



Board of Directors Meeting

October 28, 2025

2:15pm



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

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BOARD OF DIRECTORS

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

DATE: OCTOBER 28, 2025

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 SEPTEMBER 23, 2025**
4. **RECOGNITION**
5. **EXECUTIVE DIRECTOR'S REPORT**
6. **ITEMS FROM THE PUBLIC**
Matters Not Listed for Public Hearing on the Agenda
7. **RESPONSES TO PUBLIC COMMENTS**
8. **CONSENT AGENDA**
 - a. *Staff Report on Administration and Communications*
 - b. *Staff Report on CIP Projects*
 - c. *Staff Report on Finance*
 - d. *Staff Report on Information Technology*
 - e. *Staff Report on Operations*
 - f. *Staff Report on Drought Monitoring*
 - g. *Staff Report on Wholesale Metering*

- h. Approval to Amend Professional Engineering Services – Rivanna Pump Station Reconstruction Program Controls Improvements – Short Elliot Hendrickson, Inc.*

9. OTHER BUSINESS

- a. Presentation and Consider Vote to Approve: An Amendment to the FY 26-30 CIP and Award of Construction Contract for the Scottsville WRRF Whole Plant Generator and Automatic Transfer Switch Project – Carrick Contracting Corp.
Austin Marrs, P.E., Senior Civil Engineer*
- b. Presentation and Consider Vote to Approve: Award of Contract for Observatory Water Treatment Plant Hypochlorite Tank Replacements – Waco, Inc.
Dyon Vega, P.E., Civil Engineer*
- c. Presentation and Consider Vote to Approve: Award of Services Contract to Replace Granular Activated Carbon – Calgon Carbon
Daniel Campbell, Director of Operations and Environmental Services*
- d. Presentation: Major Capital Projects Construction Update
Scott Schiller, P.E., Engineering Manager*

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

11. CLOSED MEETING

12. ADJOURNMENT

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

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

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

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

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

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

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

Rev. September 7, 2022



1

RWSA BOARD OF DIRECTORS
Minutes of Regular Meeting
September 23, 2025

2 A regular meeting of the Rivanna Water and Sewer Authority (RWSA) Board of Directors
3 was held on Tuesday, September 23, 2025, at 2:24 p.m. at the Albemarle County Service
4 Authority, (1st Floor Conference Room), 168 Spotnap Road, Charlottesville, VA 22911.

5

6 **Board Members Present:** Mike Gaffney, Jeff Richardson, Sam Sanders, Ann Mallek, Brian
7 Pinkston, Quin Lunsford, Lauren Hildebrand.

8

Board Members Absent: None.

9

10 **Rivanna Staff Present:** Bill Mawyer, Dave Tungate, Lonnie Wood, Jennifer Whitaker,
11 Daniel Campbell, Michelle Simpson, Austin Marrs, Scott Schiller, Vicki Fort, Annie West,
12 Westley Kern, Jacob Woodson, Leah Beard, Deborah Anama, Jeff Southworth, Tanner
Wright, Katie Mellwee.

13

Attorney(s) Present Valerie Long.

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CALL TO ORDER

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Mr. Gaffney convened the September 23, 2025, regular meeting of the Board of Directors of the Rivanna Water and Sewer Authority at 2:24 p.m.

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AGENDA APPROVAL

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Mr. Pinkston moved that the Board of Directors approve the Agenda as presented. Ms. Mallek seconded the motion, which carried unanimously (7-0).

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MINUTES OF PREVIOUS BOARD MEETING ON AUGUST 26, 2025

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Ms. Mallek moved that the Board of Directors approve the minutes of the previous Board meeting on August 26, 2025. Mr. Pinkston seconded the motion, which carried unanimously (7-0).

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RECOGNITION

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There was none.

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EXECUTIVE DIRECTOR'S REPORT

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Mr. Mawyer stated that he would like to extend his congratulations to Betsy Nemeth, who announced her retirement in January 2026 after almost 10 years with Rivanna. He stated that they also celebrated National Information Technology Professionals Day in September with their team of eight IT professionals who managed over 700 devices, computers, and desktops,

31 plus over 80,000 supervisory control and data acquisition (SCADA) points and alarms. He
32 stated they appreciated the efforts of the IT team.

33 Mr. Mawyer stated he would also like to express his gratitude to Mr. Lunsford for hosting the
34 Rivanna Water and Sewer Authority at ACSA while they are renovating the Moores Creek
35 Administrative building. He stated they appreciated the hospitality and helpfulness of ACSA
36 staff.

37 Mr. Mawyer stated they had been successful in their strategic plan priority of communication
38 and collaboration recently. He stated they had five individuals make presentations at the
39 WaterJAM Conference in Virginia Beach. He stated their Director of Engineering and
40 Maintenance, Jennifer Whitaker, presented on their Capital Improvement Program (CIP). He
41 stated Scott Schiller, Engineering Manager, presented on the collaborative approach they took
42 to repair the Rivanna Pump Station with their consultants and contractors. He stated Austin
43 Marrs also presented, discussing the emergency repairs to the pump station, how they
44 maximized and optimized their water supply by switching operationally between the raw
45 water from the Rivanna and Ragged Mtn reservoirs, and how that would be facilitated once
46 they get the new connecting pipeline built. Mr. Mawyer stated Mr. Marrs also talked about
47 how they would optimize and only transfer water when it was clear and not full of mud and
48 nutrients. He stated that Daniel Campbell, Director of Operations and Environmental
49 Services, along with Cary Wingo, Assistant Water Manager, presented on plant renovations
50 and improvements they had made and how they were working towards sustainability and
51 optimizing infrastructure. He stated they appreciated all of them for making presentations at
52 the state conference held at this conference.

53 Mr. Mawyer stated recently they had community information sessions on the Ragged
54 Mountain Reservoir Pool Raise and at the Carver Recreation Center on the Central Water
55 Line projects with good attendance by the public. He stated they were participating with
56 ACSA and the City for the "Imagine A Day Without Water" art contest.

57 Mr. Mawyer stated that Bethany Houchens will speak at the Rivanna River Basin
58 Commission meeting tomorrow and talk about Rivanna's role in the area's water supply
59 program. He stated that they were monitoring the streams and reservoirs for drought
60 conditions in the area. He stated the federal map showed our area of Virginia in moderate
61 drought conditions. He stated the state map indicated a drought "watch" condition existed for
62 various localities. He stated that in the Middle James region, they were still within normal
63 limits for all four criteria: precipitation, groundwater levels, reservoir levels, and stream flow.
64 He stated the state used monitoring stations to monitor these conditions. For reservoir supply,
65 the state monitored Lake Moomaw located at the head of the James River. He stated when
66 monitoring groundwater, the state monitored wells in Buckingham County and the
67 Appomattox River near Farmville for stream flow. He stated for precipitation, the state
68 monitored state climatological data. He stated that although these stations were not in their
69 immediate area, they were the ones used by the state. Staff monitor the Charlottesville
70 Albemarle Airport rain gauge for local precipitation information.

71 Mr. Mawyer stated they were closely monitoring local stream flows and reporting on the
72 various rivers, stream flows, and reservoir levels. He stated that the South Rivanna Reservoir

73 was their key reservoir, and it was still overflowing, indicating the water supply was in good
74 condition. He stated that the urban reservoirs had 96% usable capacity, with Ragged
75 Mountain below full and Sugar Hollow below full, but Beaver Creek, Totier Creek, and South
76 Rivanna were still overflowing.

77 Mr. Mawyer stated they had been in communication with the Regional Rivanna Drought
78 Committee, which included representatives from the City, County, ACSA, and RWSA to alert
79 the group on the dry conditions in August and September. He stated they were monitoring
80 stream and reservoir levels, and the overflow at South Rivanna Reservoir was currently about
81 two inches. He stated they hoped to receive rain this week. He stated they were also
82 celebrating Source Water Protection as they worked to protect their reservoirs, collaborating
83 with the County.

84 Mr. Mawyer stated that regarding planning and infrastructure, the Moores Creek facility was a
85 major construction area. He stated the concrete stairs, sidewalks, and paving in the front of the
86 Administration building had been removed. He stated that temporary trailers were now in
87 place, and they were being upfitted with electric, communication cabling, and office
88 equipment. He stated they expected to move into these trailers within four weeks.

89 Mr. Mawyer stated that they also had the South Rivanna River Crossing project ongoing,
90 which involved installing HDPE pipe currently staged along Woodburn Road. He stated that
91 once the hole under the river was reamed to the final size, the pipe would be pulled through.
92 He stated the Ragged Mountain Reservoir to Observatory Water Treatment Plant Project had
93 clearing and pipe installation on Observatory Mountain ongoing. He stated they had been
94 successful in meeting the schedules over the summer that UVA requested.

95 Mr. Mawyer stated they had cleared the site on Reservoir Road for the new pump station,
96 which would transfer water from Rivanna Reservoir to Ragged Mountain Reservoir, and has
97 the capability of pumping water from Ragged Mountain Reservoir to South Rivanna WTP,
98 while also pumping water to the Observatory Treatment Plant. He stated this multi-directional
99 facility was being built on the parcel they purchased from the UVA Foundation.

100 Mr. Mawyer stated that renovations to the maintenance storage facility, formerly known as
101 the compost shed, included painting the beams and columns. He stated that once painting
102 renovations were completed, a new roof would be installed. The Central Water Line Phase 1
103 would be starting on Lewis Street, installing the new waterline on Lewis, Price, and Piedmont
104 streets on its way to Observatory Mountain. He stated this work was planned to be completed
105 over Christmas break.

106 Mr. Mawyer stated they would excavate a bore and jack pit at the end of Lewis Street, which
107 would allow them to install the waterline under the railroad track, and then parallel the track
108 up to JPA. He stated this work would be underway soon as soon as pipe was delivered.

109 Ms. Mallek stated that Mr. Mawyer had taken care of her concerns about the drought water
110 reporting, which she had noticed could vary significantly between the airport and her home,
111 just five miles away, often a radical difference. She stated she had asked Mr. Mawyer to
112 consider the possibility of improving the reporting throughout their area by establishing a

113 similar reporting contract with Stream Watch's certified analysis for our streams. She stated
114 she believed this would be beneficial for Rivanna and the community at large, as it would
115 provide a better understanding of the real drought situation. Ms. Mallek stated that the issue
116 was that the data from Goochland was not comparable to their environment, and they were
117 not getting a comprehensive picture. She stated for example, they had only received one-tenth
118 of an inch of rainfall in northwestern Earlysville over the past six weeks, which was not
119 reflected in other reports. She stated it was not that anyone was doing anything wrong; it was
120 just that they needed more detailed information. She stated that Lake Moomaw was a whole
121 different world compared to Albemarle's local water conditions.

122 Mr. Mawyer stated that was why they closely monitored local water supply facilities.

123 Ms. Mallek asked if Mr. Mawyer had any update on the Rio Mills gates.

124 Mr. Mawyer stated that as part of their South Rivanna Crossing project on Old Rio Mills
125 Road, there was a gate at the end of that road and Faulconer, their contractor, had been going
126 through it for work. Faulconer assured them that they were closing it every night, but they
127 were going to make sure that it was secure. He stated they had noted that there was a latch,
128 but not a lock. He stated that they were getting in touch with the County to try to determine
129 who owned the gate and whether they could install a lock without causing any issues.

130 Ms. Mallek stated she was also concerned about this issue, as she had noticed the gate was
131 often left open overnight, and it had become an open invitation for people to dump their
132 unwanted items, such as couches or washing machines, into the area. She stated that
133 previously dumping here resulted in significant costs for residents and backhoe services, as
134 well as wasted Saturday mornings spent cleaning up the site. She stated she did not want it to
135 happen again simply because they were not taking the necessary steps to secure the gate.

136 Mr. Mawyer stated that they were working on solving that issue.

137 Ms. Mallek stated that she greatly appreciated it.

138 Mr. Mawyer added that at their last meeting, Ms. Houchens had discussed their algae
139 treatments, including SeClear which was a copper sulfate based product. He stated they did
140 not conduct tests on the raw water to determine if it contained copper, but they did test the
141 treated water. He stated the test results indicated there were nondetectable copper levels in the
142 finished water. There was also testing for copper from household faucets to assess whether
143 copper was leaching from house plumbing pipes into the water.

144 Mr. Mawyer stated they had several projects planned to install hypolimnetic oxygenation
145 systems at Rivanna, Ragged Mountain, and Beaver Creek reservoirs over the next five years.
146 He stated these systems would reduce nutrient levels, resulting in decreased algae growth and
147 reduced the need for treatment.

148 ***ITEMS FROM THE PUBLIC***

149 *Matters Not Listed for Public Hearing on the Agenda*

150 Ms. Dede Smith, resident of the City of Charlottesville, stated that she wanted to thank
151 everyone for attending the meeting at Carver and Michelle for her excellent presentation. She
152 stated that as she said at the meeting, her one criticism of that presentation was that it seemed
153 to avoid discussing the elephant in the room, which was the rock. She stated that as they had
154 predicted, there would be four of the five miles that would likely encounter solid rock. She
155 stated that someone spoke to that point that night, which was helpful, and explained that they
156 could bore through the rock, and they found 15 to 16 locations where they knew it will
157 happen, but it could be just a foot away from the boring process and still contain solid rock.

158 Ms. Smith stated what she found interesting was that a City resident who lived off 6th Street,
159 which was on the route, had already experienced the construction of Kindewood and noted
160 that they had found rock during that project. She stated she thought it would be worth
161 discussing that with the folks at Kindewood to learn more about what they experienced. She
162 stated that additionally, a former mayor, whose daughter lived off that route, was shocked by
163 the scope of the project and expressed surprise that the City allowed this to happen. She stated
164 she had no idea this was happening and was particularly concerned about the legacy of this
165 project.

166 Ms. Smith stated she thought there was a bit of confusion when announcements go out about
167 some of Rivanna's projects like Fontaine, Rivanna Crossing, and Reservoir Road. She stated
168 that Michael Payne, who was present at the meeting, mentioned that people had no idea this
169 was coming. She stated that she thought it was sad that this was the state of things and that it
170 would impact the legacy of the project and the RWSA Board. She stated that however, she
171 appreciated everyone for being at the community meeting. She asked the Board to please
172 continue trying to let people know about the project. She stated that there was a feeling that
173 the news media was not providing all the necessary information. She stated that this was not
174 the fault of Rivanna, as they had great PR, but it may not be reaching as far as necessary for
175 the community.

