ratio Charge	325,000	135,417	135,417	-	0.00%
Est. New Debt Service - CIP Growth	911,600	379,833	379,833	-	0.00%
<b>Total Debt Service Costs</b>	<b>\$ 12,952,588</b>	<b>\$ 5,396,912</b>	<b>\$ 5,378,667</b>	<b>\$ 18,245</b>	<b>0.34%</b>
<b>Debt Service Surplus/(Deficit)</b>	<b>\$ (1)</b>	<b>\$ (0)</b>	<b>\$ 53,666</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 26,373,128	\$ 10,988,803	\$ 11,102,118	\$ 113,315	1.03%
<b>Total Expenses</b>	26,373,130	10,988,804	10,616,707	372,097	3.39%
<b>Surplus/(Deficit)</b>	<b>\$ (2)</b>	<b>\$ (1)</b>	<b>\$ 485,412</b>		
<b>Costs per 1000 Gallons</b>	\$ 3.96		\$ 3.77		
<b>Operating and DS</b>	\$ 7.78		\$ 7.64		
<b>Thousand Gallons Treated or Flow (MGD)</b>	3,390,400	1,412,667	1,390,520	(22,147)	-1.57%
	9.289		9.088		

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

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

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

Notes

**Revenues**

Operations Rate Revenue	\$ 673,248	\$ 280,520	\$ 280,520	\$ -	0.00%
Interest Allocation	5,500	2,292	4,426	2,134	93.11%
<b>Total Operating Revenues</b>	<b>\$ 678,748</b>	<b>\$ 282,812</b>	<b>\$ 284,946</b>	<b>\$ 2,134</b>	<b>0.75%</b>

**Expenses**

Personnel Cost	\$ 142,586	\$ 59,411	\$ 59,726	\$ (315)	-0.53%
Professional Services	10,000	4,167	622	3,544	85.07%
Other Services & Charges	45,136	18,807	19,194	(387)	-2.06%
Communications	20,300	8,458	8,917	(458)	-5.42%
Information Technology	53,450	22,271	13,708	8,563	38.45%
Supplies	-	-	0	(0)	
Operations & Maintenance	152,435	63,515	33,358	30,157	47.48%
Equipment Purchases	3,500	1,458	1,458	(0)	0.00%
Depreciation	60,000	25,000	25,000	-	0.00%
<b>Subtotal Before Allocations</b>	<b>\$ 487,407</b>	<b>\$ 203,086</b>	<b>\$ 161,983</b>	<b>\$ 41,103</b>	<b>20.24%</b>
Allocation of Support Departments	191,344	79,727	76,565	3,162	3.97%
<b>Total Operating Expenses</b>	<b>\$ 678,752</b>	<b>\$ 282,813</b>	<b>\$ 238,549</b>	<b>\$ 44,265</b>	<b>15.65%</b>
<b>Operating Surplus/(Deficit)</b>	<b>\$ (4)</b>	<b>\$ (2)</b>	<b>\$ 46,397</b>		

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$ 144,948	\$ 60,395	\$ 60,395	\$ -	0.00%
Trust Fund Interest	500	208	203	(5)	-2.47%
Reserve Fund Interest	-	-	-	-	
<b>Total Debt Service Revenues</b>	<b>\$ 145,448</b>	<b>\$ 60,603</b>	<b>\$ 60,598</b>	<b>\$ (5)</b>	<b>-0.01%</b>

**Debt Service Costs**

Total Principal & Interest	\$ 18,746	\$ 7,811	\$ 7,811	\$ -	0.00%
Estimated New Principal & Interest	126,700	52,792	52,792	-	0.00%
Reserve Additions-Interest	-	-	-	-	
<b>Total Debt Service Costs</b>	<b>\$ 145,446</b>	<b>\$ 60,603</b>	<b>\$ 60,603</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Debt Service Surplus/(Deficit)</b>	<b>\$ 2</b>	<b>\$ 1</b>	<b>\$ (4)</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 824,196	\$ 343,415	\$ 345,544	\$ 2,129	0.62%
<b>Total Expenses</b>	824,198	343,416	299,151	44,265	12.89%
<b>Surplus/(Deficit)</b>	<b>\$ (2)</b>	<b>\$ (1)</b>	<b>\$ 46,393</b>		
<b>Costs per 1000 Gallons</b>	\$ 16.39		\$ 11.59		
<b>Operating and DS</b>	\$ 19.91		\$ 14.54		
<b>Thousand Gallons Treated or Flow (MGD)</b>	41,401	17,250	20,576	3,326	19.28%
	0.113		0.134		



Rivanna Water & Sewer Authority  
Monthly Financial Statements - November 2025

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

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

Notes

**Revenues**

Operations Rate Revenue	\$ 491,328	\$ 204,720	\$ 204,720	\$ -	0.00%
Interest Allocation	4,200	1,750	3,319	1,569	89.66%
<i>Total Operating Revenues</i>	<b>\$ 495,528</b>	<b>\$ 206,470</b>	<b>\$ 208,039</b>	<b>\$ 1,569</b>	<b>0.76%</b>

**Expenses**

Personnel Cost	\$ 142,484	\$ 59,368	\$ 59,726	\$ (358)	-0.60%
Professional Services	5,000	2,083	247	1,836	88.13%
Other Services & Charges	30,936	12,890	17,676	(4,786)	-37.13%
Communications	6,050	2,521	124	2,396	95.06%
Information Technology	54,750	22,813	1,572	21,241	93.11%
Supplies	-	-	0	(0)	
Operations & Maintenance	53,680	22,367	36,744	(14,378)	-64.28%
Equipment Purchases	3,500	1,458	1,458	(0)	0.00%
Depreciation	20,000	8,333	8,333	(0)	0.00%
<i>Subtotal Before Allocations</i>	<b>\$ 316,400</b>	<b>\$ 131,833</b>	<b>\$ 125,882</b>	<b>\$ 5,951</b>	<b>4.51%</b>
Allocation of Support Departments	179,127	74,636	71,688	2,948	3.95%
<i>Total Operating Expenses</i>	<b>\$ 495,527</b>	<b>\$ 206,469</b>	<b>\$ 197,570</b>	<b>\$ 8,900</b>	<b>4.31%</b>
<i>Operating Surplus/(Deficit)</i>	<b>\$ 1</b>	<b>\$ 1</b>	<b>\$ 10,469</b>		

**Debt Service Budget vs. Actual**

**Revenues**

Debt Service Rate Revenue	\$ 55,428	\$ 23,095	\$ 23,095	\$ -	0.00%
Trust Fund Interest	200	83	68	(16)	-18.72%
Reserve Fund Interest	4,000	1,667	1,810	143	8.58%
<i>Total Debt Service Revenues</i>	<b>\$ 59,628</b>	<b>\$ 24,845</b>	<b>\$ 24,972</b>	<b>\$ 127</b>	<b>0.51%</b>

**Debt Service Costs**

Total Principal & Interest	\$ 6,526	\$ 2,719	\$ 2,719	\$ -	0.00%
Reserve Additions-Interest	4,000	1,667	1,810	(143)	-8.58%
Estimated New Principal & Interest	49,100	20,458	20,458	-	0.00%
<i>Total Debt Service Costs</i>	<b>\$ 59,626</b>	<b>\$ 24,844</b>	<b>\$ 24,987</b>	<b>\$ (143)</b>	<b>-0.58%</b>
<i>Debt Service Surplus/(Deficit)</i>	<b>\$ 2</b>	<b>\$ 1</b>	<b>\$ (15)</b>		

**Rate Center Summary**

<b>Total Revenues</b>	\$ 555,156	\$ 231,315	\$ 233,012	\$ 1,697	0.73%
<b>Total Expenses</b>	555,153	231,314	222,557	8,757	3.79%
<b>Surplus/(Deficit)</b>	<b>\$ 3</b>	<b>\$ 1</b>	<b>\$ 10,455</b>		
<b>Costs per 1000 Gallons</b>	\$ 20.96		\$ 26.20		
<b>Operating and DS</b>	\$ 23.48		\$ 29.52		
<b>Thousand Gallons Treated</b>	23,643	9,851	7,540	(2,311)	-23.46%
<b>or</b>					
<b>Flow (MGD)</b>	0.065		0.049		

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

**Administration and Communication**

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

**Revenues** Notes

Payment for Services SWA	\$	417,000	\$	173,750	\$	173,881	\$	131	0.08%
Miscellaneous Revenue		-		-		231		231	
<b>Total Operating Revenues</b>	<b>\$</b>	<b>417,000</b>	<b>\$</b>	<b>173,750</b>	<b>\$</b>	<b>174,112</b>	<b>\$</b>	<b>362</b>	<b>0.21%</b>

**Expenses**

Personnel Cost	<b>B</b>	\$	1,657,525	\$	690,635	\$	726,041	\$	(35,406)	-5.13%
Professional Services	<b>C</b>		103,950		43,313		65,775		(22,462)	-51.86%
Other Services & Charges			162,450		67,688		59,774		7,914	11.69%
Communications			9,200		3,833		1,165		2,669	69.61%
Information Technology	<b>E</b>		5,700		2,375		21,623		(19,248)	-810.42%
Supplies			19,600		8,167		6,821		1,346	16.48%
Operations & Maintenance			66,050		27,521		25,546		1,975	7.18%
Equipment Purchases			9,000		3,750		3,750		-	0.00%
Depreciation			-		-		-		-	
<b>Total Operating Expenses</b>		<b>\$</b>	<b>2,033,475</b>	<b>\$</b>	<b>847,281</b>	<b>\$</b>	<b>910,494</b>	<b>\$</b>	<b>(63,213)</b>	<b>-7.46%</b>

**Department Summary**

<b>Net Costs Allocable to Rate Centers</b>	<b>\$</b>	<b>(1,616,475)</b>	<b>\$</b>	<b>(673,531)</b>	<b>\$</b>	<b>(736,382)</b>	<b>\$</b>	<b>62,851</b>	<b>-9.33%</b>
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**Allocations to the Rate Centers**

Urban Water	44.00%	\$	711,249	\$	296,354	\$	324,008	\$	(27,654)
Crozet Water	4.00%	\$	64,659		26,941		29,455		(2,514)
Scottsville Water	2.00%	\$	32,330		13,471		14,728		(1,257)
Urban Wastewater	48.00%	\$	775,908		323,295		353,463		(30,168)
Glenmore Wastewater	1.00%	\$	16,165		6,735		7,364		(629)
Scottsville Wastewater	1.00%	\$	16,165		6,735		7,364		(629)
	100.00%	\$	1,616,475	\$	673,531	\$	736,382	\$	(62,851)

