



Board of Directors Meeting

April 28, 2026

2:15pm

BOARD OF DIRECTORS

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

DATE: APRIL 28, 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 MARCH 24, 2026**
4. **ELECTION OF CHAIR, VICE CHAIR, & SECRETARY-TREASURER**

Mr. Gaffney is currently the Chair, Mr. Richardson is the Vice-Chair, and Mr. Sanders is the Secretary-Treasurer

After any nominations, a motion, second and vote would be in order to elect new Officers for a two-year term starting on May 1, 2026.

5. **RECOGNITION**
6. **EXECUTIVE DIRECTOR'S REPORT**
7. **ITEMS FROM THE PUBLIC**
Matters Not Listed for Public Hearing on the Agenda
8. **RESPONSES TO PUBLIC COMMENTS**
9. **CONSENT AGENDA**
 - a. *Staff Report on Administration and Communications*
 - b. *Staff Report on CIP Projects*
 - c. *Staff Report on Finance*
 - d. *Staff Report on Information Technology*

- e. Staff Report on Maintenance*
- f. Staff Report on Operations*
- g. Staff Report on Drought Monitoring*
- h. Staff Report on Wholesale Metering*
- i. Approval of Term Contract for On-Call Electrical Services (RFP 25-08) - U.S. Electrical Testing, Carter Machinery*
- j. Approval of Term Contract for On-Call Construction Services (RFP 25-09) – Digs, Inc.*
- k. Approval of Term Agreement for Professional Surveying Services (RFP 25-10) – McKim & Creed, Inc.*
- l. Approval of Term Agreement for Legal Services (RFP 26-02) – Williams Mullen*

10. OTHER BUSINESS

- a. Presentation and Vote to Consider CIP Amendment and Award of Construction Contract for Permit Modifications, Scottsville Water Resource Recovery Facility (IFB # 438) – Orders Construction Company, Inc.; David White III, Project Engineer*
- b. Presentation: Drought and Water Supply Update, 2002 vs. 2026
Bethany Houchens, Water Resource Coordinator*
- c. Presentation: Wastewater Treatment, Facilities, and Staffing Overview
Brian Haney, Wastewater Department Manager*
- d. Presentation: Water Treatment, Facilities, and Staffing Overview
Brad Puffenbarger, Water Department Manager*

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

12. CLOSED MEETING

13. ADJOURNMENT

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

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

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

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

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

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

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

Rev. September 7, 2022



1 **RWSA BOARD OF DIRECTORS**
2 **Minutes of Regular Meeting**
3 **March 24, 2026**

4 A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors was
5 held on March 24, 2026 at 3:00 p.m. at the Albemarle County Service Authority, 168 Spotnap
6 Road, Charlottesville, VA 22911.

7 **Board Members Present:** Mike Gaffney, Jeff Richardson, Sam Sanders, Lauren Hildebrand,
8 Quin Lunsford, Ann Mallek, Lloyd Snook.

9 **Board Members Absent:** None.

10 **Rivanna Staff Present:** Bill Mawyer, Dave Tungate, Lonnie Wood, Jennifer Whitaker, Leah
11 Beard, Daniel Campbell, Cary Wingo, Jeff Southworth, Scott Schiller, Westley Kern, Jacob
12 Woodson, Jon Williams, LaToya Smith, Bethany Houchens, Deborah Anama.

13 **Attorney(s) Present** Valerie Long, William Mullen

14 **1. CALL TO ORDER**

15 Mr. Gaffney convened the March 24, 2026, regular meeting of the Board of Directors of the
16 Rivanna Water and Sewer Authority at 3:00 p.m.

17 **2. AGENDA APPROVAL**

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

20 **Mr. Sanders moved that the Board of Directors approve the agenda. Ms. Mallek seconded**
21 **the motion, which carried unanimously (7-0).**

22 **3. MINUTES OF PREVIOUS BOARD MEETING ON FEBRUARY 24, 2026**

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

25 **Ms. Mallek moved that the Board of Directors approve the minutes from the previous**
26 **meeting on February 24, 2026. Ms. Hildebrand seconded the motion, which carried**
27 **unanimously (7-0).**

28 **4. RECOGNITIONS**

29 There were none.

30 **5. EXECUTIVE DIRECTORS REPORT**

31 Bill Mawyer, Executive Director, stated he wanted to recognize Madison Andriliunas for
32 obtaining her Water Operator Class 2 license. He stated Ms. Andriliunas had been with the
33 Authority for just over a year. He stated that she held a Bachelor of Science degree in
34 Environmental Science from Old Dominion University. He stated that they were pleased to see
35 the water operator staff continue to improve their qualifications.

36 Mr. Mawyer stated that Cary Wingo, Assistant Water Manager, had recently given tours to UVA
37 students and Monticello High School students at the Observatory Water Treatment Plant. He
38 stated that they were partnering with the ACSA and the City on the Fix-A-Leak Home Scavenger
39 Hunt program, which was ongoing. He stated that Wesley Kern, Communication Coordinator,
40 had an information table at Home Depot and promoted the program.

41 Mr. Mawyer stated that in the Planning and Infrastructure program, the addition to the
42 Administrative Building was rapidly being completed. He stated that today, they were setting the
43 steel, with a significant portion having been installed. He stated that the perimeter walls of the
44 new addition were now concrete, and the stairwell and elevator shaft were in place.

45 Mr. Mawyer stated that the Ragged Mountain Reservoir Pool Raising project had progressed
46 well, with all trees removed by the end of March to comply with the endangered northern long-
47 eared bat requirement. He stated that the trees would be barged to a landing site and then shipped
48 out. He stated that they had received revenue from the trees, approximately \$100,000.

49 Mr. Mawyer stated that the piping from Ragged Mountain Reservoir to Observatory WTP
50 project was also underway. He stated that trenching had been installed and piping had been laid
51 along the path. He stated that they would need to perform a bore under Route 29 near Fontaine
52 Ave.

53 Mr. Mawyer stated that Central Water Line - Phase 1 was proceeding well, and the contractor
54 expected to begin subsurface explorations on Jefferson Park Avenue on the south side of the
55 railroad track this week. He stated that a bore pit would be dug, and the pipe would be laid under
56 the railroad track, then taken north under JPA. He stated that would be stage two of the project.

57 **6. ITEMS FROM THE PUBLIC**

58 Dede Smith, participating remotely, stated that she was a City water customer. She stated that the
59 land around the Ragged Mountain Reservoir belonged to the City, so she wanted to know if the
60 City would be credited for the revenue generated from selling the timber harvested from the site.
61 She stated there had been a major installation currently underway near JPA, but it was not the
62 Central Water Line. She stated she wanted to know what that project was and why it was not
63 coordinated with the Central Water Line project.

64 **7. RESPONSES TO PUBLIC COMMENTS**

65 Mr. Mawyer stated that the \$100,000 for the trees was shared by the City and County through a
66 cost allocation agreement. He stated that the County paid 80% of the cost, and the City paid

67 20%. He stated that as a result, the County would receive 80% of the revenue, and the City
68 would receive 20%.

69 Jennifer Whitaker, Director of Engineering and Maintenance, stated that the pipeline installation
70 could be related to a new building construction. She stated it could also be related to a
71 stormwater pipe slip-lining project or a City waterline project on Stribling.

72 **8. CONSENT AGENDA**

73 a. *Staff Report on Administration and Communications*

74 b. *Staff Report on CIP Projects*

75 c. *Staff Report on Finance*

76 d. *Staff Report on Information Technology*

77 e. *Staff Report on Operations*

78 f. *Staff Report on Drought Monitoring*

79 g. *Staff Report on Wholesale Metering*

80 h. *Approval of Term Contract for Grounds and Facilities Maintenance Services - Property*
81 *Management Contractors*

82 i. *Approval to Amend Professional Engineering Services -- Moores Creek Administrative*
83 *Building Renovation & Addition Project - Short Elliot Hendrickson, Inc.*

84 j. *Approval of Professional Engineering Services Term Agreements for Water and Sewer*
85 *Engineering Consulting Services - Kimley-Horn and Associates, Inc.; Whitman, Requardt &*
86 *Associates, LLP; CHA Consulting, Inc.; and HDR Engineering, Inc.*

87 k. *Approval of Term Contract for SCADA and IT Support Services - Magna5, Inc.*

88 **Ms. Mallek moved that the Board of Directors approve the consent agenda. Mr. Lunsford**
89 **seconded the motion, which carried unanimously (7-0).**

90 **9. OTHER BUSINESS**

91 a. *Presentation and Consider Vote to Approve Waiver Request for UVA Rowing Program*

92 Frank Biller, Director of Rowing at UVA, stated that in July 2025, they discussed the transition
93 to electrification for safety launches on the Rivanna Reservoir for the UVA varsity men's rowing
94 programs and the Albemarle High School and Rivanna rowing clubs. He stated that at the time,
95 he was optimistic that they would be relatively fast in moving forward, provided they did not
96 encounter any technical problems or supply chain issues.

97 Mr. Biller stated he did anticipate some potential issues, but he was pleased to report that they
98 successfully completed the entire transition over the summer. He stated that the men's program
99 was ahead of schedule and became the first rowing program of its size in the world to go
100 completely electric. He stated that this was a significant success, but it also required a great deal
101 of effort.

102 Mr. Biller stated that as they moved forward with the full conversion of their assets, they
103 encountered a few issues. He stated some of these issues were related to the equipment,
104 particularly the batteries. He stated the batteries had been on the market for less than two years
105 and had not been extensively tested in high-volume applications. He stated that the batteries were
106 safe and user-friendly, and they were not sensitive to temperatures in terms of charging or
107 operating. He stated that some of the challenges had been addressed.

108 Mr. Biller stated that another challenge they faced was ensuring safe charging operations on the
109 dock. He stated that each battery weighed approximately 140 pounds, and they had two per
110 motorboat. He stated it was not feasible to take these batteries on and off each day, so they
111 needed to install power lines to the dock. He stated they initially used a temporary solution, but
112 eventually, they were able to professionally install charging stations on the dock that are
113 designed to withstand the marine environment and sun exposure.

114 Mr. Biller stated that they also installed special cables that were waterproof and UV-resistant, as
115 well as additional circuitry to prevent damage to the equipment and electrocution. He stated this
116 required significant investment, exceeding \$200,000, plus the installation of charging stations
117 and circuitry on the dock. He stated he had one request, which was to permit the use of gasoline
118 powered engines in case of emergencies. He stated that they requested the potential to use two
119 launches for emergencies for five years. He stated that this would enable access for local law
120 enforcement and first responders who needed access to the water.

121 Mr. Gaffney asked if police would use electric boats if available, or if they would only use the
122 gasoline powered engines.

123 Mr. Biller stated that they would preferably refer the police to the gasoline powered engines, as
124 they were always ready and easier to use. He stated that the electric engines were more involved.

125 Ms. Mallek stated she was interested in the emergency use of the boats over the past five years.

126 Mr. Biller stated that if they had an extended power outage, they could use the gasoline launches
127 for practice until power was restored. He stated that this was also for safety purposes. He stated
128 that if they had a missing persons report, or there was an object in the water needing
129 investigation, they could use the gasoline engines. He stated that there was a case last year when
130 local law enforcement was unable to provide water transportation, but he was able to provide it.
131 He stated these were rare occasions.

132 Ms. Mallek stated that she recalled once or twice a year over that past year and a half where
133 water access was required. She stated that this was not to allow gasoline engine access any time.

134 Mr. Biller stated that they intended to use electric engines as a first choice, but if there were
135 issues, they wanted to be able to use the gasoline engines.

136 Ms. Mallek asked if other teams brought their own launches when competing.

137 Mr. Biller stated that other teams would use UVA's launches.

138 **Ms. Mallek moved that the Board of Directors approve the waiver request from Virginia**
139 **Rowing Association for use of two gasoline powered launches for emergencies for five**
140 **years. Mr. Richardson seconded the motion.**

141 Valeria Long, counsel to the Authority, stated that based on the comments, it seemed that the
142 launches were intended for emergency use, but also for extended power outages, but those may
143 not be considered emergencies. She suggested clarifying that the launches were intended for use
144 during emergencies or after extended power outages that prevented the electric chargers from
145 operating.

146 Ms. Mallek stated that she was considering whether they needed an exception to use the gasoline
147 powered launches to tow electric boats with failed motors. She stated she assumed those fell
148 under emergency operations.

149 **Ms. Mallek amended the motion to include the use of gasoline powered launches due to**
150 **extended power outages that prevented the electric chargers from operating. Mr.**
151 **Richardson seconded the amendment.**

152 **The motion carried unanimously (7-0).**

153 *b. Organizational Agreements of the RWSA*

154 Lonnie Wood, Director of Finance, stated the agreements had been categorized into four main
155 groups: foundation documents, organizational maintenance documents, cost allocation
156 agreements, and other documents.

157 Mr. Wood stated that for the foundation documents, the first one was the concurrent resolution
158 passed by City Council and the Board of Supervisors to establish the Water and Sewer Authority
159 in 1972. He stated that the purpose of Rivanna was to acquire, finance, construct, and maintain
160 facilities for the potable water supply and delivery, as well as the abatement of pollution
161 resulting from sewage from the City and the County. He stated the resolution created the Articles
162 of Incorporation, which in turn established a board with two members each from the City and the
163 County, and one jointly appointed member.

164 Mr. Wood stated the resolution also prohibited Rivanna from contracting with any other party
165 other than the City and the County for water and sewer services. He stated that within a year, the
166 Board worked on a service agreement that was approved by the City, the County, and County
167 Service Authority, known as the Four-Party Agreement. He stated the agreement identified
168 certain facilities that Rivanna was to acquire from the City and the County and future facilities to
169 be constructed.

170 Mr. Wood stated that it also established boundary lines for the service area, outlined how rates
171 were to be calculated and charged, and the agreement was supposed to last through June 30,
172 2012, or until bonds were paid. He stated that at the time, bonds were still outstanding, so the

173 agreement continued. He stated that in 2022, another concurrent resolution by the City and the
174 County formally reauthorized Rivanna for another 50 years.

175 Mr. Wood stated that the Working Agreement on Urban Area Wholesale Flow Allocation and
176 Billing Methodology was adopted in 1983. He stated it was intended to create a blueprint for
177 how rates were applied to monthly billing on a per-thousand-gallon basis. He stated the
178 agreement was still used to this day. He stated that the Joint Resolution of 1983 purchased the
179 Buck Mountain property through bonds. He stated that they created a Buck Mountain surcharge
180 to fund the bonds.

181 Mr. Wood stated that the only amendment to the Four-Party Agreement occurred in 2015. He
182 stated the amendment removed debt service charges from the flow-based rate. He stated this
183 change was made to address the issue of wastewater flows fluctuating as much as 40% from one
184 year to the next. He stated that during a drought year in 2002, it was learned that not enough
185 revenue was collected to pay the debt service. He stated that to avoid future defaults, they
186 changed to a monthly rate. He stated that the Joint Resolution in 2019 ended the Buck Mountain
187 surcharge.

188 Mr. Wood stated that the organizational maintenance documents provided guidance on what was
189 to be done and when it was to be done. He stated the most significant one was the Third Restated
190 Articles of Incorporation, 2009. He stated it created two additional board members, increasing
191 membership to seven. He stated that the membership added one appointed from the County
192 Board of Supervisors, and one appointed from the City Council.

193 Mr. Wood stated that the bylaws mandated when and where to meet. He stated that in 2010, they
194 moved meetings from Mondays to Tuesdays. He stated that some of these bylaws allowed for
195 alternates to attend board meetings in place of a board member without voting rights, and they
196 also enabled board members to participate remotely. He stated there were a handful of bylaw
197 amendments that increased the threshold for the Executive Director to execute contracts.

198 Mr. Wood stated that the next set of documents were cost allocation agreements. He stated that
199 the first three of these agreements were already completed, so they were no longer needed to
200 allocate costs. He stated that the Southern Loop Agreement was completed in 2025, the Urban
201 Water Line Agreement was completed in 2025, and the Moores Creek Release Sewer Agreement
202 was completed in 2012.

203 Mr. Wood stated that these agreements primarily identified capital projects, provided guidance
204 on what was supposed to be done and how it was supposed to be executed. He stated they also
205 outlined the necessary costs between the City and the County for those projects, specifically
206 splitting the debt service. He stated that the South Rivanna water treatment plant expansion
207 allocated 100% of the debt service to ACSA, but it also created a calculation to determine the
208 capacity of the urban water system.

209 Mr. Wood stated that this was further detailed in the Water Cost Allocation Agreement of 2012,
210 which was related to the Ragged Mountain Dam construction and the pipeline between the two
211 reservoirs. He stated the document also allocated safe yield and created a mechanism to monitor
212 water flow between the City and the County, comparing it to safe yield numbers.

213 Mr. Wood stated that the Wastewater Projects Cost Allocation Agreement of 2014 resulted from
214 a handful of projects related to the consent decree by DEQ. He stated that the Northern Area
215 Drinking Water Projects Agreement stated that anything north of the South Rivanna River will
216 be allocated as a capital project to ACSA.

217 He stated the Ragged Mountain Dam Project Agreement was done in conjunction with the cost
218 allocation agreement. He stated it included guidelines on reporting requirements to the Authority,
219 requiring them to measure and study demand and supply every decade and report to the Board.

220 Mr. Wood stated the wholesale metering project was born out of this agreement, where meters
221 were installed at the border of the City and County, measuring water coming to and from each
222 locality. He stated that these figures were reported to the Board each month. He stated that the
223 agreement also included the Ragged Mountain Reservoir lease from the City for 40 years. Mr.
224 Wood stated that the first amendment to the Ragged Mountain Dam Project Agreement in 2023
225 increased the water supply at Ragged Mountain to 700 million gallons a day.

226 He stated that the original trustee agreement was between the Virginia National Bank, but it was
227 now the Bank of New York. Mr. Wood stated the agreement governed all the debt issuance, and
228 it had been supplemented and amended 32 times for each bond issuance. He stated it governed
229 financial accounts and reporting requirements. He stated that every three years it requires staff to
230 perform an engineering report on the entire system to be provided to the trustee.

231 *c. Introduction of FY 2026-2027 Budget and Resolution to Adopt the Preliminary Rate*
232 *Schedule*

233 Mr. Mawyer stated that they had been working on the budget since September. He stated that
234 they worked closely with Ms. Hildebrand and Mr. Lunsford. He thanked staff for their efforts.
235 He stated that as they discussed the budgets, they were guided by the Strategic Plan established
236 in 2023, and the goals including Optimization and Resiliency, Workforce Development,
237 Planning and Infrastructure, Environmental Stewardship, and Communication and Collaboration.

238 Mr. Mawyer stated that over the past five years, they had been deeply focused on planning and
239 infrastructure, particularly the community water supply projects. He stated they were now
240 shifting their focus toward optimization and resiliency, examining operating programs to
241 improve them. He stated the proposed budget for this year was \$72.1 million, representing an
242 \$8.1 million, or a 12.6% increase. He stated that debt service accounted for much of their
243 operating budget, with a proposed increase of \$5.7 million, or 17%.

244 Mr. Mawyer stated that the operating budget of \$33 million was proposed to increase by \$2.4
245 million, or 8%. He stated the City's estimated charges for their services were expected to be
246 approximately \$25.3 million, a \$2.4 million increase, or 10.5%. He stated the charges to the
247 ACSA would be \$42.4 million, a \$5.5 million increase, or 15%.

248 Mr. Mawyer stated that to balance their budget, they had other revenues, such as interest, septage
249 receipts, nutrient credits, and a solid waste allocation to the Authority for joint staff that support
250 both Authorities. He stated the water and wastewater systems were becoming increasingly
251 complex, with technology and cyber security, age and capacity of infrastructure, emerging

252 contaminants, and regulations that required them to adapt. He stated they strived to be
253 sustainable and mindful of affordability for their community.

254 Mr. Mawyer stated that assets included 50 facilities, six water treatment plants, and four
255 wastewater treatment plants, and most communities do not have this many facilities. He stated
256 they provided redundancy and benefits to their community. He stated this also increased costs, as
257 many of these facilities required staff to operate seven days a week. He stated there was a cost
258 component to managing, maintaining, and operating the number of facilities they had.

259 Mr. Mawyer stated that this year, they had achieved several notable milestones. He stated 11 key
260 construction projects were underway, including approximately 10 miles of major piping for the
261 Central Water Line and the South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline. He
262 stated two primary pump stations were under construction at Ragged Mountain Road for the
263 Ragged to Observatory Project and at the South Rivanna Reservoir to Ragged Mountain project
264 that would pump water to Ragged Mountain.

265 Mr. Mawyer stated that they had successfully renewed the Urban water permit, which was a 15-
266 year permit for the urban area which allowed them to take water out of the reservoirs until 2040.
267 He stated they had also finalized the property insurance with the Rivanna Pump Station and
268 collected a \$10 million reimbursement for that work.

269 Mr. Mawyer stated they had optimized the vehicle fleet, reducing it by 10 vehicles, which would
270 save approximately \$300,000 in not repurchasing those vehicles. He stated they produced about
271 3.7 billion gallons of clean, safe drinking water. He stated they processed a similar amount of
272 wastewater, including 6,800 septage truck deliveries and 15,000 tons of biosolids shipped out of
273 Moores Creek.

274 Mr. Mawyer stated that looking ahead to FY 27, they had several major projects planned,
275 including the Central Water Line Phase 2, the Beaver Creek Pump Station, and possibly a project
276 to provide additional pumps and first of two water storage tanks at the Airport Road Pump
277 Station. He stated they also had a number of asset maintenance, reliability, and safety projects,
278 including dam repairs, public safety systems related to dams, and infrastructure planning
279 projects. He stated that the Crozet Drinking Water study would help assess the drinking water
280 capacity serving Crozet. He stated that a flood protection study was scheduled. He stated they
281 also had an water storage capacity study to determine storage needs for the Urban area.

282 Mr. Mawyer stated that debt service accounted for 54% of the budget, while operations
283 accounted for 46%. He stated that expenses for workforce, chemicals, information technology,
284 and utilities accounted for approximately 75% of the operating expenses. He stated that as a
285 result, they had limited flexibility in the operating budget.

286 Mr. Mawyer stated they also had to address biosolids transportation and disposal, which was
287 required. He stated that in addition, they had expenses for wastewater odor control at four pump
288 stations that transferred wastewater from Crozet to the Moores Creek wastewater facility.

289 Mr. Mawyer stated that he proposed a new Division of Information and Operational Technology
290 as a strategic organizational improvement. He stated this would reorganize the Finance and IT
291 Division into two separate Divisions. He stated that cyber security was a top priority nationally.

292 He stated the automated controls for water and wastewater treatment processes were at risk of
293 being compromised. He stated that while they had measures in place to prevent cyber attacks, it
294 was a concern that the IT department addressed daily.

295 Mr. Mawyer stated that currently, the IT department manages desktops, financial management,
296 refuse management at the landfill with 97,000 transactions a year. He stated they also oversaw
297 the Cityworks asset management system. He stated that currently there are nine people in the
298 division; the proposal would add a Director for the Information and Operational Technology
299 Division and reallocate the Asset Coordinator from the Engineering to IT.

300 Mr. Mawyer stated that this change was envisioned in the 2023 Succession Management plan.
301 He stated that the request was to create a new division with a Director who would oversee three
302 teams: a team focused on Microsoft products, a team focused on enterprise-wide systems, and a
303 team focused on the SCADA system. He stated he was also proposing two additional positions: a
304 Project Engineer and a Construction Inspector.

305 Mr. Mawyer stated that they were proposing workforce investment of a 2% merit pool and a
306 2.5% cost of living allowance for eligible employees in the coming year. He stated these were
307 the only merit, COLA, or step adjustments they planned for the staff in the coming year. He
308 stated that in addition to these merit and COLA adjustments, the budget also included benefit
309 cost increases due to taxes, health insurance, and VRS.

310 Mr. Mawyer stated they were proposing three additional positions for FY 27, which would total
311 approximately \$1.2 million for workforce-related investments. He stated that the strategic plan
312 goal was less than a 10% turnover, and last year, they were below that level. He stated that staff
313 turnover was 16% for the evaluation period of April 2025 – March 2026.

314 Mr. Mawyer stated they had 17 positions turnover in the past 12 months. He stated they also
315 experienced high turnover in essential positions. He stated that they had 26% turnover in water
316 operator positions, primarily since January. He stated they found that Class 1 operators were
317 leaving for surrounding utility providers that did not operate at night. He stated that all our
318 operators were required to rotate day and night shifts. He stated that they were looking to address
319 this problem and improve retention.

320 Mr. Mawyer stated that the Albemarle/Charlottesville area was a competitive market. He stated
321 that of the 12 Utilities that responded to his regional poll, they proposed COLA and merit
322 increases between 3% to 5%, with an average of 4.1%. He stated that annual CPI was projected
323 to be about 2.7% by the end of the month. He stated that VRS had a 2.95% increase for Plan 1
324 and 2.48% increase for Plan 2 staff, effective July 1, and Social Security had a 2.8% increase in
325 January 2026.

326 Mr. Mawyer stated they had transitioned from approximately four construction projects per year
327 to as many as 25 under construction this summer, with a total budget of around \$360 million. He
328 stated that to address the workload, he proposed an additional Construction Inspector and Project
329 Engineer. He stated that they aimed to grow these resources internally, as the cost of a consultant
330 inspector was four times more than one they employed. He stated that the ratio was three-to-one
331 for project engineers.

332 Mr. Mawyer stated that these staff members would not only manage and inspect construction,
333 but also handle various other responsibilities, such as the Miss Utility Program, where they
334 received 12,000 tickets per year and marked approximately 2,000. He stated that engineers also
335 worked on the development review program, managing around 25 development-related
336 applications per week. He stated that they also oversaw the Dam Safety program.

337 Mr. Mawyer stated that budget increases were driven primarily by debt service at 71% of the
338 increase. He stated they expected increases in biosolid disposal costs, as well. He stated that
339 chemical costs were anticipated to increase. He stated that as they moved more IT systems to the
340 “cloud”, they would incur additional expenses.

341 Mr. Mawyer stated that to mitigate costs, they had implemented various cost-saving measures,
342 such as reducing the fleet of vehicles from 60 to 50 by eliminating 10 older vehicles. He stated
343 that they estimated a one-time savings of \$300,000 from these reductions. He stated that they had
344 joined an emergency power response program, which could result in annual savings of around
345 \$100,000. He stated that they may be asked to reduce energy demand by turning on emergency
346 power generators to reduce grid load.

347 Mr. Mawyer stated that they had also successfully implemented various cost-saving initiatives,
348 such as in-house training by our safety manager and implementing an “OK Alone” safety
349 system, which had created savings for staff.