176 ***RESPONSES TO PUBLIC COMMENTS***

177 Mr. Mawyer stated that they were very appreciative of the comments about potential rock and
178 were aware that there could be rock along the alignment of the new pipe. He stated they had a
179 rock clause in the construction contract, and most of their underground piping projects
180 encountered rock, so it was not a new challenge for RWSA staff. He stated there were several
181 techniques that the contractor could use outside of blasting. He stated that in fact, blasting was
182 not allowed in the City without approval from City Council, and they were confident that their
183 contractor would be able to find a technique that worked satisfactorily. He stated that it may
184 not be easy, but they would get the rock removed and the pipes installed.

185 **CONSENT AGENDA**

186 *Staff Report on Finance*

187 *Staff Report on Operations*

188 *Staff Report on CIP Projects*

189 *Staff Report on Administration and Communications*

190 *Staff Report on Wholesale Metering*

191 *Staff Report on Drought Monitoring*

192 **Mr. Pinkston moved that the Board of Directors approve the Consent Agenda. Ms.**
193 **Mallek seconded the motion, which carried unanimously (7-0).**

194 **OTHER BUSINESS**

195 *Presentation and Consider Vote to Approve: An Amendment to the FY 26-30 CIP and Award*
196 *of Construction Contract for the Crozet Water Treatment Plant GAC Expansion – English*
197 *Construction Company*

198 *Victoria Fort, P.E., Senior Civil Engineer*

199 Ms. Fort stated that she was the project manager for the Crozet Water Treatment Plant
200 Granular Activated Carbon (GAC) Expansion Project, and she would like to discuss the
201 proposed CIP project and construction. She stated the picture shown was a view of the Crozet
202 Water Treatment Plant as seen looking south from Three Notch'd Road. She stated she would
203 first give an overview of the site and then she would discuss the project in general.

204 Ms. Fort stated that the site included the existing filter building, backwash storage tank, one
205 storage building that would remain, one storage building that would be demolished, the
206 existing GAC building, the ground storage tank, the finished water pump station, the residual
207 waste tank and lagoon, and the concrete clearwells which would be demolished.

208 Ms. Fort explained that the project entailed the demolition of the storage building to the west
209 and the replacement of that facility with a new granular activated carbon facility. She stated
210 they needed to add two more GAC contactors to increase the treatment capacity for GAC to
211 match the full treatment capacity of the plant, which was currently 2.75 million gallons per
212 day.

213 Ms. Fort stated that they were also going to construct a new concrete clearwell adjacent to the
214 existing one to replace two undersized clearwells next to the filter building. She stated they
215 would also put in a new backwash supply pipeline to augment the storage in the existing
216 Crozet water ball and replace all the tank valves. She stated that additionally, they would
217 perform some site piping and fencing modifications, paving, and other miscellaneous work
218 associated with the project. She stated that with the Board's consent, they planned to award

the contract to English Construction Company of Lynchburg, Virginia, in the amount of \$9,920,000.

Ms. Fort stated that she would provide more information on the new GAC facility. She stated that looking at the picture on the bottom left, this was from Three Notch'd Road, looking at the existing GAC building. She stated that the new building would sit behind that building, and would be a 3,040 square foot pre-engineered building with the same finishes and red metal exterior. She stated that it would have removable windows, allowing for easy equipment installation and removal.

Ms. Fort stated that the new building would be a few feet taller than the existing one, but it should not be noticeable from the road. She stated that inside the building, they would have two new 40,000-pound GAC contactors, increasing their GAC treatment capacity from 1 million gallons per day to the full treatment capacity of the plant. She stated that they would also replace the undersized clearwell tanks, demolishing the two small tanks next to the filter building and replacing them with a larger clearwell.

Ms. Fort stated that the new GAC building was shown in blue on the drawing, and the new clearwell was shown in red, serving as the suction side storage for the existing and new pumps. She stated that a significant portion of this project was being funded through the Emerging Contaminants Removal Grant Program, part of the bipartisan infrastructure law. She stated that they were awarded funds in 2022, 2023, and 2025, totaling \$7.24 million. She stated they would apply these funds towards this project.

Ms. Fort stated that the CIP budget was \$10.12 million. She stated that they received three bids on August 7, 2025, ranging from \$9,920,000 to \$11,722,000, with the lowest bid from English Construction Company. She stated that those bids were above their engineer's estimate, and they would revise their CIP budget to \$12.165 million. She stated that their intended construction schedule was to start in March and take about two years to complete with a planned completion date of May 2028.

Ms. Mallek asked if the FY 2025 grant money was in the bank.

Mr. Mawyer stated that this was a reimbursable grant. After the contractor completed work and submitted a bill to Rivanna, they would send a reimbursement request to the state and the state would reimburse Rivanna.

Mr. Pinkston moved that the Board of Directors amend the FY26-30 CIP, increasing the budget by \$2,045,000 and authorize the Executive Director to enter into a construction contract with English Construction Company for a total of \$9,920,000 and to approve change orders to the construction contract necessary for the completion of the work, not to exceed 10% of the original construction contract. Ms. Mallek seconded the motion, which carried unanimously (7-0).

255 *Presentation and Consider Vote to Approve: An Amendment to the FY26-30 CIP and Award*
256 *of Construction Contract for the Interceptor Sewer & Manhole Repairs (Phase 2) – Vortex*
257 *Services, LLC*

258 *Austin Marrs, P.E., Senior Civil Engineer*

259 Mr. Marrs stated that he would present to the Board a request for a CIP amendment and
260 construction contract award. He stated that this project pertained to their interceptor sewer and
261 manhole repair program.

262 Mr. Marrs stated that this project was part of their ongoing efforts to maintain their
263 wastewater infrastructure system. He stated that the main effort in this particular contract
264 would be a process called "cured in place" pipelining. He stated that for those unfamiliar with
265 the process, it was essentially installation of a new pipe within the existing pipe. He stated
266 that a felt-like material, often appearing like a "sock," was blown through an existing host
267 pipe, containing a resin that was either heated via water or steam or exposed to UV light to
268 cure. He stated that this resin formed a self-sufficient plastic pipe inside the existing sewer
269 pipe, sealing off any defects and renewing the infrastructure for approximately 50 years.

270 Mr. Marrs stated that this process was beneficial as it eliminated the need to excavate the
271 sewer, which was a cost savings and minimized disruption to the public. He stated that in
272 addition to pipelining, they would also complete a significant amount of manhole coating,
273 which would seal off more inflow and infiltration of groundwater into the sewer system. He
274 stated that the scope of work for this project had been developed by using a closed circuit TV
275 camera to evaluate the internal condition of the existing pipes along with manhole inspection
276 data from the RWSA Maintenance Department.

277 Mr. Marrs stated that for this project, they recommended awarding the contract to Vortex
278 Services LLC, formerly Tri-State Utilities, in a contract amount of \$1,439,440. He stated that
279 the project would involve lining approximately 7,000 linear feet of sewer piping with sizes
280 ranging from 8 inches to 30 inches in diameter. He stated that they would also be coating 21
281 manholes and cleaning and inspecting 12,000 linear feet of sewer pipe. He stated that the
282 budget for this project was currently \$1,492,000, but they were requesting a total CIP budget
283 of \$2,185,000 to complete the desired quantity of sewer pipe and manhole rehabilitation.

284 Mr. Marrs stated that the work was expected to begin in December of this year and would be
285 completed by June of 2027. He stated that the final slide showed an example of a coated
286 manhole. He stated that a couple of details regarding the budget were worth noting. He stated
287 that they had spent approximately \$350,000 to date through previous rehabilitations and
288 condition assessment work. He stated that the engineering design cost was \$35,000 to scope
289 and prepare the project for bidding. He stated that the construction contract was \$1,439,440,
290 with a 10% normal contingency that they typically included in their contracts.

291 Mr. Marrs stated that additionally, they had budgeted an extra \$216,000 for construction
292 administration and inspection. He stated that when they totaled all these costs, they got to the
293 \$2,185,000 total budget needed. He stated that the existing budget of \$1,492,000 was
294 subtracted from that, leaving an amendment of \$693,000 necessary. He stated that this

amendment was required to complete the project. He stated that staff requested the Board to amend the CIP and to authorize the Executive Director to award the contract for construction.

Mr. Gaffney stated that he wanted to recognize Rivanna leadership in addressing these repairs. He stated that 20 years ago, they were under a consent order due to the state of disrepair, and it required significant investment and effort to bring them to where they were today. He stated that now, they were running ahead of schedule, and it was truly commendable to staff and the Board for their hard work and dedication in achieving these accomplishments.

Ms. Mallek stated that regarding the emerging chemicals work that Rivanna was undertaking, other communities were perplexed by the challenges they were facing, and she thought the different approach this Board took 10 years ago really put them ahead of the curve. She stated that it was striking to note how far ahead they are, and how many of the issues those communities faced, including a \$20 million expenditure and restart, could have been avoided if they had utilized the GAC from the beginning. She stated that it was a hard lesson to learn, but one that highlighted the importance of proactive planning and decision-making.

Mr. Mawyer stated that he would like to highlight the two significant benefits of sewer rehabilitation. He stated that firstly, by maintaining these pipes in good condition and keeping stormwater out, they reduced the amount of water that needed to be treated at the Moores Creek, Glenmore, and Scottsville plants. He stated that secondly, this proactive approach allowed them to provide a more reliable response to development inquiries, as they had more available capacity due to the reduced impact of rainwater using the capacity of their wastewater piping and treatment facilities. He stated that this was an impressive two-fold benefit of maintaining a progressive sewer rehabilitation program.

Mr. Pinkston moved that the Board of Directors amend the FY26-30 CIP for the Interceptor Sewer-MH Repair Project (Phase 2) to increase the budget by \$693,000 to a total budget of \$2,185,000, and authorize the Executive Director to award a construction contract to Vortex Services, LLC for a total amount of \$1,439,440 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract amount. Ms. Mallek seconded the motion, which carried unanimously (7-0).

Presentation and Consider Vote to Approve: Financial Update; Year-end Results

Stephanie Deal, CPA, Finance Manager

Ms. Deal stated that she would present the financial update for the year-end of Fiscal Year 2025 (July 1, 2024 – June 30, 2025). She stated that this would include the year-end results, the operating and working capital targets, and the disposition of rates and results. She would ask for the Board's approval of the fund transfers from reserves to balance cost center accounts, as they historically did. She stated that they had a small cash deficit of \$278,169 for the year. She stated that this deficit was comprised of an expense overage of 1.2% in their expense budget, but they were fortunate to have an overage in their revenues, approximately

\$1 million, which helped offset the overage. She stated that their total deficit was only approximately 0.5% of their total revenue budget.

Ms. Deal stated that the next series of data pertained to their working capital results for Fiscal Year 2025. She stated that their policy required that they maintain 60 days of their total annual budget in reserve for monthly cash flow needs. She stated that in FY 2025, their 60-day target was \$9,063,353, and their year-end cash balance was \$8,790,000, resulting in a deficit of \$362,453.

Ms. Deal stated that next, she would outline the operating budget versus actual results. She stated that this section highlighted the notable items with variances. She stated that their primary source of revenue was the \$800,000 for operating rates, which was a plus in their revenue column, in addition to interest income and other line items. She stated that this totaled \$999,000. She stated that this was the operating component. She stated that the expenses as outlined included an engineering overage of \$186,000, legal and financial consultants at \$147,000, pipeline repairs at \$343,000, chemicals at \$296,000, instrumentation at \$140,000, and building and grounds at \$183,000. She stated that they also had a positive line item for expense adjustments, which meant they did not exceed those amounts. However, the total expense deficit was \$1,214,528.

Ms. Deal stated that their target calculation was dealing with their working capital budget. She stated that each year, they calculated how much they needed to have in their operating cash flow based on the 60-day rule. She stated that for FY 2026, the 60-day cash target was \$10,530,265, which resulted in a target change of approximately \$1.467 million. She stated that the operational cash adjustment needed was made up of two pieces: the deficit from their original calculation for FY 2025 and the FY 2026 target change, totaling \$1,829,500.

Ms. Deal stated that they also provided the reserve balances. She stated that after the audit, they reconciled with the rate centers to ensure each center's funds were kept in their proper account. She stated that this was where they were making the adjustment of \$1.8 million from each discretionary reserve fund into the operating fund. She stated that she also provided the historical view of the disposition of rate center results, requesting \$1.8 million for this year and prior years for historical reference. She stated that staff were asking the Board to approve a fund transfer for FY 2025 based on the ending results outlined in the report.

Mr. Mawyer asked how much money would be left in their reserve after the transfer.

Ms. Deal stated that after the fund transfer, they would have approximately \$36,245,000.

Mr. Lunsford asked how that compared to the FY 24 balance.

Ms. Deal stated that she could provide that as a follow-up.

Mr. Gaffney asked if any money came out of the reserves other than what was transferred at the end of each fiscal year.

Ms. Deal stated they did make capital transfers on a monthly basis.

Mr. Gaffney stated that it would be helpful in a future Board meeting if they could review again what the financial markets consider when evaluating their income and balance sheet, including the 60-day reserve requirement. He stated that specifically, he would like to clarify why a 60-day reserve of \$10 million was their current approach.

Mr. Wood stated that when pursuing a bond issue, one of the main things the bond agencies considered was our ability to pay for the debt with our net revenue. He stated that this was called a debt service ratio. He stated that their target was 1.5, which meant for every dollar of expense, they wanted to have \$1.50 of revenue. He stated that this was one of the main factors considered by the bond agencies. He stated that our budget includes debt service as an expense to offset revenue. In the real world, the repayment of principal is not considered an expense. Including debt service as an expense helps to meet the 1.5 debt service ratio.

Mr. Wood stated that they also looked at their liquidity, which was about \$33 million. He stated that their financial advisors targeted 20% of cash to be on hand for working capital purposes, and they were at 16%, so slightly below that target. He stated that another target was to have 145 days of service on hand. He stated that he could not calculate this right now, but that was one of the other targets. He stated that it was about liquidity and their ability to pay with net revenue.

Ms. Mallek stated that she was wondering if there was a formula or a specific method used to categorize and display the different buckets and accounts. She asked if it was based on gallons provided or some other approach used amongst the different categories.

Mr. Wood stated that they were allocated based on adopted budgets for the six rate centers. He stated they took the total budget and allocated it to each of those rate centers individually, determining a new target for each one.

Mr. Richardson stated that Mr. Mawyer had earlier acknowledged their staff who presented at the WaterJAM Conference. He asked if that was a state-wide conference.