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

**Finance and Information Technology**

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

Notes

**Revenues**

Payment for Services SWA	\$	581,000	\$	242,083	\$	242,083	\$	0	0.00%
Bond Proceeds Funding Bond Issuance Costs		-		-		-		-	
Miscellaneous Revenue		-		-		6,817		6,817	
<b>Total Operating Revenues</b>	<b>\$</b>	<b>581,000</b>	<b>\$</b>	<b>242,083</b>	<b>\$</b>	<b>248,900</b>	<b>\$</b>	<b>6,817</b>	<b>2.82%</b>

**Expenses**

Personnel Cost	\$	2,411,906	\$	1,004,961	\$	1,003,626	\$	1,335	0.13%
Professional Services		47,000		19,583		12,031		7,553	38.57%
Other Services & Charges		55,200		23,000		26,823		(3,823)	-16.62%
Communication	D	73,900		30,792		47,683		(16,891)	-54.86%
Information Technology		1,550,650		646,104		552,561		93,543	14.48%
Supplies		14,000		5,833		6,704		(871)	-14.93%
Operations & Maintenance		5,000		2,083		7,728		(5,645)	-270.95%
Equipment Purchases		7,500		3,125		3,125		-	0.00%
Depreciation		-		-		-		-	
<b>Total Operating Expenses</b>	<b>\$</b>	<b>4,165,156</b>	<b>\$</b>	<b>1,735,482</b>	<b>\$</b>	<b>1,660,280</b>	<b>\$</b>	<b>75,201</b>	<b>4.33%</b>

**Department Summary**

<b>Net Costs Allocable to Rate Centers</b>	<b>\$</b>	<b>(3,584,156)</b>	<b>\$</b>	<b>(1,493,399)</b>	<b>\$</b>	<b>(1,411,380)</b>	<b>\$</b>	<b>(82,019)</b>	<b>5.49%</b>
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**Allocations to the Rate Centers**

Urban Water	44.00%	\$	1,577,029	\$	657,095	\$	621,007	\$	36,088
Crozet Water	4.00%	\$	143,366		59,736		56,455		3,281
Scottsville Water	2.00%	\$	71,683		29,868		28,228		1,640
Urban Wastewater	48.00%	\$	1,720,395		716,831		677,462		39,369
Glenmore Wastewater	1.00%	\$	35,842		14,934		14,114		820
Scottsville Wastewater	1.00%	\$	35,842		14,934		14,114		820
	100.00%	\$	3,584,156	\$	1,493,399	\$	1,411,380	\$	82,019

Rivanna Water & Sewer Authority  
Monthly Financial Statements - November 2025

**Maintenance**

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

Notes

**Revenues**

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

**Expenses**

Personnel Cost	<b>B</b>	\$	1,836,099	\$	765,041	\$	770,795	\$	(5,754)	-0.75%
Professional Services			10,000		4,167		150		4,017	96.40%
Other Services & Charges			40,350		16,813		12,621		4,191	24.93%
Communications			20,000		8,333		4,128		4,205	50.46%
Information Technology			7,500		3,125		2,409		716	22.93%
Supplies			3,500		1,458		18		1,440	98.78%
Operations & Maintenance	<b>F</b>		130,300		54,292		77,005		(22,713)	-41.84%
Equipment Purchases			395,750		164,896		109,586		55,310	33.54%
Depreciation			-		-		-		-	
<b>Total Operating Expenses</b>		<b>\$</b>	<b>2,443,499</b>	<b>\$</b>	<b>1,018,124</b>	<b>\$</b>	<b>976,712</b>	<b>\$</b>	<b>41,412</b>	<b>4.07%</b>

**Department Summary**

<b>Net Costs Allocable to Rate Centers</b>		<b>\$</b>	<b>(2,443,499)</b>	<b>\$</b>	<b>(1,018,124)</b>	<b>\$</b>	<b>(975,506)</b>	<b>\$</b>	<b>(40,206)</b>	<b>3.95%</b>
<b><u>Allocations to the Rate Centers</u></b>										
Urban Water	30.00%	\$	733,050	\$	305,437	\$	292,652	\$	12,786	
Crozet Water	3.50%		85,522		35,634		34,143		1,492	
Scottsville Water	3.50%		85,522		35,634		34,143		1,492	
Urban Wastewater	56.50%		1,380,577		575,240		551,161		24,080	
Glenmore Wastewater	3.50%		85,522		35,634		34,143		1,492	
Scottsville Wastewater	3.00%		73,305		30,544		29,265		1,279	
	100.00%	<b>\$</b>	<b>2,443,499</b>	<b>\$</b>	<b>1,018,124</b>	<b>\$</b>	<b>975,506</b>	<b>\$</b>	<b>42,619</b>	

Rivanna Water & Sewer Authority  
Monthly Financial Statements - November 2025

**Laboratory**

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

**Operating Budget vs. Actual**

**Revenues** Notes

N/A

**Expenses**

Personnel Cost	\$ 503,003	\$ 209,585	\$ 201,165	\$ 8,419	4.02%
Professional Services	-	-	-	-	
Other Services & Charges	9,800	4,083	3,630	453	11.10%
Communications	800	333	6,262	(5,928)	-1778.47%
Information Technology	-	-	-	-	
Supplies	2,300	958	2,445	(1,487)	-155.18%
Operations & Maintenance	146,357	60,982	48,057	12,925	21.19%
Equipment Purchases	3,900	1,625	1,959	(334)	-20.55%
Depreciation	-	-	-	-	
<b>Total Operating Expenses</b>	<b>\$ 666,160</b>	<b>\$ 277,567</b>	<b>\$ 263,519</b>	<b>\$ 14,048</b>	<b>5.06%</b>

**Department Summary**

<b>Net Costs Allocable to Rate Centers</b>		<b>\$ (666,160)</b>	<b>\$ (277,567)</b>	<b>\$ (263,519)</b>	<b>\$ (14,048)</b>	<b>5.06%</b>
<b><u>Allocations to the Rate Centers</u></b>						
Urban Water	44.00%	\$ 293,110	\$ 122,129	\$ 115,948	\$ 6,181	
Crozet Water	4.00%	26,646	11,103	10,541	562	
Scottsville Water	2.00%	13,323	5,551	5,270	281	
Urban Wastewater	47.00%	313,095	130,456	123,854	6,603	
Glenmore Wastewater	1.50%	9,992	4,163	3,953	211	
Scottsville Wastewater	1.50%	9,992	4,163	3,953	211	
	100.00%	<b>\$ 666,160</b>	<b>\$ 277,567</b>	<b>\$ 263,519</b>	<b>\$ 14,048</b>	

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

**Engineering**

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

**Operating Budget vs. Actual**

Notes

**Revenues**

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

**Expenses**

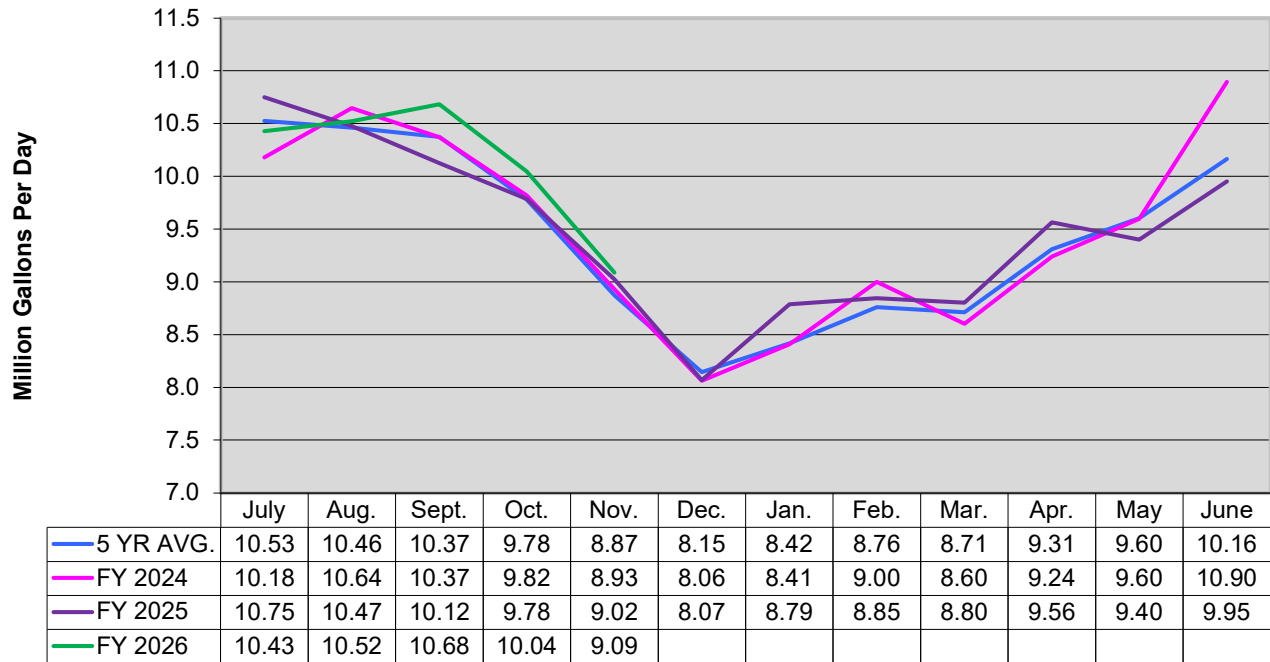
Personnel Cost	\$	2,407,282	\$	1,003,034	\$	951,592	\$	51,442	5.13%
Professional Services		142,000		59,167		39,585		19,581	33.10%
Other Services & Charges		26,875		11,198		12,957		(1,759)	-15.71%
Communications		20,628		8,595		2,883		5,712	66.46%
Information Technology		220,230		91,763		87,071		4,692	5.11%
Supplies		6,700		2,792		4,114		(1,322)	-47.35%
Operations & Maintenance		76,338		31,808		36,117		(4,309)	-13.55%
Equipment Purchases		21,500		8,958		8,958		0	0.00%
Depreciation		-		-		-		-	
<i>Total Operating Expenses</i>	\$	<b>2,921,553</b>	\$	<b>1,217,314</b>	\$	<b>1,143,276</b>	\$	<b>74,037</b>	<b>6.08%</b>