350 Mr. Mawyer stated they were projecting charge increases for the next five years. He stated that
351 the charges for FY 27 and FY 28 were less than those forecast for in 2025. He stated that they
352 had an \$85 million capital budget, and a \$604 million CIP. He stated they projected new debt of
353 about \$450 million over the next five years.

354 Mr. Mawyer stated that staff was seeking the Board's approval of the new Information and
355 Operational Technology Division and approval of the Resolution to advertise the preliminary
356 rate schedule and authorize a public hearing to be held at the May Board meeting.

357 Ms. Mallek stated that there were many expensive items that were now present, but the reason
358 they were all there now was because they had been afraid for 10 years to make the necessary
359 changes. She stated she thought about the warning sirens for the dams, which were crucial. She
360 stated she appreciated the modernization efforts of staff.

361 **Mr. Richardson moved that the Board of Directors approve the new Information and**
362 **Operational Technology Division. Ms. Mallek seconded the motion, which carried**
363 **unanimously (7-0).**

364 **Ms. Mallek moved that the Board of Directors approve the Resolution to adopt the**
365 **preliminary rate schedule, including authorization to advertise the preliminary rate**
366 **schedule for a public hearing to be held during the regular meeting of the Board of**
367 **Directors on May 26, 2026. Ms. Hildebrand seconded the motion, which carried**
368 **unanimously (7-0).**

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

370 There were none.

371 ***11. CLOSED MEETING***

372 There was no reason for a closed meeting.

373 ***12. ADJOURNMENT***

374 **Mr. Sanders moved that the Board of Directors adjourn. Ms. Hildebrand seconded the**
375 **motion, which carried unanimously (7-0).**

DRAFT



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: APRIL 28, 2026

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

Promotion and New Credentials for Team Members

After a competitive recruitment process, **Madison Kelly** was selected as our new Laboratory Manager. Madison joined RWSA in 2024 as a Chemist and will assume her new role as Lab Manager following Patricia Defibaugh's retirement in July. Madison holds a Bachelor of Science in Biology and is currently pursuing a Master of Natural Resources at Virginia Tech.

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

- **Tyler Powell**, Water Operator - Class 1. Tyler joined our Water Department in 2024 and holds a Bachelor of Science in Business Administration from Liberty University.
- **Michelle Derryberry**, Water Operator – Class 1. Michelle joined our Water Department in 2025 and holds a Certification in Environmental Technology from Folsom Lake College, Folsom, CA. She also holds treatment certifications in Water and Wastewater from California.
- **Matt Walker**, Backflow Prevention Device Worker License. Matt joined our Maintenance Department in 2016 as a Mechanic and was promoted to Assistant Maintenance Manager in 2025. He has a Class A Commercial Driver's License and certified as an Industrial Mechanic Journeyman.

Drinking Water Week



During *Drinking Water Week*, May 3 – 9, 2026, we celebrate the dedicated individuals who support our drinking water and recognize the essential role water plays in our daily lives. Our professional staff work tirelessly 24/7/365 to ensure we have an adequate quantity of high-quality drinking water.

STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION

Central VA Utility Managers Networking

Our 8th Annual Central Virginia Utility Managers networking meeting was held on April 7th at the South Rivanna Water Treatment Plant. We had attendees from Charlottesville Utilities, Fluvanna County Water, Louisa County Water, Western Virginia Water, Bedford Regional Water, Harrisonburg-Rockingham Regional Sewer Authority, Rapidan Service Authority, and the City of Waynesboro. This meeting provided a good opportunity to network and connect with our neighboring utilities. At the conclusion of the meeting, most attendees participated in a tour of the plant provided by Brad Puffenbarger, Water Dept. Manager and Cary Wingo, Assistant Water Dept. Manager.



Virginia Water & Waste Authorities Association



I attended the 2026 annual meeting of the Virginia Water & Waste Authorities Association in Staunton and was re-elected 1st Vice Chair for the 2026 - 2028 term. VWWAA’s mission is to promote and defend the interests of Virginia’s water and waste authorities.

Educational Tours



Twenty-eight 6th grade students from Peabody School toured the Scottsville Water Resource Recovery Facility on April 15th. Tom Corrice, Assistant Wastewater Manager and Steve Minnis, Jr., Wastewater Supervisor lead the group tour and discussed how wastewater is collected in the distribution system and students observed how wastewater travels from the influent pump station to the plant for treatment or stored in the lagoon, for treatment later. Students viewed both the storage lagoon and the inflow to the plant and observed the aeration basin to discover how it works and the important role of microbes in the nutrient removal treatment process.

STRATEGIC PLAN PRIORITY: ENVIRONMENTAL STEWARDSHIP

Earth Day 2026

Our Environmental Stewardship Committee created an *Earth Month Bingo Challenge* to raise awareness about environmental issues, encourage staff to be better stewards of our environment, and celebrate Earth Day on April 22nd.



STRATEGIC PLAN PRIORITY: PLANNING AND INFRASTRUCTURE

Administration Building - Steel “Topping Out” Ceremony

We were pleased to have current and past Board members, guests, and staff celebrate a major milestone of the Administration Building construction project on April 21st with the placement of the last steel beam on the highest point of the building addition. The project contractor, Martin Horn, provided refreshments along with the opportunity to sign the steel beam. When signings were completed, attendees were able to watch the final beam installation!



Final Steel Beam with Signatures of Attendees



Installation of the beam on the top of the building addition



Central Water Line – Phase 1

Paving of 30” water line trench at the intersection of Piedmont Ave. and Price Ave. - March 26, 2026



South Rivanna to Ragged Mountain Pipeline and Pump Station - March 26





Ragged Mtn Reservoir to Observatory WTP Pipe and Pump Station Project – March 24, 2026





MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: LEAH BEARD, DIRECTOR OF ADMINISTRATION & COMMUNICATIONS

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: ADMINISTRATION & COMMUNICATIONS REPORT

DATE: APRIL 28, 2026

Human Resources

LaToya Smith, *Human Resources Manager* and Alisa Cooper, *Payroll & Benefits Coordinator*, are coordinating two Benefits Fairs in support of Open Enrollment. These in-person events, scheduled for May 4, 2026, and May 15, 2026, are designed to enhance employee understanding of available benefits and encourage greater engagement with the Authority's total compensation offerings.

The Authority's personnel turnover rate is **5.7%** for the 2026 performance evaluation period which began on April 1, 2026.

Communications & Outreach

Westley Kern, *Communications & Outreach Coordinator*, recently hosted students from Monticello High School in partnership with Light House Studio at the Observatory Water Treatment Plant. The students conducted interviews as part of a short documentary project.

Westley is also working collaboratively with partners from the City of Charlottesville and the Albemarle County Service Authority to promote the upcoming regional RiverFest event, scheduled for May 9.

Progress continues on the Central Water Line project. Stage 1 activities north of Lewis Street are nearing completion, while Stage 2 preparations are underway along Jefferson Park Avenue south of Fontaine Avenue. Ongoing communication efforts remain focused on providing timely updates to the community.

Safety

George Cheape, *Safety Manager*, has implemented and communicated an enhancement to the Authority's Vehicle Safety Policy, introducing additional precautions and operational expectations for employees utilizing Rivanna-owned vehicles.

George is also leading efforts to consolidate fire alarm and suppression system contracts across Authority facilities. This initiative is expected to reduce redundancy in inspections, strengthen compliance oversight, and improve cost efficiency.

Additionally, staff are preparing to launch a new incident reporting platform, *Safety Plus*. Manager training is currently underway to ensure a smooth implementation and successful integration of the system into daily operations.

Grants & Sustainability

Annie West, *Grants & Sustainability Coordinator*, has been actively collaborating with the Authority's Environmental Stewardship Strategic Plan Goal Team to develop engaging and educational Earth Day events that promote environmental awareness and community involvement.



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: CIP PROJECTS REPORT

DATE: APRIL 28, 2026

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	July 2027
8	MC Administration Building Renovation and Addition	August 2025	December 2027
9	SVWRRF Permit Modification Upgrades	May 2026	May 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	April 2026	June 2027
14	SRR to RMR Pipeline, Pump Station & Intake	March 2026	December 2030
15	Glenmore WRRF Upgrade, Phase 1	June 2026	August 2027
16	SRWTP – PAC Upgrades	June 2026	June 2027
17	Sodium Hypochlorite Tank Replacement, OBWTP	September 2026	July 2027
18	Central Water Line, Phase 2	October 2026	March 2029

19	MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades	October 2026	May 2028
20	Beaver Creek Dam Spillway Modifications	January 2029	June 2031
21	Beaver Creek Raw Water Pump Station, Intake, and Piping	September 2026	June 2029
22	Upper Schenks Branch Interceptor, Phase 2	2027	2029
23	Dam Concrete and Steel Repairs	September 2026	December 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. SVWRRF Permit Modification 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. SRWTP – PAC Upgrades
17. Sodium Hypochlorite Tank Replacement, OBWTP

Design and Bidding

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

Planning and Studies

24. Flood Protection Resiliency Study
25. Powell Creek Interceptor Upgrade (PC1-PC5)
26. Airport Rd WSTs and Pumps
27. NR River Crossing and Piping
28. Crozet Drinking Water Infrastructure Plan Update

Other Significant Projects

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

Under Construction

1. Central Water Line, Phase 1

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Sagres Construction Corporation (Alexandria, VA)
Construction Start:	October 2025
Percent Complete:	15%
Base Construction Contract + Change Order to Date = Current Value:	\$47,450,000
Completion:	December 2029
Budget:	\$58 M

Current Status: Contractor has completed RWSA and City water line installation in Stage 1 area (Piedmont, Lewis St) and will work on pavement and sidewalk restoration this month. The 2” water line constructed for the City in Lewis St. has been tested, disinfected and placed into service. Test pitting and saw cutting work began in JPA for Stage 2 with water line installation to begin this month.

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:	25%
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 Chemical Storage and GAC building continues.

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 + \$734,933 = \$5,651,873
Completion:	January 2027
Budget:	\$6.55 M

Current Status: Horizontal Directional Drilling (HDD) subcontractor terminated the recovery efforts to retrieve a stuck component of the drilling process located within the original drilled alignment, and began drilling a partial parallel HDD tunnel (interceptor tunnel) in March. Unfortunately, another component of the drilling process (mud motor) broke off in the interceptor tunnel and the work has

come to a complete stop again. The contractor is evaluating options to complete the work. A portion of Old Rio Mills Road will be closed for several more months during construction of the 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:	25%
Base Construction Contract +	
Change Order to Date = Current Value:	$\$56,532,000 - \$2,779,390 + \$50,931 = \$53,803,541$
Completion:	June 2029
Budget:	\$61.49 M

Current Status: Pipeline construction continues between Ragged Mountain Reservoir and the new pump station on Reservoir Road. Construction of the pump station foundation and walls is complete, and the Contractor is backfilling in preparation for construction of the building slab. The Contractor began installing the raw water main under US-29 via jack and bore, but unfortunately, ran into very large boulders that impeded the work. Staff and the Contractor are working together to assess the geotechnical conditions and determine a path forward.

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:	25%
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 continues demolition and utility relocations in the Blower Building. In the Vehicle Maintenance Building, the walls are being framed for the new office space, and demolition work for the new oil storage room is on-going.

6. MCAWRRF Structural and Concrete Rehabilitation

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	WM Schlosser (Hyattsville, MD)
Construction Start:	May 2025
Percent Complete:	25%
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: Roofing and gutter installation on the North Maintenance Shed is ongoing. Concrete repairs and painting in the equalization basins are generally complete and blasting and painting work began in one of the primary clarifiers.

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:	July 2027
Budget:	\$12.35 M

Current Status: Contractor mobilized to Pump Station No. 2. Bypass pumping was installed and tested. Renovations are underway.

8. Moore's Creek Administration Building Renovation and Addition

Design Engineer:	SEH
Construction Contractor:	Martin Horn (Charlottesville, VA)
Construction Start:	August 2025
Percent Complete:	30%
Base Construction Contract+	
Change Order to Date = Current Value:	\$22,094,000
Completion:	December 2027
Budget:	\$27.6 M

Current Status: Structural steel framing and flooring installations are underway.

9. SVWRRF Permit Modification Upgrades

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

Current Status: This project includes influent pump station and headworks upgrades, an additional chemical application and storage building. Construction bids were opened on March 4th and a recommendation for the award will be provided to the Board in April.

10. RMR Pool Raise

Design Engineer:	Schnabel Engineering
Construction Contractor:	Faulconer Construction (Charlottesville, VA)
Construction Start:	September 2025
Percent Complete:	55%
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 felling was completed ahead of the March 31st deadline as required by restrictions associated with the Northern Long-Eared Bat. Clean-up efforts for the fallen trees will continue through the summer. Work has also started on the lower parking lot expansion along Reservoir Road and the boat ramp at the reservoir. Contractor will start the blanket drain system at the dam in May.

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: 30%
Base Construction Contract+
Change Order to Date = Current Value \$1,439,440
Completion: June 2027
Budget: \$2.185 M

Current Status: Pipeline rehabilitation along two sections of the Powell Creek Interceptor was completed during the week of March 30th, and rehabilitation of three sections of the Moores Creek Interceptor is underway.

12. Crozet WTP GAC Expansion, Phase 1

Design Engineer: SEH
Construction Contractor: English Construction Company (Lynchburg, VA)
Construction Start: March 2026
Percent Complete: 5%
Base Construction Contract +
Change Orders to Date = Current Value \$9,920,000
Completion: May 2028
Budget: \$12.165 M

Current Status: Work onsite began in March. 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: April 2026
Percent Complete: 5%
Base Construction Contract +
Change Orders to Date = Current Value \$825,245 - \$192,417 = \$632,828
Completion: June 2027
Budget: \$1.36 M

Current Status: Mobilization is anticipated later this month. The first activity to be completed onsite will be the small directional drill of the underground electric under the creek between the treatment

plant and pump station.

14. SRR to RMR Pipeline, Intake, and Facilities

Design Engineer:	Kimley Horn
Construction Contractor:	Garney Construction (Fairfax, VA)
Construction Start:	March 2026
Percent Complete:	5%
Completion:	December 2030
Budget:	\$107 M

Current Status: Tree felling has been completed at the pump station/intake site, as well as along the pipeline alignment near Woodburn Road and the ACPS Lambs Lane Campus. Clean-up of these areas continues. The Contractor anticipates beginning pipeline installation in May in private easements adjacent to Woodburn Road near the South Rivanna WTP.

15. Glenmore WRRF Upgrade, Phase 1

Design Engineer:	SEH
Construction Contractor:	Maverick Construction, LLC (Grasonville, MD)
Construction Start:	June 2026
Percent Complete:	5%
Completion:	August 2027
Budget:	\$1.8 M

Current Status: Contractor is working on shop drawing submittals and ordering materials.

16. 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.

17. Sodium Hypochlorite Tank Replacement, OBWTP

Design Engineer:	Short Elliott Hendrickson (SEH)
Construction Contractor:	Waco, Inc. (Sandston, VA)
Construction Start:	September 2026
Percent Complete:	5%
Base Construction Contract +	
Change Order to Date = Current Value:	\$227,000

Completion: July 2027
Budget: \$293,000

Current Status: Project includes replacement of two existing hypochlorite tanks. Tanks have been ordered with delivery expected by September.

Design and Bidding

18. Central Water Line, Phase 2

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

Current Status: Plans have been submitted for City site plan review. Easements on two City parcels will be requested from City Council.

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

Design Engineer: Hazen and Sawyer (Hazen)
Project Start: June 2023
Project Status: 100% Design
Construction Start: October 2026
Completion: May 2028
Budget: \$10.2 M

Current Status: 100% design documents were submitted for review. Acquisition of a small parcel outside the MC fence line is needed for construction. Negotiations are underway.

20. Beaver Creek Dam Spillway Modifications

Design Engineer: Schnabel Engineering
Project Start: February 2018
Project Status: 80% Design
Construction Start: January 2029
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.

21. Beaver Creek Raw Water Pump Station, Intake, and Piping Improvements

Design Engineer: Hazen & Sawyer

Project Start:	February 2018
Project Status:	95% Design
Construction Start:	Sept 2026
Completion:	June 2029
Budget:	\$39.0 M

Current Status: Hazen is preparing final Plans and Specifications for bid advertisement this spring. Discussions with the County are underway regarding a lease for the Pump Station property. Easement negotiations for the raw water main to convey raw water from the pump station to the WTP continue with residents adjacent to the alignment.

22. Upper Schenks Branch Interceptor, Phase 2

Design Engineer:	CHA Consulting
Project Start:	July 2021
Project Status:	Design
Construction Start:	2027
Completion:	2029
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.

23. Dam Concrete and Steel Repairs

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

Current Status: Preliminary Design Drawings for the Project have been completed and are under review by staff. Additional field assessment is scheduled for April to finalize repair needs.

Planning and Studies

24. Flood Protection Resiliency Study

Design Engineer:	Hazen
Project Start:	August 2024
Project Status:	Preliminary Engineering/Study
Completion:	June 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. A meeting to discuss initial findings and the next steps was held on Wednesday, February 25th. As a result, Hazen is performing additional evaluations on the feasibility of a flood wall and an emergency entry path to the Moores Creek facility off Interstate 64.

25. Powell Creek Interceptor Upgrade (PC1-PC5)

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

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

26. Airport Rd Water Storage Tanks and Pumps

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

Current Status: Coordinating site plan with Albemarle County staff for one water storage tank.

27. NR River Crossing and Piping

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

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

28. 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 finalizing the land use model for demand forecasting and anticipates completing a draft of the demand forecast report this month. Meetings have been held with County staff to review land use maps and the resulting impacts on the demand projection process.

Other Significant Projects

29. Urgent and Emergency Repairs

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

Project No.	Project Description	Approx. Cost
2023-01	Finished Water System ARV Repairs	\$150,000
2025-03	Rivanna Interceptor Stream Crossing Repairs	TBD

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

30. Security Enhancements

Design Engineer:	Hazen & Sawyer
Construction Contractor:	Security 101 (Richmond, VA)
Construction Start:	March 2020
Percent Complete:	99% (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. These are the last existing facilities where card access is needed. 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: FEBRUARY MONTHLY FINANCIAL SUMMARY – FY 2026

DATE: APRIL 28, 2026

Financial Snapshot

The Authority’s actual operating revenues for the first eight months of this fiscal year are \$1,602,000 over the prorated annual budget estimates, and operating expenses are over the prorated budget by \$56,000, resulting in an operating surplus of \$1,546,000. Urban Water flows and operating rate revenue for this month are 2.9% over budget estimates. Urban Wastewater flows and operating rate revenue are 2.7% under budget. The two Urban rate centers combined generated \$12,000 in excess revenues related to these flows. The Authority has received \$1,037,000 in PFAS litigation funds this fiscal year, which is another source of excess revenues. These excess revenues are offset by some quarterly and annual payments of operating expenses discussed on the next page. Revenues and expenses are summarized in the table below:

February 2026 Year-to-Date Budget vs Actual Results:

	Budget	Actual	Variance
Operations			
Revenues	\$ 20,430,601	\$ 22,032,433	\$ 1,601,832
Expenses	20,430,601	20,486,168	(55,567)
Surplus (deficit)	\$ -	\$ 1,546,265	\$ 1,546,265
Debt Service			
Revenues	\$ 22,275,496	\$ 22,208,269	\$ (67,227)
Expenses	22,275,496	22,248,825	26,671
Surplus (deficit)	\$ -	\$ (40,556)	\$ (40,556)
Total			
Revenues	\$ 42,706,097	\$ 44,240,702	\$ 1,534,605
Expenses	42,706,097	42,734,993	(28,896)
Surplus (deficit)	\$ -	\$ 1,505,709	\$ 1,505,709

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 WTP lease (\$175,000) is made in August. Insurance premiums are generally paid at the beginning of each quarter.
- B. Personnel Costs (most departments) – The prorated budget amounts through February are calculated as 8/12 (or 66.7%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 18 out of 26 total pay periods through January (or 69.2%). This 2.5% difference affects the comparison of budget vs. actual payroll costs. For several departments, salaries are over the prorated budget, but the overages are reduced by health insurance premium rebates. 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, Finance/IT – pages 2, 3, 9) – Urban Water and Crozet Water are over the prorated budget in this category by \$111,000 and \$20,000 respectively for engineering and technical services. Urban Water incurred \$15,000 in unbudgeted legal fees related to leases. The Finance/IT division is \$54,000 over budget in this category for an unbudgeted engineering report to the bond trustee.
- D. Communication – (Urban Water, Finance/IT – pages 2, 9) – Urban Water and Finance/IT are over the prorated budget in this category \$14,000 and \$31,000, respectively, for higher than anticipated telephone and data services.
- E. Information Technology (Administration, Lab – pages 8, 11) – The Administration department paid for unbudgeted annual renewal fees for safety training and incident reporting software and website maintenance fees. The Lab paid \$64,000 for unbudgeted annual subscription fees for lab information management system software.
- F. Operations and Maintenance (Urban Water, Crozet Water, Maintenance – pages 2, 3, 6) – Urban Water has spent \$164,000 more than originally estimated for its annual line break repairs, and other equipment maintenance and repair costs are running high, which has pushed this category \$307,000 over the prorated budget. Crozet Water is currently \$27,600 over the prorated budget in this category for chemical costs. The Maintenance department is \$40,000 over the prorated budget for vehicle and equipment repairs.
- G. Equipment Purchases – (Urban Water, Urban Wastewater – pages 2, 5) – Urban Water and Urban Wastewater incurred unbudgeted equipment rental costs of \$14,000 and \$66,000, respectively.

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026
 Fiscal Year 2026

Consolidated
Revenues and Expenses Summary

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 28,565,847	\$ 19,043,898	\$ 19,056,339	\$ 12,441	0.07%
Lease Revenue	120,000	80,000	98,306	18,306	22.88%
Admin., Finance/IT, Maint. & Engineering Revenue	998,000	665,333	723,094	57,761	8.68%
Other Revenues	689,654	459,769	1,845,090	1,385,321	301.31%
Interest Allocation	272,400	181,600	309,604	128,004	70.49%
Total Operating Revenues	\$ 30,645,901	\$ 20,430,601	\$ 22,032,433	\$ 1,601,832	7.84%

Expenses

Personnel Cost	B \$ 14,179,052	\$ 9,452,702	\$ 9,751,035	\$ (298,333)	-3.16%
Professional Services	C 777,950	518,633	601,076	(82,443)	-15.90%
Other Services & Charges	4,580,981	3,053,987	2,934,557	119,430	3.91%
Communication	D 291,328	194,219	223,320	(29,101)	-14.98%
Information Technology	E 2,398,380	1,598,920	1,213,344	385,576	24.11%
Supplies	60,031	40,021	41,974	(1,953)	-4.88%
Operations & Maintenance	A,F 6,856,926	4,571,284	4,759,623	(188,339)	-4.12%
Equipment Purchases	G 551,250	367,500	327,906	39,594	10.77%
Depreciation	950,000	633,333	633,333	(0)	0.00%
Total Operating Expenses	\$ 30,645,898	\$ 20,430,599	\$ 20,486,168	\$ (55,569)	-0.27%
Operating Surplus/(Deficit)	\$ 3	\$ 2	\$ 1,546,265		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 31,290,304	\$ 20,860,203	\$ 20,860,200	\$ (3)	0.00%
Septage Receiving Support - County	109,440	72,960	109,440	36,480	50.00%
Buck Mountain Lease Revenue	10,000	6,667	11,122	4,455	66.83%
Trust Fund Interest	456,900	304,600	223,107	(81,493)	-26.75%
Reserve Fund Interest	1,546,600	1,031,067	1,004,399	(26,667)	-2.59%
Total Debt Service Revenues	\$ 33,413,244	\$ 22,275,496	\$ 22,208,269	\$ (67,227)	-0.30%

Debt Service Costs

Total Principal & Interest	\$ 21,245,638	\$ 14,163,759	\$ 14,163,759	\$ -	0.00%
Reserve Additions-Interest	1,546,600	1,031,067	1,004,399	26,667	2.59%
Debt Service Ratio Charge	725,000	483,333	483,333	-	0.00%
Reserve Additions-CIP Growth	9,896,000	6,597,333	6,597,333	-	0.00%
Total Debt Service Costs	\$ 33,413,238	\$ 22,275,492	\$ 22,248,825	\$ 26,667	0.12%
Debt Service Surplus/(Deficit)	\$ 6	\$ 4	\$ (40,556)		

Summary

Total Revenues	\$ 64,059,145	\$ 42,706,097	\$ 44,240,701	\$ 1,534,605	3.59%
Total Expenses	64,059,136	42,706,091	42,734,993	(28,902)	-0.07%
Surplus/(Deficit)	\$ 9	\$ 6	\$ 1,505,709		

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Urban Water Rate Center
 Revenues and Expenses Summary

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

		Notes				
Revenues						
Operations Rate Revenue	\$ 12,376,260		\$ 8,250,840	\$ 8,490,609	\$ 239,769	2.91%
Lease Revenue	90,000		60,000	75,254	15,254	25.42%
Grants	-		-	296,648	296,648	
Other Revenue	-		-	941,224	941,224	
Interest Allocation	120,000		80,000	135,607	55,607	69.51%
Total Operating Revenues	\$ 12,586,260		\$ 8,390,840	\$ 9,939,342	\$ 1,548,502	18.45%
Expenses						
Personnel Cost	\$ 2,725,694	B	\$ 1,817,129	\$ 1,902,797	\$ (85,668)	-4.71%
Professional Services	220,500	C	147,000	267,692	(120,692)	-82.10%
Other Services & Charges	1,210,134		806,756	746,278	60,478	7.50%
Communications	91,500	D	61,000	75,297	(14,297)	-23.44%
Information Technology	197,100		131,400	61,715	69,685	53.03%
Supplies	10,031		6,687	8,656	(1,969)	-29.45%
Operations & Maintenance	3,116,833	A, F	2,077,889	2,384,896	(307,008)	-14.77%
Equipment Purchases	26,900	G	17,933	32,360	(14,427)	-80.45%
Depreciation	300,000		200,000	200,000	-	0.00%
Subtotal Before Allocations	\$ 7,898,692		\$ 5,265,794	\$ 5,679,693	\$ (413,899)	-7.86%
Allocation of Support Departments	4,687,568		3,125,045	3,029,476	95,569	3.06%
Total Operating Expenses	\$ 12,586,259		\$ 8,390,840	\$ 8,709,169	\$ (318,330)	-3.79%
Operating Surplus/(Deficit)	\$ 1		\$ 0	\$ 1,230,173		