Mr. Mawyer stated that was correct. He stated this conference was the joint annual meeting held by the Virginia Section of the American Water Works Association and of the Virginia Water Environment Association.

Mr. Richardson stated that he was very impressed with Rivanna's staff for doing good work locally and explaining that work to regional and statewide groups. He stated that he really wanted to applaud staff for being invited to present and share with other organizations, because this was hard work, and he was glad they were being recognized.

Mr. Gaffney stated that a number of years ago, Rivanna set a goal of being a good example to the rest of the country in what we do and staff has made it happen.

Ms. Mallek moved that the Board of Directors authorize the transfer of funds from the respective service reserves, specifically for Fiscal Year 2025, from the operations account as included in the staff report, for a total of \$1,829,500. Mr. Pinkston seconded the motion, which carried unanimously (7-0).

409 ***(Reconvene RSWA in a Combined Session with RWSA)***

410 *Presentation: Education Center Progress Report*

411 *Jennifer Whitaker, P.E., Director of Engineering and Maintenance*

412 Ms. Whitaker stated she would discuss the status of the new Education Center component to
413 be constructed and created as part of the Administrative building renovation and addition
414 project. She stated the Education Center process began in late 2023, as they were working on
415 the new Administration Building design. She stated that there were several points at which
416 they paused the building design and reconfigured it to better accommodate the Education
417 Center.

418 Ms. Whitaker stated that they transitioned from a planning process, which involved capturing
419 the mission, scope and big ideas for the Education Center. She stated they wanted to convey
420 to their community and visitors who the Rivanna Authorities were and how they interacted
421 with the greater Charlottesville area. She stated that to achieve this, they formed a committee
422 and worked with a company called PRD, which specialized in museum curation and
423 education center design.

424 Ms. Whitaker explained that PRD guided them through the process, helping staff move from
425 conceptual ideas to concrete design development, and into the final design phase, where they
426 will refine the physical layout of the facility. She stated that as she walked the Board through
427 the information today, she would ask that they please keep in mind that some of the work had
428 already progressed beyond what she was showing today.

429 Ms. Whitaker stated that they had the building layout for the new administrative building. She
430 stated that the Educational Center would be a two-story component within the building, and as
431 they moved to the schematic view, the Board could see the entrance to the building at the top
432 of the cutaway. She stated that visitors would enter the building through the lobby and then
433 turn right into the educational center.

434 Ms. Whitaker stated that they could make a counterclockwise rotation through the center of
435 the education area, potentially visiting the classroom space, which could be used as a wet lab
436 for demonstration projects and educational events. She stated that the space was also equipped
437 with public bathrooms, making it suitable for holding events and educational programs. She
438 stated they had to come up with a concept plan early on, identifying the key elements that
439 were important to their organization.

440 Ms. Whitaker stated that first and foremost, they wanted to create a welcoming space that
441 would make visitors feel at ease. She stated that the lobby space served as a welcome area, not
442 only for the Educational Center but also for the building and its functions. She stated that
443 upon entering the education center, the second space was the “past and present” space, which
444 would tell the story of how the RWSA and RSWA came to be and some of the historically
445 significant events.

446 Ms. Whitaker stated that the third space was about water science, represented by the green
447 area that flowed through the center and along the edges. She stated that much of their work

448 focused on drinking water and its impact on their community, including how it moved
449 through their community and was treated for the betterment of the community. She stated that
450 they wanted to highlight this aspect. She stated that they also had a visual representation of
451 the organizations and their offerings as visitors left the educational center. She stated that as
452 she mentioned, they had the instructional space, a wet lab/classroom which would provide
453 hands-on learning experiences.

454 Ms. Whitaker stated that as they progressed through the design process, they brought in
455 experts to discuss typography, color, and overall aesthetics. She stated that they explored
456 whether they wanted the center to be playful, serious, or educational, and targeted specific
457 grade levels and audiences. She stated that a graphic specialist helped articulate their vision
458 through simple design, incorporating water and piping systems into the iconography. She
459 stated that they also discussed exhibit materials, considering touch, smell, and visual
460 representation, particularly for school-aged children.

461 Ms. Whitaker stated that while the designs were conceptual at this stage, they generally had
462 designed the layout so that when someone entered the lobby, one would see their reception
463 desk to the left and the welcome sign immediately in front, with a wave-like water action
464 design. She stated on the right-hand side, there was a graphic explaining why water mattered,
465 including its uses. She stated that through the glass doors was the Educational Center. She
466 stated that there was the past and present section, which featured Holsinger photographs and
467 information about the dams built in the 1880s, as well as pertinent local historical
468 information.

469 Ms. Whitaker stated this space offered opportunities to discuss the significance of water in
470 their community and its relevance to their current work. She stated that as one continued
471 through the facility, one would notice a large map on the wall in front, which displayed the
472 location of their facilities, their interconnections, and how they tied into their community.

473 Ms. Whitaker stated the next section was their water science section. She stated this space was
474 made up of three separate kiosks with hands-on activities, and the ceiling featured clouds,
475 lighting, and colors. She stated that also, because it was two stories tall, visitors on the second
476 floor could look down into the Education Center through windows, adding interest to the
477 space. She stated the three kiosks focused on the water cycle, watersheds, topography, and
478 water testing. She stated that the water cycle was tied to the current sixth-grade science
479 educational standards, and students would be able to learn through hands-on activities.

480 Ms. Whitaker stated that they would also discuss water testing, both theoretically and through
481 physical tests at the kiosk. She stated that the next portion of the exhibit was the stewardship
482 wall, which explored how community members could be part of preserving water resources.
483 She stated that big-picture concepts would be visible from across the room. She stated that
484 however there were hands-on activities that discussed topics such as trash and recycling how
485 to save water, as well as fighting pollution.

486 Ms. Whitaker stated an inset would highlight some of their key working partners. She stated
487 that it would be a pipe wall with different cross-sections of pipes that would stand out from

the wall, allowing visitors to see who some of their key partners were. She stated that these displays were three-dimensional, making them approachable by both adults and children.

Ms. Whitaker stated on the back wall was the entrance to the educational space, and the pipes on the wall would feature their largest and smallest diameter pipelines in the system. She stated that these pipes were designed to be impressive, with some being half or three-quarters of a person's height, making them a striking feature of the space. She stated in addition to the water and wastewater treatment processes, they would also have a visual representation of the water flowing from the reservoirs to their homes and back into the river.

Ms. Whitaker stated that the exhibit in the middle of the room would be sliding screens, where the graphics would change as you slid the monitor from left to right, highlighting individual processes involved in both the water treatment and wastewater sides. She stated this interactive display would allow visitors to see staff performing activities such as flocculation and sedimentation, and learn more about water sources, conservation, and other related topics.

Ms. Whitaker stated the next section was about how water was used, which explored how water fits into their community, including its use for recreation, water and sewer services, and supporting various industries such as hospitals, manufacturing, and agriculture. She stated this section would also provide context for activities like fishing, agriculture, and livestock, helping visitors understand the broader impact of water uses in their community. She stated the final section was their "Future" section, which aimed to leave a lasting impression on visitors and provide an overview of their organization's work and goals. Ms. Whitaker stated they had decided to make the latter section larger and the adjoining section smaller, allowing them to highlight some of the exciting work being done.

Mr. Gaffney stated that he wanted to suggest that it would be particularly impactful to include the whole 50 years of Rivanna history, including Jim Carpenter's photo of Sugar Hollow Reservoir when it was mud. He stated that image would help to contextualize their work over the past 30 years, highlighting the construction of reservoirs and pipes, and providing a visual representation of their progress.

Mr. Lunsford stated that the way this was coming together looked phenomenal. He stated he thought the potential for Rivanna and others to use this space to inspire the next generation of water and wastewater, solid waste management professionals was there. He stated he was not sure if there was a way to build enthusiasm around the available careers in this field, but he thought that should be a consideration.

Mr. Gaffney stated that maybe that could be part of the "future" section.

Ms. Whitaker stated and she thought their intention was to convey that through photography. She stated for example, in the water treatment section, they wanted to show how the different roles and tasks were performed, so that as one looked at the images, they could see a mechanic, an operator, and others doing their respective jobs, and that helped to highlight the various aspects of the process.

Mr. Richardson asked if there was any private sector funding involved in this education center, or if it was all public funding.

Mr. Mawyer stated the public water and wastewater customers in the community were currently funding it, but they were exploring opportunities with private funding. He stated for instance, organizations like Dominion Energy sponsored exhibits at the Science Museum of Virginia. He stated they planned to pursue those types of partnerships.

Mr. Richardson stated that he would love for the staff to feel empowered to explore public-private partnerships, even potentially a naming opportunity for the education center. He stated that he would encourage staff to look for things like that. Mr. Mawyer stated that Mr. Gaffney had suggested several months ago that they should explore sponsorship opportunities.

He stated that they visited the Loudoun Water education center recently and got a lot of good ideas. He stated that the Loudoun education center had been in place for about 15 years and was busy all the time providing tours.

Ms. Whitaker stated that additionally, frequently when school groups visited, including college-age students, staff took them on a guided tour around the wastewater plant. She stated they were also creating signage that would be placed around the plant, forming a guided tour of the site.

Presentation: Rivanna Websites

Westley Kern, Communications and Outreach Coordinator

Mr. Kern stated that his presentation was not nearly as serious or hard-hitting as some of the others presented to the Board today, but that the Authorities' website and communication efforts held a lot of weight in how the public viewed the organization. He stated that he would talk about what they have completed over the last year and a half. He explained that the website project started with their Strategic Plan in 2023. He stated that they refreshed the plan, and in it, they identified five key priorities.

Mr. Kern stated that this project really hit on two of those priorities, the first being Communication and Collaboration, which places the Authority in the forefront of people's minds. He stated that the website was one of the first areas that interested parties look to when learning about each authority. He stated that the other priority focused on Optimization and Resiliency, aiming to improve efficiencies while modernizing how individuals interacted in the digital realm.

Mr. Kern stated that the website was at the forefront of this ambition. He stated that however, before they dove into the story, they needed to see where they were. He noted that their website had really evolved over the years, and he had put together some screenshots of what it had looked like in the past, including the most recent version. He stated that he thought it was essential to look at the dates on the screen. He stated that it had been about a decade since they last updated the website, and one must consider how technology has evolved since then.

Mr. Kern stated that the peak of the Blackberry period was around 2011, and that marked the start of people using touchscreen smartphones to access the internet. He stated that at that point in time, they had just updated their website, which was mobile-friendly, but not to the point where the market was going. He stated that looking at the Strategic Plan of 2023, they took the time to think about how to make the website better for mobile users.

Mr. Kern stated that last year, the team at Rivanna put together an RFP to solicit proposals from outside agencies. He stated that they ultimately selected Red Orange Studio, who had a good track record. He stated that they were looking for three things in the proposals: they wanted to easily share information on their new website; they aimed to provide favorable user experience; and they wanted to collect backend data, seeing how people used their website helped them develop it as needs changed in the organization.

Mr. Kern stated that in June 2024, their team, led by Ms. Nemeth and Mr. Southworth, started laying the groundwork and working with the contractor. He stated that they provided basic graphics and formulated how they wanted the new website to look. He stated that he had provided a few screenshots from the chats during this process. He stated that they could see in the center of the screen that they were focusing on the layout and how visitors would navigate the new website. He stated that they wanted to make it easier for the end-user to find what they needed and to make it a seamless and positive experience.

Mr. Kern stated that on July 8, 2025, they launched the new website. He stated that he had provided three screenshots of what it looked like. He stated that the most notable difference from their old website to the new one was the separation of Authorities. He explained that the old website had both Authorities combined, making it difficult to navigate. He stated that by separating them out, it would make it easier to find information. He stated that they also made the website more mobile-friendly, with cascading tile sheets. This helps it display more nicely over a variety of platforms.

Mr. Kern stated that the new website also came with some new features, including search engine optimization. He stated this helped the website populate better in Google search results. He stated that they could add metadata, which allowed them to include descriptive keywords and information, so that when someone searched for something, it would populate more prominently in the search results. He stated that another key advantage was that they could see data on the back end. He stated that for rivannawater.org, they had just over 1,400 unique visits to the website, and that many of their visitors had come multiple times.

Mr. Kern stated that they also had information about desktop versus mobile access. He stated that on the water and sewer side, it was evident that about two-thirds of users accessed it from a desktop computer or laptop, while a third accessed it from a mobile device. He stated that mobile access was a significant portion, and it was interesting to note that when they brought in solid waste numbers, total mobile users jumped substantially. He stated that this helped justify the importance of having the Authorities on separate domains.

Mr. Kern stated that 4,000 people had no interest in water and sewer; they were instead looking for solid waste information. He stated that with this breakdown of information, they could begin to understand what was different about these two groups of clientele. He stated

that a lot of people who were bringing trash, construction debris, or waste out to Ivy, were most likely not sitting in front of a computer; but instead working out in the field.

Mr. Kern stated that having that mobile aspect really helped those individuals access information remotely. The ease of obtaining information quickly allows end-users to make informed decisions that can translate to an increased use of our facilities. He stated that next, he would briefly review the most popular pages on the websites, which helped them develop an understanding of where people were going.

Mr. Kern stated that they had a couple of traffic peaks in August. When looking at these numbers he could begin to correlate other potential communication channels that were driving traffic back to the website. He stated that if they looked at the bottom chart, they could see how external forces really drove interest and they were able to measure that on the back end. He stated that with the upper chart, they could see the same effect. He stated that when they did a press release and the news outlets covered it, they could see views jump on the website.

Mr. Kern stated that something interesting about the timing was that if they had a press release on a Friday, the news outlets would not cover it until the following week. He stated that they could see those delays in the web traffic. He stated that moving forward, this data could help with studying alternative communication efforts. He stated that they had started using a service called Email Octopus, which was a customer relationship management (CRM) tool that allowed them to compile email addresses into neat databases.

Mr. Kern stated that a convenience associated with the service was the ability for third parties, mainly the public, to sign up for newsletters which served their interests. The new CRM automatically manages subscription services, enabling Rivanna to segment the subscriptions when sending topic specific messages. He stated that while the website was great for providing general information, the public could receive the information directly into their inbox. He stated that this was a huge plus for Rivanna because prior to this, they were keeping email addresses in Excel databases, which had become time-consuming and difficult to manage.