**Department Summary**

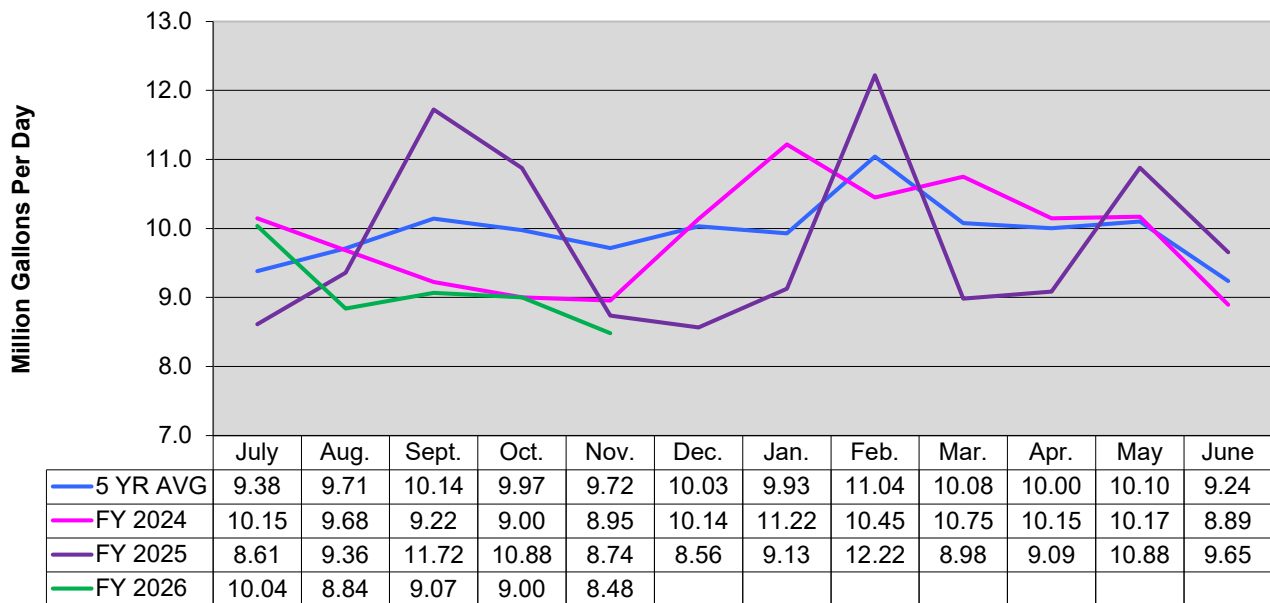
<b>Net Costs Allocable to Rate Centers</b>		\$	(2,921,553)	\$	(1,217,314)	\$	(1,132,814)	\$	(63,574)	5.22%
<b><u>Allocations to the Rate Centers</u></b>										
Urban Water	47.00%	\$	1,373,130	\$	572,137	\$	532,422	\$	39,715	
Crozet Water	4.00%		116,862		48,693		45,313		3,380	
Scottsville Water	2.00%		58,431		24,346		22,656		1,690	
Urban Wastewater	44.00%		1,285,483		535,618		498,438		37,180	
Glenmore Wastewater	1.50%		43,823		18,260		16,992		1,267	
Scottsville Wastewater	1.50%		43,823		18,260		16,992		1,267	
	100.00%	\$	<b>2,921,553</b>	\$	<b>1,217,314</b>	\$	<b>1,132,814</b>	\$	<b>84,500</b>	

# Rivanna Water and Sewer Authority Flow Graphs

## Urban Water Flows



## Urban Wastewater Flows



## MEMORANDUM

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

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

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

**SUBJECT:** DECEMBER 2025 INFORMATION TECHNOLOGY REPORT

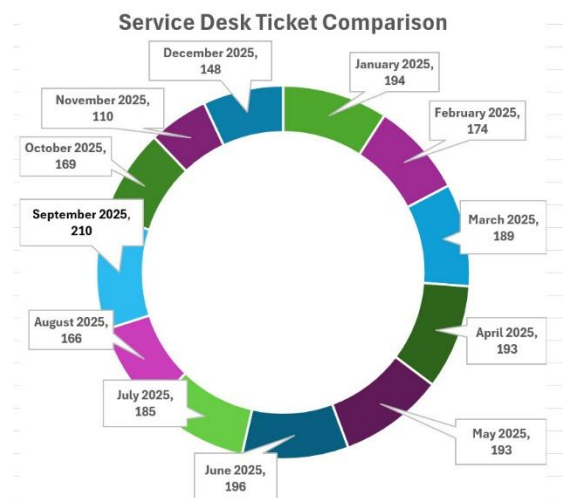
**DATE:** JANUARY 27, 2026

### INFRASTRUCTURE – CORE SYSTEMS

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

**December 2025 the team:**

- Resolved **148** Service Desk Tickets



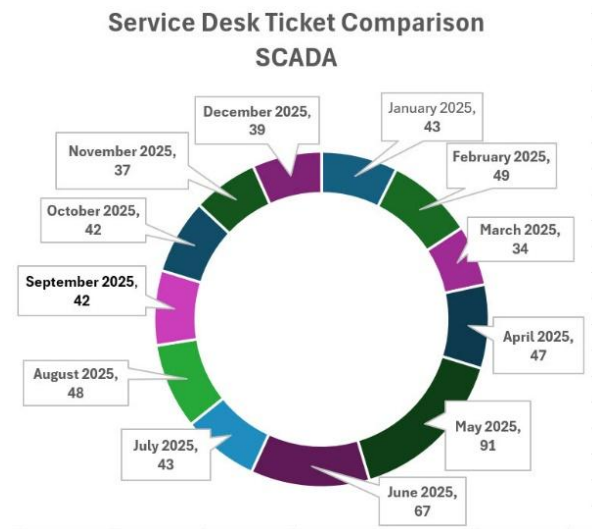
### SCADA / OPERATIONAL SYSTEMS

(SUPERVISORY CONTROLS AND DATA ACQUISITION)

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

**December 2025 the team:**

- Completed **39** SCADA service desk requests





## DIGITAL & PHYSICAL SECURITY - DECEMBER

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

**December 2025 there were:**

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



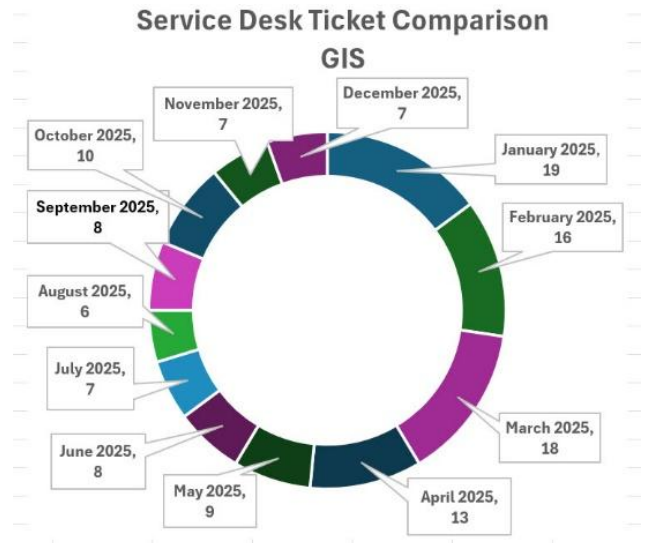
## GIS (GEOGRAPHICAL INFORMATION SYSTEMS)

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

**December 2025 the GIS Coordinator:**

- Digitalized **23** features (points, lines, polygons)
- Completed **17** Daily Inspection reports (for CIPs)
- Processed **29** MISS Utility reports
- Processed **7** Water inspections (GIS attributes adjusted)
- Processed **34** Sewer inspections
- Completed **7** Internal map requests
- Completed **18** Drone site visits for pictures of CIPs

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



## IT Department's Large Project Participation

### Infrastructure

**In progress:** All IT infrastructure has been migrated to a private cloud (Iron Mountain) and we continue to support staff in their new office locations.

### SCADA System

**In progress:** Continuing our support for the capital improvement projects throughout the Authority. Large projects involved replacing PLC 1 at the SRWTP, Red Hill WTP renovations, and Crozet Pump FET remediation. We are working on our Commissioning contract specifications for new CIP projects.

## MEMORANDUM

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

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

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

**SUBJECT: OPERATIONS REPORT FOR DECEMBER 2025**

**DATE: JANUARY 27, 2025**

### WATER OPERATIONS:

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

<i>Water Treatment Plant</i>	<i>Average Daily Production (MGD)</i>	<i>Maximum Daily Production in the Month (MGD)</i>
South Rivanna	7.66	8.70 (12/16/2025)
Observatory	0.69	1.45 (12/3/2025)
North Rivanna	<u>0.07</u>	<u>0.75 (12/24/2025)</u>
<b><i>Urban Total</i></b>	8.42	9.89 (12/9/2025)
Crozet	0.56	0.62 (12/3/2025)
Scottsville	0.06	0.08 (12/23/2025)
Red Hill	<u>0.002</u>	0.004 (12/1/2025)
<b><i>RWSA Total</i></b>	9.04	-

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

### Status of Reservoirs (as of January 20, 2025):

- Urban Reservoirs are 92% of Total Useable Capacity
  - South Rivanna Reservoir is 100% full
  - Ragged Mountain Reservoir is 90% full
- Sugar Hollow Reservoir is 82% full
- Beaver Creek Reservoir (Crozet) is 100% full
- Totier Creek Reservoir (Scottsville) is 100% full

## **WASTEWATER OPERATIONS:**

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

<i><b>WRRF</b></i>	<i><b>Average Daily Effluent Flow (MGD)</b></i>	<i><b>Average CBOD<sub>5</sub> (ppm)</b></i>		<i><b>Average Total Suspended Solids (ppm)</b></i>		<i><b>Average Ammonia (ppm)</b></i>	
		<i><b>RESULT</b></i>	<i><b>LIMIT</b></i>	<i><b>RESULT</b></i>	<i><b>LIMIT</b></i>	<i><b>RESULT</b></i>	<i><b>LIMIT</b></i>
<b>Moore's Creek</b>	8.03	<QL	9	<QL	22	<QL	6.4
<b>Glenmore</b>	0.149	2	15	5.5	30	NR	NL
<b>Scottsville</b>	0.048	<QL	25	4.0	30	NR	NL
<b>Stone Robinson</b>	0.0013	NR	30	NR	30	NR	NL