Debt Service Budget vs. Actual

Revenues						
Debt Service Rate Revenue	\$ 15,733,661		\$ 10,489,107	\$ 10,489,104	\$ (3)	0.00%
Trust Fund Interest	200,000		133,333	97,699	(35,635)	-26.73%
Reserve Fund Interest	744,800		496,533	484,121	(12,413)	-2.50%
Lease Revenue	10,000		6,667	11,122	4,455	66.83%
Total Debt Service Revenues	\$ 16,688,461		\$ 11,125,641	\$ 11,082,045	\$ (43,595)	-0.39%
Debt Service Costs						
Total Principal & Interest	\$ 8,904,860		\$ 5,936,573	\$ 5,936,573	\$ -	0.00%
Reserve Additions-Interest	744,800		496,533	484,121	12,413	2.50%
Debt Service Ratio Charge	400,000		266,667	266,667	-	0.00%
Est. New Debt Service - CIP Growth	6,638,800		4,425,867	4,425,867	-	0.00%
Total Debt Service Costs	\$ 16,688,460		\$ 11,125,640	\$ 11,113,227	\$ 12,413	0.11%
Debt Service Surplus/(Deficit)	\$ 1		\$ 1	\$ (31,182)		

Rate Center Summary						
Total Revenues	\$ 29,274,721	\$ 19,516,481	\$ 21,021,387	\$ 1,504,906	7.71%	
Total Expenses	29,274,719	19,516,480	19,822,396	(305,917)	-1.57%	
Surplus/(Deficit)	\$ 2	\$ 1	\$ 1,198,991			
Costs per 1000 Gallons	\$ 3.70		\$ 3.74			
Operating and DS	\$ 8.62		\$ 8.50			
Thousand Gallons Treated	3,397,700	2,265,133	2,331,305	66,172	2.92%	
or						
Flow (MGD)	9.309		9.594			

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

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	\$ 1,041,456	\$ 1,041,456	\$ -	0.00%
Lease Revenue	30,000	20,000	23,051	3,051	15.26%
Other Revenue	-	-	77,691	77,691	
Interest Allocation	15,000	10,000	17,028	7,028	70.28%
Total Operating Revenues	\$ 1,607,184	\$ 1,071,456	\$ 1,159,226	\$ 87,770	8.19%

Expenses

Personnel Cost	B \$ 379,359	\$ 252,906	\$ 267,182	\$ (14,275)	-5.64%
Professional Services	C 19,500	13,000	33,262	(20,262)	-155.86%
Other Services & Charges	177,582	118,388	107,381	11,007	9.30%
Communications	15,300	10,200	10,989	(789)	-7.73%
Information Technology	64,400	42,933	17,527	25,406	59.18%
Supplies	1,100	733	2,380	(1,647)	-224.57%
Operations & Maintenance	F 449,085	299,390	326,968	(27,578)	-9.21%
Equipment Purchases	3,800	2,533	2,533	(0)	0.00%
Depreciation	60,000	40,000	40,000	-	0.00%
Subtotal Before Allocations	\$ 1,170,126	\$ 780,084	\$ 808,223	\$ (28,138)	-3.61%
Allocation of Support Departments	437,056	291,371	282,800	8,571	2.94%
Total Operating Expenses	\$ 1,607,183	\$ 1,071,455	\$ 1,091,022	\$ (19,567)	-1.83%
Operating Surplus/(Deficit)	\$ 1	\$ 1	\$ 68,204		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 3,103,992	\$ 2,069,328	\$ 2,069,328	\$ -	0.00%
Trust Fund Interest	32,000	21,333	15,617	(5,716)	-26.79%
Reserve Fund Interest	118,000	78,667	76,334	(2,332)	-2.96%
Total Debt Service Revenues	\$ 3,253,992	\$ 2,169,328	\$ 2,161,280	\$ (8,048)	-0.37%

Debt Service Costs

Total Principal & Interest	\$ 1,126,391	\$ 750,927	\$ 750,927	\$ -	0.00%
Reserve Additions-Interest	118,000	78,667	76,334	2,332	2.96%
Estimated New Principal & Interest	2,009,600	1,339,733	1,339,733	-	0.00%
Total Debt Service Costs	\$ 3,253,991	\$ 2,169,327	\$ 2,166,995	\$ 2,332	0.11%
Debt Service Surplus/(Deficit)	\$ 1	\$ 1	\$ (5,715)		

Rate Center Summary					
Total Revenues	\$ 4,861,176	\$ 3,240,784	\$ 3,320,506	\$ 79,722	2.46%
Total Expenses	4,861,174	3,240,782	3,258,017	(17,235)	-0.53%
Surplus/(Deficit)	\$ 2	\$ 2	\$ 62,489		
Costs per 1000 Gallons	\$ 7.93		\$ 7.05		
Operating and DS	\$ 23.98		\$ 21.05		
Thousand Gallons Treated	202,697	135,131	154,757	19,626	14.52%
Flow (MGD)	0.555		0.637		

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Scottsville Water Rate Center
Revenues and Expenses Summary

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$	851,940	\$	567,960	\$	567,960	\$	-	0.00%
Other Revenue		-		-		17,997		17,997	
Interest Allocation		7,700		5,133		8,669		3,536	68.87%
Total Operating Revenues	\$	859,640	\$	573,093	\$	594,626	\$	21,532	3.76%

Expenses

Personnel Cost	B	\$	248,090	\$	165,393	\$	175,522	\$	(10,129)	-6.12%
Professional Services			15,000		10,000		17,107		(7,107)	-71.07%
Other Services & Charges			79,887		53,258		47,597		5,661	10.63%
Communications			18,550		12,367		19,122		(6,755)	-54.62%
Information Technology			57,000		38,000		17,120		20,880	54.95%
Supplies			200		133		1,485		(1,352)	-1013.75%
Operations & Maintenance			137,220		91,480		77,936		13,544	14.81%
Equipment Purchases			2,400		1,600		2,372		(772)	-48.26%
Depreciation			40,000		26,667		26,667		0	0.00%
Subtotal Before Allocations		\$	598,347	\$	398,898	\$	384,928	\$	13,970	3.50%
Allocation of Support Departments			261,289		174,193		168,725		5,468	3.14%
Total Operating Expenses		\$	859,636	\$	573,091	\$	553,653	\$	19,438	3.39%
Operating Surplus/(Deficit)		\$	4	\$	3	\$	40,973			

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$	304,128	\$	202,752	\$	202,752	\$	-	0.00%
Trust Fund Interest		4,200		2,800		2,053		(747)	-26.69%
Reserve Fund Interest		4,800		3,200		3,013		(187)	-5.84%
Total Debt Service Revenues	\$	313,128	\$	208,752	\$	207,818	\$	(934)	-0.45%

Debt Service Costs

Total Principal & Interest	\$	148,127	\$	98,751	\$	98,751	\$	-	0.00%
Reserve Additions-Interest		4,800		3,200		3,013		187	5.84%
Estimated New Principal & Interest		160,200		106,800		106,800		-	0.00%
Total Debt Service Costs	\$	313,127	\$	208,751	\$	208,565	\$	187	0.09%
Debt Service Surplus/(Deficit)	\$	1	\$	1	\$	(747)			

Rate Center Summary

Total Revenues	\$	1,172,768	\$	781,845	\$	802,443	\$	20,598	2.63%
Total Expenses		1,172,763		781,842		762,218		19,624	2.51%
Surplus/(Deficit)	\$	5	\$	3	\$	40,226			
Costs per 1000 Gallons Operating and DS	\$	49.89	\$	38.53					
	\$	68.07	\$	53.04					
Thousand Gallons Treated or Flow (MGD)		17,230		11,487		14,371		2,884	25.11%
		0.047		0.059					

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Urban Wastewater Rate Center
Revenues and Expenses Summary

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 12,610,887	\$ 8,407,258	\$ 8,179,929	\$ (227,329)	-2.70%
Stone Robinson WWTP	19,654	13,103	107,726	94,624	722.17%
Septage Acceptance	620,000	413,333	346,053	(67,280)	-16.28%
Nutrient Credits	50,000	33,333	53,777	20,443	61.33%
Miscellaneous Revenue	-	-	-	-	
Interest Allocation	120,000	80,000	137,464	57,464	71.83%
Total Operating Revenues	\$ 13,420,541	\$ 8,947,027	\$ 8,824,950	\$ (122,077)	-1.36%

Expenses

Personnel Cost	B \$ 1,725,025	\$ 1,150,017	\$ 1,195,740	\$ (45,724)	-3.98%
Professional Services	205,000	136,667	74,328	62,338	45.61%
Other Services & Charges	2,742,631	1,828,421	1,813,995	14,426	0.79%
Communications	15,100	10,067	4,998	5,068	50.35%
Information Technology	187,600	125,067	88,266	36,801	29.43%
Supplies	2,600	1,733	1,647	86	4.95%
Operations & Maintenance	2,523,628	1,682,419	1,555,893	126,526	7.52%
Equipment Purchases	G 73,500	49,000	115,234	(66,234)	-135.17%
Depreciation	470,000	313,333	313,333	(0)	0.00%
Subtotal Before Allocations	\$ 7,945,084	\$ 5,296,723	\$ 5,163,436	\$ 133,287	2.52%
Allocation of Support Departments	5,475,458	3,650,306	3,546,395	103,911	2.85%
Total Operating Expenses	\$ 13,420,542	\$ 8,947,028	\$ 8,709,830	\$ 237,198	2.65%
Operating Surplus/(Deficit)	\$ (1)	\$ (1)	\$ 115,119		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 11,948,147	\$ 7,965,431	\$ 7,965,432	\$ 1	0.00%
Septage Receiving Support - County	109,440	72,960	109,440	36,480	50.00%
Trust Fund Interest	220,000	146,667	107,381	(39,285)	-26.79%
Reserve Fund Interest	675,000	450,000	437,918	(12,082)	-2.68%
Total Debt Service Revenues	\$ 12,952,587	\$ 8,635,058	\$ 8,620,172	\$ (14,886)	-0.17%

Debt Service Costs

Total Principal & Interest	\$ 11,040,988	\$ 7,360,659	\$ 7,360,659	\$ -	0.00%
Reserve Additions-Interest	675,000	450,000	437,918	12,082	2.68%
Debt Service Ratio Charge	325,000	216,667	216,667	-	0.00%
Est. New Debt Service - CIP Growth	911,600	607,733	607,733	-	0.00%
Total Debt Service Costs	\$ 12,952,588	\$ 8,635,059	\$ 8,622,977	\$ 12,082	0.14%
Debt Service Surplus/(Deficit)	\$ (1)	\$ (1)	\$ (2,805)		

Rate Center Summary

Total Revenues	\$ 26,373,128	\$ 17,582,085	\$ 17,445,121	\$ (136,964)	-0.78%
Total Expenses	26,373,130	17,582,087	17,332,807	249,280	1.42%
Surplus/(Deficit)	\$ (2)	\$ (1)	\$ 112,314		
Costs per 1000 Gallons	\$ 3.96		\$ 3.96		
Operating and DS	\$ 7.78		\$ 7.88		
Thousand Gallons Treated	3,390,400	2,260,267	2,199,497	(60,770)	-2.69%
or					
Flow (MGD)	9.289		9.051		

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

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	\$ 448,832	\$ 448,832	\$ -	0.00%
Interest Allocation	5,500	3,667	6,192	2,525	68.87%
Total Operating Revenues	\$ 678,748	\$ 452,499	\$ 455,024	\$ 2,525	0.56%

Expenses

Personnel Cost	\$ 142,586	\$ 95,058	\$ 99,215	\$ (4,158)	-4.37%
Professional Services	10,000	6,667	960	5,707	85.60%
Other Services & Charges	45,136	30,091	39,066	(8,975)	-29.83%
Communications	20,300	13,533	14,614	(1,081)	-7.99%
Information Technology	53,450	35,633	13,930	21,703	60.91%
Supplies	-	-	0	(0)	
Operations & Maintenance	152,435	101,623	49,357	52,266	51.43%
Equipment Purchases	3,500	2,333	2,333	(0)	0.00%
Depreciation	60,000	40,000	40,000	-	0.00%
Subtotal Before Allocations	\$ 487,407	\$ 324,938	\$ 259,476	\$ 65,462	20.15%
Allocation of Support Departments	191,344	127,563	122,793	4,770	3.74%
Total Operating Expenses	\$ 678,752	\$ 452,501	\$ 382,269	\$ 70,232	15.52%
Operating Surplus/(Deficit)	\$ (4)	\$ (3)	\$ 72,755		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 144,948	\$ 96,632	\$ 96,632	\$ -	0.00%
Trust Fund Interest	500	333	268	(66)	-19.68%
Reserve Fund Interest	-	-	-	-	
Total Debt Service Revenues	\$ 145,448	\$ 96,965	\$ 96,900	\$ (66)	-0.07%

Debt Service Costs

Total Principal & Interest	\$ 18,746	\$ 12,497	\$ 12,497	\$ -	0.00%
Estimated New Principal & Interest	126,700	84,467	84,467	-	0.00%
Reserve Additions-Interest	-	-	-	-	
Total Debt Service Costs	\$ 145,446	\$ 96,964	\$ 96,964	\$ -	0.00%
Debt Service Surplus/(Deficit)	\$ 2	\$ 1	\$ (64)		

Rate Center Summary					
Total Revenues	\$ 824,196	\$ 549,464	\$ 551,924	\$ 2,460	0.45%
Total Expenses	824,198	549,465	479,233	70,232	12.78%
Surplus/(Deficit)	\$ (2)	\$ (1)	\$ 72,691		
Costs per 1000 Gallons	\$ 16.39		\$ 11.30		
Operating and DS	\$ 19.91		\$ 14.16		
Thousand Gallons Treated	41,401	27,601	33,841	6,240	22.61%
or					
Flow (MGD)	0.113		0.139		

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Scottsville Wastewater Rate Center
Revenues and Expenses Summary

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 491,328	\$ 327,552	\$ 327,552	\$ -	0.00%
Interest Allocation	4,200	2,800	4,644	1,844	65.86%
Total Operating Revenues	\$ 495,528	\$ 330,352	\$ 332,196	\$ 1,844	0.56%

Expenses

Personnel Cost	\$ 142,484	\$ 94,989	\$ 99,215	\$ (4,226)	-4.45%
Professional Services	5,000	3,333	5,913	(2,579)	-77.38%
Other Services & Charges	30,936	20,624	24,248	(3,624)	-17.57%
Communications	6,050	4,033	167	3,866	95.86%
Information Technology	54,750	36,500	1,792	34,708	95.09%
Supplies	-	-	0	(0)	
Operations & Maintenance	53,680	35,787	51,168	(15,381)	-42.98%
Equipment Purchases	3,500	2,333	2,333	(0)	0.00%
Depreciation	20,000	13,333	13,333	(0)	0.00%
Subtotal Before Allocations	\$ 316,400	\$ 210,933	\$ 198,170	\$ 12,763	6.05%
Allocation of Support Departments	179,127	119,418	114,985	4,433	3.71%
Total Operating Expenses	\$ 495,527	\$ 330,351	\$ 313,155	\$ 17,196	5.21%
Operating Surplus/(Deficit)	\$ 1	\$ 1	\$ 19,041		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 55,428	\$ 36,952	\$ 36,952	\$ -	0.00%
Trust Fund Interest	200	133	89	(44)	-33.06%
Reserve Fund Interest	4,000	2,667	3,013	347	12.99%
Total Debt Service Revenues	\$ 59,628	\$ 39,752	\$ 40,054	\$ 302	0.76%

Debt Service Costs

Total Principal & Interest	\$ 6,526	\$ 4,351	\$ 4,351	\$ -	0.00%
Reserve Additions-Interest	4,000	2,667	3,013	(347)	-12.99%
Estimated New Principal & Interest	49,100	32,733	32,733	-	0.00%
Total Debt Service Costs	\$ 59,626	\$ 39,751	\$ 40,097	\$ (347)	-0.87%
Debt Service Surplus/(Deficit)	\$ 2	\$ 1	\$ (43)		

Rate Center Summary					
Total Revenues	\$ 555,156	\$ 370,104	\$ 372,250	\$ 2,146	0.58%
Total Expenses	555,153	370,102	353,252	16,850	4.55%
Surplus/(Deficit)	\$ 3	\$ 2	\$ 18,998		
Costs per 1000 Gallons	\$ 20.96		\$ 25.24		
Operating and DS	\$ 23.48		\$ 28.48		
Thousand Gallons Treated	23,643	15,762	12,405	(3,357)	-21.30%
or					
Flow (MGD)	0.065		0.051		

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Administration and Communication

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	417,000	\$	278,000	\$	278,131	\$	131	0.05%
Grants						3,975		3,975	
Miscellaneous Revenue		-		-		1,346		1,346	
Total Operating Revenues	\$	417,000	\$	278,000	\$	283,453	\$	5,453	1.96%

Expenses

Personnel Cost	B	\$	1,657,525	\$	1,105,017	\$	1,190,457	\$	(85,440)	-7.73%
Professional Services			103,950		69,300		63,239		6,061	8.75%
Other Services & Charges			162,450		108,300		76,222		32,078	29.62%
Communications			9,200		6,133		1,236		4,897	79.84%
Information Technology	E		5,700		3,800		22,743		(18,943)	-498.51%
Supplies			19,600		13,067		9,478		3,589	27.46%
Operations & Maintenance			66,050		44,033		42,485		1,548	3.52%
Equipment Purchases			9,000		6,000		6,000		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	2,033,475	\$	1,355,650	\$	1,411,861	\$	(56,211)	-4.15%

Department Summary

Net Costs Allocable to Rate Centers		\$	(1,616,475)	\$	(1,077,650)	\$	(1,128,409)	\$	50,759	-4.71%
Allocations to the Rate Centers										
Urban Water	44.00%	\$	711,249	\$	474,166	\$	496,500	\$	(22,334)	
Crozet Water	4.00%	\$	64,659		43,106		45,136		(2,030)	
Scottsville Water	2.00%	\$	32,330		21,553		22,568		(1,015)	
Urban Wastewater	48.00%	\$	775,908		517,272		541,636		(24,364)	
Glenmore Wastewater	1.00%	\$	16,165		10,777		11,284		(508)	
Scottsville Wastewater	1.00%	\$	16,165		10,777		11,284		(508)	
	100.00%	\$	1,616,475	\$	1,077,650	\$	1,128,409	\$	(50,759)	

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Finance and Information Technology

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	581,000	\$	387,333	\$	387,333	\$	0	0.00%
Bond Proceeds Funding Bond Issuance Costs		-		-		-		-	
Miscellaneous Revenue		-		11,030		11,030			
Total Operating Revenues	\$	581,000	\$	387,333	\$	398,364	\$	11,030	2.85%

Expenses

Personnel Cost	B	\$	2,411,906	\$	1,607,938	\$	1,685,799	\$	(77,861)	-4.84%
Professional Services	C		47,000		31,333		85,574		(54,241)	-173.11%
Other Services & Charges			55,200		36,800		45,825		(9,025)	-24.52%
Communication	D		73,900		49,267		80,358		(31,092)	-63.11%
Information Technology			1,550,650		1,033,767		832,080		201,686	19.51%
Supplies			14,000		9,333		9,539		(205)	-2.20%
Operations & Maintenance			5,000		3,333		8,527		(5,194)	-155.82%
Equipment Purchases			7,500		5,000		5,000		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	4,165,156	\$	2,776,771	\$	2,752,702	\$	24,069	0.87%

Department Summary

Net Costs Allocable to Rate Centers		\$	(3,584,156)	\$	(2,389,438)	\$	(2,354,338)	\$	(35,099)	1.47%
<u>Allocations to the Rate Centers</u>										
Urban Water	44.00%	\$	1,577,029	\$	1,051,353	\$	1,035,909	\$	15,444	
Crozet Water	4.00%	\$	143,366		95,578		94,174		1,404	
Scottsville Water	2.00%	\$	71,683		47,789		47,087		702	
Urban Wastewater	48.00%	\$	1,720,395		1,146,930		1,130,082		16,848	
Glenmore Wastewater	1.00%	\$	35,842		23,894		23,543		351	
Scottsville Wastewater	1.00%	\$	35,842		23,894		23,543		351	
	100.00%	\$	3,584,156	\$	2,389,438	\$	2,354,338	\$	35,099	

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Maintenance

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$ -	\$ -	\$ -	\$ -	-
Miscellaneous Revenue	-	-	3,088	3,088	
Total Operating Revenues	\$ -	\$ -	\$ 3,088	\$ 3,088	

Expenses

Personnel Cost	B	\$ 1,836,099	\$ 1,224,066	\$ 1,272,673	\$ (48,607)	-3.97%
Professional Services		10,000	6,667	525	6,142	92.13%
Other Services & Charges		40,350	26,900	14,993	11,907	44.26%
Communications		20,000	13,333	4,128	9,205	69.04%
Information Technology		7,500	5,000	2,573	2,427	48.54%
Supplies		3,500	2,333	345	1,989	85.23%
Operations & Maintenance	F	130,300	86,867	127,206	(40,339)	-46.44%
Equipment Purchases		395,750	263,833	142,086	121,747	46.15%
Depreciation		-	-	-	-	
Total Operating Expenses		\$ 2,443,499	\$ 1,628,999	\$ 1,564,529	\$ 64,470	3.96%

Department Summary

Net Costs Allocable to Rate Centers		\$ (2,443,499)	\$ (1,628,999)	\$ (1,561,441)	\$ (61,382)	3.77%
Allocations to the Rate Centers						
Urban Water	30.00%	\$ 733,050	\$ 488,700	\$ 468,432	\$ 20,268	
Crozet Water	3.50%	85,522	57,015	54,650	2,365	
Scottsville Water	3.50%	85,522	57,015	54,650	2,365	
Urban Wastewater	56.50%	1,380,577	920,385	882,214	38,171	
Glenmore Wastewater	3.50%	85,522	57,015	54,650	2,365	
Scottsville Wastewater	3.00%	73,305	48,870	46,843	2,027	
	100.00%	\$ 2,443,499	\$ 1,628,999	\$ 1,561,441	\$ 67,559	

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Laboratory

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

N/A

Expenses

Personnel Cost	\$ 503,003	\$ 335,335	\$ 337,565	\$ (2,230)	-0.66%
Professional Services	-	-	-	-	
Other Services & Charges	9,800	6,533	4,139	2,394	36.65%
Communications	800	533	9,259	(8,725)	-1635.98%
Information Technology	-	-	64,237	(64,237)	
Supplies	2,300	1,533	2,949	(1,416)	-92.35%
Operations & Maintenance	146,357	97,571	86,143	11,428	11.71%
Equipment Purchases	3,900	2,600	3,320	(720)	-27.69%
Depreciation	-	-	-	-	
<i>Total Operating Expenses</i>	\$ 666,160	\$ 444,107	\$ 507,612	\$ (63,505)	-14.30%

Department Summary

Net Costs Allocable to Rate Centers		\$ (666,160)	\$ (444,107)	\$ (507,612)	\$ 63,505	-14.30%
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 293,110	\$ 195,407	\$ 223,349	\$ (27,942)	
Crozet Water	4.00%	26,646	17,764	20,304	(2,540)	
Scottsville Water	2.00%	13,323	8,882	10,152	(1,270)	
Urban Wastewater	47.00%	313,095	208,730	238,578	(29,848)	
Glenmore Wastewater	1.50%	9,992	6,662	7,614	(953)	
Scottsville Wastewater	1.50%	9,992	6,662	7,614	(953)	
	100.00%	\$ 666,160	\$ 444,107	\$ 507,612	\$ (63,505)	

Rivanna Water & Sewer Authority
 Monthly Financial Statements - February 2026

Engineering

Budget FY 2026	Budget Year-to-Date	Actual Year-to-Date	Budget vs. Actual	Variance Percentage
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Operating Budget vs. Actual

Notes

Revenues

Payment for Services SWA	\$	-	\$	-	\$	20,710	\$	20,710
Miscellaneous Revenue		-		-		21,454		21,454
Total Operating Revenues	\$	-	\$	-	\$	42,165	\$	42,165

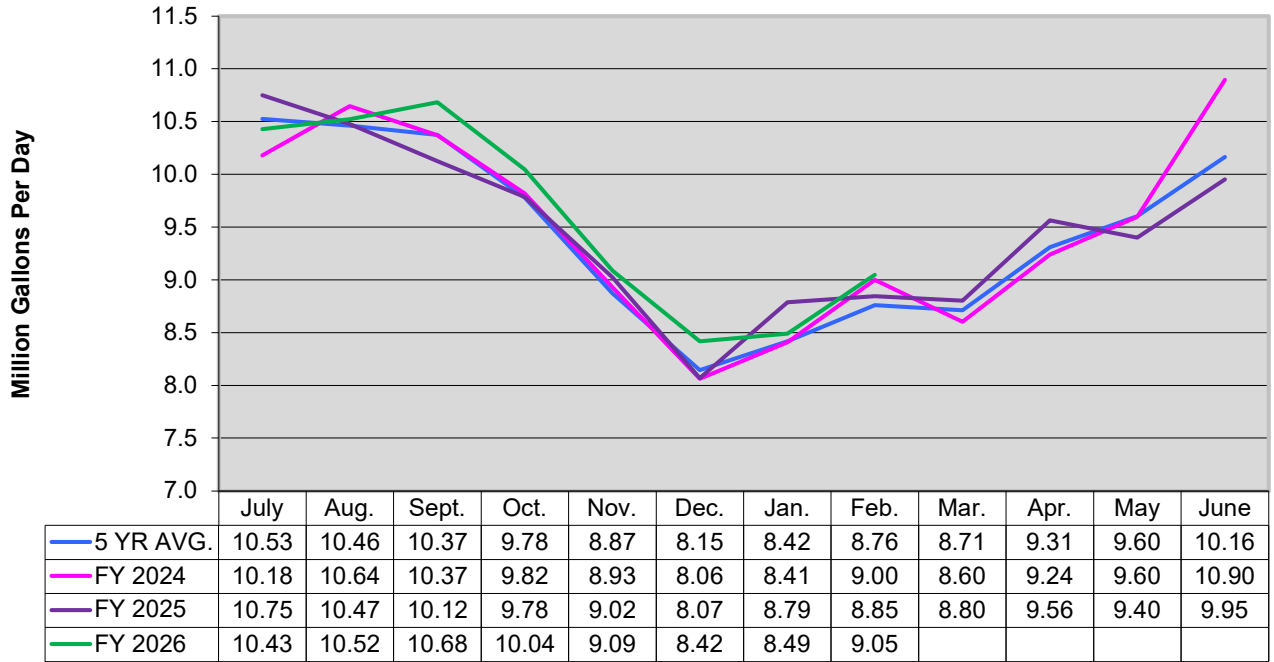
Expenses

Personnel Cost	\$	2,407,282	\$	1,604,854	\$	1,524,870	\$	79,984	4.98%
Professional Services		142,000		94,667		52,475		42,192	44.57%
Other Services & Charges		26,875		17,917		14,813		3,104	17.32%
Communications		20,628		13,752		3,151		10,601	77.09%
Information Technology		220,230		146,820		91,361		55,459	37.77%
Supplies		6,700		4,467		5,493		(1,027)	-22.98%
Operations & Maintenance		76,338		50,892		49,043		1,849	3.63%
Equipment Purchases		21,500		14,333		14,333		0	0.00%
Depreciation		-		-		-		-	
Total Operating Expenses	\$	2,921,553	\$	1,947,702	\$	1,755,538	\$	192,163	9.87%