Mr. Kern stated that with this platform, they could have multiple logins and send emails to multiple people, making it a nice central location to work from. He stated that members of the board had already received press releases and other materials via this platform. He stated that in addition to these conveniences, they also had metrics on the back end that they could measure, such as how many people opened the email, which items were clicked, and how many people unsubscribed. He stated that with this information it was providing insights into whether the messaging was engaging, relevant, and/or if there was room for improvement.

Mr. Kern stated that in summary, they had made some significant leaps over the last year and a half, and they had really stepped up their mobile interfacing, trying to bridge the gap where folks in the field could access information quickly and easily. He stated that they had a ton of new data metrics on the back end, which would help them improve future developments. He stated that he was really excited to see what else they could tie into the site.

645 Mr. Gaffney stated that Mr. Kern and his team had done a great job of creating a great new
646 face for the Rivanna Authorities. He stated that they greatly appreciated it.

647 ***OTHER ITEMS FROM BOARD/STAFF NOT ON THE AGENDA***

648 There were none.

649 ***CLOSED MEETING***

650 There was no reason for a closed meeting.

651 ***ADJOURNMENT***

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



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: OCTOBER 28, 2025

STRATEGIC PLAN PRIORITY: EMPLOYEE DEVELOPMENT

Congratulations to George Cheape, Safety Manager, for completing the requirements and earning his certification as a trainer for OSHA 10 and OSHA 30 classes. George will provide training for our staff in occupational safety and health classes such as Confined Space Entry training.

The professional qualifications of our staff continue to improve and enhance our services. We congratulate the following employees for successfully completing OSHA 30 professional certification requirements:

- Troy Grable, OSHA 30 Construction
- David Heintges, OSHA 30 Construction
- Perry Herring, OSHA 30 Construction
- Tyrone Hughes, OSHA 30 Construction
- David Jeffries, OSHA 30 General Industry
- Hayden Johnson, OSHA 30 Construction
- Kenny Lawhorne, OSHA 30 Construction
- Rich McElfresh, OSHA 30 Construction
- Maurice Whitlow, OSHA 30 Construction

STRATEGIC PLAN PRIORITY: COMMUNICATION AND COLLABORATION

Neighborhood Meeting, Central Water Line Construction Project

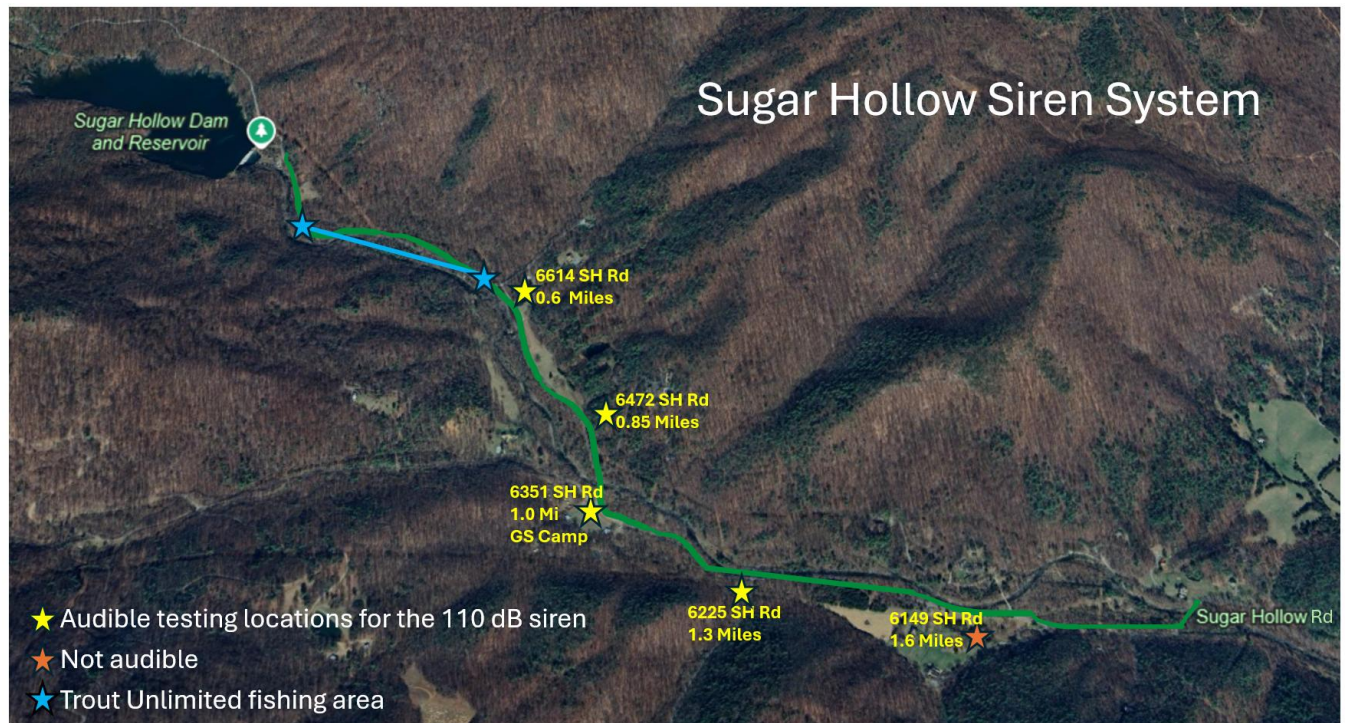
RWSA held a virtual meeting on October 21, 2025, with residents from the JPA neighborhood. The meeting centered around the initial Stage 1 construction plans in the Stadium, Piedmont, Price and Lewis St area. Michelle Simpson, P.E., Project Manager, and Westley Kern, Communications & Outreach Coordinator, led the meeting. Eight members of the public attended the meeting which lasted 45 minutes and included a Question & Answer period at the end. Questions centered on potential vibration concerns, traffic obstructions, the use of construction equipment, coordination efforts, and whether the meeting recording would be shared.

Michelle and Westley assured attendees that the vibration effects would be minimal and that they should not match the intensity felt by the JPA bridge replacement. Michelle addressed the traffic obstruction concern by stating that the contractor will maintain traffic flow by providing flaggers. She added that coordination efforts were in place with UVA and the City of Charlottesville Utilities and

Traffic staff. Westley indicated that the meeting recording would be available later in the week. Westley closed out the meeting and encouraged attendees to use the dedicated email address or phone number if they had any additional questions or concerns regarding the project.

Sugar Hollow Siren

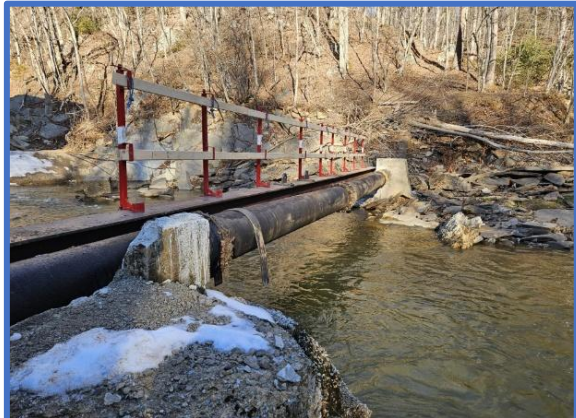
Testing of the Sugar Hollow Dam High Water Alert System is conducted on the second Wednesday of each month at 10:00 AM, with the next test scheduled for November 12th. Audible testing locations indicate that the current siren can be heard 1.3 miles for the siren location. We are in the process of replacing the siren with a louder siren and designing an alert for the entire Sugar Hollow Valley.



Water Chemistry presentation

Bethany Houchens, Water Resources Coordinator, presented an information session about source water, drinking water and wastewater chemistry to 10th grader students at St. Anne's Belfield School.

Hurricane Helene Damages – Grant Award



We received a \$301,176 in federal and state grant awards from VDEM and FEMA for damages caused by Hurricane Helene last fall. The funds cover the cost of permanent repairs to the Sugar Hollow Raw Waterline, temporary stabilization at Ivy Creek and permanent riprap to stabilize Ivy Creek and the Stillhouse Waterline. Repairs were completed between December 2024 and September 2025.



MEMORANDUM

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

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

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: ADMINISTRATION AND COMMUNICATIONS REPORT

DATE: OCTOBER 28, 2025

Three members of our team attended the American Water Works Association (AWWA) – Virginia Section’s WaterJam conference this past month. It was a great opportunity for them to learn from and network with people from other utilities.

Human Resources

Fiscal year 2026 turnover is 6.5% from July 1 - October 15, 2025, which includes one retirement.

We are excited to welcome several new employees:

- Jon Williams – Information Technology Analyst
- Brody Morris – Mechanic 4

Safety

Our Safety Manager, George Cheape, completed his OSHA 510 and 500 training classes through West Virginia University. He is now certified to do in-person safety training and certification in OSHA 10, OSHA 30, and any of the individual subjects contained within OSHA 1926 (Construction). This will allow us much more flexibility in our safety training and save training expenses.

We are currently changing our safety training and incident reporting software from Paychex to Safety Plus. We expect to go live with the new system at the beginning of 2026.

Community Outreach

The Imagine a Day Without Water art contest that we sponsor with Charlottesville Utilities and the Albemarle County Service Authority just finished accepting artwork from local students and the winners will be announced on December 3, 2025. This year’s theme is “Water Works”.

We hosted St. Anne’s Belfield School and the University of Virginia’s Office of Sustainability for tours of the Observatory Water Treatment Plant this month.

MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

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

SUBJECT: CIP PROJECTS REPORT

DATE: OCTOBER 28, 2025

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

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

Summary

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

16	Beaver Creek Dam, Pump Station, and Piping	July 2026	June 2031
17	Upper Schenks Branch Interceptor, Phase 2	2026	2028
18	Glenmore WRRF, Phase 1	June 2026	January 2028
19	Dam Concrete and Steel Repairs	July 2026	November 2027
20	SVWRRF Generator	January 2026	June 2027
21	SVWRRF Permit Modification Upgrades	May 2026	May 2027

Under Construction

1. Central Water Line, Phase 1
2. Red Hill Water Treatment Plant Upgrades
3. South Fork Rivanna River Crossing
4. RMR to OBWTP Raw Water Line and Pump Station
5. MC Building Upfits and Gravity Thickener Improvements
6. MC Structural and Concrete Rehabilitation
7. Crozet Pump Stations Rehabilitation
8. MC Administration Building Renovation and Addition
9. SRWTP – PAC Upgrades
10. RMR Pool Raise
11. Sewer & Manhole Repairs (Phase 2)
12. Crozet WTP GAC Expansion, Phase 1

Design and Bidding

13. Central Water Line, Phase 2
14. MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades
15. SRR to RMR Pipeline, Intake, and Facilities
16. Beaver Creek Dam, Pump Station, and Piping
17. Upper Schenks Branch Interceptor, Phase 2
18. Glenmore WRRF Upgrade, Phase 1
19. Dam Concrete and Steel Repairs
20. SVWRRF Generator
21. SVWRRF Permit Modification Upgrades

Planning and Studies

22. MCAWRRF Biogas Upgrades
23. Flood Protection Resiliency Study

Other Significant Projects

24. Urgent and Emergency Repairs
25. 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:	3%
Base Construction Contract + Change Order to Date = Current Value:	\$47,450,000
Completion:	December 2029
Budget:	\$58 M

Current Status: The first stage of water line construction will include Stadium Rd, Piedmont Ave, Price Ave, and Lewis St (to the railroad tracks) and will begin in October. The contractor is coordinating with the City to relocate gas lines along the initial stage. The contractor will mobilize equipment and pipe to their staging area at the end of Lewis St. A virtual information meeting with the JPA Neighborhood Association was held on October 21st.

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:	12%
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: The building permit for the project has been approved and construction activities have begun.

3. South Fork Rivanna River Crossing

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Faulconer (Charlottesville, VA)
Construction Start:	December 2024
Percent Complete:	50%
Base Construction Contract + Change Order to Date = Current Value:	\$4,916,940 + \$250,000 = \$5,166,940
Completion:	January 2027
Budget:	\$6.25 M

Current Status: Horizontal Directional Drilling subcontractor has completed the pilot hole for the 1,200 LF directional drill and is now back-reaming to enlarge the opening for the water line. A portion of Old Rio Mills Road will be closed for several more months during construction of the new 24" water line. The contractor continues to address erosion and sediment control issues related to the drilling operation.

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:	11%
Base Construction Contract +	
Change Order to Date = Current Value:	\$56,532,000 - \$2,779,390 = \$53,752,610
Completion:	June 2029
Budget:	\$61.49 M

Current Status: The Contractor is nearing completion of the pipeline crossing of Fontaine Avenue. The new 36" pipeline will be pressure tested this month, and once a passing result is achieved, the contractor will perform paving and curb replacement as needed. The Contractor is working on the relocation of the existing 18" Ragged Mountain Raw Waterline on the new pump station site. Once this has been completed, the pump station construction will begin.

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:	12%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,821,000 - \$189,500 = \$9,631,500
Completion:	May 2027
Budget:	\$11.8 M

Current Status: The contractor is working on improvements to the Duty Station which will provide temporary office and storage space for personnel while office spaces in the Blower Building are being renovated. Foundation work for the new maintenance office space under the Vehicle Maintenance Shop canopy is underway.

6. MCAWRRF Structural and Concrete Rehabilitation

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	WM Schlosser (Hyattsville, MD)
Construction Start:	May 2025
Percent Complete:	12%
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: Sandblasting, priming, and purlin replacement at the Maintenance storage building are underway. Concrete repairs have begun on the digesters and the equalization basins.

7. Crozet Pump Stations Rehabilitation

Design Engineer:	Wiley Wilson
Construction Contractor:	Waco, Inc. (Sandston, VA)
Construction Start:	April 2026
Percent Complete:	5%
Base Construction Contract+	
Change Order to Date = Current Value:	\$9,583,350
Completion:	April 2028
Budget:	\$12.35 M

Current Status: Materials have been ordered and have lengthy delivery times.

8. Moores Creek Administration Building Renovation and Addition

Design Engineer:	SEH
Construction Contractor	Martin Horn (Charlottesville, VA)
Construction Start:	August 2025
Percent Complete:	8%
Base Construction Contract+	
Change Order to Date = Current Value	\$22,094,000
Completion:	December 2027
Budget:	\$27.6 M

Current Status: Site work and installation of items required to maintain network connectivity during construction continue. Staff office trailers are on-site with move-in expected in November.

9. SRWTP – PAC Upgrades

Design Engineer:	SEH
Construction Contractor	Waco, Inc (Sandston, VA)
Construction Start:	November 2025
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.