NR = Not Required

NL = No Limit

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

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

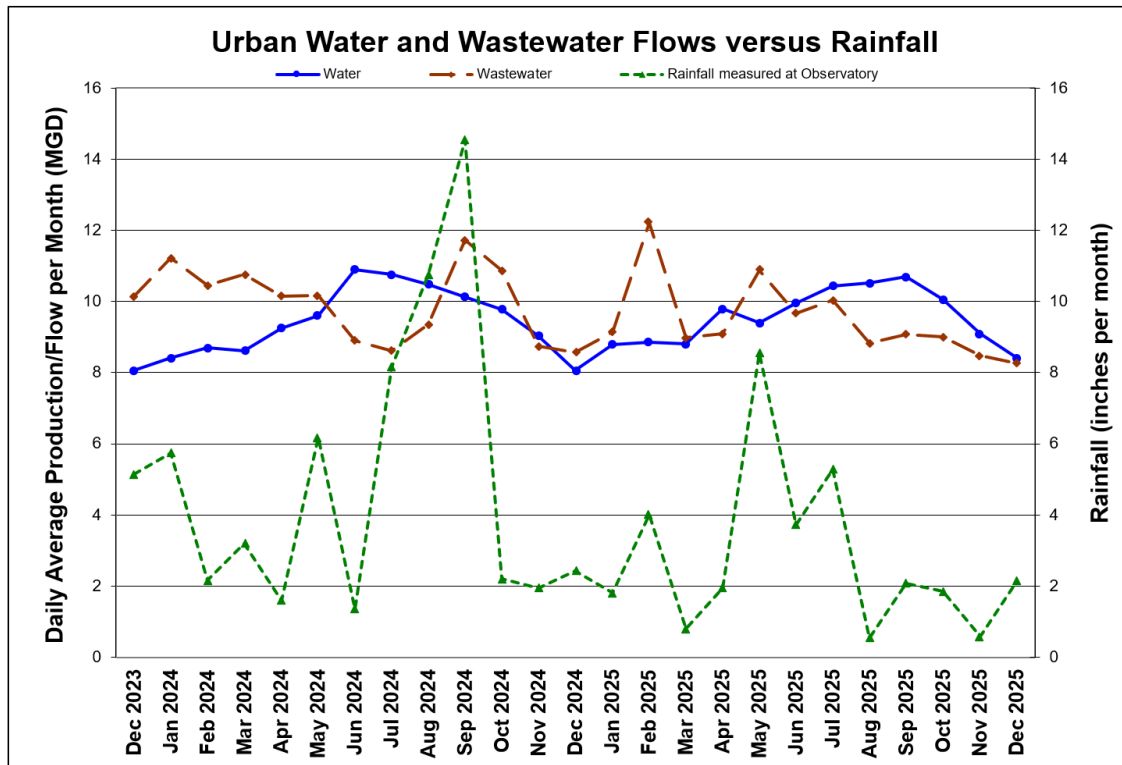
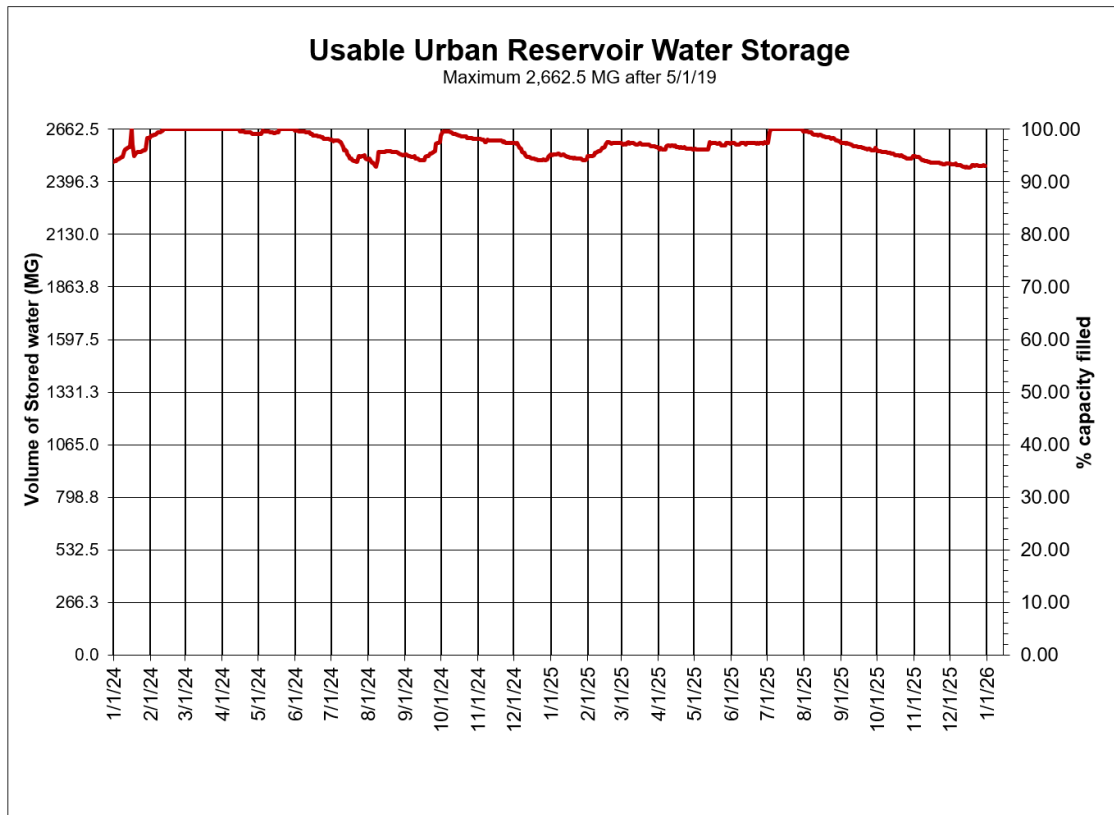
<i><b>State Annual Allocation (lb./yr.) Permit</b></i>		<i><b>Average Monthly Allocation (lb./mo.) *</b></i>	<i><b>Moore's Creek Discharge December (lb./mo.)</b></i>	<i><b>Performance as % of monthly average Allocation *</b></i>	<i><b>Year to Date Performance as % of annual allocation</b></i>
<b>Nitrogen</b>	282,994	23,583	7,045	30%	35%
<b>Phosphorous</b>	18,525	1,636	243	15%	17%

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

## **WATER AND WASTEWATER DATA:**

The following graphs are provided for review:

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





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

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

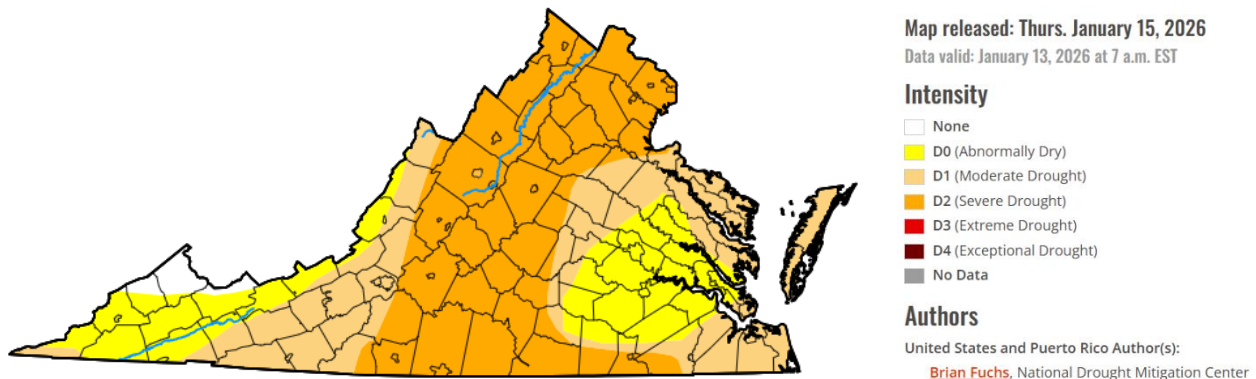
**REVIEWED:** DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR  
BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT:** DROUGHT MONITORING REPORT

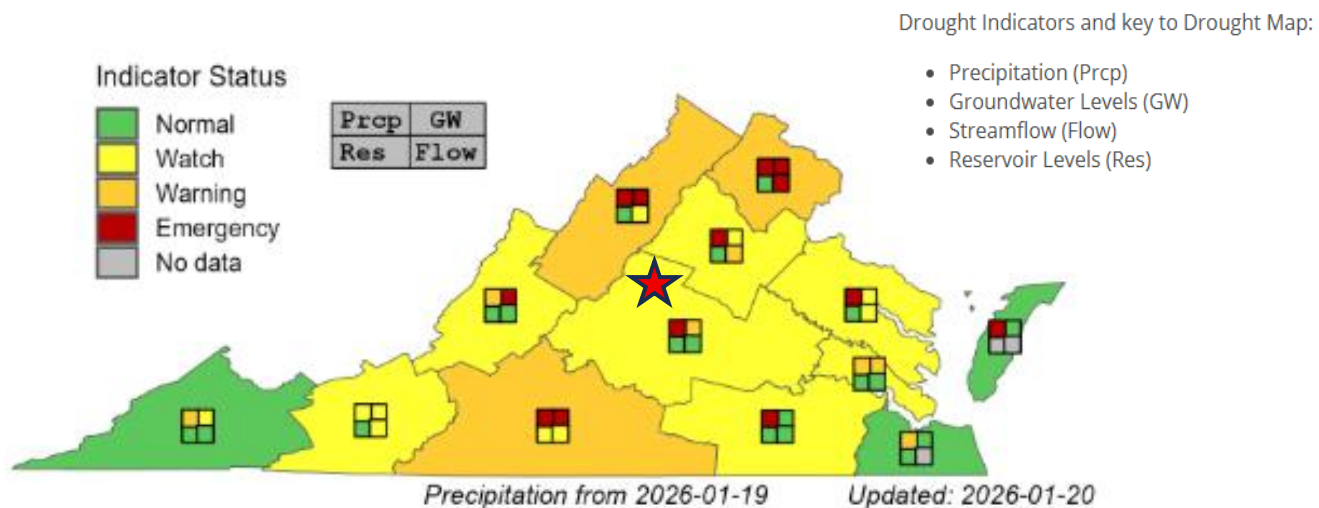
**DATE:** JANUARY 27, 2026

**State and Federal Drought Monitoring as of January 20, 2026:**

- U.S. Drought Monitoring Report: Indicates Albemarle County and the City of Charlottesville are in severe drought conditions.