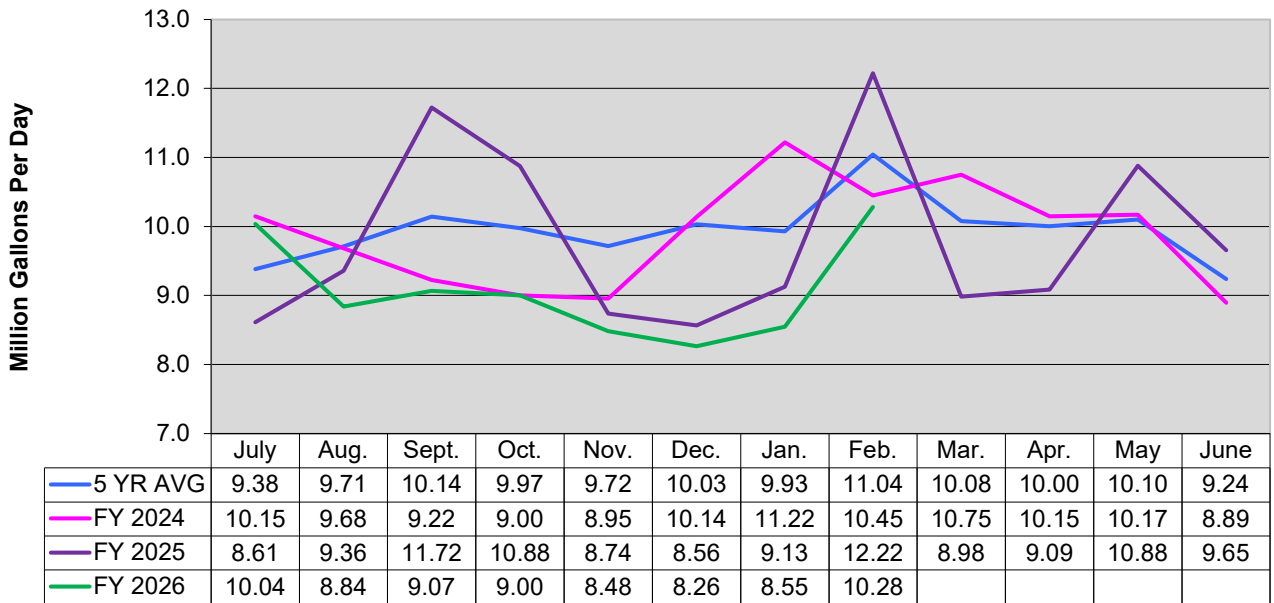
Department Summary						
Net Costs Allocable to Rate Centers		\$ (2,921,553)	\$ (1,947,702)	\$ (1,734,828)	\$ (171,453)	8.80%
Allocations to the Rate Centers						
Urban Water	47.00%	\$ 1,373,130	\$ 915,420	\$ 815,369	\$ 100,051	
Crozet Water	4.00%	116,862	77,908	69,393	8,515	
Scottsville Water	2.00%	58,431	38,954	34,697	4,257	
Urban Wastewater	44.00%	1,285,483	856,989	763,324	93,664	
Glenmore Wastewater	1.50%	43,823	29,216	26,022	3,193	
Scottsville Wastewater	1.50%	43,823	29,216	26,022	3,193	
	100.00%	\$ 2,921,553	\$ 1,947,702	\$ 1,734,828	\$ 212,873	

**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: MARCH 2026 INFORMATION TECHNOLOGY REPORT

DATE: APRIL 28, 2026

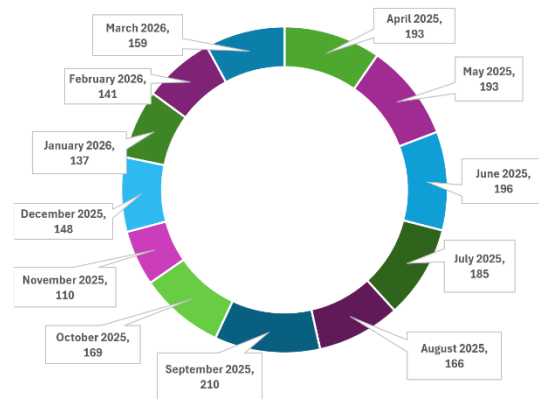
INFRASTRUCTURE – CORE SYSTEMS

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

March 2026 the team:

- Resolved **159** Service Desk Tickets

Service Desk Ticket Comparison



SCADA / OPERATIONAL SYSTEMS

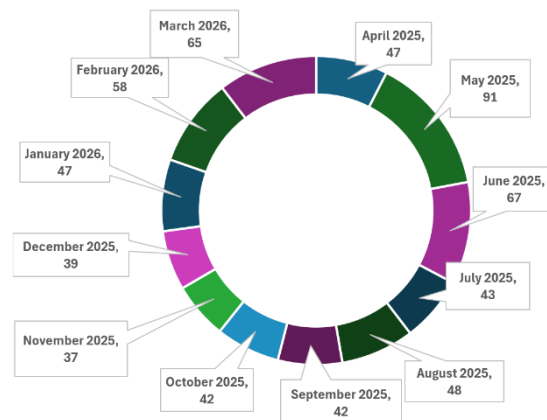
(SUPERVISORY CONTROLS AND DATA ACQUISITION)

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

March 2026 the team:

- Completed **65** SCADA service desk requests

Service Desk Ticket Comparison SCADA



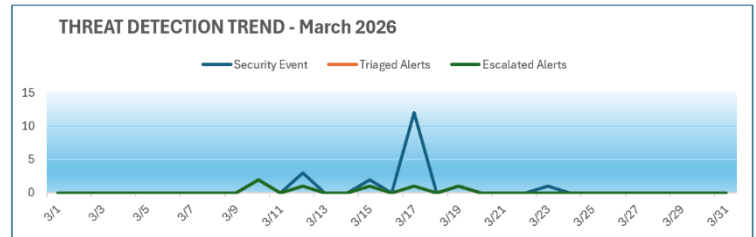
DIGITAL & PHYSICAL SECURITY - JANUARY

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

March 2026 there were:

- **1.0 B** Security logs Analyzed for suspicious network traffic
- **21** Threat Detections – All blocked
- **6** Categorized Security Alerts resolved
- **6** Escalated Alert – resolved

Spikes were from Malicious Phishing Campaigns



GIS (GEOGRAPHICAL INFORMATION SYSTEMS)

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

March 2026 the GIS Coordinator:

- Completed **9** Service Desk tickets
- Digitalized **22** features (points, lines, polygons)
- Completed **117** Daily Inspection reports (for CIPs)
- Processed **72** MISS Utility reports
- Processed **105** Water inspections (GIS attributes adjusted)
- Processed **85** Sewer inspections
- Completed **3** Internal map requests
- Completed **24** Drone site visits for pictures of CIPs

Major Projects

- Audited water systems for install dates
- Audited sewer system for install dates

IT Department's Large Project Participation

Infrastructure

Ongoing: The project to secure network equipment in locked cabinets and closets is nearing completion. Continued improvements to network connectivity and security, including secondary fiber installations, firewall security patching, VPN enhancements, and centralized device management cleanup.

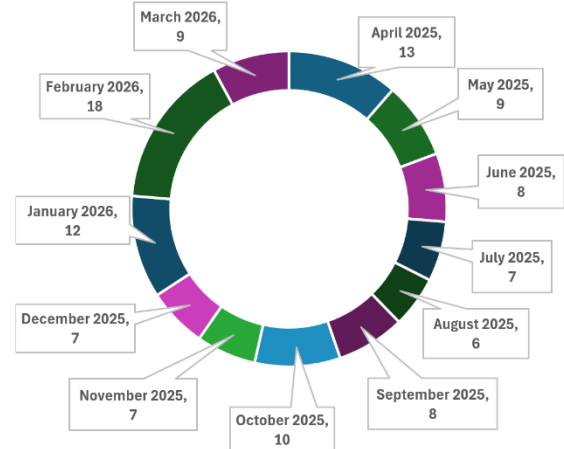
SCADA System

In progress: We are actively supporting several capital improvement projects, such as the RMR to OBWTP Raw Water Line and Pump Station, SFRR to RMR Pump Station, and the expansion of Crozet WTP GAC. The IT commissioning program related to the MC Pump Station reinspection continues. Active work also includes SCADA alarm cleanup and improvements, SCADA standards/specification reviews, and server maintenance and configuration cleanup.

Cybersecurity

Cybersecurity activity remained elevated, primarily from phishing and social engineering attempts alongside increased nation-state threat awareness due to global geopolitical conditions. Our layered security controls successfully detected and contained all events. Barracuda Email Protection quarantined targeted phishing messages, Fortinet Security Operations Center (SOCaaS) blocked limited malware-related activity, and 24/7 Network Operations Center (NOC) monitoring resolved all network outages and state changes. Continued participation in the Cybersecurity and Infrastructure Security Agency (CISA) Cyber Hygiene scanning validated internet-facing asset exposure and remediation status.

Service Desk Ticket Comparison GIS



MEMORANDUM

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

FROM: STEVEN MINNIS, SR., MAINTENANCE MANAGER

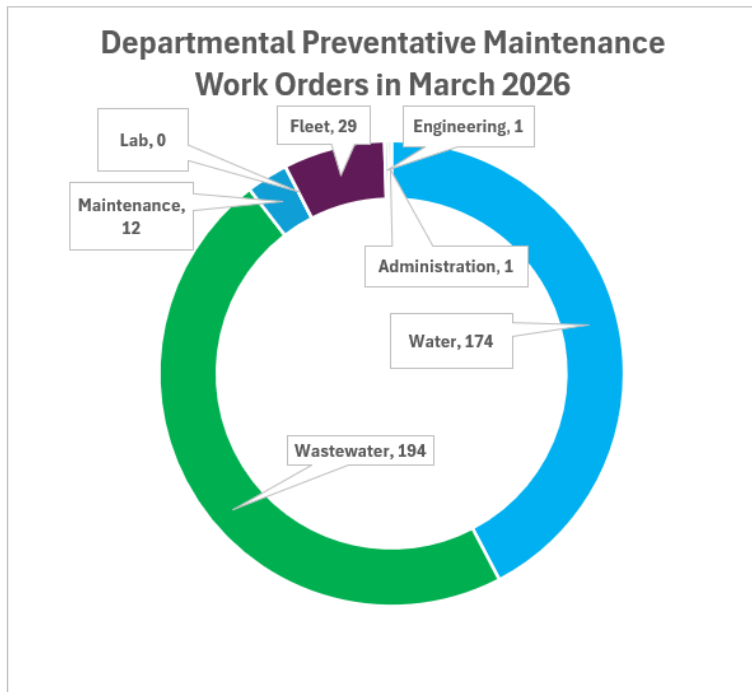
**REVIEWED BY: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTOR**

SUBJECT: MARCH 2026 MAINTENANCE REPORT

DATE: APRIL 28, 2026

RWSA Maintenance Department is responsible for more than 9,100 devices in the Cityworks asset management system. Each of the graphs below was generated from the data pulled from Cityworks for March 2026.

SCHEDULED MONTHLY WORK ORDERS FOR RWSA DEPARTMENTS

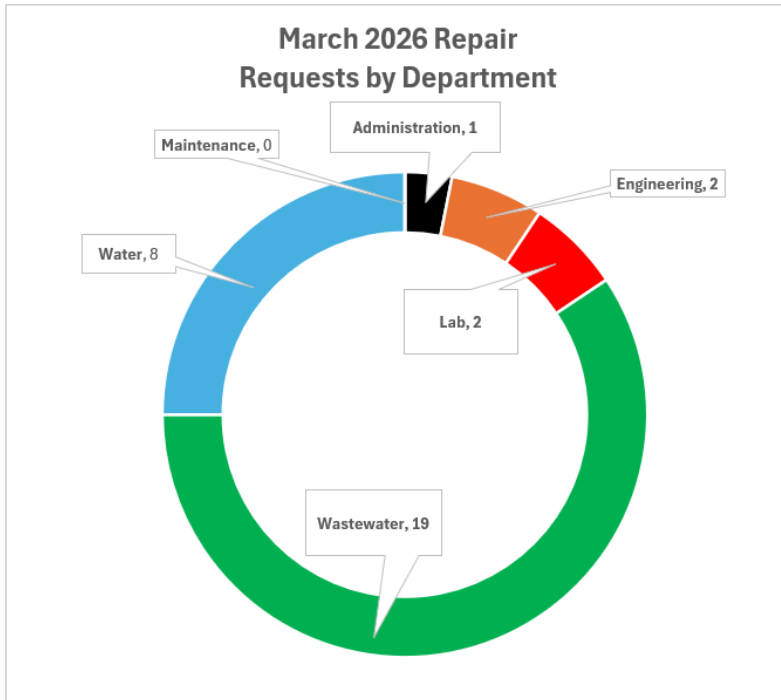


SCHEDULED MONTHLY WORK ORDERS BY DEPARTMENT

Background:

- Preventative work orders are on a 30, 90, 180, 365 day, 3 year and 5 year schedule- depending on the asset and the manufacturer recommendations.

REPAIR REQUESTS

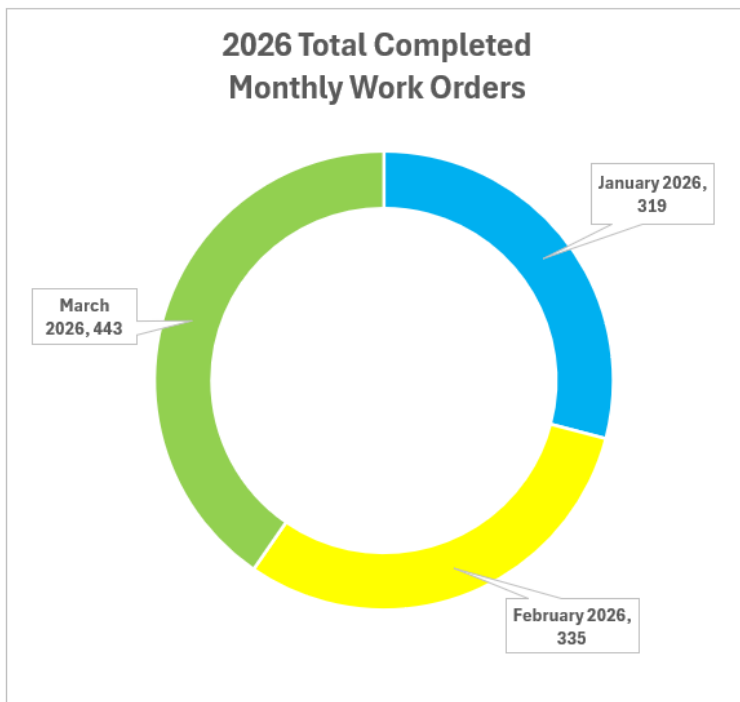


32 MARCH REPAIR REQUESTS

Background:

- These requests were unplanned.
- Some examples of these requests in March 2026:
 - MC centrifuge VFD fault
 - HVAC issues
 - Vehicle repairs
 - check valve in pump station
 - Valve repair in UV channel at Scottsville WW

COMPLETED WORK ORDERS BY MONTH IN 2026

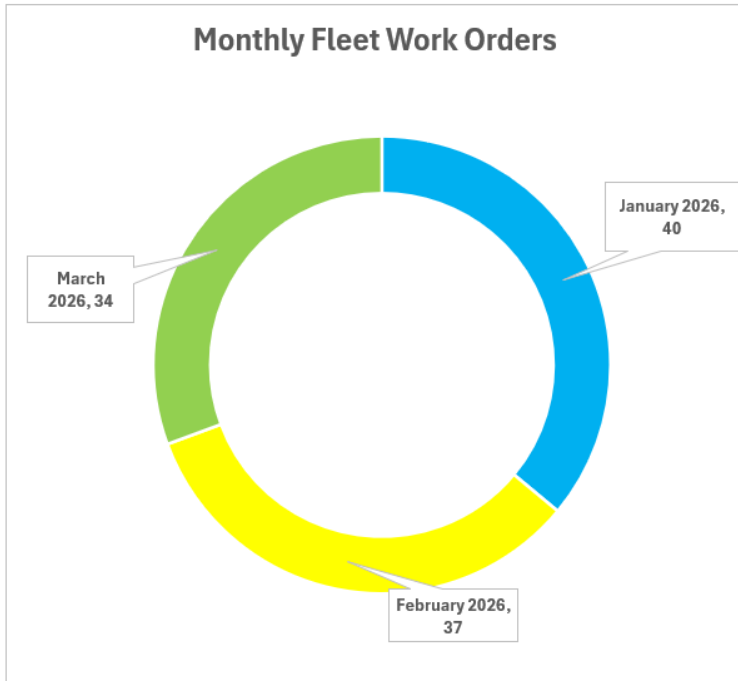


TOTAL COMPLETED MONTHLY WORK ORDERS

Background:

- This is total of all work orders completed by the Maintenance Department for 2026 by month.
- This includes the preventative and repair request work orders for each month.

FLEET WORK ORDERS

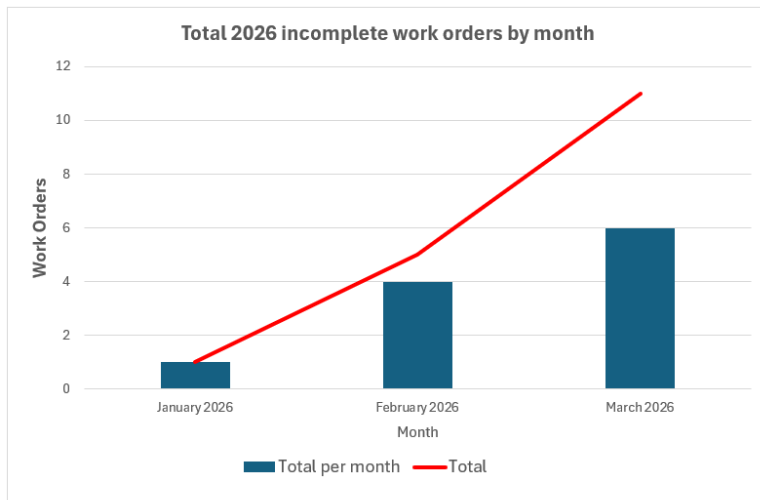


MONTHLY WORK ORDERS FLEET

Background:

- Fleet work orders consist of the following :
- 5,000-Mile Vehicle Service
- 7,500-Mile Vehicle Service
- 25,000-Mile Vehicle Service
- 90-Day Vehicle Service
- 180-Day Trailer Service
- 5-Year Battery Service
- Annual State Inspection

TOTAL INCOMPLETE WORK ORDERS BY MONTH



SCHEDULED YEARLY OPEN WORK ORDERS BY MONTH

Background:

- This graph shows the work orders that were not completed in the scheduled month.
- January 2026 incomplete work order
 - 1 work order on hold waiting for parts to come in (16 weeks lead time).
- February 2026
 - 4 work orders were not completed waiting for parts
 - Parts for one of the four work orders have arrived
- March 2026
 - 6 work orders were not completed
 - 1 work order is waiting on parts
 - 1 work order was a paperwork error
 - 3 work orders were for vehicles
 - 1 work order was for bees in MC Admin trailer and exterminator was called and treatments are not complete

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 MARCH 2026

DATE: APRIL 28, 2026

WATER OPERATIONS:

The average and maximum daily water volumes produced in March 2026 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	7.99	8.98 (3/23/2026)
Observatory	0.90	1.55 (3/20/2026)
North Rivanna	<u>0.11</u>	<u>0.12 (3/24/2026)</u>
<i>Urban Total</i>	9.00	10.01 (3/23/2026)
Crozet	0.53	0.66 (3/16/2026)
Scottsville	0.06	0.08 (3/1/2026)
Red Hill	<u>0.002</u>	0.005 (3/11/2026)
<i>RWSA Total</i>	9.59	-

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

Status of Reservoirs (as of April 21, 2026):

- Urban Reservoirs are 99% of Total Useable Capacity
 - South Rivanna Reservoir is 100% full
 - Ragged Mountain Reservoir is 99% full
- Sugar Hollow Reservoir is 98% 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 March 2026. Performance of the WRRFs in March was as follows compared to the respective VDEQ permit limits:

<i>WRRF</i>	<i>Average Daily Effluent Flow (MGD)</i>	<i>Average CBOD₅ (ppm)</i>		<i>Average Total Suspended Solids (ppm)</i>		<i>Average Ammonia (ppm)</i>	
		<i>RESULT</i>	<i>LIMIT</i>	<i>RESULT</i>	<i>LIMIT</i>	<i>RESULT</i>	<i>LIMIT</i>
Moore's Creek	8.98	<QL	9	<QL	22	<QL	6.4
Glenmore	0.150	<QL	15	4.6	30	NR	NL
Scottsville	0.059	<QL	25	3.0	30	NR	NL
Stone Robinson	0.0027	4	30	6.6	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 March 2026.

<i>State Annual Allocation (lb./yr.) Permit</i>		<i>Average Monthly Allocation (lb./mo.) *</i>	<i>Moore's Creek Discharge March (lb./mo.)</i>	<i>Performance as % of monthly average Allocation*</i>	<i>Year to Date Performance as % of annual allocation</i>
Nitrogen	282,994	23,583	10,295	44%	12%
Phosphorous	18,525	1,636	182	11%	3%

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

LABORATORY OPERATIONS:

The RWSA Laboratory completed the following number of analyses in March 2026:

<u>Purpose</u>	<u>Water</u>	<u>Wastewater</u>
<i>Compliance (VDH, VaDEQ*)</i>	318	160
<i>Non-Compliance (Treatment Process Monitoring)</i>	242	55

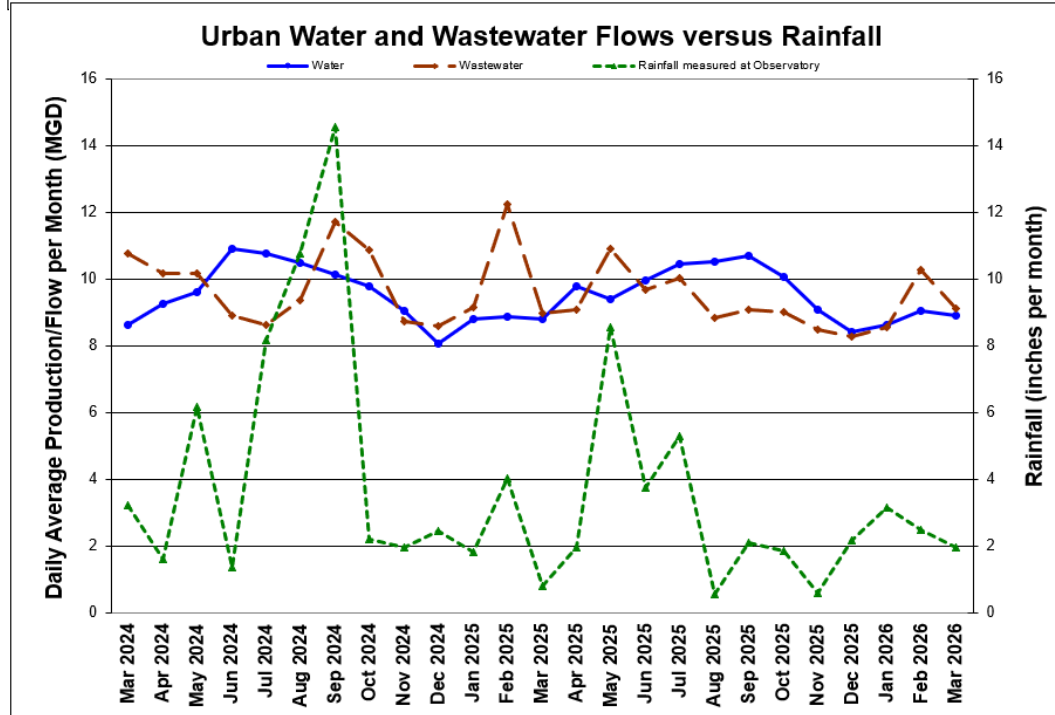
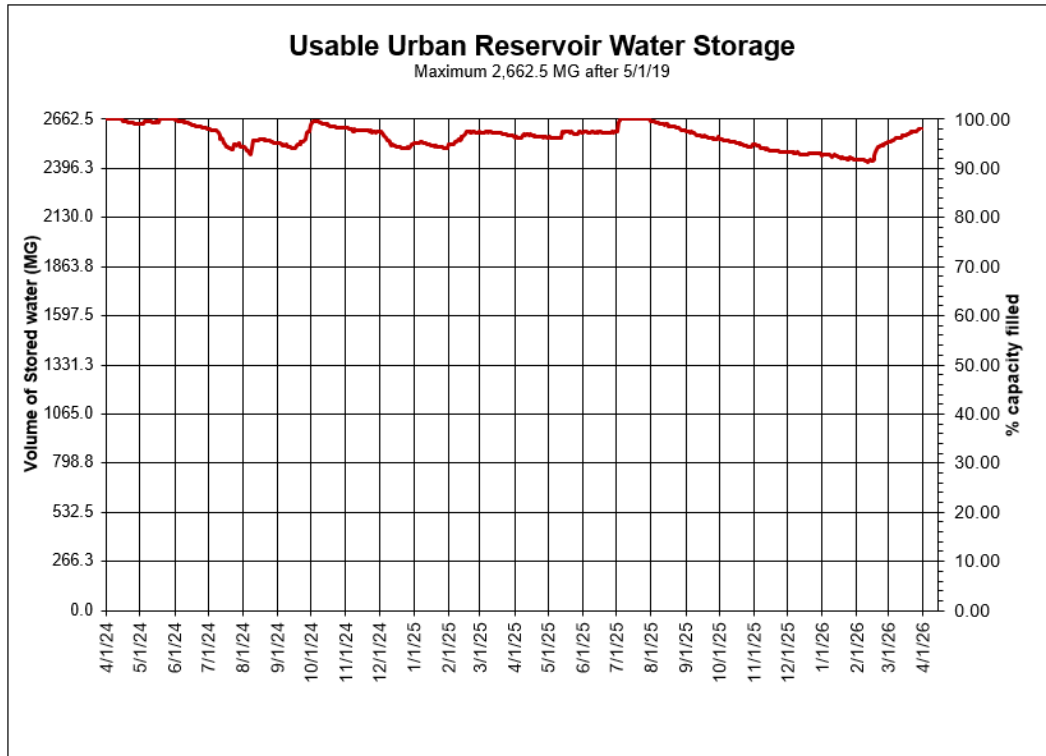
* VDH – Virginia Department of Health for drinking water