10. RMR Pool Raise

Design Engineer:	Schnabel Engineering
Construction Contractor:	Faulconer Construction (Charlottesville, VA)
Construction Start:	September 2025
Percent Complete:	8%
Base Construction Contract+	
Change Order to Date = Current Value	\$12,329,000 - \$1,310,950 = \$11,018,050

Completion:	December 2026
Budget:	\$13.2 M

Current Status: The Contractor is completing improvements along Reservoir Road to facilitate barge mobilization. Clearing around the reservoir will start in mid-November.

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:	0%
Base Construction Contract+	
Change Order to Date = Current Value	\$1,439,440
Completion:	June 2027
Budget:	<i>Increased from \$1.49 to \$2.185M</i>

Current Status: Contracts are being signed. The pre-construction conference was held on October 21st.

12. Crozet GAC Expansion, Phase 1

Design Engineer:	SEH
Construction Contractor:	English Construction Company (Lynchburg, VA)
Construction Start:	March 2026
Percent Complete:	0%
Base Construction Contract +	
Change Orders to Date = Current Value	\$9,920,000
Completion:	May 2028
Budget:	<i>Increased from \$10.12 to \$12.165 M</i>

Current Status: The construction contract was awarded to English Construction Company in September. Construction will begin in early 2026. Grant funds totaling \$7.24 M from VDH will support this project.

Design and Bidding

13. Central Water Line, Phase 2

Design Engineer:	Michael Baker International (Baker)
Project Start:	July 2024
Project Status:	80% Design
Construction Start:	August 2026
Completion:	March 2029
Budget:	\$21 M

Current Status: Survey work is complete and water piping design for the E. High Street area is underway. Engineers are developing 90% design drawings and permit applications. A private easement has been acquired and easements on two City parcels will be requested from City Council.

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

Design Engineer:	Hazen and Sawyer (Hazen)
Project Start:	June 2023
Project Status:	92% Design
Construction Start:	June 2026
Completion:	May 2028
Budget:	\$10.2 M

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

15. SRR to RMR Pipeline, Intake, and Facilities

Design Engineer:	Kimley Horn
Project Start:	July 2023
Project Status:	Bidding
Construction Start:	May 2026
Completion:	December 2030
Budget:	\$117 M

Current Status: Construction bids are due on November 13th. An award is anticipated at the December Board Meeting.

16. Beaver Creek Dam, Pump Station and Piping Improvements

Design Engineer:	Schnabel Engineering (Dam)
Design Engineer:	Hazen & Sawyer (Pump Station and Intake)
Project Start:	February 2018
Project Status:	75% Design
Construction Start:	July 2026
Completion:	June 2031
Budget:	<i>Increased from \$62.5 to \$72.5 M</i>

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

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.

17. Upper Schenks Branch Interceptor, Phase 2

Design Engineer:	CHA Consulting
Project Start:	July 2021
Project Status:	Design
Construction Start:	2026
Completion:	2027

Budget: \$7.1 M for RWSA section; \$11 – 15 M including City section

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

18. Glenmore WRRF Upgrade, Phase 1

Design Engineer: SEH
Project Start: March 2025
Project Status: 100% Design
Construction Start: June 2026
Completion: January 2028
Budget: \$1.8 M

Current Status: This project will replace wastewater treatment equipment at the end of its useful life and reduce the noise generated from the aeration system blowers. Construction bids are due on November 12th.

19. Dam Concrete and Steel Repairs

Design Engineer: GAI Consultants
Project Start: January 2025
Project Status: 10% Design
Construction Start: July 2026
Completion: November 2027
Budget: \$2.82 M

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

20. SVWRRF Generator

Design Engineer: Wiley|Wilson
Project Start: October 2022
Project Status: Award
Construction Start: January 2026
Completion: June 2027
Budget: *Increased from \$0.5 to \$1.3M*

Current Status: Please see this month's board packet for a CIP amendment request and construction contract award recommendation.

21. SVWRRF Permit Modification Upgrades

Design Engineer: Short Elliot Hendrickson
Project Start: July 2025
Project Status: 5% Design

Construction Start:	May 2026
Completion:	May 2027
Budget:	\$827,000

Current Status: This project includes influent pump station and headworks upgrades, aeration piping rehabilitation, a new storage and chemical feed building, and flood resiliency improvements. Design is underway and interim measures for meeting permit requirements are being coordinated with Operations staff.

Planning and Studies

22. MCAWRRF Biogas Upgrades

Design Engineer:	SEH
Project Start:	October 2021
Project Status:	Preliminary Engineering/Study (99%)
Completion:	December 2024
Budget:	\$7.8 M

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

23. Flood Protection Resiliency Study

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

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

Other Significant Projects

24. 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.

25. Security Enhancements

Design Engineer:	Hazen & Sawyer
Construction Contractor:	Security 101 (Richmond, VA)
Construction Start:	March 2020
Percent Complete:	99% (WA9), 80% (WA #12)
Based Construction Contract +	
Change Orders to Date = Current Value:	\$718,428 (WA1) + \$1,006,804 (WA2-12)
Completion:	June 2025 (WA9), December 2025 (WA12)
Budget:	\$2.98 M

Current Status: WA9 will include installation of card access on all exterior doors at the South Rivanna WTP and has been amended to include interior doors at the new IT data center. WA12 includes installation of card access on all exterior doors at the Observatory WTP, as well as two small electrical buildings at MCAWRRF. Design of MCAWRRF entrance modifications with Hazen & Sawyer continues, with discussions with Dominion Energy also ongoing, as relocation of existing electrical infrastructure will be required. This relocation process will need to be finalized prior to the project proceeding to the bidding phase. Relocation of existing electrical infrastructure will require coordination with the adjacent landowner, as the infrastructure must be completely relocated from the entrance area. 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: AUGUST MONTHLY FINANCIAL SUMMARY – FY 2026

DATE: OCTOBER 28, 2025

Financial Snapshot

The Authority's actual operating revenues for August are \$783,600 over the prorated annual budget estimates, and operating expenses are over the prorated budget by \$265,800, resulting in an operating surplus of \$517,700. Urban Water flows and operating rate revenue for this month are 14.7% over budget estimates. Urban Wastewater flows and operations rate revenue are 3.5% over budget. Both Urban Rate centers generated \$376,400 in excess revenues related to these flows. The Authority received \$269,000 in PFAS litigation funds in the last two months, which is another cause of the excess revenues. This excess revenue is offset by some quarterly and annual payments of operating expenses discussed on the next page of this memo.

Total revenues are \$793,400 over budget estimates and total expenses are \$195,600 over budget, resulting in an overall surplus of \$597,700 through August. Revenues and expenses are summarized in the table below:

August 2025 Year-to-Date Budget vs Actual Results:

	Budget	Actual	Variance
Operations			
Revenues	\$ 5,107,650	\$ 5,891,235	\$ 783,585
Expenses	5,107,650	5,373,499	265,849
Surplus (deficit)	<u>\$ -</u>	<u>\$ 517,736</u>	<u>\$ 517,736</u>
Debt Service			
Revenues	\$ 5,568,874	\$ 5,578,642	\$ 9,768
Expenses	5,568,874	5,498,657	(70,217)
Surplus (deficit)	<u>\$ -</u>	<u>\$ 79,985</u>	<u>\$ 79,985</u>
Total			
Revenues	\$ 10,676,524	\$ 11,469,877	\$ 793,353
Expenses	10,676,524	10,872,156	195,632
Surplus (deficit)	<u><u>\$ -</u></u>	<u><u>\$ 597,721</u></u>	<u><u>\$ 597,721</u></u>

A more detailed financial analysis is in the following monthly report and reviews more closely actual financial performance compared to budgeted estimates. There are comments listed that will

reference the applicable line items in the financial statement for each rate center and each support department in the following pages. Please refer to the Budget vs Actual financial statements when reviewing these comments.

Detailed Financials

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

- A. Annual and Quarterly Transactions - Some revenues and expenses exceed the prorated annual budget due to up-front annual receipts of revenue and quarterly or annual payments of expenses. These transactions appear to significantly impact the budget vs. actual monthly comparisons, but they usually even out as the year progresses. Septage receiving support revenue of \$109,440 is billed to the County annually in July. Annual payments are made in July for certain maintenance agreements and for employer contributions to employees' health savings accounts. The annual payment to UVA for the Observatory lease (\$175,000) is made in August. Insurance premiums are paid at the beginning of each quarter.
- B. Personnel Costs (most departments – pages 2-11) – The prorated budget amounts through August are calculated as 2/12 (or 16.67%) of the annual budget on these financial statements. However, actual payroll is paid biweekly, and there have been 5 out of 26 total pay periods through August (or 19.23%). This affects the comparison of budget vs. actual payroll costs. The Maintenance Department is also over the prorated budget due to the final leave payout to the maintenance manager upon retirement.
- C. Professional Services (Urban Water, Crozet Water, Administration – pages 2,3,8) – Urban Water and Crozet Water are over the prorated budget in this category by \$45,000 and \$19,600 respectively for engineering and technical services. The Administration Department is slightly over 2/12 of the annual budget for legal fees.
- D. Other Services & Charges (Urban Water – page 2) – Urban Water is currently \$45,000 over budget in this category for utilities, laboratory analysis and sludge hauling costs.
- E. Information Technology (Administration – page 8) – The Administration department paid for an annual software renewal.
- F. Operations and Maintenance (Crozet Water, Maintenance – pages 3,10) – \$38,400 of Crozet Water's \$60,000 annual budget for algae treatments at Beaver Creek Reservoir has been spent so far. The Maintenance department is currently over budget on vehicle repairs.

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

Consolidated
Revenues and Expenses Summary

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

Operating Budget vs. Actual

Notes

Revenues

Operations Rate Revenue	\$ 28,565,847	\$ 4,760,975	\$ 5,137,342	\$ 376,367	7.91%
Lease Revenue	120,000	20,000	24,555	4,555	22.78%
Admin., Finance/IT, Maint. & Engineering Revenue	998,000	166,333	173,795	7,462	4.49%
Other Revenues	689,654	114,942	425,302	310,359	270.01%
Interest Allocation	272,400	45,400	130,241	84,841	186.87%
Total Operating Revenues	\$ 30,645,901	\$ 5,107,650	\$ 5,891,235	\$ 783,585	15.34%

Expenses

Personnel Cost	A,B	\$ 14,179,052	\$ 2,363,175	\$ 2,701,575	\$ (338,400)	-14.32%
Professional Services	C	777,950	129,658	178,841	(49,183)	-37.93%
Other Services & Charges	D	4,580,981	763,497	738,575	24,922	3.26%
Communication		291,328	48,555	65,584	(17,029)	-35.07%
Information Technology	E	2,398,380	399,730	302,229	97,501	24.39%
Supplies		60,031	10,005	12,412	(2,407)	-24.05%
Operations & Maintenance	A,F	6,856,926	1,142,821	1,125,380	17,441	1.53%
Equipment Purchases		551,250	91,875	90,570	1,305	1.42%
Depreciation		950,000	158,333	158,333	(0)	0.00%
Total Operating Expenses		\$ 30,645,898	\$ 5,107,650	\$ 5,373,499	\$ (265,849)	-5.20%
Operating Surplus/(Deficit)		\$ 3	\$ 0	\$ 517,736		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 31,290,304	\$ 5,215,051	\$ 5,215,050	\$ (1)	0.00%
Septage Receiving Support - County	109,440	18,240	109,440	91,200	500.00%
Buck Mountain Lease Revenue	10,000	1,667	-	(1,667)	-100.00%
Trust Fund Interest	456,900	76,150	66,601	(9,549)	-12.54%
Reserve Fund Interest	1,546,600	257,767	187,551	(70,216)	-27.24%
Total Debt Service Revenues	\$ 33,413,244	\$ 5,568,874	\$ 5,578,642	\$ 9,768	0.18%

Debt Service Costs

Total Principal & Interest	\$ 21,245,638	\$ 3,540,940	\$ 3,540,940	\$ -	0.00%
Reserve Additions-Interest	1,546,600	257,767	187,551	70,216	27.24%
Debt Service Ratio Charge	725,000	120,833	120,833	-	0.00%
Reserve Additions-CIP Growth	9,896,000	1,649,333	1,649,333	-	0.00%
Total Debt Service Costs	\$ 33,413,238	\$ 5,568,873	\$ 5,498,657	\$ 70,216	1.26%
Debt Service Surplus/(Deficit)	\$ 6	\$ 1	\$ 79,985		

Summary

Total Revenues	\$ 64,059,145	\$ 10,676,524	\$ 11,469,877	\$ 793,353	7.43%
Total Expenses	64,059,136	10,676,523	10,872,156	(195,633)	-1.83%
Surplus/(Deficit)	\$ 9	\$ 1	\$ 597,721		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Urban Water Rate Center
Revenues and Expenses Summary

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

		Notes								
Revenues										
Operations Rate Revenue		\$	12,376,260	\$	2,062,710	\$	2,365,009	\$	302,299	14.66%
Lease Revenue			90,000		15,000		18,814		3,814	25.42%
Grants			-		-		-		-	
Other Revenue			-		-		244,160		244,160	
Interest Allocation			120,000		20,000		57,045		37,045	185.23%
Total Operating Revenues		\$	12,586,260	\$	2,097,710	\$	2,685,029	\$	587,319	28.00%
Expenses										
Personnel Cost	A	\$	2,725,694	\$	454,282	\$	532,901	\$	(78,618)	-17.31%
Professional Services	C		220,500		36,750		81,775		(45,025)	-122.52%
Other Services & Charges	D		1,210,134		201,689		243,646		(41,957)	-20.80%
Communications			91,500		15,250		22,419		(7,169)	-47.01%
Information Technology			197,100		32,850		27,499		5,351	16.29%
Supplies			10,031		1,672		1,698		(26)	-1.54%
Operations & Maintenance	A		3,116,833		519,472		607,833		(88,360)	-17.01%
Equipment Purchases			26,900		4,483		4,483		(0)	0.00%
Depreciation			300,000		50,000		50,000		-	0.00%
Subtotal Before Allocations		\$	7,898,692	\$	1,316,449	\$	1,572,253	\$	(255,805)	-19.43%
Allocation of Support Departments			4,687,568		781,261		834,665		(53,404)	-6.84%
Total Operating Expenses		\$	12,586,259	\$	2,097,710	\$	2,406,918	\$	(309,208)	-14.74%
Operating Surplus/(Deficit)		\$	1	\$	0	\$	278,111			