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



Charlottesville and Albemarle County

## **Precipitation & Stream Flows**

Charlottesville Precipitation					
Year	Month	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
2021	Jan - Dec	33.82	41.61	-7.79	-19
2022	Jan - Dec	43.53	41.61	+1.92	+5
2023	Jan – Dec	26.95	41.61	-14.66	-35
2024	Jan - Dec	39.56	41.61	-2.05	-5
2025	Jan-Dec	32.59	41.61	-9.02	-22

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

USGS Stream Gaging Station Near the Urban Area (Jan 7- Jan 13)				
Gage Name	Rolling 7-day Avg. Stream Flow		2025	
			Mean Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	69.9	45	68.7	44.4
Moormans River	25.5	16.5	28.4	18.4
NF Rivanna River	58.6	37.9	83.1	53.7
SF Rivanna River	113	73	178.7	115.5

Mean streamflow for Jan 7<sup>th</sup> – Jan 13<sup>th</sup> 2025

## **Status of Reservoirs as of Jan 20, 2026**

- Urban Reservoirs are 92 % of Total Useable Capacity
- Beaver Creek Reservoir (Crozet) is 100% of Total Useable Capacity
- Totier Creek Reservoir (Scottsville) is 100% of Total Useable Capacity

## **Drought History in Central Virginia**

- Severe: 1838, 1930, 1966, 1979, 2002
- Longest: May 2007 - April 2009; 103 weeks
- Significant: every 10 -15 years
- Drought of Record: 2001- 2002; 18 months

## MEMORANDUM

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

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

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

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

**DATE:** JANUARY 27, 2025

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

		<i>Month</i>	<i>Daily Average</i>	
City Usage (gal)		121,946,509	3,933,758	46.7%
ACSA Usage (gal)		139,020,695	4,484,539	53.3%
<b>Total (gal)</b>		260,967,204	<b>8,418,297</b>	

The *RWSA Wholesale Metering Administrative and Implementation Policy* requires that water use be measured based upon the annual average daily water demand of the City and ACSA over the trailing twelve (12) consecutive month period. The *Water Cost Allocation Agreement (2012)* established a maximum water allocation for each party. If the annual average water usage of either party exceeds this value, a financial true-up would be required for the debt service charges related to the Ragged Mountain Dam and the SRR-RMR Pipeline projects. Below are graphs showing the calculated monthly water usage by each Utility dating back to the beginning of FY 22, the trailing twelve-month average (extended back to January 2025), and that usage relative to the maximum allocation for each party (6.71 MGD for the City and 11.99 MGD for ACSA). Completed in 2019 for a cost of about \$3.2 M, our Wholesale Metering Program consists of 25 remote meter locations around the City boundary and 3 finished water flow meters at treatment plants.

Note 1: Meter 14 was offline for a period of 9 days in December. Maintenance is evaluating the issue and will repair the meter. As a result of this gap, RWSA used a 3-month average to fill in the data for this meter for the month of December to alleviate this period of inconsistency.

[illegible][illegible]



# STRATEGIC PLANNING

Presented to the RSWA & RWSA Boards of Directors by:

**Leah Beard**

Director of Administration & Communications

January 27, 2026



# STRATEGIC PLANNING: OUR ONGOING PRIORITIES

## Overview & Framework: Mission, Vision, & Values

**Vision:** To serve the community as a recognized leader in environmental stewardship by providing exceptional water and solid waste services.

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

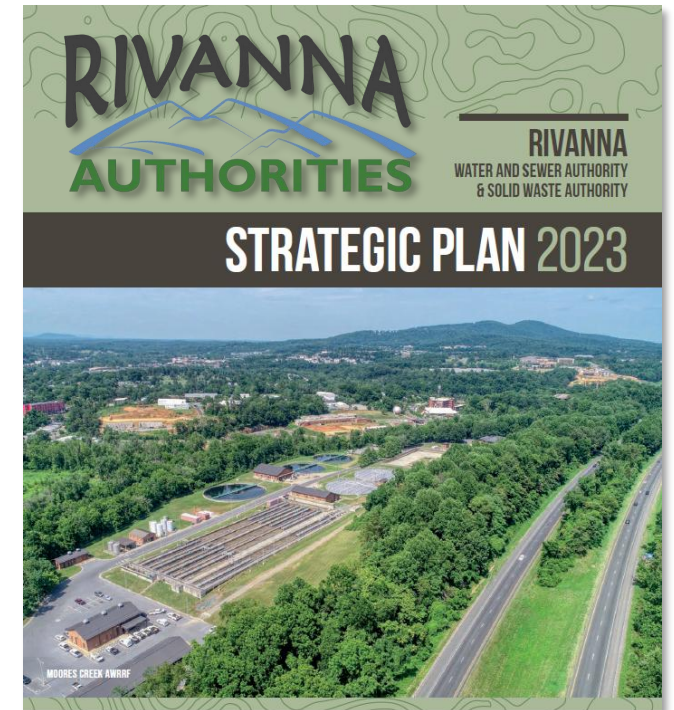
### Values:

*Integrity* – We are open and transparent, lead by example, and are committed to ethical behavior.

*Teamwork* – We work collaboratively to help each other succeed and serve the community.

*Respect* – We treat our fellow employees, customers, business partners, and stakeholders with dignity and respect by embracing their diverse backgrounds and experiences.

*Quality* – We deliver exceptional services and products, serve our community responsibly, and safeguard natural resources.





# STRATEGIC PLAN - PRIORITIES

## Communication & Collaboration

### Proactive Communication with Community Partners :

- Meetings with neighborhood associations regarding Capital Improvement Project
- Outreach events with community partners to keep information flowing

### Tours for our Community Members:

- UVA Engineering
- Scottsville Elementary





# STRATEGIC PLAN - PRIORITIES

## Environmental Stewardship



**Solar Cells** reduce Rivanna's Carbon Footprint.

- Ivy Solid Waste & Recycling Center
- Ragged Mountain Raw Water Pump Station
- MC Administration Building

**Clean Fill Program** at Ivy reduces carbon emissions by decreasing the distance construction vehicles travel.





# STRATEGIC PLAN - PRIORITIES

## Workforce Development

### Leadership Development:

- For recently promoted individuals
- For individuals identified as having an interest in leadership positions

### Retaining Leadership Talent & Succession Planning:

- Exit Interviews
- Staffing Efficiencies
- Future planning
- Career ladders & lattice training

### Innovation:

Our *Water Department Supervisors* have created detailed training plans for our new *Water Operator Trainees*.

These packets include milestones, checkpoints, and specific dates for achievements. In addition, the *Water Supervisors* have submitted an abstract for review to the Technical Programs Committee for presentation at this year's upcoming WaterJam conference.



# STRATEGIC PLAN - PRIORITIES

## Optimization & Resiliency



### **In-House Safety Training:**

Our Safety Manager, George Cheape has received extensive training to be able to provide Arc Flash, Fall Protection, Confined Space, Trench Safety, and OSHA 10 & 30 training coursework to our employees. \*This is estimated to save approximately \$30,000 annually, as 1,260 bi-annual hours of Employee Safety Training will no longer be outsourced.

### **Asset Management:**

Our Asset Management Coordinator, Katie McIlwee, links thousands of Rivanna's assets with CityWorks.

### **Maintenance:**

Linking our assets with CityWorks ensures our Maintenance Team has access to proper parts inventory, supply lists, safety information, maintenance history, while in the field, to extend the life of our assets.



# **STRATEGIC PLAN - PRIORITIES**

## **Planning & Infrastructure**



### **Capital Improvement Projects:**

- **Generational Projects and Improvements for our Community**
- **Addressing the evolving drinking water and wastewater needs of our community**
  - Ragged Mountain to Observatory WTP Raw Water Line and Pump Station
  - Ragged Mountain Reservoir Pool Raise
  - South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Pump Station & Intake
  - Central Water Line
  - Northern Area Utilities