VaDEQ – Virginia Department of Environmental of Environmental Quality for wastewater

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

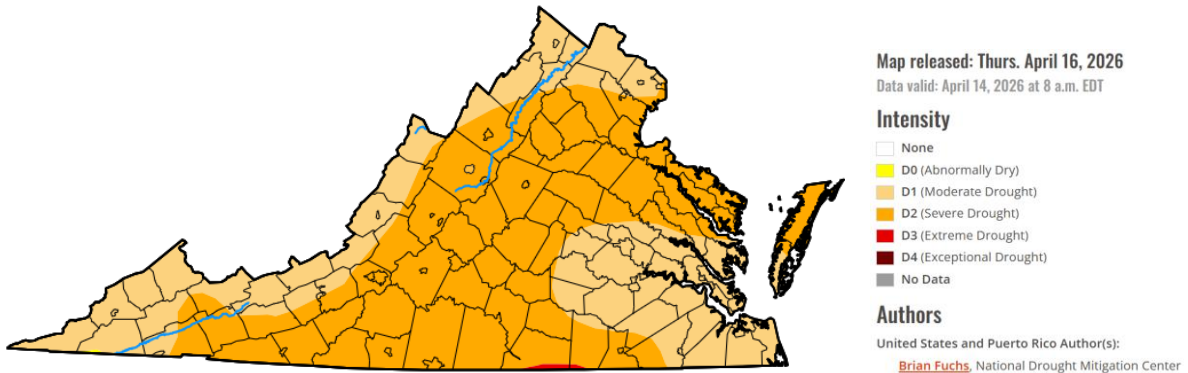
**REVIEWED: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTOR**

SUBJECT: DROUGHT MONITORING REPORT

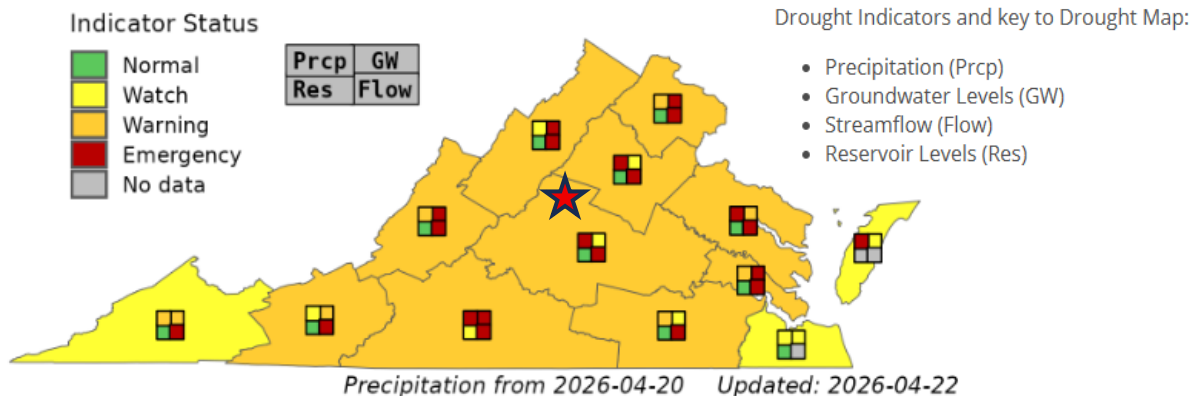
DATE: APRIL 28, 2026

State and Federal Drought Monitoring as of April 22, 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 Reservoir Levels. Groundwater is in a “Watch” status. Precipitation and streamflow are in an “Emergency” status.



Charlottesville and Albemarle County

Precipitation & Stream Flows

Charlottesville Precipitation					
Year	Month	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
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
2026	Jan - Mar	6.75	8.94	-2.19	-25

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

Local Precipitation Summary					
4 Year Period	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)	
Jan 2022 – Dec 2025	142.63	166.44	-23.81	-14%	

USGS Stream Gaging Station Near the Urban Area (April 10- April 16)				
Gage Name	Rolling 7-day Avg. Stream Flow		2025 Mean Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	44.4	28.7	85.9	55.5
Moormans River	27.8	18	68.6	44.3
NF Rivanna River	44.6	28.9	127.7	82.5
SF Rivanna River	81.3	52.5	211.6	136.7

Mean streamflow for April 10th – April 16th, 2025

Status of Reservoirs as of April 21, 2026

- Urban Reservoirs are 99 % 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: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: WHOLESALE METERING REPORT FOR MARCH 2026

DATE: APRIL 28, 2026

The monthly and average daily Urban water system usages by the City and the ACSA for March 2026 were as follows:

	<i>Month</i>	<i>Daily Average</i>	
City Usage (gal)	134,762,917	4,347,191	48.4%
ACSA Usage (gal)	141,187,457	4,554,434	51.2%
<i>Total (gal)</i>	275,950,374	8,901,625	

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 April 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 at the end of March. Maintenance has replaced the register and is waiting for additional components to complete the repair. A 3-month average was used to create the data for March.



MEMORANDUM

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

FROM: DAVID TUNGATE, DEPUTY EXECUTIVE DIRECTOR

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: APPROVAL OF TERM CONTRACT FOR ON-CALL
ELECTRICAL SERVICES (RFP# 25-08)
U.S. ELECTRICAL TESTING; CARTER MACHINERY**

DATE: APRIL 28, 2026

This request is to authorize award of a Term Contract with U.S. Electrical Testing and Carter Machinery companies to provide “On-Call Electrical Services” for an initial term of one year and costs up to \$300k per year with options to annually renew the contract for a total term not to exceed five years. Construction Work Authorizations will be issued to each contractor for each task with costs based on approved labor and equipment rates submitted with the RFP responses.

RWSA has a skilled Maintenance Department with personnel trained in electrical work to respond to routine and emergency situations with our electrical systems. However, a contractor is required to complete high voltage maintenance on our larger devices greater than 480 volts, and to assist with other electrical service needs. Our Maintenance Department is responsible for maintenance of five water supply reservoirs, six water treatment plants, four wastewater treatment plants, 14 pump stations, 10 dam facilities, and multiple administrative and support facilities. Due to the magnitude of this infrastructure, complex and sometimes very high voltage electrical systems (up 4,160 volts) are required to provide each asset with power.

To augment the capabilities of RWSA’s Maintenance Department, staff issued a Request for Proposals (RFP# 25-08) for On-Call Electrical Services. The RFP was developed and advertised jointly in conjunction with RSWA, with proposals due on March 18, 2026. RWSA received four proposals and short-listed two firms for interviews. The selection committee determined that Carter Machinery Company, Inc. (Carter CAT) and U.S. Electrical Testing were the most qualified candidates. Both organizations are located within 2 hours of RWSA’s facilities, well within the 4-hour response window required by the RFP. In addition, both organizations have strong electrical troubleshooting, repair, installation, and maintenance capabilities on systems up to 4,160 volts. U.S. Electrical Testing holds similar term contracts with D.C. Water and the City of Winchester, clients that are similar in nature/scope to RWSA. Carter CAT has also worked extensively at RWSA facilities in the past, particularly as it relates to generator-related needs, but more recently, has provided similar electrical services to RWSA as required by the RFP. The term of the contract will be for one year, with the option for four one-year renewals. Construction Work Authorizations will be issued to each contractor for each task with costs based on approved labor

and equipment rates submitted with the RFP responses.

Board Action Requested:

Authorize the Executive Director to execute a contract, any renewals, and any Work Authorizations up to \$300k per year with each company, U.S. Electrical Testing and Carter Machinery, for On-Call Electrical Services for an initial term of one year with options to annually renew the contract for a total term not to exceed five years.



MEMORANDUM

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

FROM: DAVID TUNGATE, DEPUTY EXECUTIVE DIRECTOR

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: APPROVAL OF TERM CONTRACT FOR ON-CALL
CONSTRUCTION SERVICES (RFP# 25-09) – DIGS, INC.**

DATE: APRIL 28, 2026

This request is to authorize award of a Term Contract with Digs, Inc. to provide “On-Call Construction Services” for an initial term of one year and options to annually renew the contract for a total term not to exceed five years with costs up to \$300k per one-year term. Construction Work Authorizations will be issued for each task with costs based on approved labor and equipment rates submitted with the RFP.

RWSA owns and operates approximately 72 miles of water lines and 42 miles of gravity sanitary sewer lines, to include over 400 water isolation valves and nearly 700 sanitary sewer manholes. While RWSA has a skilled Maintenance Department and an ongoing Line Maintenance Program, the volume of work can exceed the capacity of our resources to perform maintenance on RWSA’s infrastructure while also responding to miscellaneous and sometimes emergency situations associated with the water distribution and sanitary sewer interceptor systems. In addition, the RWSA Maintenance Department does not have the equipment necessary to perform work on some of the larger and deeper infrastructure within the RWSA system or in some of the more difficult locations or terrain in which the infrastructure can be located.

To augment the capabilities of RWSA’s Maintenance Department, staff issued a Request for Proposals (RFP# 25-09) for On-Call Maintenance Construction Services. RWSA procured these services previously in 2016 and 2021. The RFP was developed and advertised jointly in conjunction with RSWA, with proposals due on March 19, 2026. RWSA received one proposal from Digs, Inc. The selection committee reviewed the proposal provided by Digs, and determined that it was a qualified candidate. Digs is located centrally in Charlottesville and was the one of the two previous holders of this Contract. During the prior contract term, Digs provided a wide variety of repairs for RWSA, including emergency watermain repairs, streambank and erosion stabilization, valve replacements, and paving, among other items. Further, Digs provided invaluable assistance during the December 24th, 2025, watermain repair along Route 29 North in Albemarle County, providing the necessary labor, equipment, and materials to help RWSA Maintenance staff and bring that repair and restoration effort to a close during a holiday.

Board Action Requested:

Authorize the Executive Director to execute a contract, any renewals, and any Work Authorizations up to \$300k per year with Digs, Inc. for On-Call Construction Services for an initial term of one year with options to annually renew the contract for a total term not to exceed five years.



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: AWARD OF TERM AGREEMENT FOR PROFESSIONAL
SURVEYING SERVICES (RFP # 25-10) – MCKIM & CREED, INC.**

DATE: APRIL 28, 2026

This request is to authorize award of a Professional Surveying Services Term Agreement, any renewals, and any Work Authorizations up to \$300,000 per year with McKim & Creed, Inc. Fees for each Work Authorization will be negotiated based on the services required and hourly rates from the consultant which have been approved by staff. The term of the contract will be for one year, with the option for three one-year renewals.

RWSA has maintained a term contract for professional surveying services for three five-year terms. Over the course of those contracts, access to a wide variety of surveying services, including boundary survey, bathymetric survey, construction stakeout, and as-built survey, have proved invaluable to the Authority.

A Request for Proposals (RFP # 25-10) was issued jointly with RSWA on February 25, 2026. We received fifteen proposals on March 20, 2026. The selection committee short-listed and interviewed three firms on April 8, 2026. Based upon the qualifications provided in the RFP and geographic proximity, the selection committee found that McKim & Creed, Inc., was the most qualified candidate. McKim & Creed has a wide range of services including traditional boundary and topographic survey, bathymetric/hydrographic survey, drone, and subsurface utility engineering capabilities. McKim & Creed has a local office in Charlottesville, which ensures timely response to complex field situations and system emergencies. McKim & Creed's point of contact has extensive experience working with RWSA's staff and infrastructure, and the firm has performed smaller tasks for RWSA over the past 2 years, as well as for the City of Charlottesville.

Board Action Requested:

Authorize the Executive Director to execute a Professional Services Term Agreement, any renewals, and Work Authorizations up to \$300,000 per year with McKim & Creed, Inc.



MEMORANDUM

TO: RIVANNA WATER AND SEWER AUTHORITY

FROM: LONNIE WOOD, DIRECTOR OF FINANCE

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: APPROVAL OF TERM AGREEMENT FOR LEGAL SERVICES – WILLIAMS MULLEN (RFP# 26-02)

DATE: APRIL 28, 2026

This request is to authorize award of a Legal Services Term Agreement, any renewals, and any Work Authorizations with the firm Williams Mullen. The term of the contract will be for one year, with the option of four one-year renewals. Work Authorizations will be negotiated for any requested services based on the firm’s hourly approved rates and fees submitted with the RFP up to \$300,000 per year for five-year term.

Background

The Authority routinely requires outside legal services to support our many operational, construction, human resource and financial programs. A Request for Proposals (RFP 26-02) was developed and advertised on February 19, 2026, to solicit proposals from interested and qualified firms. Four proposals were received on March 12, 2026.

The Legal Services selection committee reviewed the proposals and interviewed three firms on March 27, 2026. Based on the written proposals, interviews, and hourly rates offered, the committee determined that Williams Mullen, with an office in Charlottesville, was the top-ranked firm to provide the services required. Typical services to be provided under this contract may include:

- Attend monthly Board of Director meetings
- Review and draft contracts, leases, and easements
- Advise on financial matters, including bonds
- Advise on labor and employment matters
- Review fiscal and other policies, as well as Board by-laws
- Advise on procurement matters, and prepare correspondence when conflicts on contracts, change orders, or claims arise
- Advise on responses to subpoenas, court orders, and FOIA requests
- Conduct litigation as necessary

This Term contract will be awarded for one year, with the option of up to four additional one-year renewals with a total contract length not to exceed five years.

Board Action Requested:

Authorize the Executive Director to execute a one-year Term Agreement, any renewals, and Work Authorizations up \$300,000 per year for Legal Services with Williams Mullen for the five-year term.

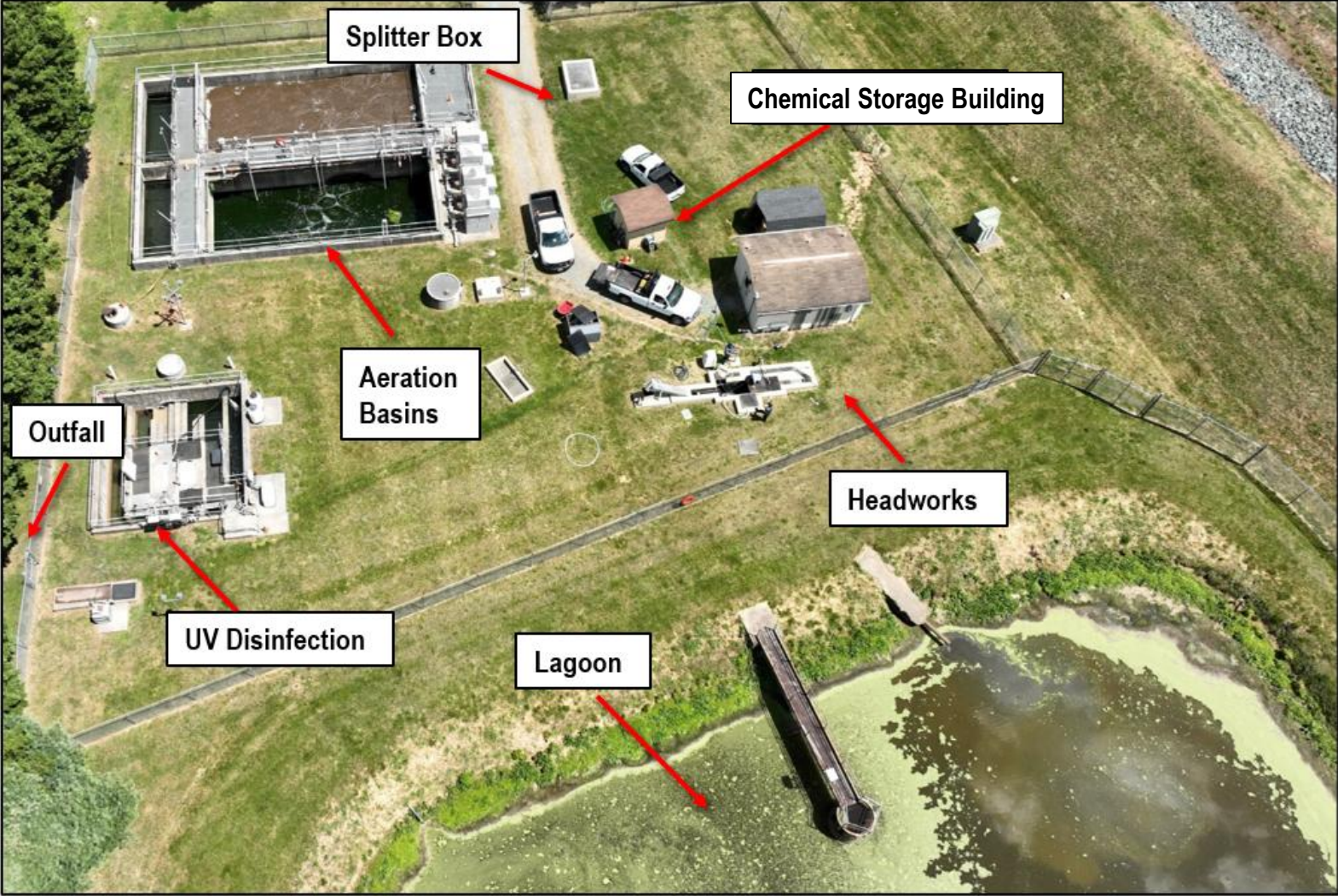


Scottsville Water Resource Recovery Facility Permit Modifications Capital Improvement Plan Amendment and Construction Award

David White III
Project Engineer
Board of Director's Meeting
April 28, 2026



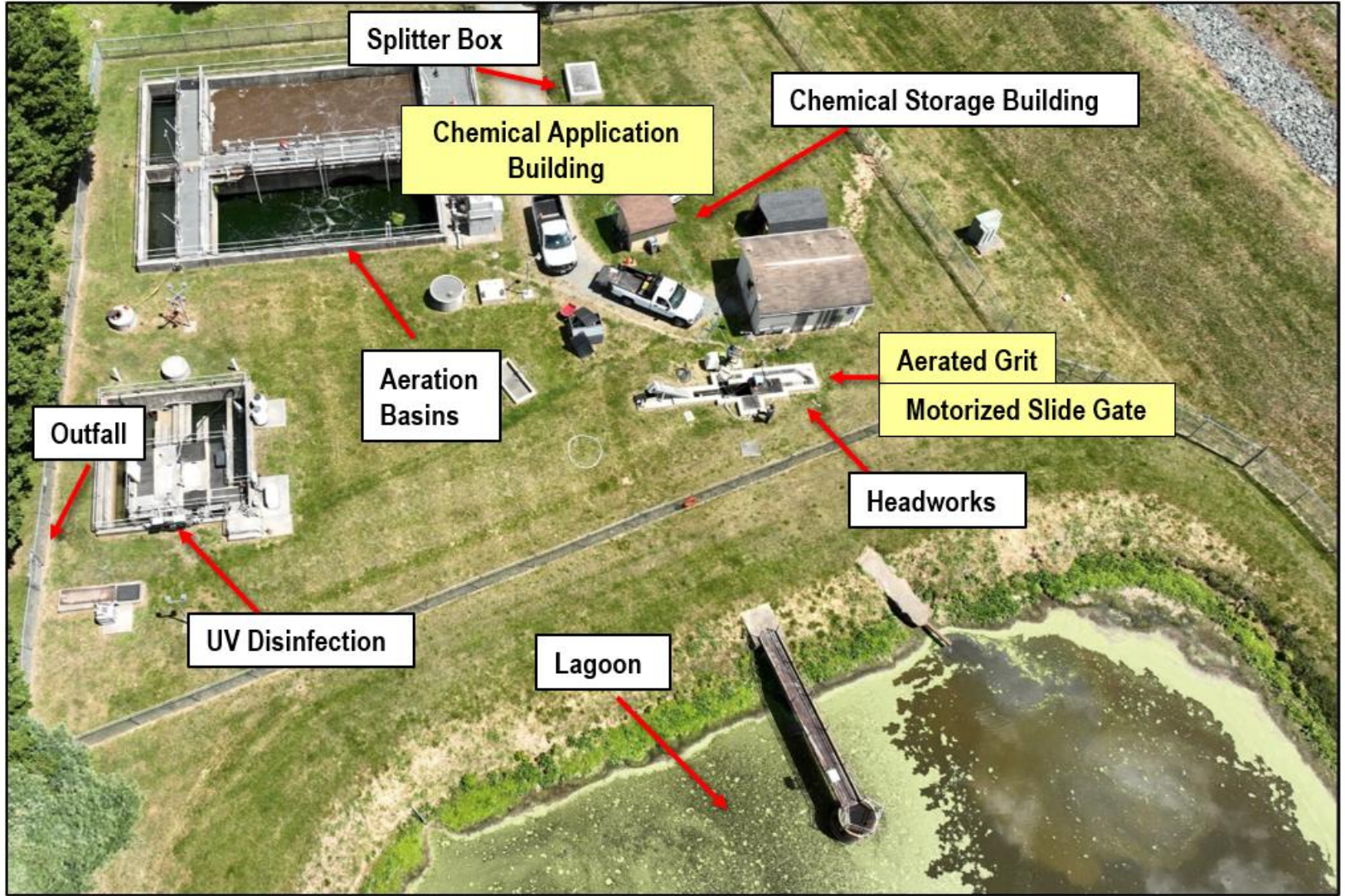
SCOTTSVILLE WASTEWATER FACILITY



PROJECT BACKGROUND & OVERVIEW

- Virginia Department of Environmental Quality issued RWSA a new Virginia Pollutant Discharge Elimination System Permit which required lower wastewater discharge limits and the need for:
 - Additional treatment equipment
 - Chemical application system housed in a pre-fabricated storage building
- In addition, existing equipment which had reached its service life and was deteriorated needed to be replaced, including:
 - Motorized influent slide gate
 - Grit removal system
- Lastly, facility optimization improvements to be added, including:
 - Bypass pumping connections
 - Site piping and electrical infrastructure

SCOTTSVILLE WASTEWATER FACILITY



PROJECT BUDGET AND SCHEDULE

- 2 Bids Received:
 - \$730,430 (Orders Construction Company, Inc.)
 - Reduced to \$726,930 through Value Engineering
 - \$739,883
- Contract Award recommended:
 - Orders Construction Company, Inc. St. Albans, WV
 - \$726,930
- FY 27-31 CIP Project Budget
 - \$827,000
 - Amended - \$1,015,000 (*\$188,000 increase*)
- Construction: June 2026 – June 2027

Revised CIP Budget	
Engineering (Design/BID/CA)	\$ 175,070
Construction	\$ 726,930
10% Contingency	\$ 73,000
Special Inspections	\$ 15,000
Commissioning	\$ 25,000
CIP Budget	\$ 1,015,000

QUESTIONS?

Board Action Requested:

1. Amend the FY 27 – 31 CIP for the Scottsville WRRF Permit Modifications project to increase the budget by \$188,000. This amendment would bring the total CIP budget for this project to \$1,015,000.
2. Authorize the Executive Director to award a construction contract for IFB#438 to Orders Construction Company, Inc. for a total amount of \$726,930 and to approve any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: APPROVAL OF CAPITAL IMPROVEMENT PLAN
AMENDMENT AND CONSTRUCTION CONTRACT AWARD
(IFB# 438) – SCOTTSVILLE WATER RESOURCE RECOVERY
FACILITY PERMIT MODIFICATIONS – ORDERS
CONSTRUCTION COMPANY, INC.**

DATE: APRIL 28, 2026

This request is to authorize award of a contract to Orders Construction Company, Inc. of St. Albans, West Virginia for \$726,930 to construct a motorized slide gate and chemical feed system and to replace wastewater treatment equipment at the Scottsville wastewater treatment facility. An amendment to increase the FY 27-31 CIP by \$188,000 is required to fully fund the project. The total budget for this project will be \$1,015,000. Construction is expected to be completed from June 2026 through June 2027.

Background

To meet the new Virginia Pollutant Discharge Elimination System permit limit issued by Virginia Department of Environmental Quality, RWSA commissioned SEH Engineering to conduct a “Needs Assessment” of the Scottsville wastewater treatment facility to evaluate short-term improvements needed to comply with the new permit. The Needs Assessment evaluated plant upgrades needed for equipment age, condition, efficiency, and resiliency. This project will address the short-term improvements needed including construction of an additional chemical application system and building complying with the permit requirements and replacement of the aerated grit system equipment and a motorized influent slide gate which had reached the end of service life.

An Invitation for Bids (IFB #438) to complete the work was issued on February 9, 2026. A pre-bid conference was held on February 12, 2026. Construction bids were opened on March 10, 2026. Two competitive bids were received with an offer of \$730,430 and \$739,883. The apparent low bidder was Orders Construction Company, Inc. (Orders) of St. Albans, West Virginia with a total base bid of \$730,430.

SEH has reviewed the bid documents submitted by Orders and verified that the bid and attached documents are both responsive and responsible. Furthermore, SEH and RWSA reached out to Orders for a Value Engineering proposal to reduce the price. The effort produced at \$3,500 deduction and brought the total construction cost to \$726,930. Based on Orders experience and positive references, SEH and staff recommend the company be awarded the contract. A budget increase of \$188,000 is required to fully fund the project.

Board Action Requested:

Approve the following:

1. An amendment to the FY 27 – 31 CIP for the Scottsville WRRF Permit Modifications Project to increase the budget by \$188,000 to a total budget of \$1,015,000.
2. Authorization for the Executive Director to award a construction contract to Orders Construction Company, Inc. for a total amount of \$726,930 and to approve any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract amount.