Debt Service Budget vs. Actual

Revenues										
Debt Service Rate Revenue	\$	15,733,661	\$	2,622,277	\$	2,622,276	\$	(1)	0.00%	
Trust Fund Interest		200,000		33,333		29,165		(4,169)	-12.51%	
Reserve Fund Interest		744,800		124,133		90,399		(33,734)	-27.18%	
Lease Revenue		10,000		1,667		-		(1,667)	-100.00%	
Total Debt Service Revenues		\$	16,688,461	\$	2,781,410	\$	2,741,840	\$	(39,570)	-1.42%
Debt Service Costs										
Total Principal & Interest	\$	8,904,860	\$	1,484,143	\$	1,484,143	\$	-	0.00%	
Reserve Additions-Interest		744,800		124,133		90,399		33,734	27.18%	
Debt Service Ratio Charge		400,000		66,667		66,667		-	0.00%	
Est. New Debt Service - CIP Growth		6,638,800		1,106,467		1,106,467		-	0.00%	
Total Debt Service Costs		\$	16,688,460	\$	2,781,410	\$	2,747,676	\$	33,734	1.21%
Debt Service Surplus/(Deficit)		\$	1	\$	0	\$	(5,836)			

Rate Center Summary

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Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Crozet Water Rate Center
Revenues and Expenses Summary

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

Notes

Revenues

Operations Rate Revenue	\$ 1,562,184	\$ 260,364	\$ 260,364	\$ -	0.00%
Lease Revenue	30,000	5,000	5,742	742	14.84%
Other Revenue	-	-	20,153	20,153	
Interest Allocation	15,000	2,500	7,163	4,663	186.53%
Total Operating Revenues	\$ 1,607,184	\$ 267,864	\$ 293,422	\$ 25,558	9.54%

Expenses

Personnel Cost	A	\$ 379,359	\$ 63,227	\$ 75,013	\$ (11,786)	-18.64%
Professional Services	C	19,500	3,250	22,848	(19,598)	-603.01%
Other Services & Charges		177,582	29,597	30,779	(1,182)	-4.00%
Communications		15,300	2,550	3,784	(1,234)	-48.38%
Information Technology		64,400	10,733	12,445	(1,712)	-15.95%
Supplies		1,100	183	671	(488)	-266.23%
Operations & Maintenance	F	449,085	74,848	100,421	(25,573)	-34.17%
Equipment Purchases		3,800	633	633	(0)	0.00%
Depreciation		60,000	10,000	10,000	-	0.00%
Subtotal Before Allocations		\$ 1,170,126	\$ 195,021	\$ 256,594	\$ (61,573)	-31.57%
Allocation of Support Departments		437,056	72,843	78,205	(5,362)	-7.36%
Total Operating Expenses		\$ 1,607,183	\$ 267,864	\$ 334,800	\$ (66,936)	-24.99%
Operating Surplus/(Deficit)		\$ 1	\$ 0	\$ (41,377)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 3,103,992	\$ 517,332	\$ 517,332	\$ -	0.00%
Trust Fund Interest	32,000	5,333	4,662	(671)	-12.59%
Reserve Fund Interest	118,000	19,667	14,254	(5,413)	-27.52%
Total Debt Service Revenues	\$ 3,253,992	\$ 542,332	\$ 536,248	\$ (6,084)	-1.12%

Debt Service Costs

Total Principal & Interest	\$ 1,126,391	\$ 187,732	\$ 187,732	\$ -	0.00%
Reserve Additions-Interest	118,000	19,667	14,254	5,413	27.52%
Estimated New Principal & Interest	2,009,600	334,933	334,933	-	0.00%
Total Debt Service Costs	\$ 3,253,991	\$ 542,332	\$ 536,919	\$ 5,413	1.00%
Debt Service Surplus/(Deficit)	\$ 1	\$ 0	\$ (671)		

Rate Center Summary

Total Revenues	\$ 4,861,176	\$ 810,196	\$ 829,670	\$ 19,474	2.40%
Total Expenses	4,861,174	810,196	871,719	(61,523)	-7.59%
Surplus/(Deficit)	\$ 2	\$ 0	\$ (42,048)		
Costs per 1000 Gallons	\$ 7.93		\$ 7.66		
Operating and DS	\$ 23.98		\$ 19.96		
Thousand Gallons Treated	202,697	33,783	43,683	9,900	29.31%
Flow (MGD)	0.555		0.705		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Scottsville Water Rate Center
Revenues and Expenses Summary

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

Notes

Revenues

Operations Rate Revenue	\$ 851,940	\$ 141,990	\$ 141,990	\$ -	0.00%
Other Revenue	-	-	4,668	4,668	
Interest Allocation	7,700	1,283	3,647	2,363	184.16%
Total Operating Revenues	\$ 859,640	\$ 143,273	\$ 150,305	\$ 7,032	4.91%

Expenses

Personnel Cost	\$ 248,090	\$ 41,348	\$ 49,342	\$ (7,994)	-19.33%
Professional Services	15,000	2,500	4,803	(2,303)	-92.10%
Other Services & Charges	79,887	13,315	16,274	(2,960)	-22.23%
Communications	18,550	3,092	5,035	(1,943)	-62.85%
Information Technology	57,000	9,500	14,750	(5,250)	-55.26%
Supplies	200	33	427	(393)	-1180.49%
Operations & Maintenance	137,220	22,870	26,852	(3,982)	-17.41%
Equipment Purchases	2,400	400	572	(172)	-42.90%
Depreciation	40,000	6,667	6,667	0	0.00%
Subtotal Before Allocations	\$ 598,347	\$ 99,724	\$ 124,720	\$ (24,996)	-25.06%
Allocation of Support Departments	261,289	43,548	47,426	(3,877)	-8.90%
Total Operating Expenses	\$ 859,636	\$ 143,273	\$ 172,146	\$ (28,873)	-20.15%
Operating Surplus/(Deficit)	\$ 4	\$ 1	\$ (21,840)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 304,128	\$ 50,688	\$ 50,688	\$ -	0.00%
Trust Fund Interest	4,200	700	613	(87)	-12.47%
Reserve Fund Interest	4,800	800	563	(237)	-29.67%
Total Debt Service Revenues	\$ 313,128	\$ 52,188	\$ 51,863	\$ (325)	-0.62%

Debt Service Costs

Total Principal & Interest	\$ 148,127	\$ 24,688	\$ 24,688	\$ -	0.00%
Reserve Additions-Interest	4,800	800	563	237	29.67%
Estimated New Principal & Interest	160,200	26,700	26,700	-	0.00%
Total Debt Service Costs	\$ 313,127	\$ 52,188	\$ 51,950	\$ 237	0.45%
Debt Service Surplus/(Deficit)	\$ 1	\$ 0	\$ (87)		

Rate Center Summary

Total Revenues	\$ 1,172,768	\$ 195,461	\$ 202,169	\$ 6,707	3.43%
Total Expenses	1,172,763	195,461	224,096	(28,636)	-14.65%
Surplus/(Deficit)	\$ 5	\$ 1	\$ (21,928)		
Costs per 1000 Gallons	\$ 49.89		\$ 46.91		
Operating and DS	\$ 68.07		\$ 61.06		
Thousand Gallons Treated	17,230	2,872	3,670	798	27.80%
or					
Flow (MGD)	0.047		0.059		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

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	\$ 2,101,815	\$ 2,175,883	\$ 74,068	3.52%
Stone Robinson WWTP	19,654	3,276	2,134	(1,142)	-34.86%
Septage Acceptance	620,000	103,333	100,409	(2,924)	-2.83%
Nutrient Credits	50,000	8,333	53,777	45,443	545.32%
Miscellaneous Revenue	-	-	-	-	
Interest Allocation	120,000	20,000	57,827	37,827	189.13%
Total Operating Revenues	\$ 13,420,541	\$ 2,236,757	\$ 2,390,029	\$ 153,273	6.85%

Expenses

Personnel Cost	A \$ 1,725,025	\$ 287,504	\$ 334,182	\$ (46,678)	-16.24%
Professional Services	205,000	34,167	4,505	29,662	86.81%
Other Services & Charges	2,742,631	457,105	386,525	70,581	15.44%
Communications	15,100	2,517	2,250	266	10.58%
Information Technology	187,600	31,267	21,786	9,481	30.32%
Supplies	2,600	433	432	2	0.35%
Operations & Maintenance	2,523,628	420,605	255,842	164,763	39.17%
Equipment Purchases	73,500	12,250	12,250	-	0.00%
Depreciation	470,000	78,333	78,333	(0)	0.00%
Subtotal Before Allocations	\$ 7,945,084	\$ 1,324,181	\$ 1,096,105	\$ 228,075	17.22%
Allocation of Support Departments	5,475,458	912,576	986,338	(73,761)	-8.08%
Total Operating Expenses	\$ 13,420,542	\$ 2,236,757	\$ 2,082,443	\$ 154,314	6.90%
Operating Surplus/(Deficit)	\$ (1)	\$ (0)	\$ 307,587		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 11,948,147	\$ 1,991,358	\$ 1,991,358	\$ 0	0.00%
Septage Receiving Support - County	109,440	18,240	109,440	91,200	500.00%
Trust Fund Interest	220,000	36,667	32,055	(4,612)	-12.58%
Reserve Fund Interest	675,000	112,500	81,772	(30,728)	-27.31%
Total Debt Service Revenues	\$ 12,952,587	\$ 2,158,765	\$ 2,214,625	\$ 55,861	2.59%

Debt Service Costs

Total Principal & Interest	\$ 11,040,988	\$ 1,840,165	\$ 1,840,165	\$ -	0.00%
Reserve Additions-Interest	675,000	112,500	81,772	30,728	27.31%
Debt Service Ratio Charge	325,000	54,167	54,167	-	0.00%
Est. New Debt Service - CIP Growth	911,600	151,933	151,933	-	0.00%
Total Debt Service Costs	\$ 12,952,588	\$ 2,158,765	\$ 2,128,037	\$ 30,728	1.42%
Debt Service Surplus/(Deficit)	\$ (1)	\$ (0)	\$ 86,588		

Rate Center Summary

Total Revenues	\$ 26,373,128	\$ 4,395,521	\$ 4,604,655	\$ 209,133	4.76%
Total Expenses	26,373,130	4,395,522	4,210,480	185,042	4.21%
Surplus/(Deficit)	\$ (2)	\$ (0)	\$ 394,175		
Costs per 1000 Gallons	\$ 3.96		\$ 3.56		
Operating and DS	\$ 7.78		\$ 7.20		
Thousand Gallons Treated	3,390,400	565,067	585,072	20,005	3.54%
or					
Flow (MGD)	9.289		9.437		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Glenmore Wastewater Rate Center
Revenues and Expenses Summary

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

Notes

Revenues

Operations Rate Revenue	\$ 673,248	\$ 112,208	\$ 112,208	\$ -	0.00%
Interest Allocation	5,500	917	2,605	1,688	184.16%
Total Operating Revenues	\$ 678,748	\$ 113,125	\$ 114,813	\$ 1,688	1.49%

Expenses

Personnel Cost	\$ 142,586	\$ 23,764	\$ 27,919	\$ (4,155)	-17.48%
Professional Services	10,000	1,667	218	1,448	86.89%
Other Services & Charges	45,136	7,523	6,356	1,167	15.51%
Communications	20,300	3,383	3,766	(382)	-11.30%
Information Technology	53,450	8,908	12,602	(3,694)	-41.47%
Supplies	-	-	-	-	
Operations & Maintenance	152,435	25,406	19,398	6,007	23.65%
Equipment Purchases	3,500	583	583	(0)	0.00%
Depreciation	60,000	10,000	10,000	-	0.00%
Subtotal Before Allocations	\$ 487,407	\$ 81,235	\$ 80,843	\$ 391	0.48%
Allocation of Support Departments	191,344	31,891	35,162	(3,272)	-10.26%
Total Operating Expenses	\$ 678,752	\$ 113,125	\$ 116,005	\$ (2,880)	-2.55%
Operating Surplus/(Deficit)	\$ (4)	\$ (1)	\$ (1,193)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 144,948	\$ 24,158	\$ 24,158	\$ -	0.00%
Trust Fund Interest	500	83	80	(3)	-4.10%
Reserve Fund Interest	-	-	-	-	
Total Debt Service Revenues	\$ 145,448	\$ 24,241	\$ 24,238	\$ (3)	-0.01%

Debt Service Costs

Total Principal & Interest	\$ 18,746	\$ 3,124	\$ 3,124	\$ -	0.00%
Estimated New Principal & Interest	126,700	21,117	21,117	-	0.00%
Reserve Additions-Interest	-	-	-	-	
Total Debt Service Costs	\$ 145,446	\$ 24,241	\$ 24,241	\$ -	0.00%
Debt Service Surplus/(Deficit)	\$ 2	\$ 0	\$ (3)		

Rate Center Summary

Total Revenues	\$ 824,196	\$ 137,366	\$ 139,051	\$ 1,685	1.23%
Total Expenses	824,198	137,366	140,246	(2,880)	-2.10%
Surplus/(Deficit)	\$ (2)	\$ (0)	\$ (1,196)		
Costs per 1000 Gallons	\$ 16.39		\$ 13.30		
Operating and DS	\$ 19.91		\$ 16.07		
Thousand Gallons Treated or Flow (MGD)	41,401	6,900	8,725	1,825	26.45%
	0.113		0.141		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Scottsville Wastewater Rate Center
Revenues and Expenses Summary

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

Notes

Revenues

Operations Rate Revenue	\$ 491,328	\$ 81,888	\$ 81,888	\$ -	0.00%
Interest Allocation	4,200	700	1,954	1,254	179.09%
Total Operating Revenues	\$ 495,528	\$ 82,588	\$ 83,842	\$ 1,254	1.52%

Expenses

Personnel Cost	\$ 142,484	\$ 23,747	\$ 27,919	\$ (4,172)	-17.57%
Professional Services	5,000	833	218	615	73.79%
Other Services & Charges	30,936	5,156	4,702	454	8.80%
Communications	6,050	1,008	88	921	91.30%
Information Technology	54,750	9,125	1,572	7,553	82.77%
Supplies	-	-	-	-	
Operations & Maintenance	53,680	8,947	16,192	(7,245)	-80.98%
Equipment Purchases	3,500	583	583	(0)	0.00%
Depreciation	20,000	3,333	3,333	(0)	0.00%
Subtotal Before Allocations	\$ 316,400	\$ 52,733	\$ 54,608	\$ (1,875)	-3.56%
Allocation of Support Departments	179,127	29,854	32,784	(2,930)	-9.81%
Total Operating Expenses	\$ 495,527	\$ 82,588	\$ 87,392	\$ (4,805)	-5.82%
Operating Surplus/(Deficit)	\$ 1	\$ 0	\$ (3,551)		