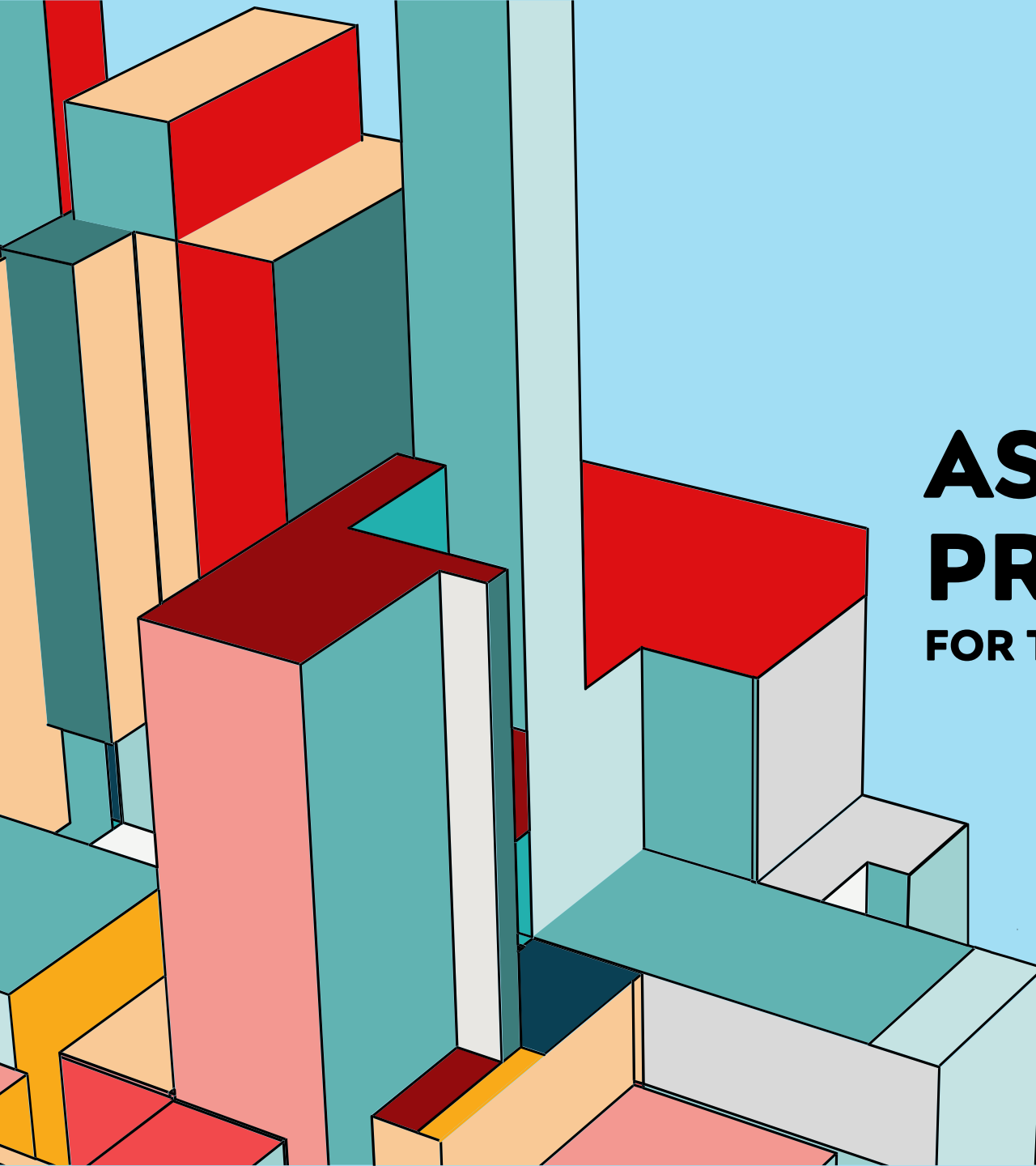


**QUESTIONS / COMMENTS?**

**THANK YOU!**

**RIVANNA**  
  
**AUTHORITIES**



An abstract graphic on the left side of the slide consists of several 3D rectangular blocks of various colors (red, orange, teal, light blue, and white) arranged in a stepped, architectural-like formation. The blocks are outlined in black and set against a solid light blue background.

# **ASSET MANAGEMENT PROGRAM UPDATE**

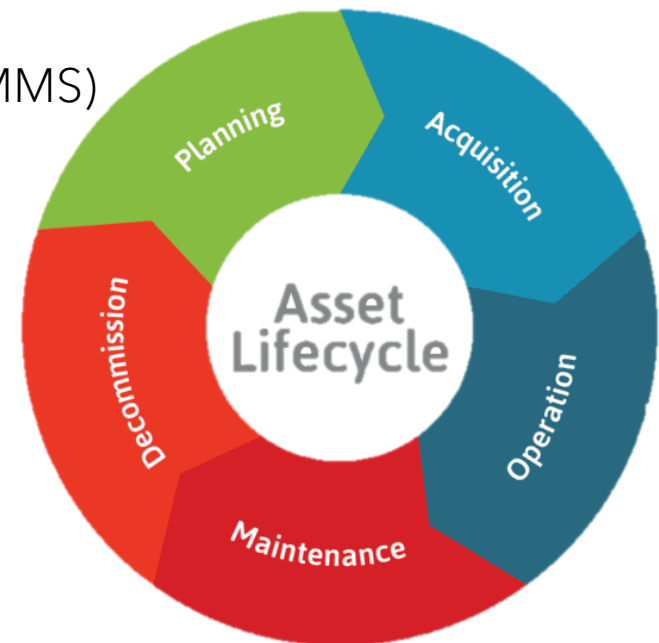
**FOR THE RWSA & RSWA BOARD OF DIRECTORS**

Presented by:  
Katie McIlwee  
Asset Management Coordinator

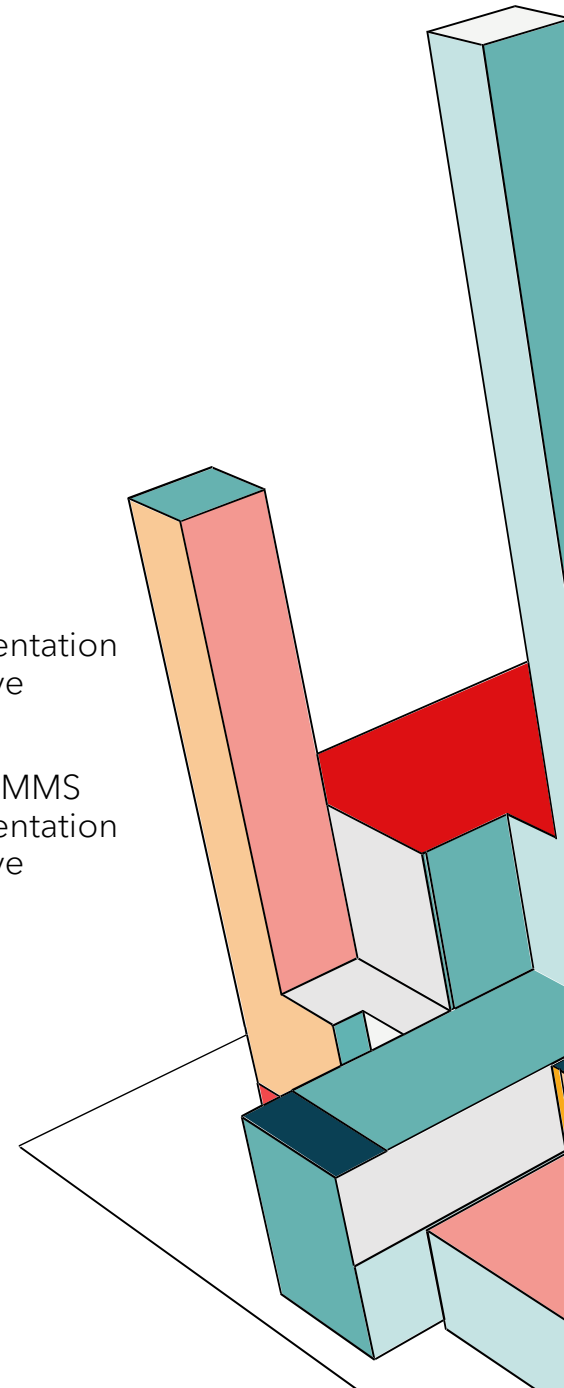
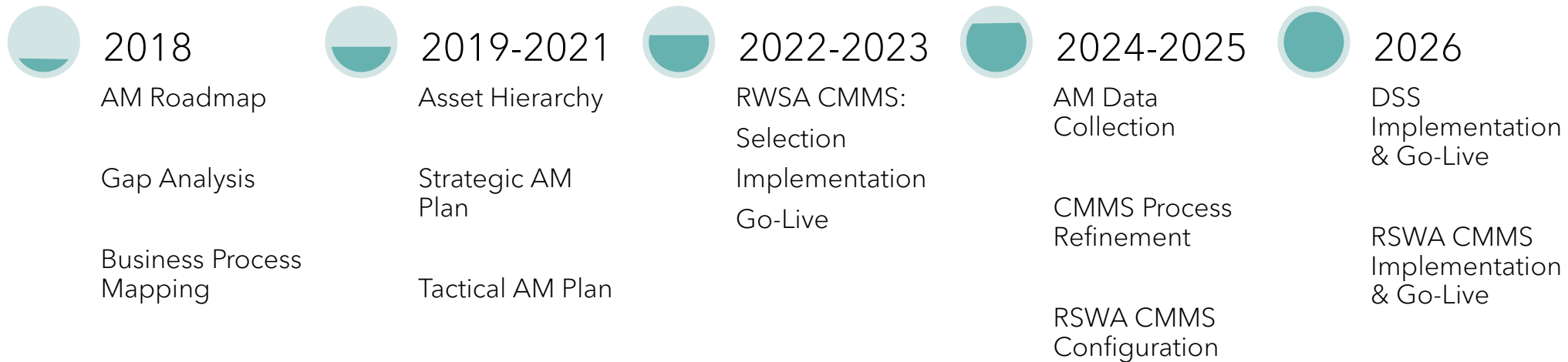
January 27, 2026

# ASSET MANAGEMENT AT THE RIVANNA AUTHORITIES

- *Supports the Strategic Plan: Infrastructure & Master Planning*
- A **long-term** program to attain and sustain the chosen level of service for the life of our assets in the most **cost-effective** manner.
- Rivanna's Asset Management Program consists of:
  - Computerized Maintenance Management Software (CMMS)
    - *Cityworks*
  - Asset Register/GIS
  - Decision Support Software (DSS)
    - Predictor



# ASSET MANAGEMENT AT THE RIVANNA AUTHORITIES



# ASSET MANAGEMENT BENEFITS

- **Improved Performance:** minimizes unplanned repairs
  - Preventative Maintenance Work Orders - 4,643
    - Since June 2023
  - Reactive Maintenance Work Orders - 672
    - Since June 2023
- **Streamlined Operations:** centralizes asset data into a single source of information (GIS)
  - GIS provides data for Cityworks and Predictor
- **Data-Driven Decisions:** provides insights into asset performance and lifecycle costs
  - Cityworks tracks man-hours, equipment, and material costs of maintenance on each asset



# RWSA ASSETS

## Horizontal Assets

*What you can't see* - pipes, valves, manholes, etc. in the ground

Total Assets: 4,244 segments

- Manholes - 685
- Wastewater Flow Meters - 15
- Water Valves - 961
- Wastewater Valves - 26
- Water Pipe - 72 miles (1726 segments)
- Wastewater Pipe - 42 miles

(723 segments)



## Vertical Assets

*What you can see* - treatment plants, pump stations, and the equipment within them

Total Assets: 4,634 / Asset Categories - 89

- Actuator - 257
- Electrical - 257
- HVAC - 246
- Instrumentation - 548
- Motor - 369
- Pump - 373
- Valves - 823





# ASSET LIFECYCLE

Asset lifecycle is based on Management Strategy Groups (MSG)

- Physical Effective Life + (Rehab Frequency x No. of Rehabs) = Maximum Potential Life
- MSGs are assigned based on asset class and distinguishing characteristics
  - 290 MSGs across all asset classes

	MSG/Asset Class	Physical Effective Life	Rehab Frequency-Life Extension	# of Rehabs	Maximum Potential Life
Horizontal Assets (average - years)	Manhole	100	50	1	150
	Wastewater Pipe	75	50	1	125
	Water Pipe	80	0	0	80
	Water Valve	50	0	0	50
Vertical Assets (years)	Gear Drive	15	15	3	60
	HVAC - Unit Heater	10	10	2	30
	Pump-Sump	10	0	0	10
	Valve - Control	15	0	0	15