Drought and Water Supply Update

2002 vs 2026

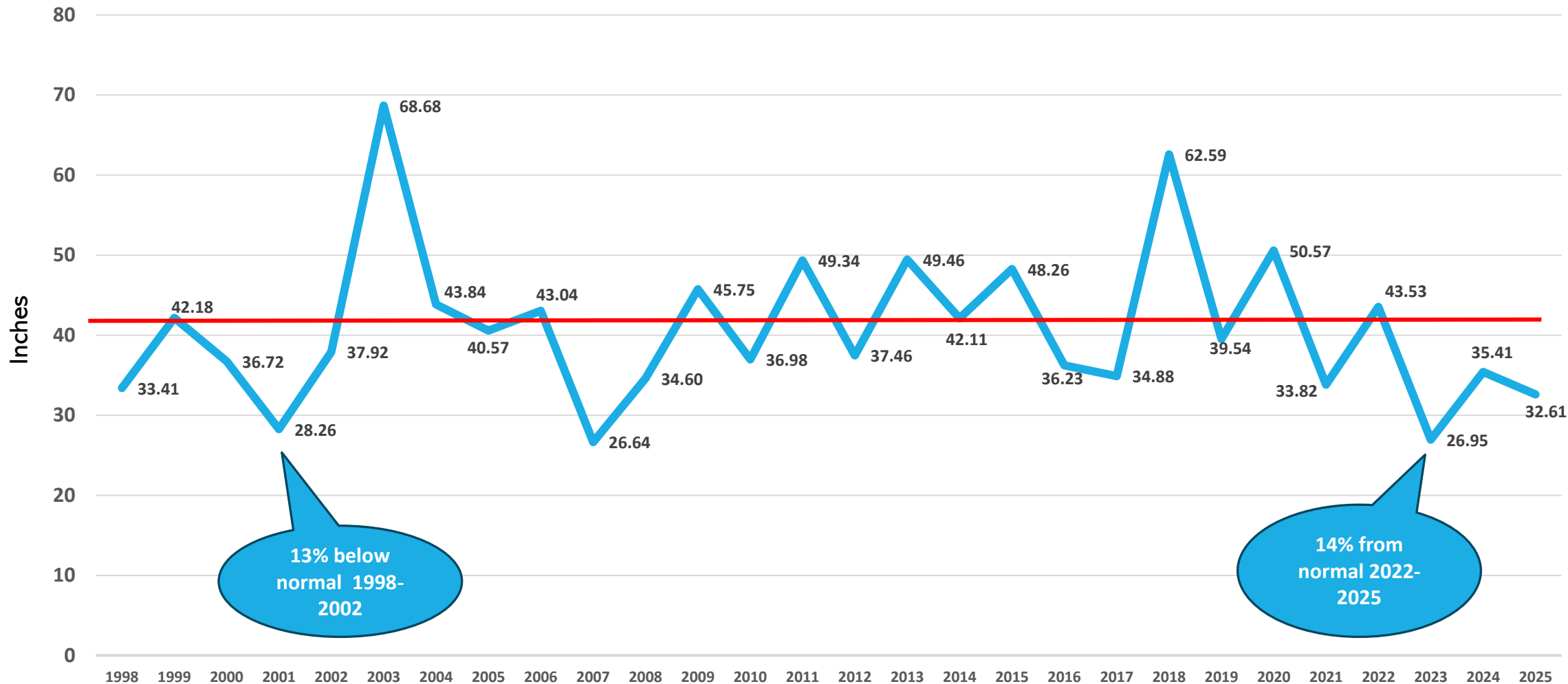


Bethany Houchens
Water Resources Coordinator
Board of Directors Meeting
April 28, 2026



Ragged Mountain Reservoir

1998 – 2025 Annual Rainfall



13% below normal 1998-2002

14% from normal 2022-2025

★ Normal = 41.61 inches
— Observed

Current Conditions vs. 2002

Local Precipitation Summary				
4 Year Period	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
Jan 1999 – Dec 2002	145.06	166.44	-21.38	-13%

Local Precipitation Summary				
4 Year Period	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
Jan 2022 – Dec 2025	142.63	166.44	-23.81	-14%

Rumors Pour When Rain Doesn't

By Eric M. Weiss
September 25, 2002

With Charlottesville reservoirs threatening to dry up in just 88 days, some students at the University of Virginia have entertained thoughts of Christmas break starting around Thanksgiving.

Rumors of an early university shutdown were so pervasive in the past week that college officials Monday sent an e-mail to every student denying plans to send all 18,000 of them home early to conserve water. University officials said fall classes and exams will end on schedule -- 82 days from today.

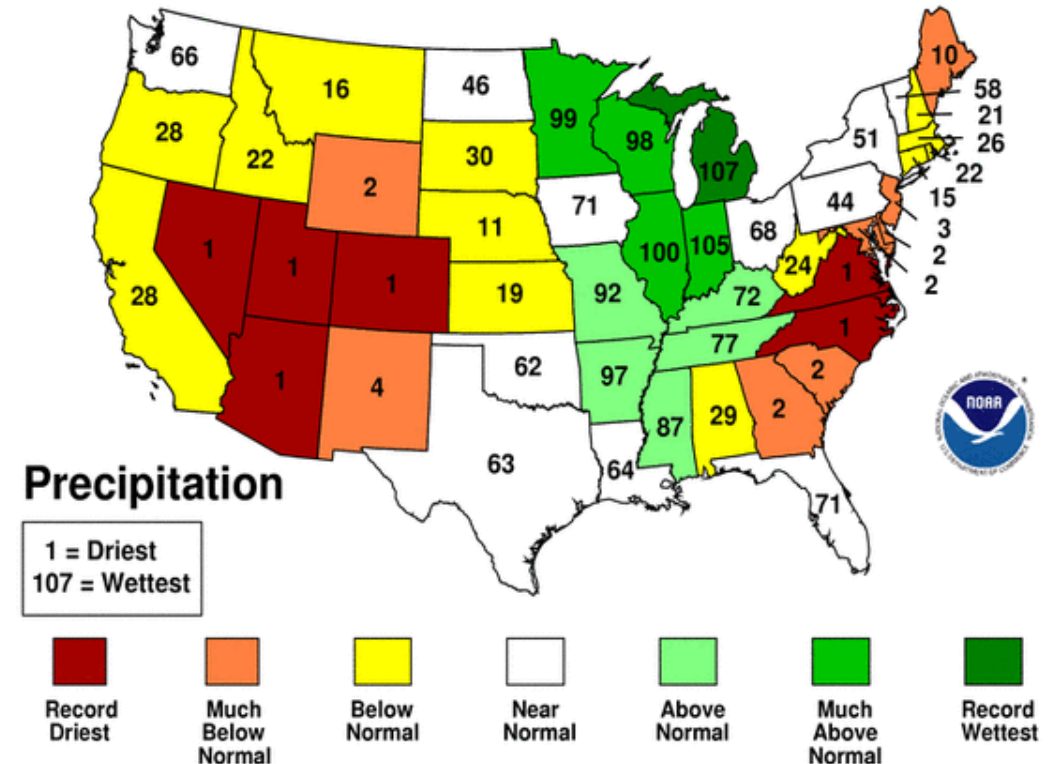
"Closing early is not something that the university itself has talked about," said Louise Dudley, a U-Va. spokeswoman. "It's a leap from understanding how dire the situation is to the saying that the university will close."

Few doubt the seriousness of the water situation. The university is supplied by the municipal system, whose reservoirs are at 54.1 percent of capacity. City officials said that with no rain and unyielding consumption, they would run out of water in three months.

2002 drought in the Southeast — states from Virginia to Georgia had their driest August-July on record this year.

Sep 2001-Aug 2002 Statewide Ranks

National Climatic Data Center/NESDIS/NOAA



2002 vs 2026



<i>River</i> <i>(USGS gage)</i>	Average daily mean flow in 2002	Average daily mean flow in 2025-2026
<i>Mechums River</i> <i>USGS 02031000</i>	~25 MGD	~67 MGD
<i>Rivanna River</i> <i>USGS 02034000</i>	~144 MGD	~486 MGD

2002 Drought Statistics*

Rainfall below average
for four years.



Wintertime
precipitation below
average for three years
. . . Three years of low
groundwater recharge.

August 2002 – Very
Hot and Dry.



Stream flow was at
record lows or zero.


Groundwater
approaching lows for
period of record .

County was in primary
drought disaster status.

Short-term rainfall
doesn't correct
long-term drought.



*USGS, NOAA, US Drought Monitor, VDH

 Applicable to current conditions

Origin of the Community Water Supply Plan



The historic drought in Central Virginia in 2002 sparked a decade-long planning process to increase the community's Urban water supply.



The community evaluated many alternatives, including taking water from the James River, but decided to “drink local” and stay within our Rivanna River watershed.



A community water supply plan was supported by the Board of Supervisors and approved by City Council and the ACSA in 2012.



Ragged Mountain Reservoir Dam- 2021

Community's Water Supply Plan

- Expand the Ragged Mountain Reservoir
 - New Ragged Mountain Dam completed in 2014
 - Construction of the fully expanded reservoir underway
- Construct a New Pipeline
 - From the South Fork Rivanna Reservoir to Ragged Mountain Reservoir
- Renovate Urban WTPs
 - South Rivanna
 - Observatory



Ragged Mountain Tree Removal for Expansion

Local Drought Management Plan

Developed in 2004 by County, ACSA, City and RWSA

Est. Rivanna Regional Drought Response Committee

Updated by RWSA in 2024

Drought stages determined by RWSA

- “Watch” voluntary conservation
- “Warning” mandatory conservation
- “Emergency” water restrictions



Monitoring Drought Conditions

- Weather predictions
- Review of reservoir and streamflow data
- Hydrologic model
 - Predictive weather, hydrology and water supply model. Provides probability of entering a drought in the near future
- Regional Drought Committee
- Virginia Drought Monitoring Task Force report
 - DEQ Drought Monitor

Why Are Current Conditions Improved

TIMING, HYDROLOGY, STORAGE, AND SYSTEM RESILIENCE, NOT JUST TOTAL PRECIPITATION

Precipitation-

- ✓ Broken up by periodic wet months

Groundwater-

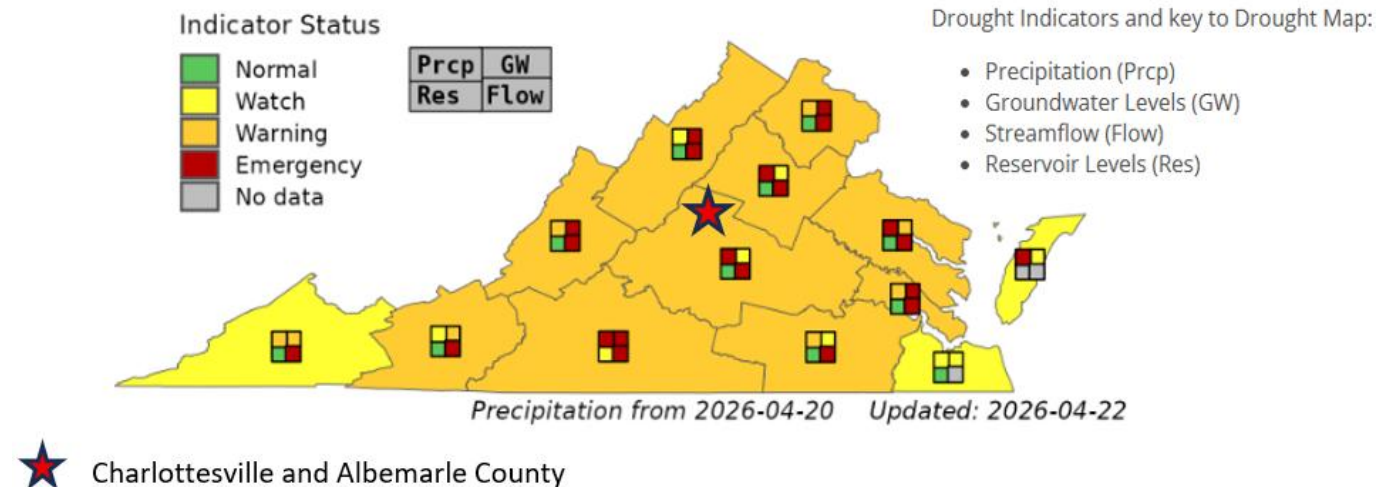
- ✓ Continued baseflow contributions to stream

Reservoirs-

- ✓ Operated differently (more redundancy/resiliency)
- ✓ Expanded storage
- ✓ Improved modeling/forecasting
- ✓ Earlier triggers

Streamflow-

- ✓ Being replenished by wetter months
- ✓ Recharged by groundwater



Summary

- While current precipitation conditions are similar to 2002, operational strategies and infrastructure improvements have increased our water supply resiliency.

Urban Reservoir Storage (2002 vs Current)

<i>September 2002</i>	<i>Current (4/22/26)</i>
900 Million Gallons	2.63 Billion Gallons



An aerial photograph of a large, calm lake. In the foreground, a dam with a rocky spillway is visible on the left side. The lake's surface is a deep blue, reflecting the sky and the surrounding forest. The background is a dense forest of trees with varying shades of green, yellow, and orange, suggesting an autumn setting. The word "Questions?" is centered in the middle of the lake in a white, serif font.

Questions?



Wastewater Program Review



Brian Haney
Wastewater Manager
Board of Directors Meeting
April 28, 2026

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

15 MGD Moores Creek

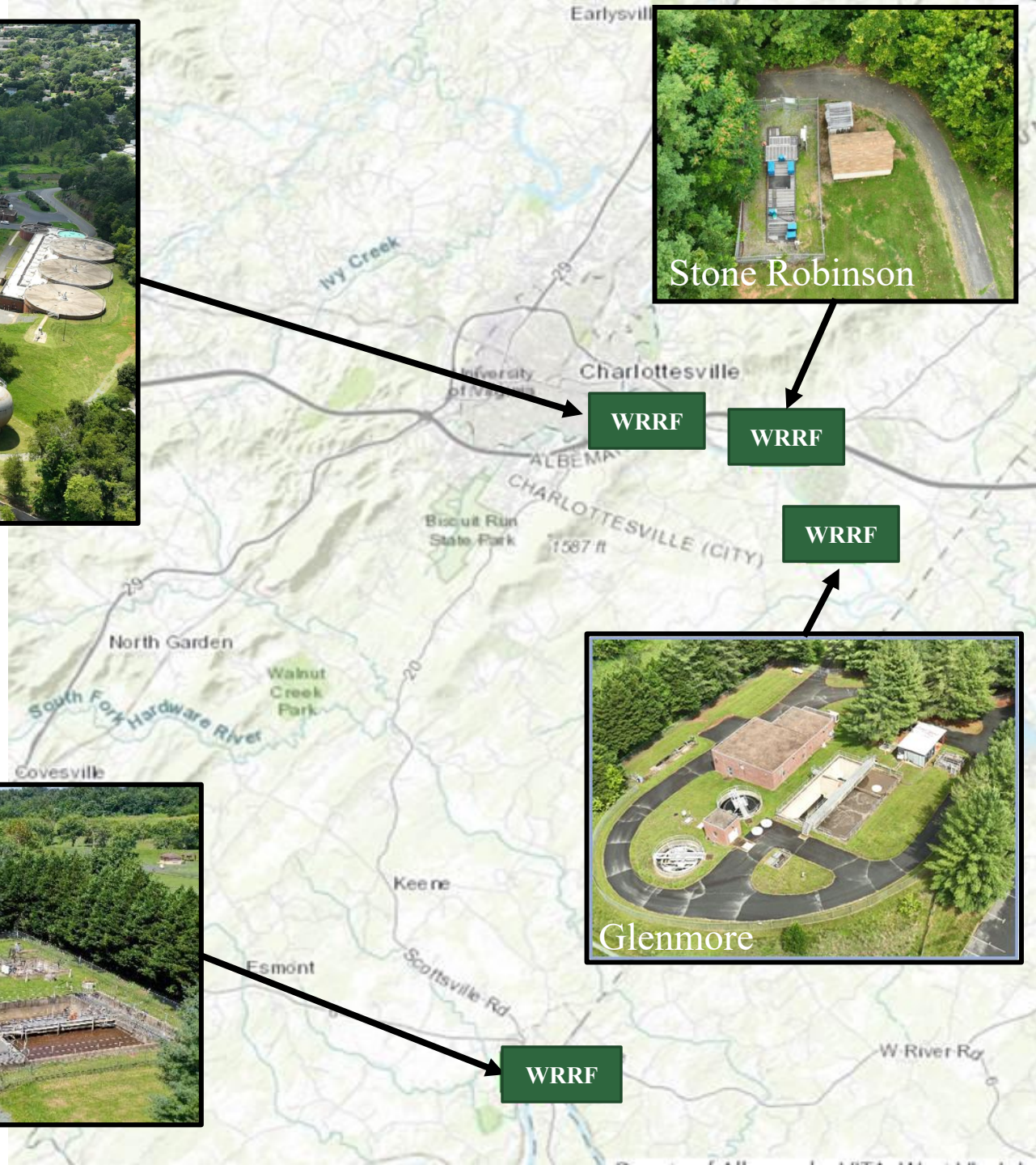


Stone Robinson



0.007 MGD

4 Wastewater Facilities



WRRF

WRRF

WRRF



Glenmore

0.38 MGD

WRRF

0.2 MGD

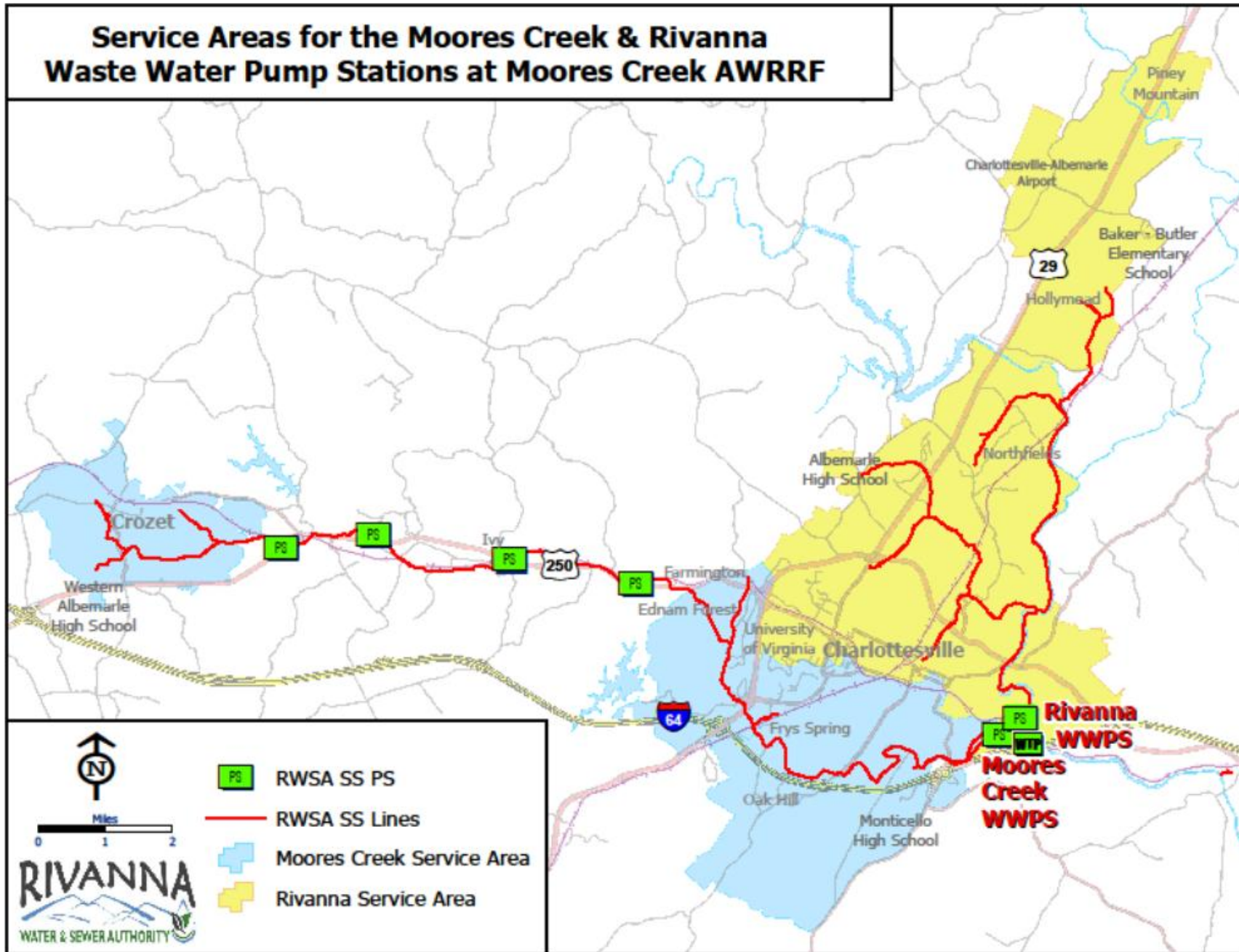
Scottsville



Sewer Pump Stations at Moores Creek



Service Areas for the Moores Creek & Rivanna Waste Water Pump Stations at Moores Creek AWWRF





Moores Creek "Wet Side"



Band Screens

*remove debris from
wastewater after the
pump stations*



Debris

*removed by the
band screens*

Grit Removal System



Grit removed





Primary Clarifiers

sludge removal by settling and skimming of floating grease/oils



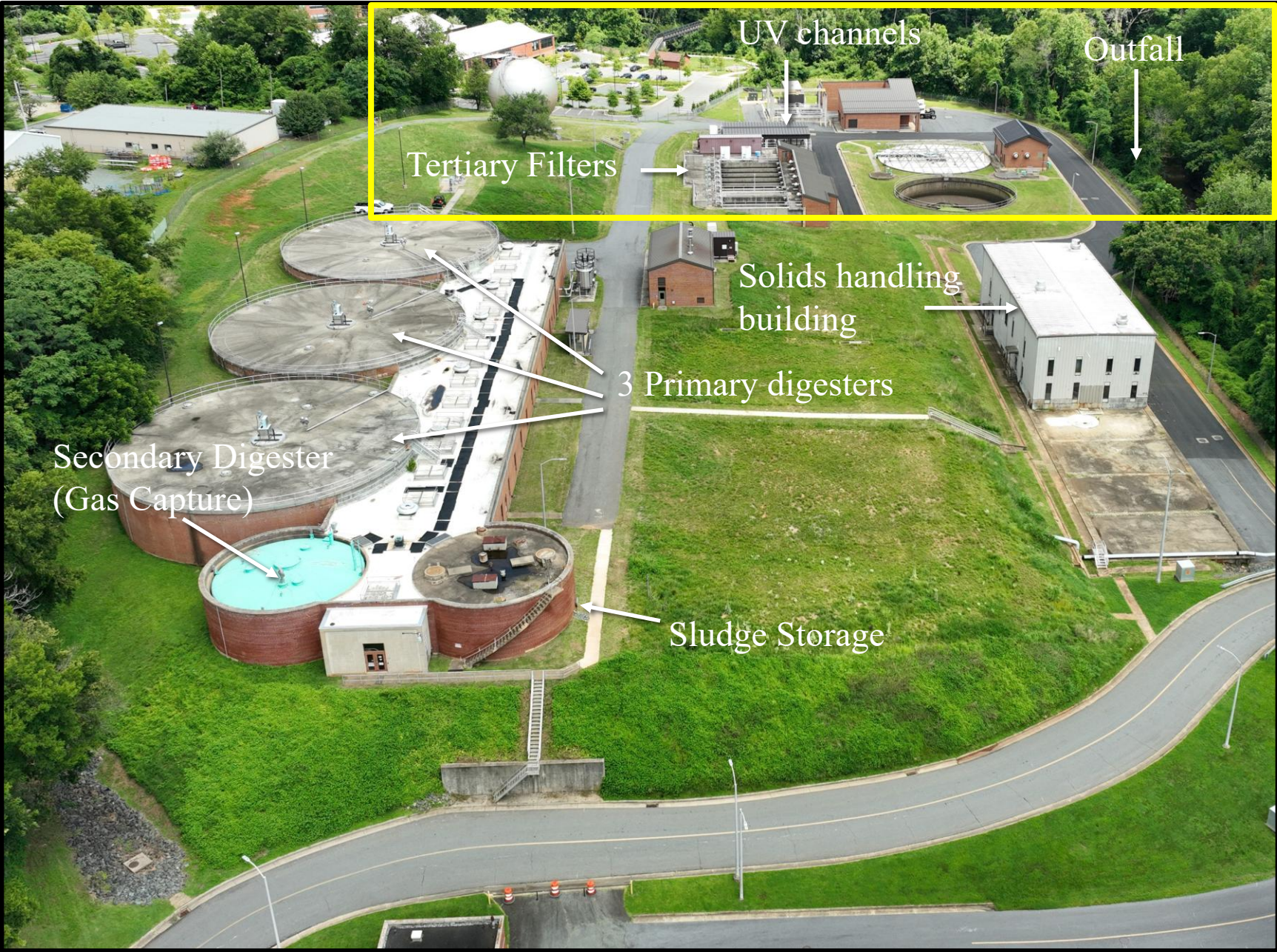
Biological Treatment

*enhanced
nutrient removal
by microbes*



Secondary Clarifiers

Final stage of settling for solids



Moores Creek “Wet Side Final Treatment”