Debt Service Budget vs. Actual

Revenues

Debt Service Rate Revenue	\$ 55,428	\$ 9,238	\$ 9,238	\$ -	0.00%
Trust Fund Interest	200	33	27	(7)	-20.11%
Reserve Fund Interest	4,000	667	563	(104)	-15.60%
Total Debt Service Revenues	\$ 59,628	\$ 9,938	\$ 9,827	\$ (111)	-1.11%

Debt Service Costs

Total Principal & Interest	\$ 6,526	\$ 1,088	\$ 1,088	\$ -	0.00%
Reserve Additions-Interest	4,000	667	563	104	15.60%
Estimated New Principal & Interest	49,100	8,183	8,183	-	0.00%
Total Debt Service Costs	\$ 59,626	\$ 9,938	\$ 9,834	\$ 104	1.05%
Debt Service Surplus/(Deficit)	\$ 2	\$ 0	\$ (6)		

Rate Center Summary

Total Revenues	\$ 555,156	\$ 92,526	\$ 93,669	\$ 1,143	1.24%
Total Expenses	555,153	92,525	97,226	(4,701)	-5.08%
Surplus/(Deficit)	\$ 3	\$ 1	\$ (3,557)		
Costs per 1000 Gallons	\$ 20.96		\$ 23.10		
Operating and DS	\$ 23.48		\$ 25.69		
Thousand Gallons Treated or Flow (MGD)	23,643	3,941	3,784	(157)	-3.97%
	0.065		0.061		

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Administration and Communication

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

		Notes								
Revenues										
Payment for Services SWA		\$	417,000	\$	69,500	\$	69,631	\$	131	0.19%
Miscellaneous Revenue			-		-		98		98	
Total Operating Revenues		\$	417,000	\$	69,500	\$	69,730	\$	230	0.33%
Expenses										
Personnel Cost	A	\$	1,657,525	\$	276,254	\$	327,243	\$	(50,989)	-18.46%
Professional Services	C		103,950		17,325		44,937		(27,612)	-159.38%
Other Services & Charges			162,450		27,075		34,215		(7,140)	-26.37%
Communications			9,200		1,533		1,093		440	28.71%
Information Technology	E		5,700		950		10,963		(10,013)	-1053.98%
Supplies			19,600		3,267		3,649		(382)	-11.70%
Operations & Maintenance			66,050		11,008		10,339		669	6.08%
Equipment Purchases			9,000		1,500		1,500		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	2,033,475	\$	338,913	\$	433,939	\$	(95,027)	-28.04%

Department Summary

Net Costs Allocable to Rate Centers		\$	(1,616,475)	\$	(269,413)	\$	(364,210)	\$	94,797	-35.19%
<u>Allocations to the Rate Centers</u>										
Urban Water	44.00%	\$	711,249	\$	118,542	\$	160,252	\$	(41,711)	
Crozet Water	4.00%	\$	64,659		10,777		14,568		(3,792)	
Scottsville Water	2.00%	\$	32,330		5,388		7,284		(1,896)	
Urban Wastewater	48.00%	\$	775,908		129,318		174,821		(45,503)	
Glenmore Wastewater	1.00%	\$	16,165		2,694		3,642		(948)	
Scottsville Wastewater	1.00%	\$	16,165		2,694		3,642		(948)	
	100.00%	\$	1,616,475	\$	269,413	\$	364,210	\$	(94,797)	

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Finance and Information Technology

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

Notes

Revenues

Payment for Services SWA	\$	581,000	\$	96,833	\$	96,833	\$	0	0.00%
Bond Proceeds Funding Bond Issuance Costs		-		-		-		-	
Miscellaneous Revenue		-		-		3,000		3,000	
Total Operating Revenues	\$	581,000	\$	96,833	\$	99,833	\$	3,000	3.10%

Expenses

Personnel Cost	A	\$	2,411,906	\$	401,984	\$	452,107	\$	(50,122)	-12.47%
Professional Services			47,000		7,833		1,275		6,558	83.72%
Other Services & Charges			55,200		9,200		6,220		2,980	32.39%
Communication			73,900		12,317		16,963		(4,647)	-37.73%
Information Technology			1,550,650		258,442		166,074		92,367	35.74%
Supplies			14,000		2,333		3,769		(1,436)	-61.54%
Operations & Maintenance			5,000		833		1,654		(820)	-98.43%
Equipment Purchases			7,500		1,250		1,250		-	0.00%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	4,165,156	\$	694,193	\$	649,313	\$	44,880	6.47%

Department Summary

Net Costs Allocable to Rate Centers		\$	(3,584,156)	\$	(597,359)	\$	(549,479)	\$	(47,880)	8.02%
<u>Allocations to the Rate Centers</u>										
Urban Water	44.00%	\$	1,577,029	\$	262,838	\$	241,771	\$	21,067	
Crozet Water	4.00%	\$	143,366		23,894		21,979		1,915	
Scottsville Water	2.00%	\$	71,683		11,947		10,990		958	
Urban Wastewater	48.00%	\$	1,720,395		286,733		263,750		22,983	
Glenmore Wastewater	1.00%	\$	35,842		5,974		5,495		479	
Scottsville Wastewater	1.00%	\$	35,842		5,974		5,495		479	
	100.00%	\$	3,584,156	\$	597,359	\$	549,479	\$	47,880	

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Maintenance

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

Notes

Revenues

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

Expenses

Personnel Cost	A,B	\$	1,836,099	\$	306,016	\$	361,534	\$	(55,517)	-18.14%
Professional Services			10,000		1,667		150		1,517	91.00%
Other Services & Charges			40,350		6,725		3,705		3,020	44.91%
Communications			20,000		3,333		4,128		(795)	-23.84%
Information Technology			7,500		1,250		2,084		(834)	-66.76%
Supplies			3,500		583		-		583	100.00%
Operations & Maintenance	F		130,300		21,717		39,714		(17,997)	-82.87%
Equipment Purchases			395,750		65,958		64,286		1,672	2.54%
Depreciation			-		-		-		-	
Total Operating Expenses		\$	2,443,499	\$	407,250	\$	475,601	\$	(68,351)	-16.78%

Department Summary

Net Costs Allocable to Rate Centers		\$	(2,443,499)	\$	(407,250)	\$	(475,601)	\$	68,351	-16.78%
<u>Allocations to the Rate Centers</u>										
Urban Water	30.00%	\$	733,050	\$	122,175	\$	142,680	\$	(20,505)	
Crozet Water	3.50%		85,522		14,254		16,646		(2,392)	
Scottsville Water	3.50%		85,522		14,254		16,646		(2,392)	
Urban Wastewater	56.50%		1,380,577		230,096		268,714		(38,618)	
Glenmore Wastewater	3.50%		85,522		14,254		16,646		(2,392)	
Scottsville Wastewater	3.00%		73,305		12,217		14,268		(2,051)	
	100.00%	\$	2,443,499	\$	407,250	\$	475,601	\$	(68,351)	

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

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

Revenues Notes

N/A

Expenses

Personnel Cost	A	\$ 503,003	\$ 83,834	\$ 93,829	\$ (9,995)	-11.92%
Professional Services		-	-	-	-	
Other Services & Charges		9,800	1,633	1,500	133	8.14%
Communications		800	133	3,265	(3,131)	-2348.41%
Information Technology		-	-	-	-	
Supplies		2,300	383	41	342	89.31%
Operations & Maintenance		146,357	24,393	31,350	(6,957)	-28.52%
Equipment Purchases		3,900	650	845	(195)	-30.04%
Depreciation		-	-	-	-	
Total Operating Expenses		\$ 666,160	\$ 111,027	\$ 130,830	\$ (19,803)	-17.84%

Department Summary

Net Costs Allocable to Rate Centers		\$ (666,160)	\$ (111,027)	\$ (130,830)	\$ 19,803	-17.84%
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 293,110	\$ 48,852	\$ 57,565	\$ (8,713)	
Crozet Water	4.00%	26,646	4,441	5,233	(792)	
Scottsville Water	2.00%	13,323	2,221	2,617	(396)	
Urban Wastewater	47.00%	313,095	52,183	61,490	(9,307)	
Glenmore Wastewater	1.50%	9,992	1,665	1,962	(297)	
Scottsville Wastewater	1.50%	9,992	1,665	1,962	(297)	
	100.00%	\$ 666,160	\$ 111,027	\$ 130,830	\$ (19,803)	

Rivanna Water & Sewer Authority
Monthly Financial Statements - August 2025

Engineering

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

Notes

Revenues

Payment for Services SWA

Total Operating Revenues

\$ -	\$ -	\$ 4,232	\$ 4,232	
\$ -	\$ -	\$ 4,232	\$ 4,232	

Expenses

Personnel Cost

Professional Services

Other Services & Charges

Communications

Information Technology

Supplies

Operations & Maintenance

Equipment Purchases

Depreciation

Total Operating Expenses

A	\$ 2,407,282	\$ 401,214	\$ 419,587	\$ (18,373)	-4.58%
	142,000	23,667	18,112	5,554	23.47%
	26,875	4,479	4,652	(172)	-3.85%
	20,628	3,438	2,794	644	18.74%
	220,230	36,705	32,453	4,252	11.58%
	6,700	1,117	1,725	(609)	-54.49%
	76,338	12,723	15,787	(3,064)	-24.08%
	21,500	3,583	3,583	0	0.00%
	-	-	-	-	
	\$ 2,921,553	\$ 486,925	\$ 498,693	\$ (11,767)	-2.42%

Department Summary

Net Costs Allocable to Rate Centers

\$ (2,921,553)	\$ (486,925)	\$ (494,460)	\$ 15,999	-3.29%
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Allocations to the Rate Centers

Urban Water

Crozet Water

Scottsville Water

Urban Wastewater

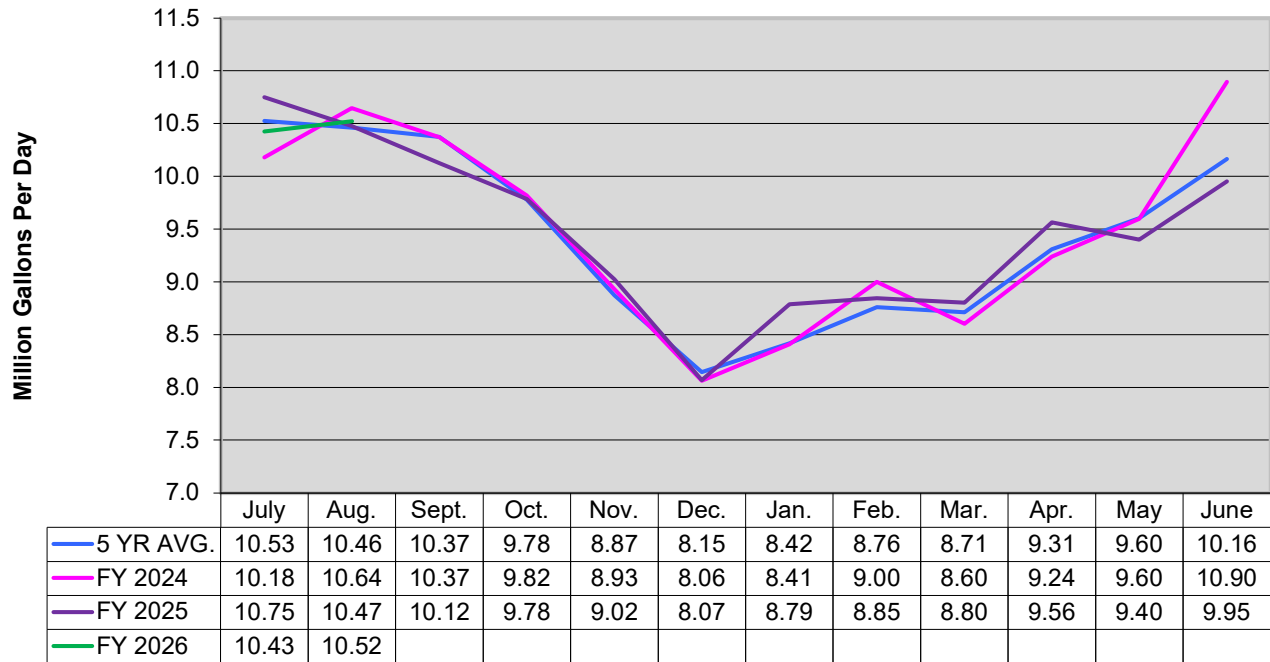
Glenmore Wastewater

Scottsville Wastewater

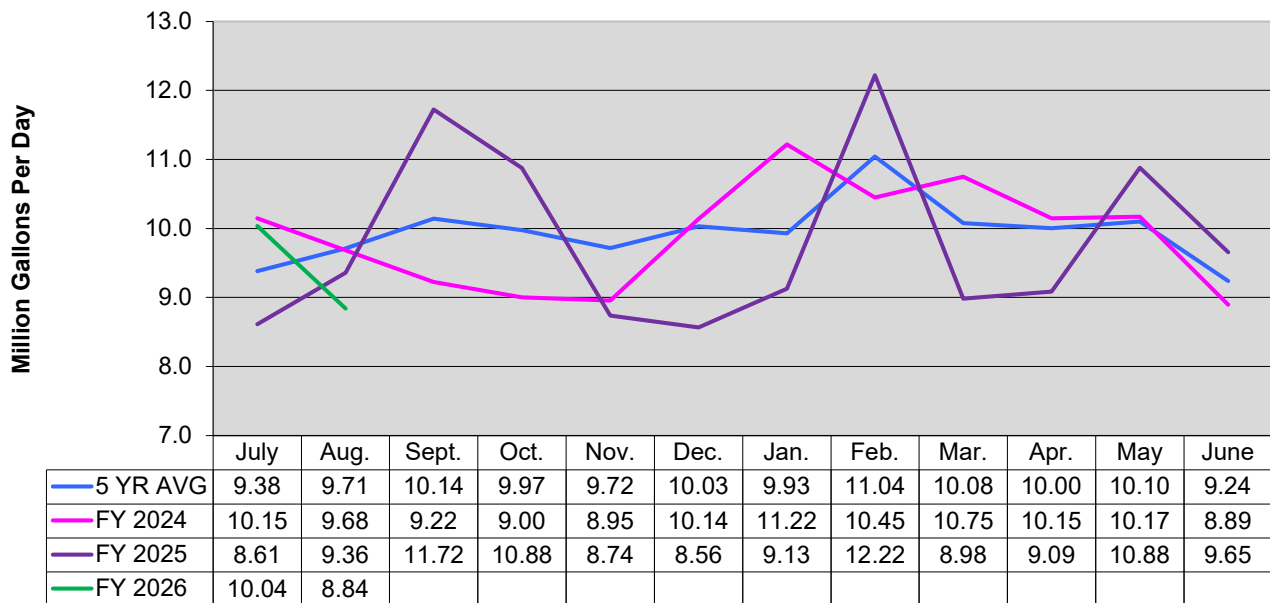
47.00%	\$ 1,373,130	\$ 228,855	\$ 232,396	\$ (3,541)
4.00%	116,862	19,477	19,778	(301)
2.00%	58,431	9,739	9,889	(151)
44.00%	1,285,483	214,247	217,563	(3,315)
1.50%	43,823	7,304	7,417	(113)
1.50%	43,823	7,304	7,417	(113)
100.00%	\$ 2,921,553	\$ 486,925	\$ 494,460	\$ (7,535)