Total Assets Expired - Based on Age FY 26 & 27	
Manholes	150
Sewer Pipe	4.56 miles
Water Pipe	0.21 miles
Water Valve	38
Vertical - Water	13
Vertical - Wastewater	166

# CITYWORKS: IMPROVEMENTS

The screenshot displays the Cityworks Work Order interface, which is organized into several sections:

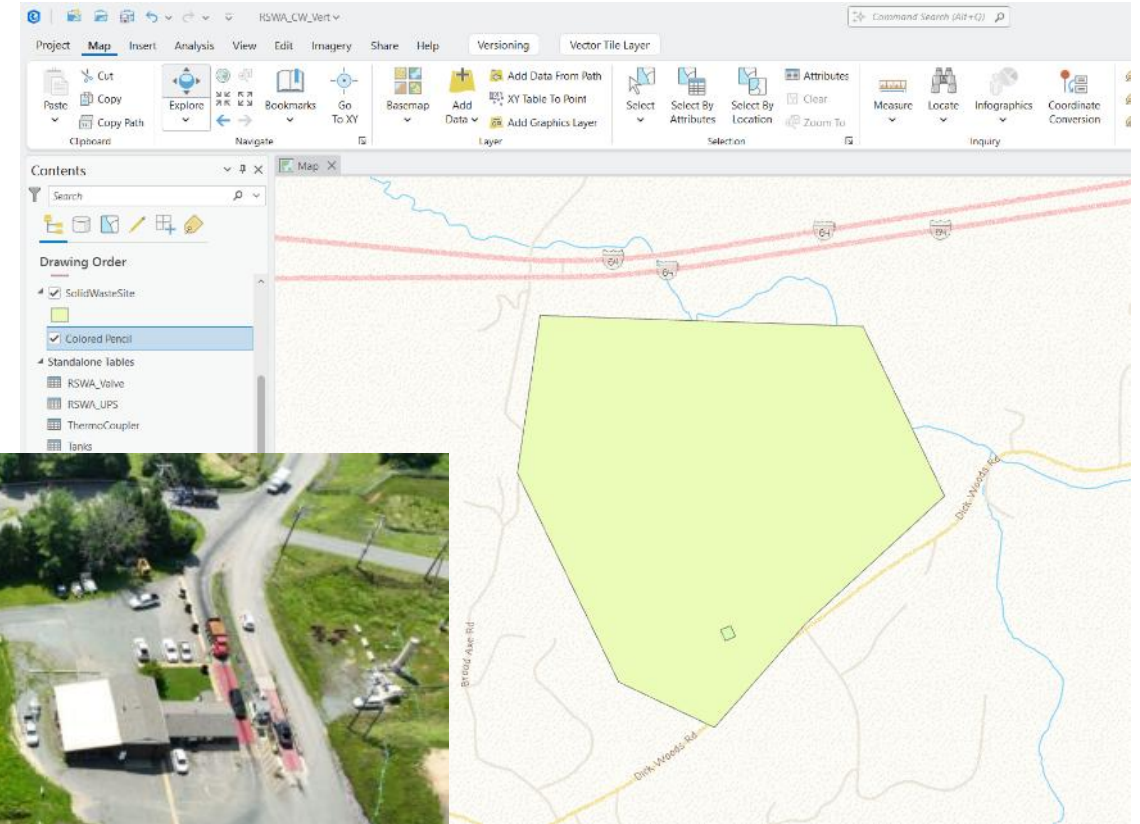
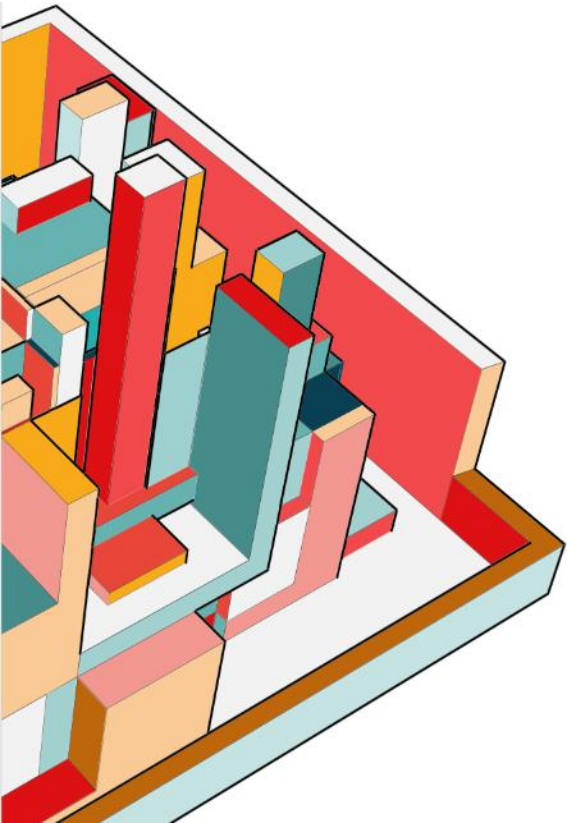
- Work Order Header:** Includes fields for Description (Pump - 180 Day Service), Number (599328), Asset Type (PUMP), and Category (PREVENTIVE MAINTENANCE).
- Details Section:** Contains fields for Project, Account, Contract, and Contractor. It also includes a 'Cancel Work Order' checkbox and a 'Budget' field.
- Assets Section:** Features a table with columns for Type, Uid, Sid, and Feature Type. The table lists assets like SRWTP-PUMP-004 and SRWTP-BLDG-001. Below the table, there are checkboxes for 'Update Work Order XY when adding/removing assets?' and 'Update Work Order XY when adding/removing assets?'.
- Costs Section:** Includes fields for Material Cost (\$123.71), Labor Cost (\$0.00), Equipment Cost (\$0.00), Permit Cost (\$0.00), and Total Cost (\$123.71). There is an 'Add Costs' button.
- Location Information:** Includes a 'Geocode' button and a 'Work Order Address' field.
- Work Cycle, Map Layers, Custom Fields, and Universal Custom Fields:** These are expandable sections on the right side of the interface.

- Use of 'crews' to add pre-loaded materials to work orders
- Department-wide Dashboards for materials tracking in Storeroom
- Update GIS from within Cityworks for certain fields (ex: manufacture, model number, condition)
- Automatically update dates in GIS, such as Date Last Rehabbed or Date Last Maintained, based on work order type
- Use dashboards and reports to analyze asset data, material usage, work order distribution, labor hours, etc.



# CITYWORKS IMPLEMENTATION: RSWA

- New domain in Cityworks to keep RSWA and RWSA workflows and assets separate
- Develop Asset Hierarchy
- Workflow analysis

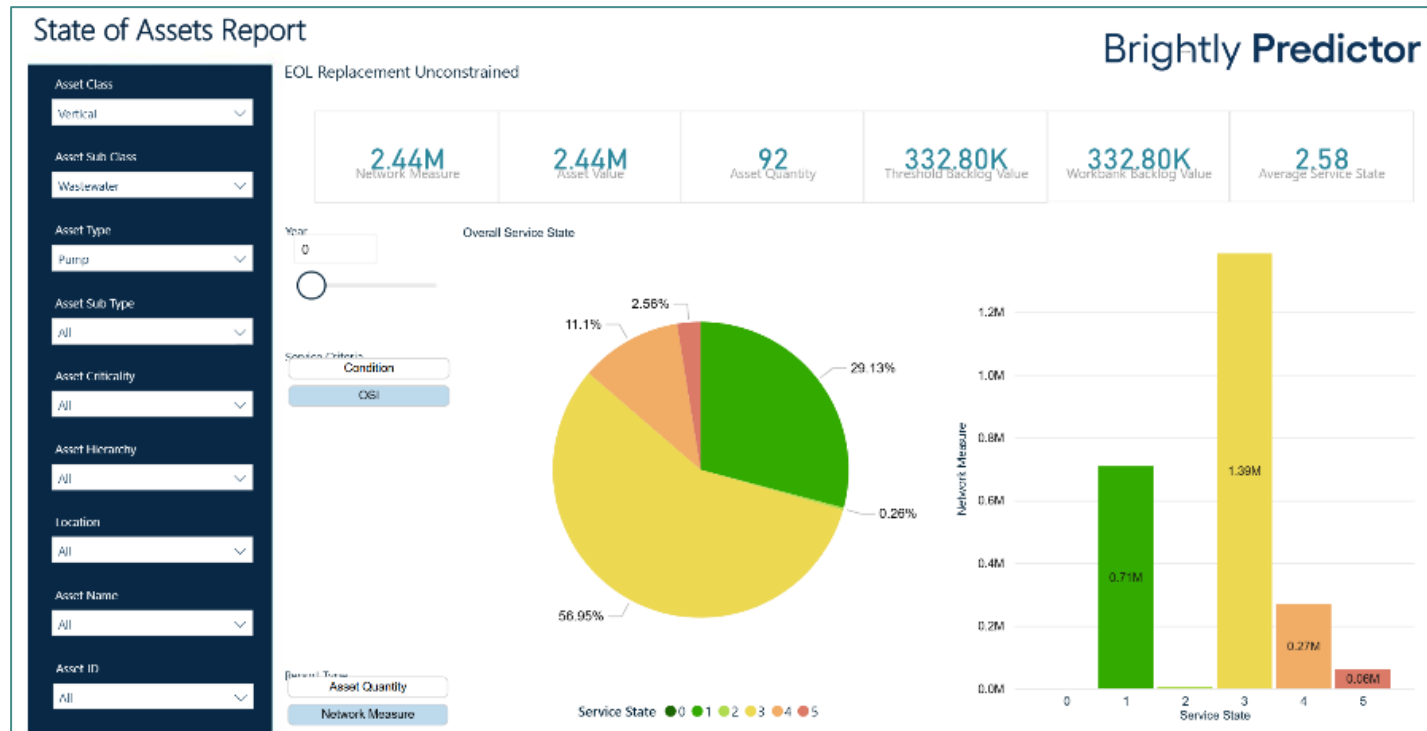




# PREDICTOR

- Forecasts asset performance, evaluates investment options, and build plans that extend asset life and align with strategic priorities

- Asset data pulled directly from GIS
- Currently being implemented. Initial models expected March 2026, with continued model refinement as asset data increases



# NEXT STEPS



- Complete RSWA Cityworks Implementation
  - Work Orders & Inspections in Cityworks
  - Dashboards & Reports
  - End User Training
- DSS (Predictor) implementation to support budget planning



# QUESTIONS?

Thank you





# Grant Funding Update

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**Presented to the Board of Directors**