Sand Filters

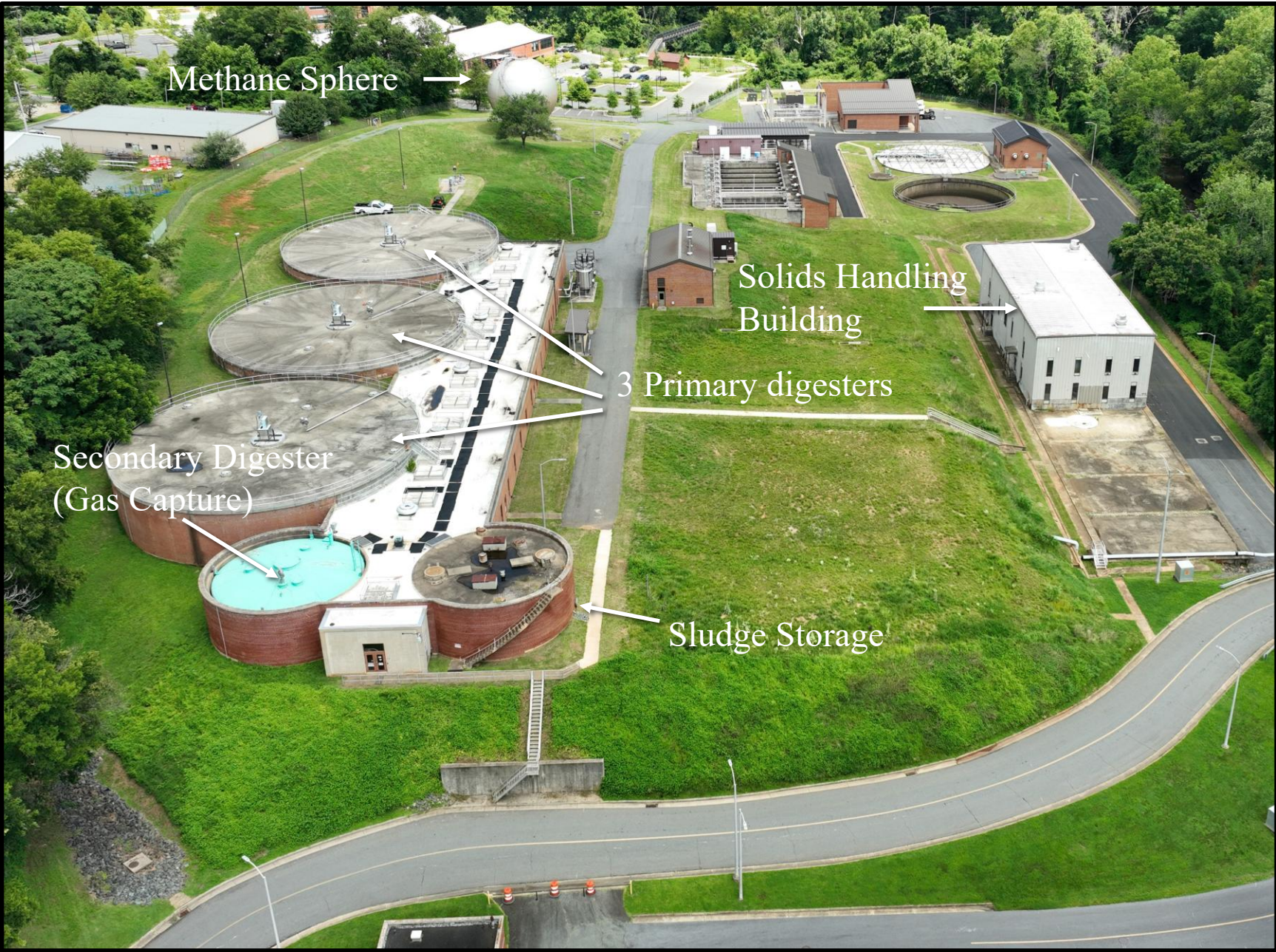
remove fine particles prior to UV disinfection



Ultraviolet light channels
disinfects wastewater effluent flow

Outfall to Moores Creek





Moores Creek “Solids side”



Centrifuge

*dewaters
anaerobic
sludge from
digesters*



Biosolids

*Moore's Creek
generated approx.
14,500 tons of
biosolids in 2025
and made 511 trips to
compost facility in
Waverly, VA*



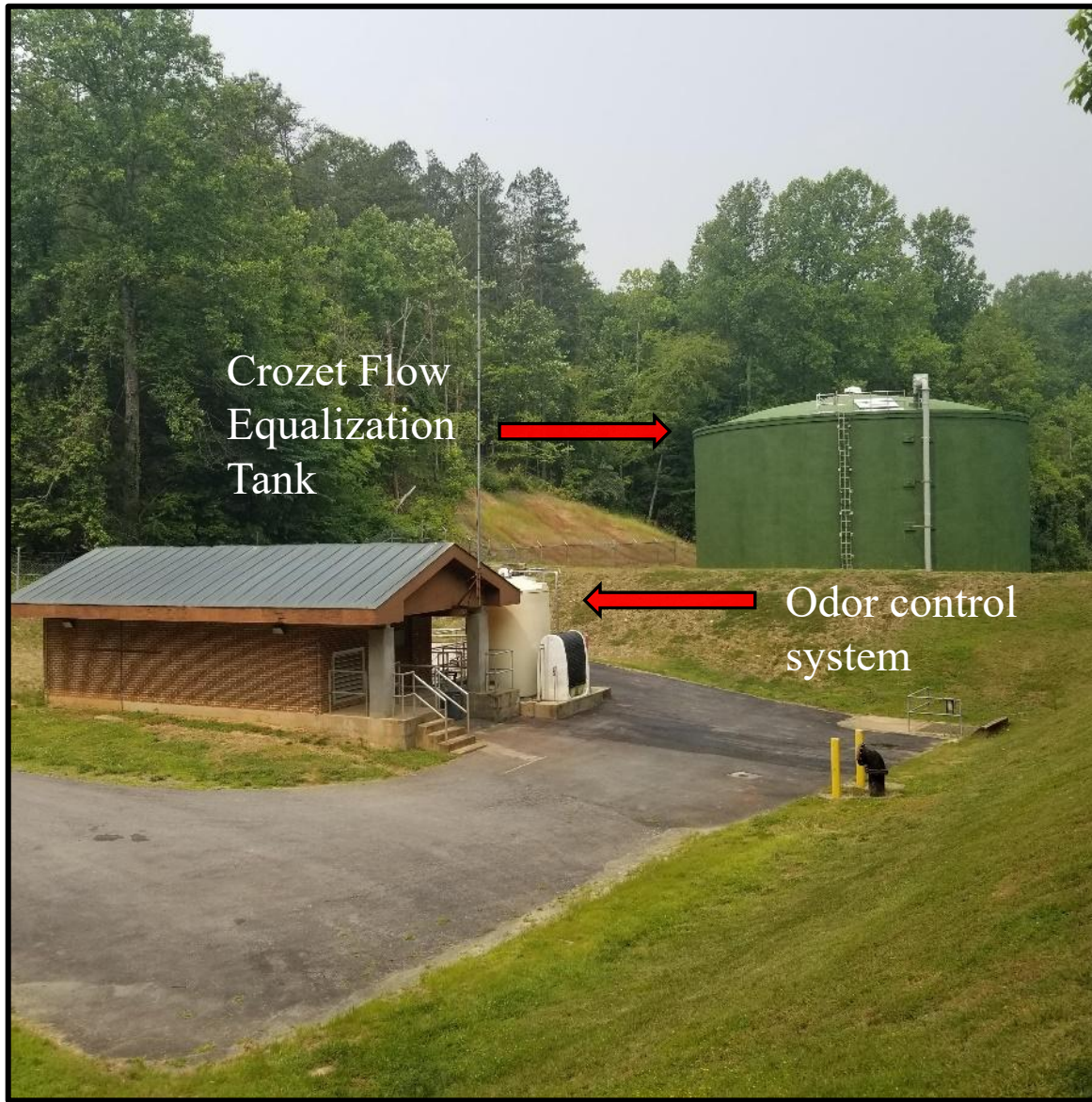
Moores Creek septic station

*approx. 6,800
deliveries of septage
totaling 8.5 million
gallons in CY 2025*



Moores Creek Odor Control

*removes odors from
gases under primary
clarifier covers, grit
basins, and Rivanna
PS Wetwell*



Crozet Flow
Equalization
Tank

Odor control
system

Crozet Pump Station 4

Crozet Sewer Odor Control

*Reduces odors in
sewer line from Crozet
to Charlottesville*

- ◆ *Odor control from Crozet costs about \$350,000/year*



Odor control
system

Crozet sewer Odor Control

*Vendor provides
chemicals and
equipment for odor
control at pump
stations 1,2, and 4*

Crozet Pump Station 2

Wastewater Treatment Plants

Moore's Creek Advanced Water Resource Recovery Facility
 Facility Class I
 Treats all WW from City of Charlottesville and Albemarle County
 15 MGD Capacity
 Staffed 24 hours/365
 2 Operators per shift
 4 shifts per week

Glenmore Water Resource Recovery Facility
 Facility Class I
 Treats all WW from Glenmore Subdivision and Adjacent Sewered Areas
 0.381 MGD Capacity
 Staffed 4 hours/365
 1 Operator per shift
 2 shifts per week

Scottsville Water Resource Recovery Facility
 Facility Class II
 Treats all WW from Town of Scottsville and Adjacent Sewered Areas
 0.2 MGD Capacity
 Staffed 4 hours/365
 1 Operator per shift
 2 shifts per week

Stone Robinson Water Resource Recovery Facility
 Treats all WW from Stone Robinson School
 7,000 Gallons/day Capacity
 Staffed 1 hour/365
 1 Operator per shift
 2 shifts per week

- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator
- Class 1 or Less Operator

10 Total Operators

Total Wastewater Operators: 17

Wastewater License	Number of Operators
Class 1	10
Class 2	2
Class 3	1
Class 4	-
Unlicensed Trainee	2

- Class 1 or Less Operator
- Class 1 or Less Operator

2 Total Operators

Relief Operators

- Class 1 or Less Operator
- Class 1 or Less Operator

2 Total Operators

Management Staff

- Class 1 Operator
- Class 1 Operator
- Class 1 Operator

3 Total

Wastewater Staff Licenses

Wastewater License	Number of Operators
Class 1	10
Class 2	2
Class 3	1
Class 4	-
Unlicensed Trainee	2
Total Wastewater Operators	15

Industrial Waste Pre-Treatment Program



Purpose of the program

- Protect the sewer system and the processes in the wastewater treatment plants by having discharge limits
- Required by Environmental Protection Agency and Virginia Department of Environmental Quality



Discharge limits

- Pretreatment program monitors at the following constituents:

- Fats Oils and Greases (FOG)
- Metals (Copper, Lead, heavy metals)
- Nutrients (Nitrogen and Phosphorus)
- pH (discharge must be between 6.0 and 9.0)
- Carbonaceous Biochemical Oxygen Demand



Identifying Industrial Users

- Significant Industrial User (SIU)
 - Categorical (metal finishing, semiconductor manufacturing, etc.)
 - Non-categorical (discharges more than 25,000 gal/day or has potential to adversely affect our treatment process)
- Businesses with processes that discharge pollutants of concern to the sewer system
 - Restaurants
 - Breweries and Wineries
 - Food Preparation facilities
 - Soft drink bottling facilities

Current Industrial Permits

- RWSA currently has 4 SIUs in the pretreatment program:



- New permits were issued for all 4 in 2025 and will expire on June 30, 2028.
- Each industry is required to submit a semi-annual report for the periods ending in June and December of each year.

Wastewater Plant Performance Testing

Monthly compliance reports are sent to VDEQ

Moores Creek

- | | |
|---|----------------|
| • Dissolved oxygen | Daily |
| • pH | Daily |
| • Total Suspended Solids | 5 times a week |
| • Ammonia | 5 times a week |
| • Escherichia coli bacteria | 4 times a week |
| • Total Phosphorus | 2 times a week |
| • Total Nitrogen | 2 times a week |
| • Carbonaceous Biological Oxygen Demand | 1 time a week |

Moores Creek Nutrients

Nutrient discharges at the Moores Creek AWRRF were as follows for March 2026.

<i>State Annual Allocation (lb./yr.) Permit</i>		<i>Average Monthly Allocation (lb./mo.) *</i>	<i>Moores Creek Discharge March (lb./mo.)</i>	<i>Performance as % of monthly average Allocation*</i>	<i>Year to Date Performance as % of annual allocation</i>
Nitrogen	282,994	23,583	10,295	44%	12%
Phosphorous	18,525	1,636	182	11%	3%

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

Wastewater Department Budget ~FY 2027~

- \$29.9 million
 - \$2.1 million for employee salaries
 - \$1.4 million – utility costs (electricity, natural gas)
 - \$1.1 million for wastewater treatment chemicals
 - \$1.6 million (odor control, biosolids disposal and trucking)
 - \$0.5 million – communication lines, IT, misc. supplies, professional services
 - \$2.5 million for operations and maintenance
 - \$5.9 million for central support (Finance, IT, HR, Engineering, Maintenance, Lab services)
 - \$14.5 million for debt service
- treated over 3.4 billion gallons of wastewater in CY 2025

Amount of Wastewater Treated CY25

Wastewater Facility Name	Total Annual Flow (MG)
Moores Creek	3,386
Glenmore	50.91
Scottsville	20.61
Stone Robinson	0.64

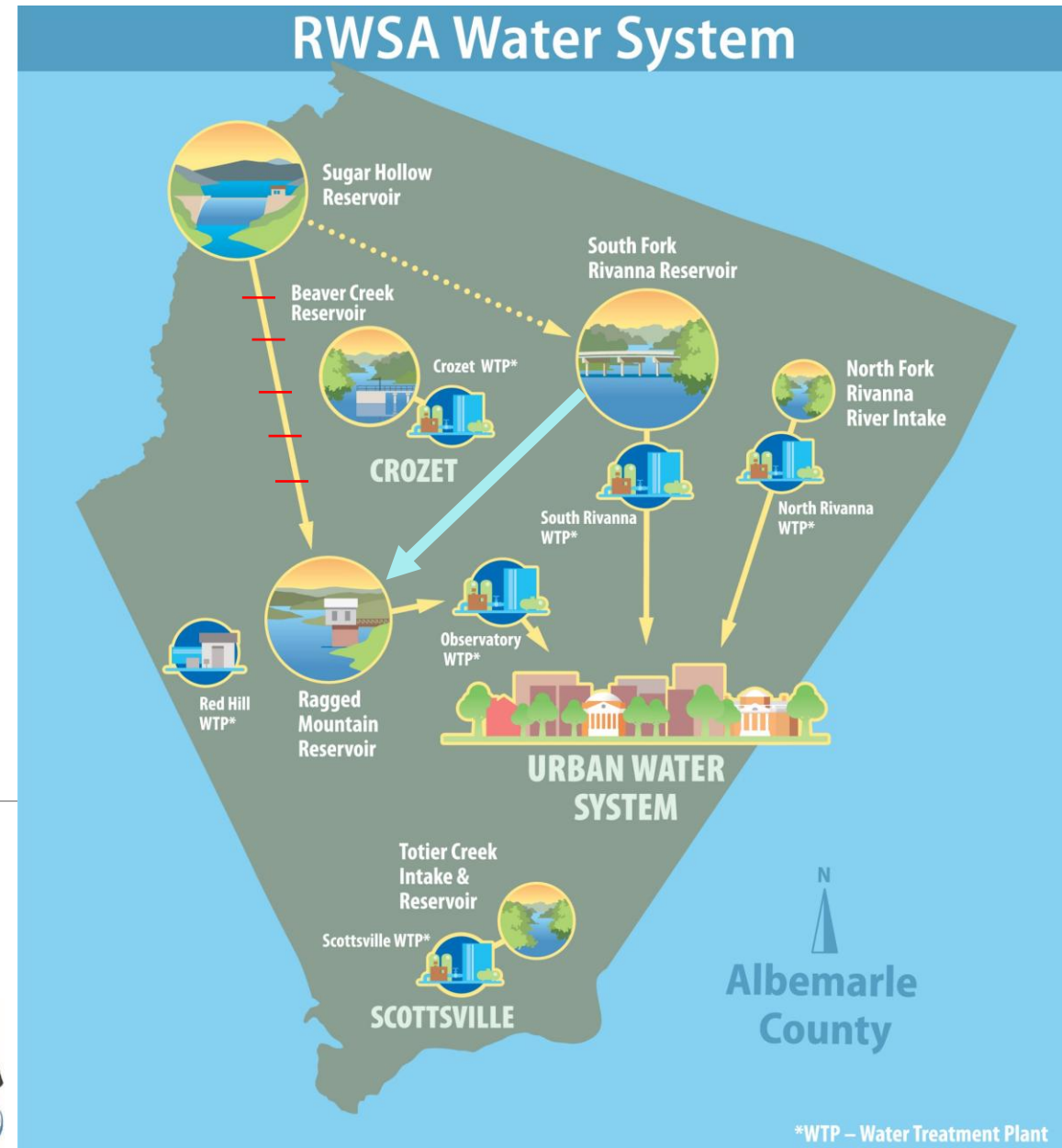


Moores Creek AWRRF

Questions?

Water Treatment Facilities Overview

PRESENTED BY:
BRAD PUFFENBARGER
WATER MANAGER
BOARD OF DIRECTORS MEETING
APRIL 28, 2026



Vision & Mission



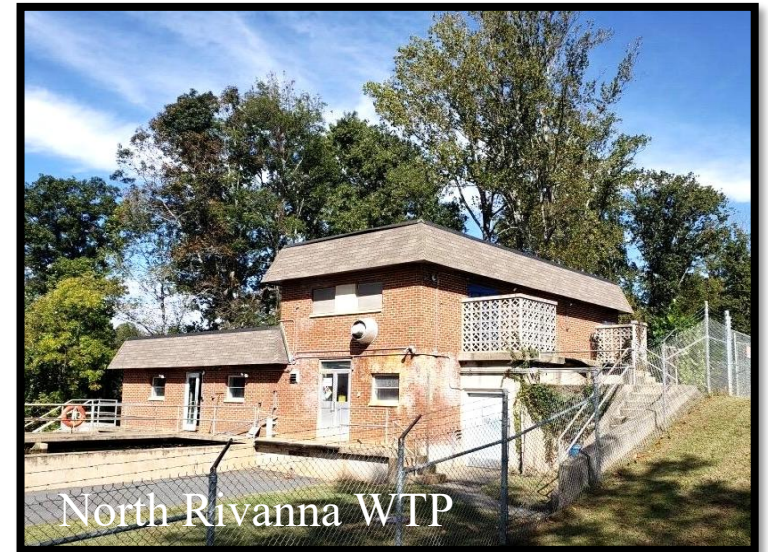
Deliver Reliable, High-Quality Water Every Day!



South Rivanna WTP



Observatory WTP



North Rivanna WTP



Crozet WTP



Red Hill WTP



Scottsville WTP

System Overview - 6 Water Treatment Plants

Water Production Capacity

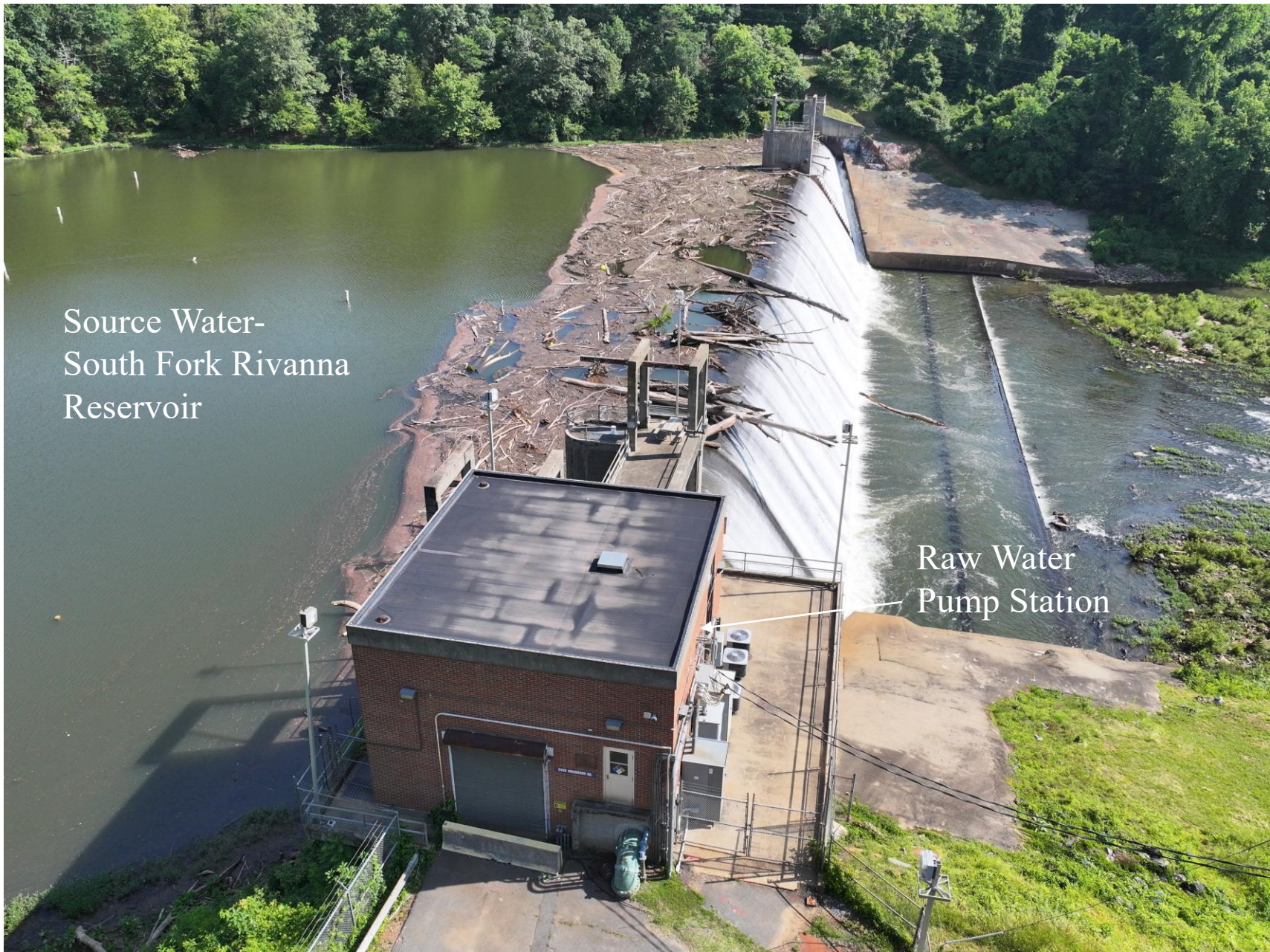
Treatment Plant	Permitted Capacity (MGD)	2025 Average Daily Production (MGD)
South Rivanna	12.0	8.40
Observatory	10.0	1.06
North Rivanna	2.0	0.10
Urban Total	24.0	9.56
Crozet	1.6	0.64
Scottsville	0.25	0.05
Red Hill	0.0068	0.002
Total	25.86	10.25

Water Treatment Processes

- Source Water
- Coagulation
- Flocculation
- Sedimentation
- Filtration
- GAC Adsorption
- Disinfection

Core Treatment Functions and Additives

- Coagulation and particle removal
 - Aluminum Sulfate (Alum)
- pH adjustment and stability
 - Calcium Hydroxide (Liquid Lime)
- Disinfection
 - Sodium Hypochlorite (Chlorine)
- Corrosion control
 - Orthophosphate (Corrosion Inhibitor)
- Public Dental Health
 - Hydrofluorosilicic Acid (Fluoride)



Source Water-
South Fork Rivanna
Reservoir

Raw Water
Pump Station

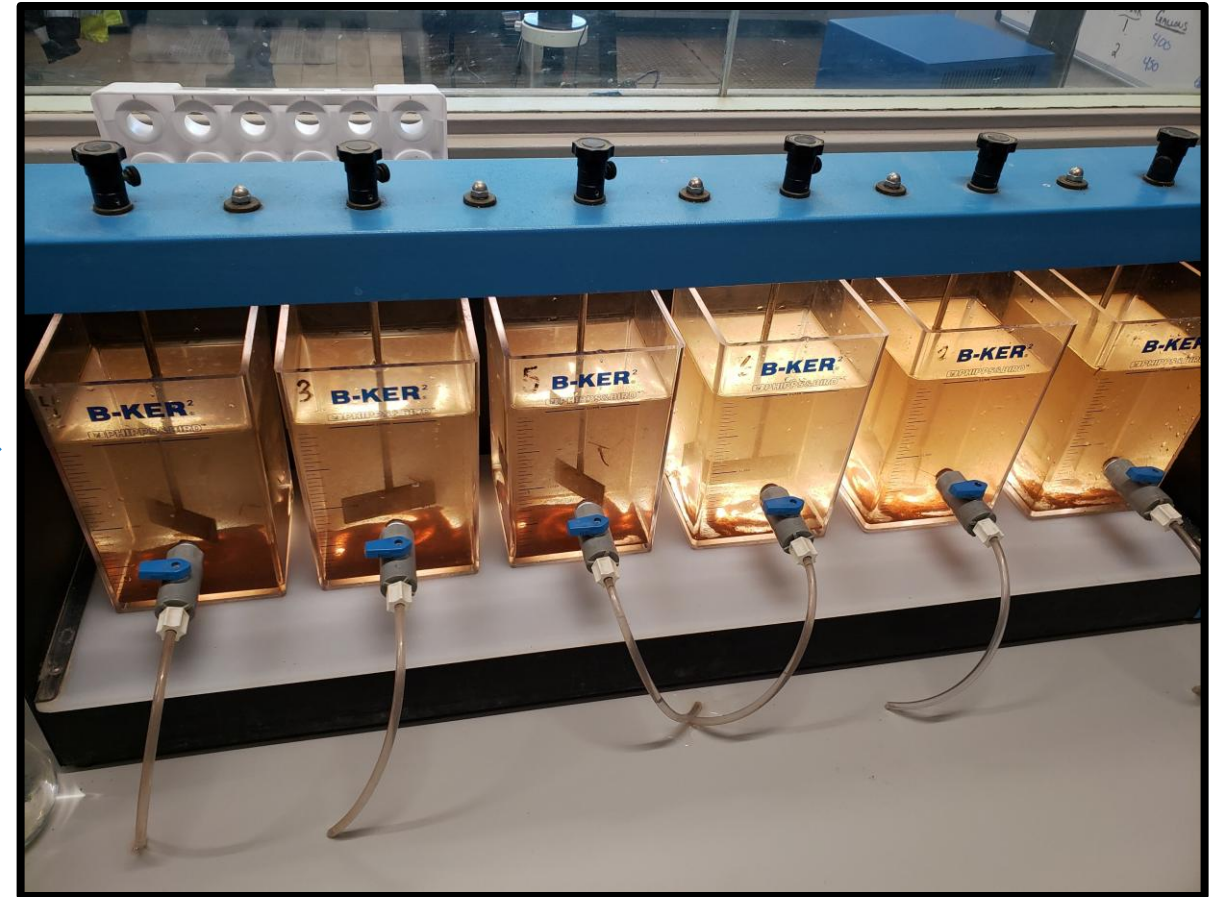
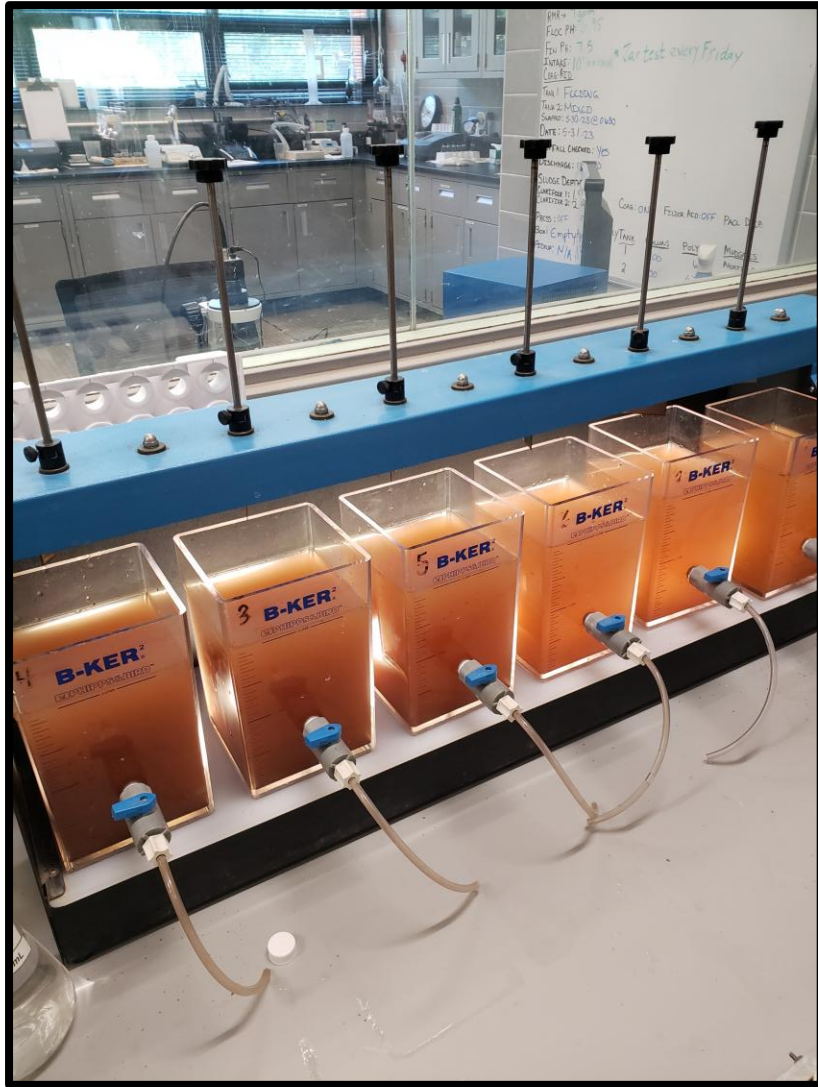
Conventional Surface Water Treatment