**ANNIE WEST**

**SUSTAINABILITY & GRANTS COORDINATOR**

**January 27<sup>th</sup>, 2026**





# Continuing Capital Project Grants

- Albemarle County Funding **\$750,000**
  - Red Hill WTP Upgrade and Scottsville Lagoon Liners (2022)
- FEMA: Building Resilient Infrastructure and Communities (BRIC) **\$185,668**
  - Flood Protection Resiliency Design and Scoping Project (2024)
- BIL/VDH Emerging Contaminants Funding **\$7.24M**
  - Crozet WTP Granular Activated Carbon (GAC) Expansion Project (2022-2025)
- NRCS: Dam Safety and Rehabilitation Program **\$1.02M**
  - Beaver Creek Dam Environmental Assessment and Preliminary Design (2023)

# Grant Reimbursements CY25

Jan 1, 2025- June 30, 2025: **\$485,853**

- Hurricane Helene related projects
- Beaver Creek Dam Alteration & Rehabilitation Design
- MCAWRRF MCWWPS Flood Resiliency Study

July 1, 2025- Dec 31, 2025: **\$936,165**

- VDH Emerging Contaminants funding (Crozet GAC Expansion)
- Ragged Mountain Dam Blanket Drain Design
- Scottsville WRRF Generator Upgrade project
- Beaver Creek Dam design

Operations & Maintenance	\$268,614
<u>Capital Improvement Planning</u>	<u>\$1,153,403</u>

**Total: \$1.42M**



# Recent Capital Project Funding

Project	Funding Agency	Funding Awarded	Notice of Award	Details
Hurricane Helene Damages	FEMA/ VDEM Public Assistance Program	\$305,176	October 2025 All projects obligated	SHRWL Repair, Ivy Creek/ Stillhouse Waterline Repair
RMD Blanket Drain Design	VA DCR Dam Safety Grant Program	\$57,400	June 2025	Part of RMD Pool Raise Project
North Rivanna Dam Decommissioning	USFWS National Fish Passage Program	\$100,000	July 2025	Supports the design of Dam demolition and stream bank mitigation

TOTAL CAPITAL PROJECT AWARDS: **\$462,576**



# Operational Project Funding

Project	Funding Agency	Funding Awarded	Notice of Award
Education and Outreach Supplies for Elementary School Tours of the Ivy Recycling Center	VA DEQ: Competitive Litter Prevention and Recycling Program	\$7,500	November 2025
Solid Waste and Recycling Center's operational budget accounts	VA DEQ: Non-Competitive Litter Prevention and Recycling Program	\$47,539	November 2025

**TOTAL OPERATIONAL PROJECT AWARDS : \$55,039**



# 2025 Pending Grant Applications

Project	Funding Agency	Funding Requested	Application Date
SRWTP Emergency Generator Upgrade	FEMA/VDEM: Hazard Mitigation Grant Program	\$6.18M	July 2025
Crozet WTP GAC Expansion	VDH: FY26 Emerging Contaminants Fund	\$2.8M	May 2025
Debris Safety Net at Ivy Transfer Station	VA Risk Sharing Association	\$2,000*	December 2025
Gas Monitors for Engineering Trailer	VA Risk Sharing Association	\$3,975*	

\*Awarded in CY 2026



# 2025 Funding Summary

<b>Total Funds Awarded 2025</b>	<b>\$517,615</b>
Total Funds Unawarded 2025	\$51,500,000*
Total Funds Pending 2025:	\$8,986,389*
<b>Total Funds Awarded 2018-2025</b>	<b>\$10,546,593</b>
Percent of 2025 Funding	4.9 %

\* SRR-RMR Pipeline (BRIC): \$50M *Program cancelled*  
Maury Hill Branch Sewer Upgrades (FY26 Congressionally Directed Spending): \$1.5M *not awarded*

\* SRWTP Emergency Generator Upgrade  
Crozet WTP GAC Expansion  
Safety Grants for RSWA and RWSA

# Upcoming Funding Opportunities

Project	Funding Agency	Funding Requested	Application Timing
Ragged Mountain Dam: Blanket Drain Installation	VA DCR	\$500k	February 2026
Beaver Creek Dam Spillway Rehabilitation: Construction Funding	USDA/ NRCS	\$27M	June-July 2026
RSWA Operational Grants	VA DEQ Litter Prevention and Recycling Program FY26	TBD	July-August 2026



An aerial photograph of the Sugar Hollow Dam, a large concrete structure spanning a river. The reservoir is filled with dark blue water, reflecting the clear sky. The surrounding landscape is covered in dense forest, with many trees showing autumn colors of red, orange, and brown. The hills in the background are also covered in forest, with some peaks appearing more barren. The overall scene is a scenic view of a natural area with a man-made dam.

# Questions?

# Thank you!

Sugar Hollow Dam





# Safety Program Update

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**Presented to the RWSA & RSWA Board of Directors**  
**GEORGE CHEAPE, SAFETY MANAGER**  
**January 27, 2026**



# OK Alone

- Implemented new safety process for our employees working alone at remote locations
  - Streamlined process
  - Enhanced technology
  - Reduced redundancy
  - Saving **\$15,000/year**





# Safety Plus

Working with new electronic platform, *Safety Plus*, to enhance our incident reports.

- Better Incident Tracking
- Improved OSHA reporting
- Employee Toolbox Safety Training
- New Employee Safety Onboarding



# Employee Safety Training

## RWSA and RSWA

### Costs for In-Person Bi-Annual OSHA Training

	OSHA Class Section	Cost per Employee	# of Employees	Total Cost
1	Confined Space Training	\$313.95	43	\$13,500
2	NFPA 70E Arc Flash Training	\$261.63	43	\$11,250
3	Fall Protection Training	\$150	50	\$7,500
4	Trench Safety Training	\$250	50	\$12,500
5	OSHA 30-Hour Training	\$750	20	\$15,000
6	OSHA 10-Hour Training	\$250	30	\$7,500
			Total Savings	\$67,250

\*\*\* Cost to Certify Safety Manager as an Authorized OSHA Trainer = \$1,500 \*\*\*



# VRSA Safety Grants

## RWSA

**\$4,000** funding received from VRSA to purchase three new four-gas monitors for safe “confined space” entry. These monitors will be used by our Engineering Construction Inspectors.



## RSWA

**\$2,000** funding received from VRSA to purchase and install a Safety Net at Rivanna Solid Waste Transfer Station. This will contain windblown debris within the Transfer Station.





# Monitoring Capital Projects

## RWSA

- RMR to OBWTP with Pump Station
- RMR Pool Raise
- SRR Crossing
- SRR to RMR with PS and New Intake Structure
- Central Waterline
- Moores Creek
  - Administration Building
  - Structural Concrete
  - Upfits

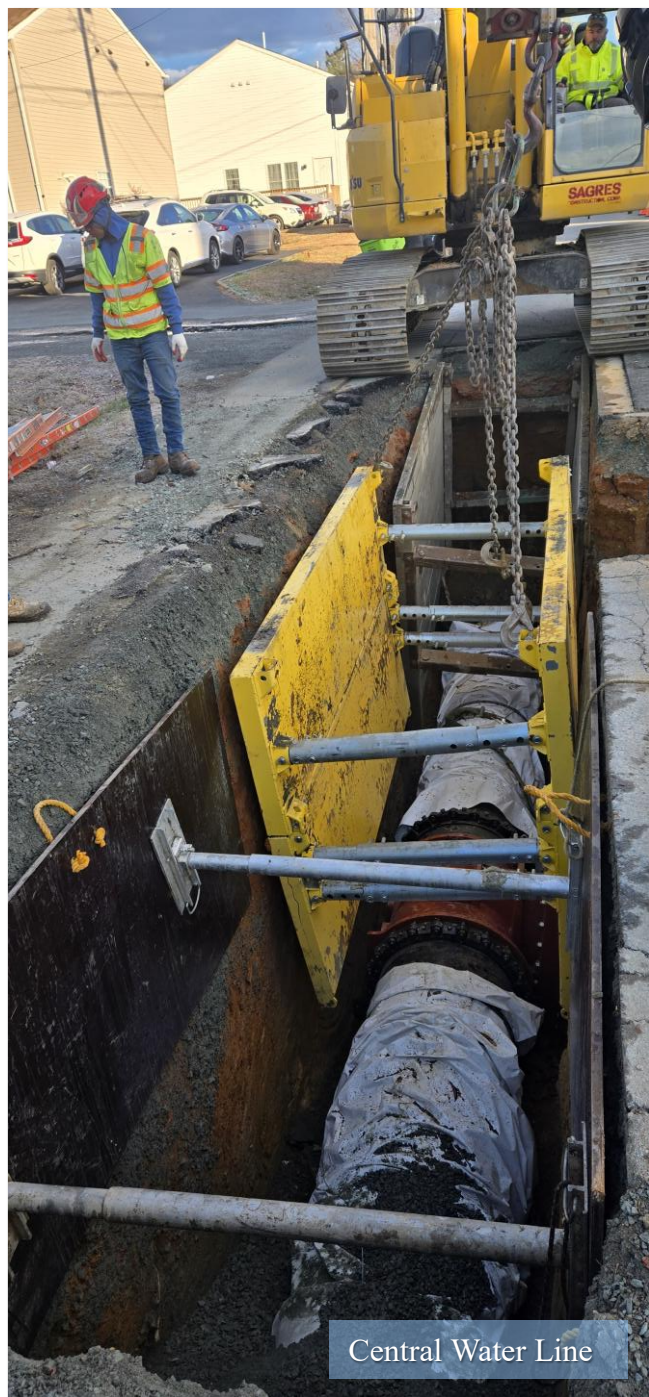
## RSWA

- Baling Facility





Ragged Mountain to Observatory



Central Water Line



Solid Waste Baling Foundation



Administration Building



Ragged Mountain Pool Raise



# How Are We Doing?

- **RSWA**

- 28 Employees

- 21 Incidents

- No Recordable Injuries or  
Lost Time Incidents for 2025!

- 62,400 staff hours worked

- 1 Incident per 2,971 staff hours

- **RWSA**

- 106 Employees

- 37 Incidents

- 8 Recordable Injuries

- 3 Lost Time Incidents

- 226,720 staff hours worked

- 1 incident per 6,128 staff hours



Ivy Transfer Station



# Questions?

Ivy Transfer Station

Solar Panels

Baling Facility

Clean Fill

# Thank you!