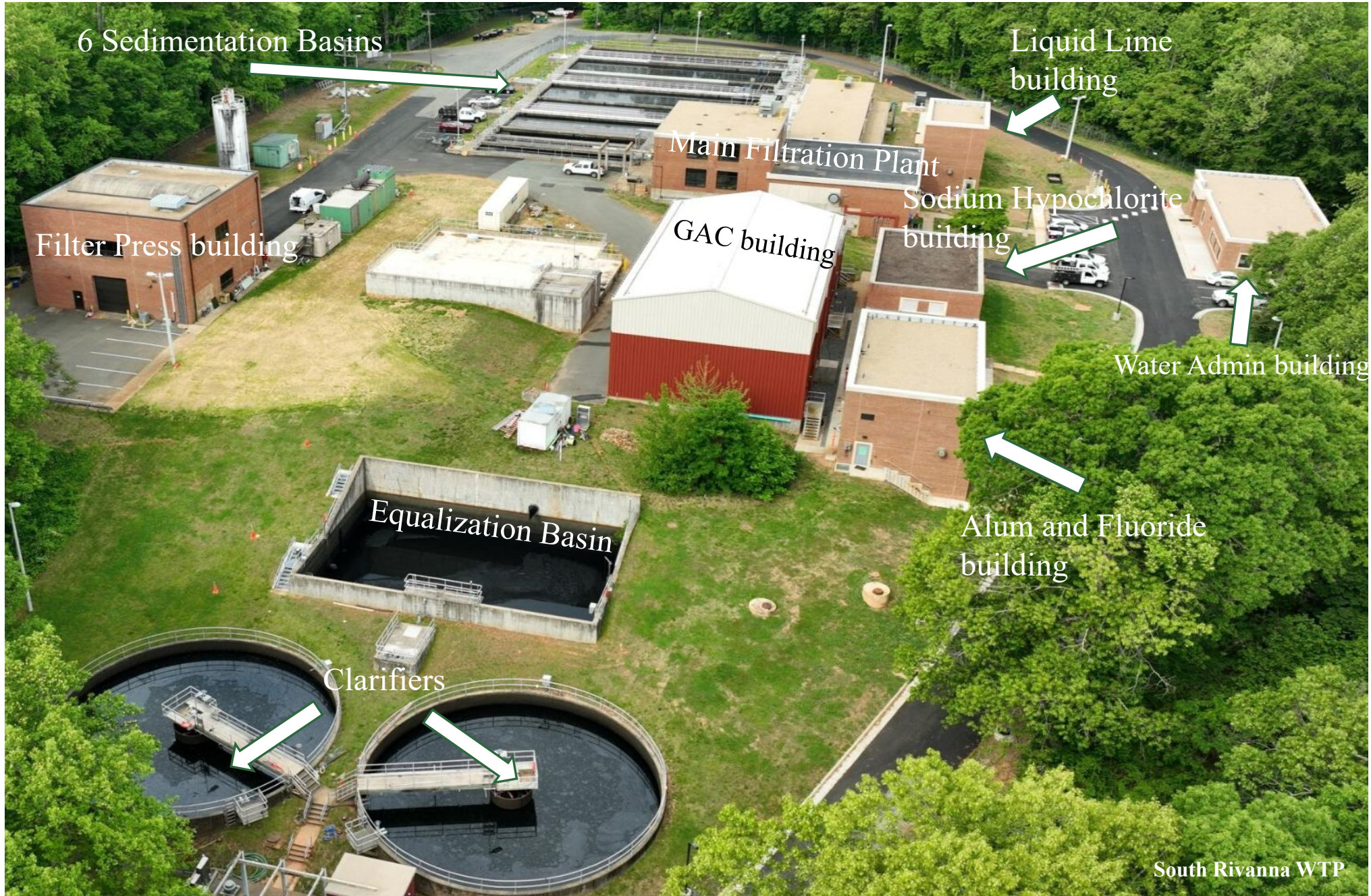




Flocculated particles
entering
sedimentation basins

Water treatment jar test





6 Sedimentation Basins

Liquid Lime building

Main Filtration Plant

Sodium Hypochlorite building

Filter Press building

GAC building

Water Admin building

Equalization Basin

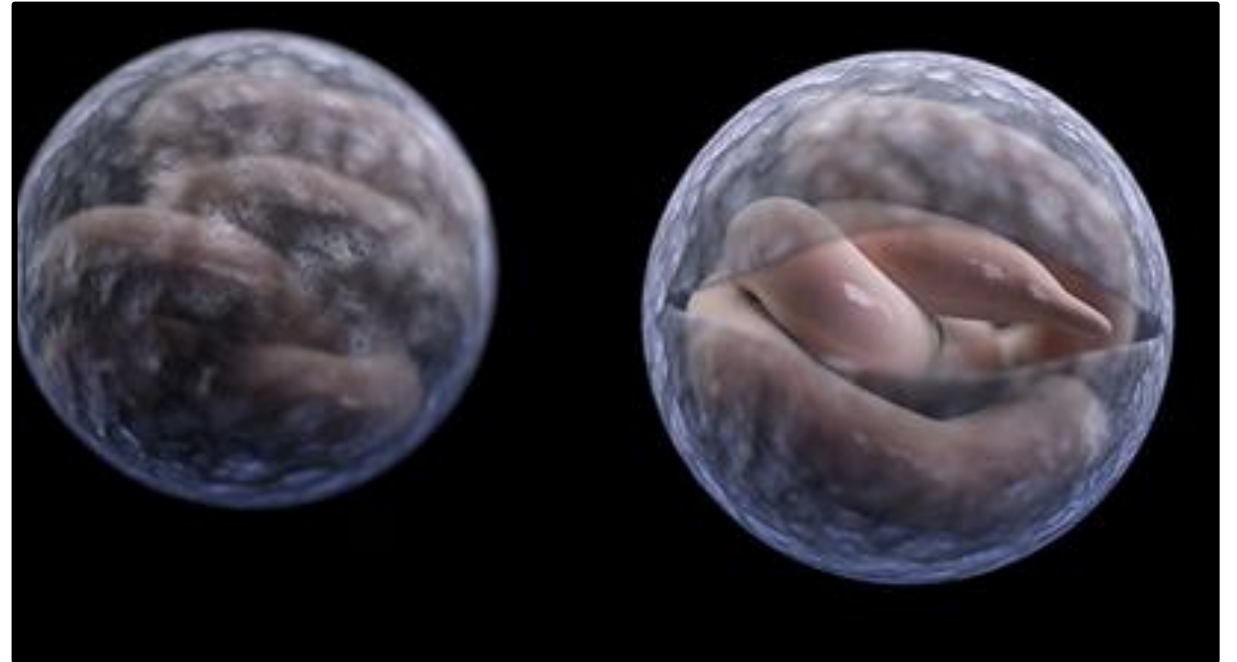
Alum and Fluoride building

Clarifiers

South Rivanna WTP



Dual Media Filters (Sand and Anthracite) at Observatory Water Treatment Plant



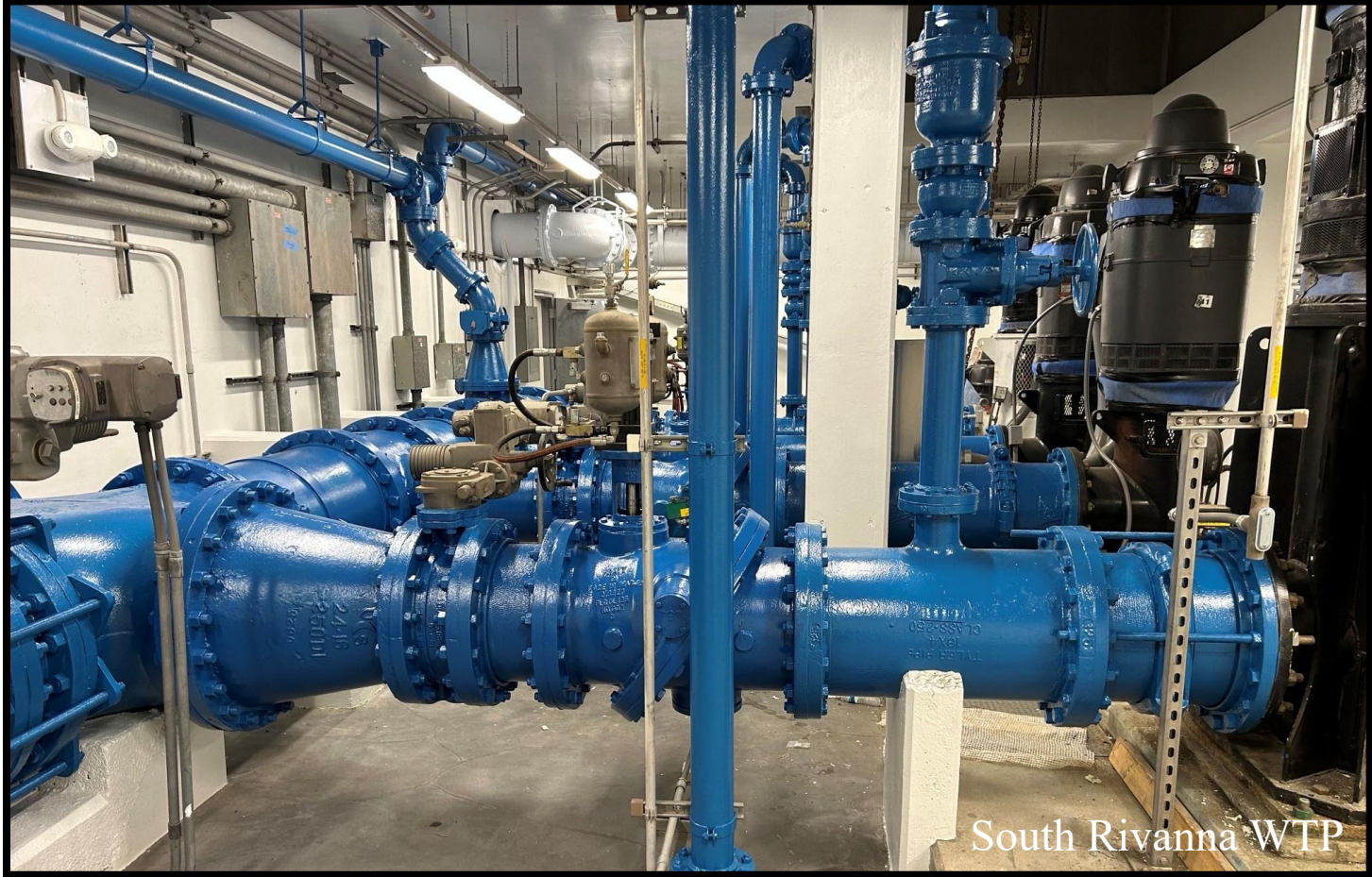
Giardia & Cryptosporidium



Filter Turbidimeter



Benchttop Turbidimeter



South Rivanna WTP

Finished Water Pumps

Seasonal Free Chlorine Residual Strategy

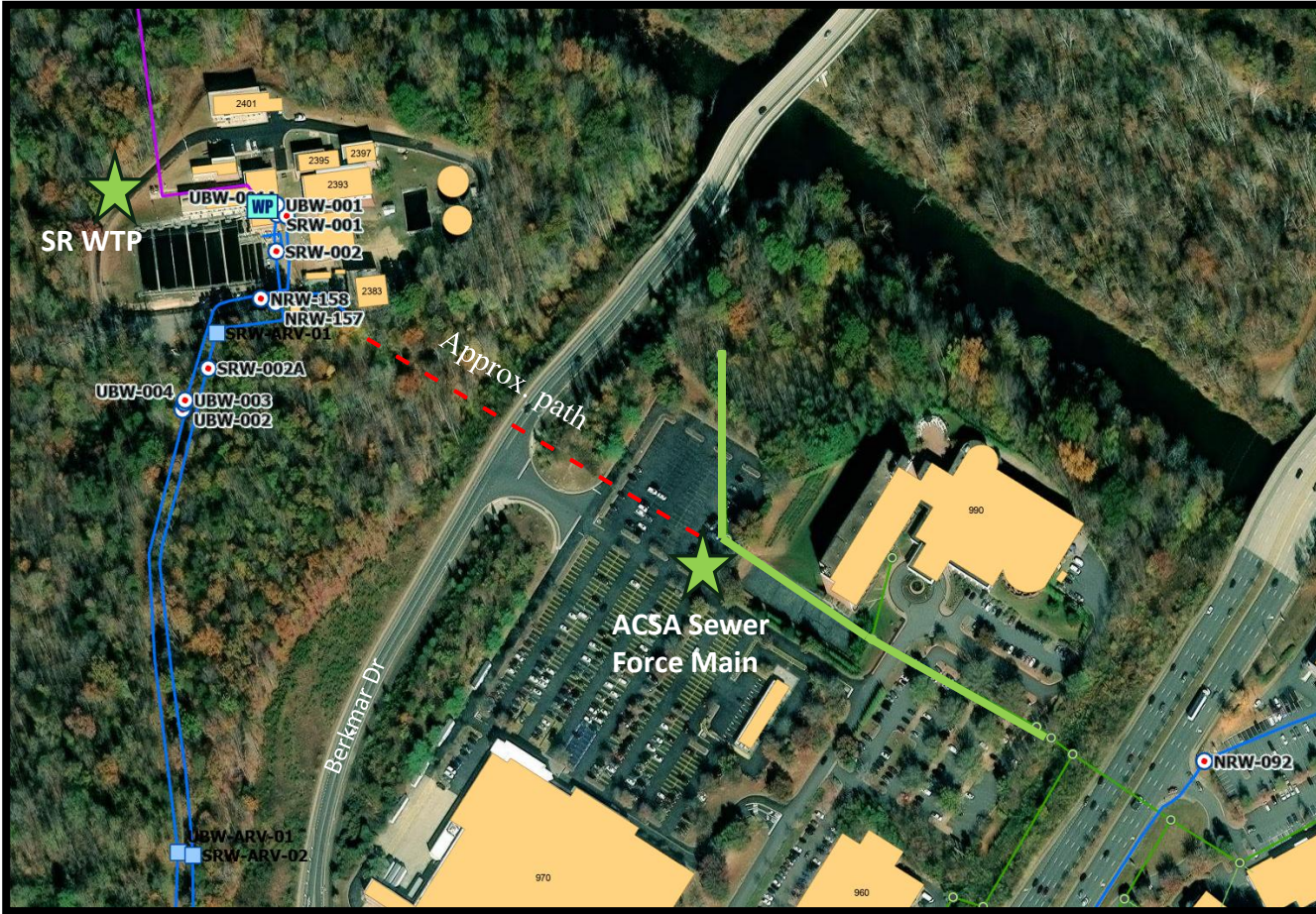
General Administrative Procedure (GAP 7):

- **Purpose:** Implement Safe, Strategic, Regulatory Compliant and Optimized Water Treatment Operations
- **Key Considerations:**
 - Water Temperature
 - Distribution System Chlorine Residuals
- **Approximate Seasonal Ranges for free chlorine residuals**
 - January – March: 1.4-1.6 mg/L
 - April – June: 1.6-2.0 mg/L
 - July – September: 2.0-2.2 mg/L
 - October – December: 2.0-1.6 mg/L



Current Residuals Disposal





Future Residual Disposal:

Regional sewer connection

- Approx. 1,000' of 4" sewer main and pump station
- Budget: \$1M
- Completion: FY 27 - 29

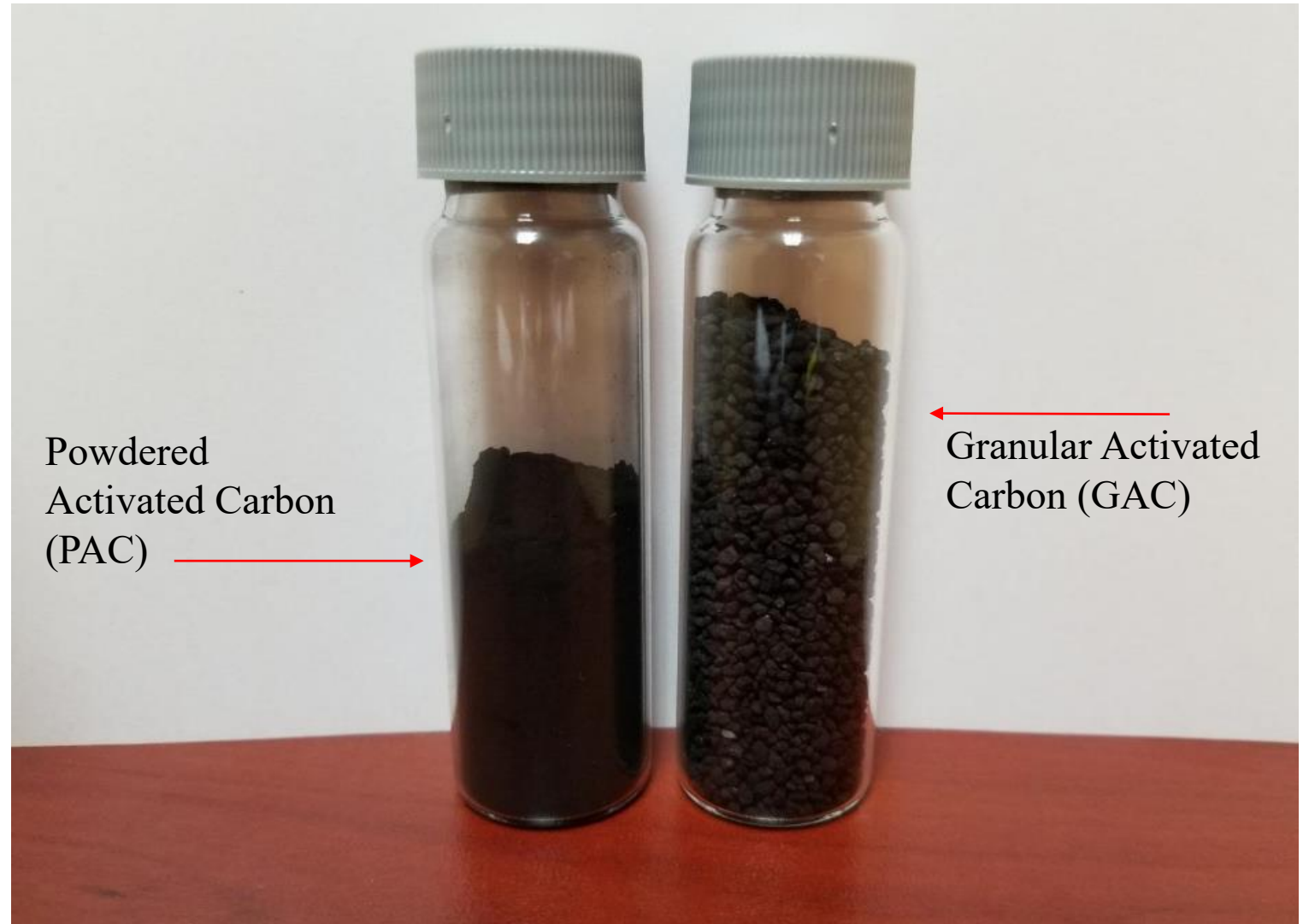
Activated Carbon

PAC

- Single use
- Taste and Odors
- Organics removal (enhanced coagulation)

GAC

- Renewable (thermal reactivation)
- Organics removal (post filtration)





South Rivanna WTP

PAC application point



Granular Activated Carbon Contactors



South Rivanna WTP

8 Contactors
320,000 pounds of GAC
8 MGD Capacity



Observatory WTP

6 Contactors
240,000 pounds of GAC
6 MGD Capacity



Scottsville WTP

2 Contactors
12,000 pounds of GAC
0.25 MGD Capacity



Crozet WTP

2 Contactors
40,000 pounds of GAC
1 MGD Capacity

Upcoming:

2 new Contactors
80,000 pounds of GAC
Additional Capacity: 2MGD



Upcoming: Red Hill WTP

1 Contactor
1,000 pounds of GAC
0.007 MGD Capacity



North Rivanna WTP

1 Contactor
40,000 pounds of GAC
1 MGD Capacity

Drinking Water Testing Requirements



Monthly reports submitted to Virginia Department of Health include the following:

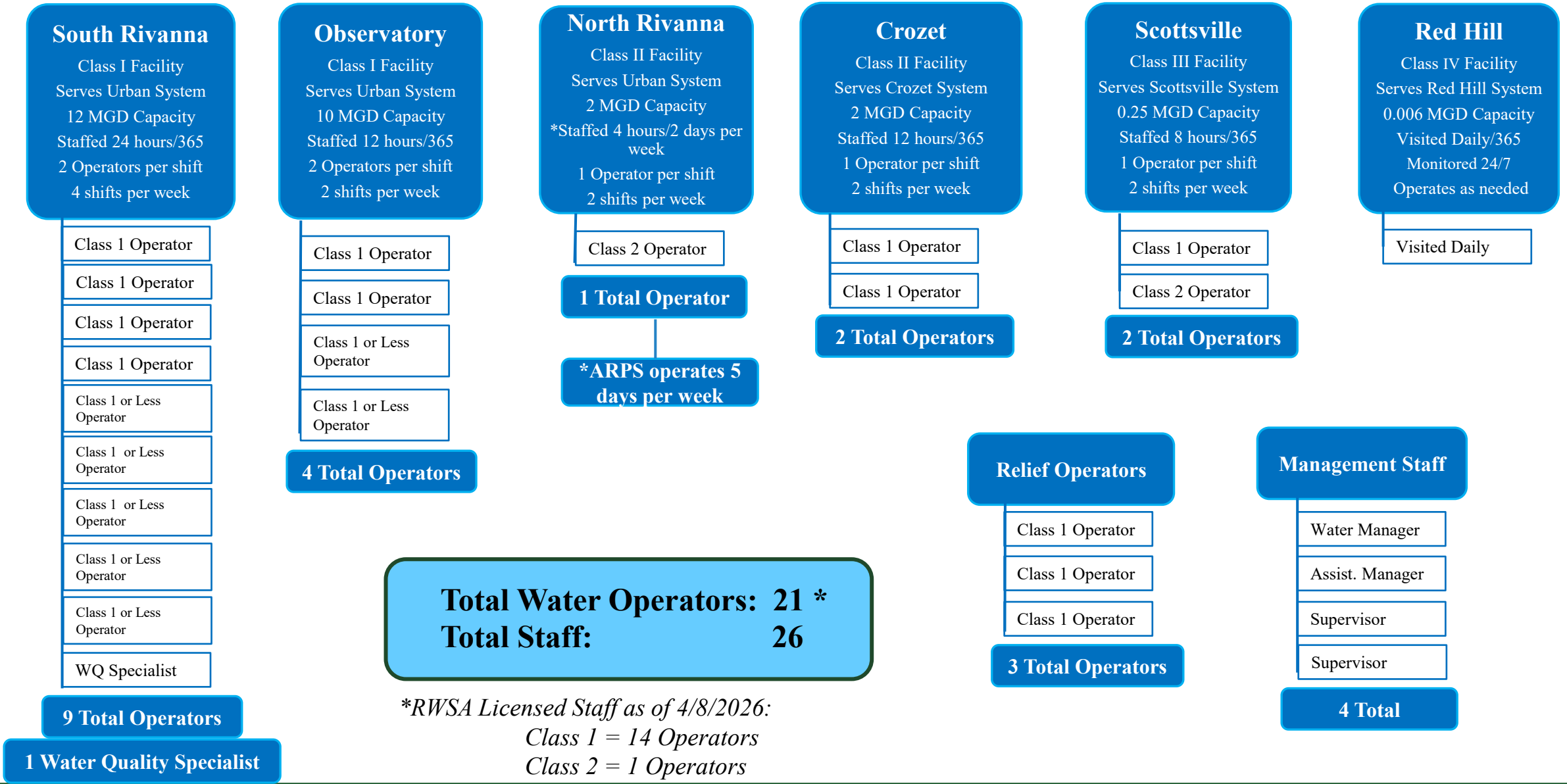
- Daily volume of water treated and produced
- Daily chemical dosage at each water plant
- Filter performance data (turbidities, backwash gallons)
- Finished water chlorine residuals and disinfection calculations
- Total Coliform sample results for all 4 water systems
- Safe Drinking Water Act posted to EPA central data exchange website

Water Department Budget ~FY 2027~

- \$40.9 million
 - \$3.4 million for employee salaries and benefits
 - \$1.0 million – utility costs (electricity, natural gas)
 - \$2.8 million for water treatment chemicals
 - \$0.7 million – communication lines, IT, misc. supplies, professional services
 - \$4.2 million for operations and maintenance
 - \$6.0 million for central support (Finance, IT, HR, Engineering, Maintenance, Lab services)
 - \$24.5 million for debt service

- Treated over 3.7 billion gallons of drinking water in CY 2025

The Water Department Team





Ragged Mountain Reservoir

Questions?