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: INFORMATION TECHNOLOGY REPORT

DATE: OCTOBER 28, 2025

INFRASTRUCTURE – CORE SYSTEMS

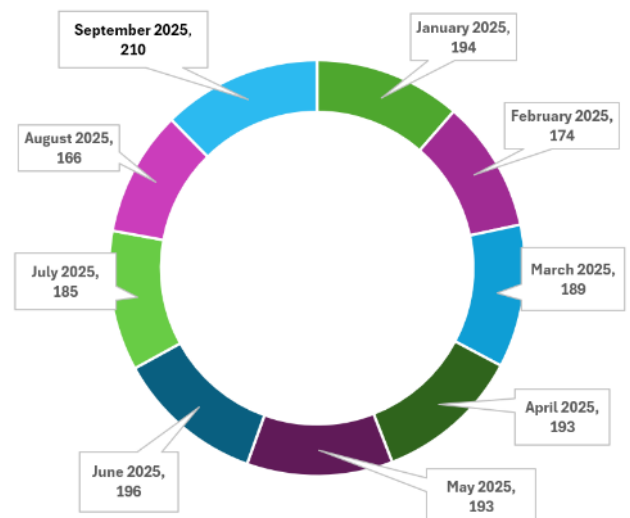
Background: Includes network operations, system administration, software and hardware deployment, and security management.

Last month the team:

- Resolved **135** Service Desk Tickets
- Deployed **15** replacement desktops

(Total of **209** Devices upgraded to Windows 11)

Service Desk Ticket Comparison



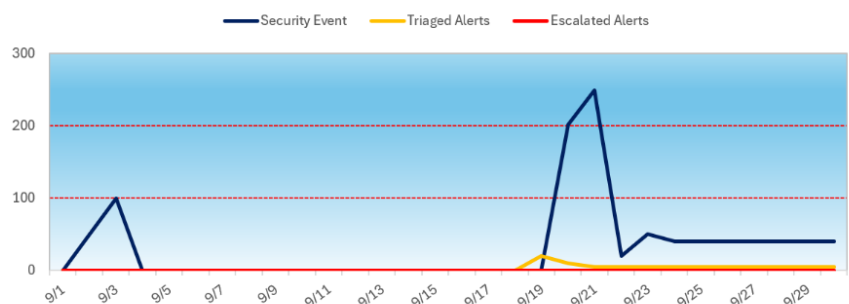
DIGITAL & PHYSICAL SECURITY

Background: Network Firewall Security **28** Devices

Last month there were:

- 706.5 M** Security logs Analyzed for suspicious network traffic
- 936** Threat Detections – All blocked
- 30** Categorized Security Alerts resolved

THREAT DETECTION TREND



SCADA / OPERATIONAL SYSTEMS

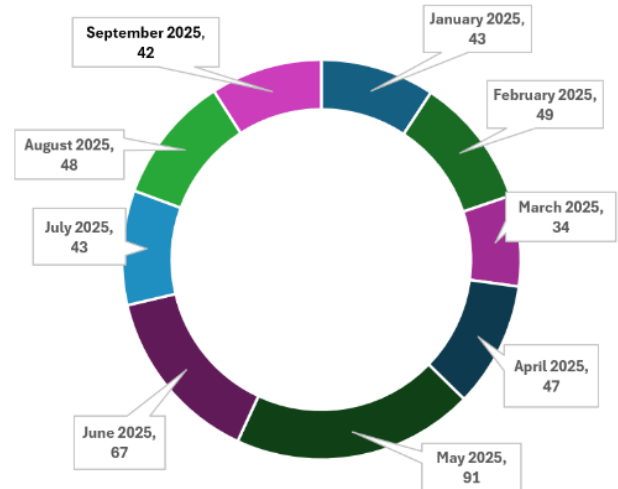
(SUPERVISORY CONTROLS AND DATA ACQUISITION)

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

Last month the team:

- Completed **31** SCADA service desk requests

Service Desk Ticket Comparison
SCADA



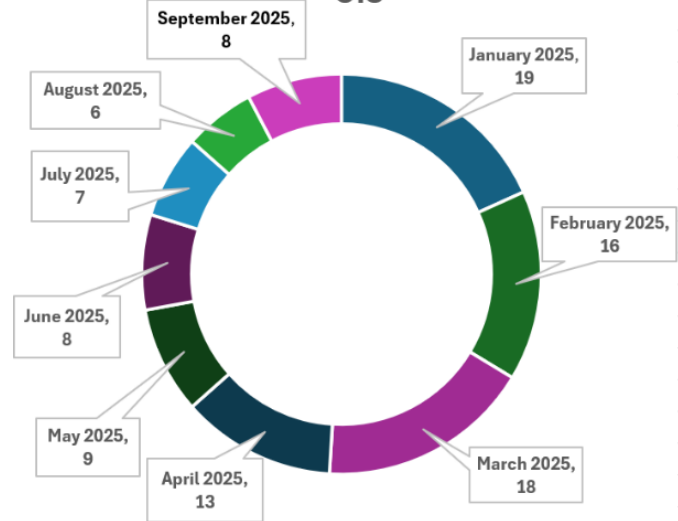
GIS (GEOGRAPHICAL INFORMATION SYSTEMS)

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.

Last month the GIS Coordinator:

- Digitalized **19** features (points, lines, polygons)
- Completed **75** Daily Inspection reports (for CIPs)
- Processed **32** MISS Utility reports
- Processed **37** Water inspections (GIS attributes adjusted)
- Processed **53** SS Inspections (GIS attributes adjusted)
- Completed **8** External data requests
- Applied **15** ArcPro updates
- Completed **9** Drone site visits for pictures of CIPs

Service Desk Ticket Comparison
GIS



IT Department's Large Project Participation

Infrastructure

In progress: MC Administration Building renovations – we have successfully migrated our administrative servers to the Private Cloud (Iron Mountain). We have plans in place to update our network configuration at Moores Creek to accommodate the temporary server room to house our network equipment and to ensure reliable and secure connectivity to the temporary Admin and IT trailers.

SCADA System

In progress: Continuing our support for the capital improvement projects throughout the authorities including replacement of the main PLC at the SRWTP, Red Hill WTP renovations, Crozet Pump FET remediation. We are working on our ICS Commissioning contract specifications for our vendors.

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 SEPTEMBER 2025

DATE: OCTOBER 28, 2025

WATER OPERATIONS:

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

<i>Water Treatment Plant</i>	<i>Average Daily Production (MGD)</i>	<i>Maximum Daily Production in the Month (MGD)</i>
South Rivanna	9.35	10.76 (9/2/2025)
Observatory	1.26	2.77 (9/25/2025)
North Rivanna	<u>0.13</u>	<u>0.21 (9/30/2025)</u>
<i>Urban Total</i>	10.74	12.09 (9/2/2025)
Crozet	0.76	1.04 (9/15/2025)
Scottsville	0.06	0.080 (9/3/2025)
Red Hill	<u>0.0018</u>	0.004 (9/14/2025)
<i>RWSA Total</i>	11.56	-

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

Status of Reservoirs (as of October 22, 2025):

- Urban Reservoirs are 95% of Total Useable Capacity
 - South Rivanna Reservoir is 100% full
 - Ragged Mountain Reservoir is 91% full
- Sugar Hollow Reservoir is 97% 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 September 2025. Performance of the WRRFs in September 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	8.73	<QL	9	<QL	22	<QL	2.2
Glenmore	0.123	<QL	15	3.3	30	NR	NL
Scottsville	0.041	<QL	25	3.3	30	NR	NL
Stone Robinson	0.0005	3	30	6.0	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 September 2025.

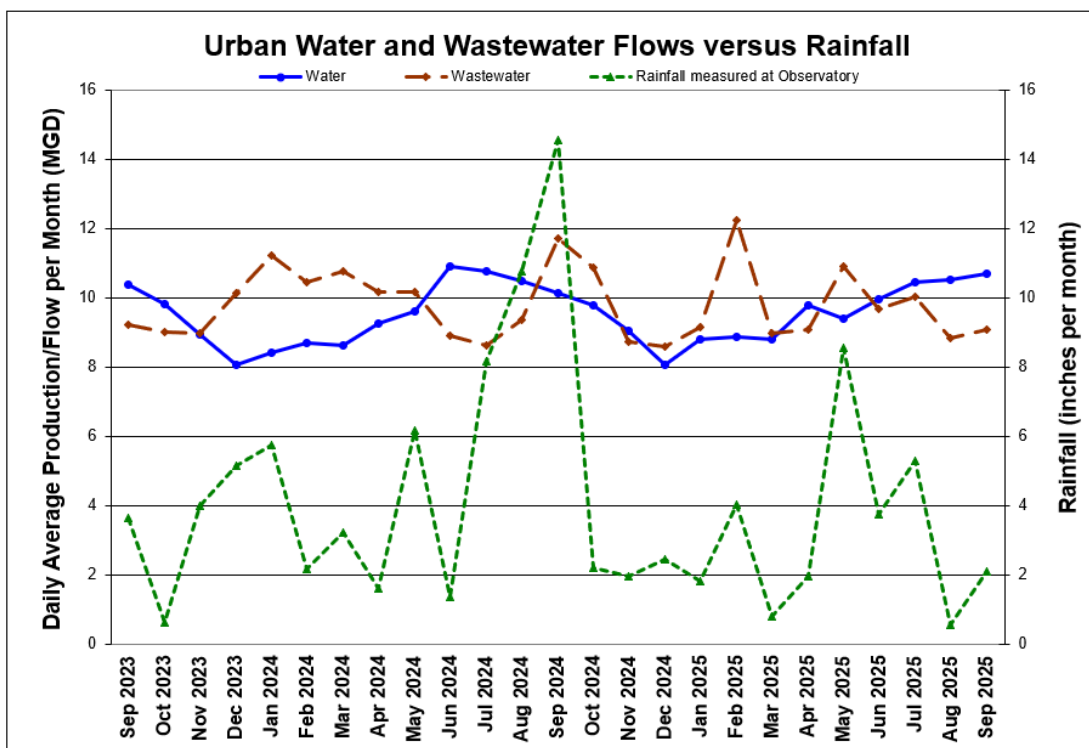
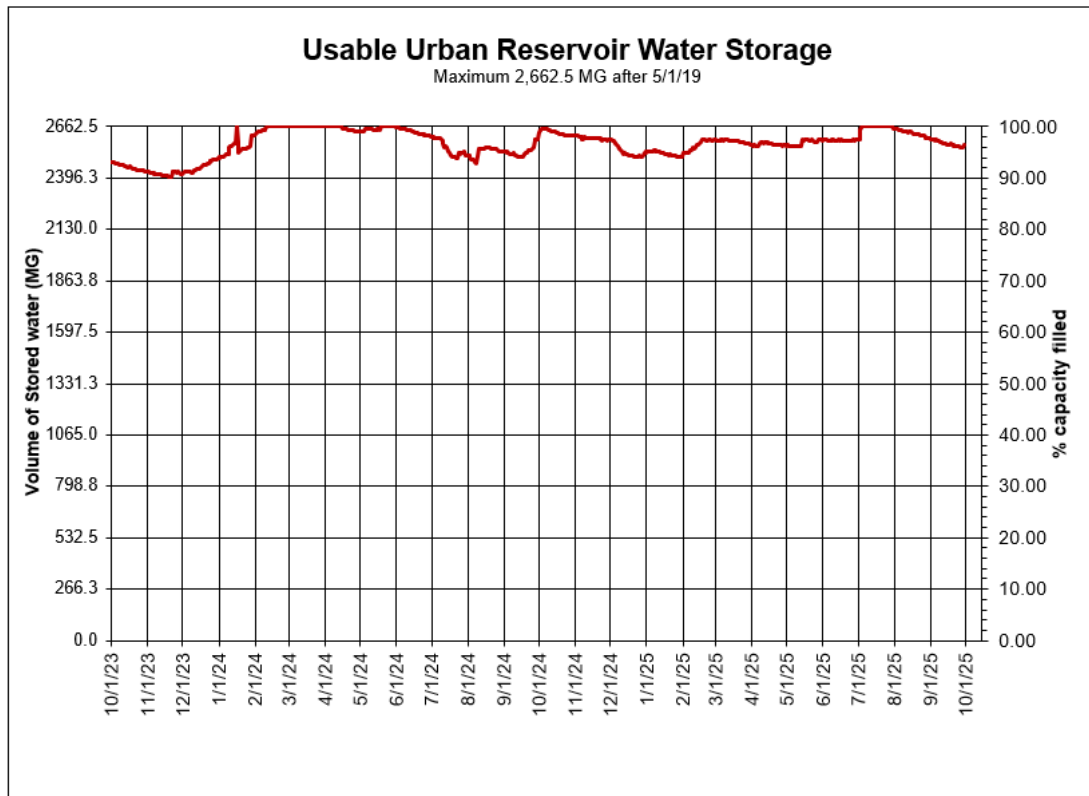
<i>State Annual Allocation (lb./yr.) Permit</i>		<i>Average Monthly Allocation (lb./mo.) *</i>	<i>Moore's Creek Discharge September (lb./mo.)</i>	<i>Performance as % of monthly average Allocation*</i>	<i>Year to Date Performance as % of annual allocation</i>
Nitrogen	282,994	23,583	6307	27%	28%
Phosphorous	18,525	1,636	360	22%	12%

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

WATER AND WASTEWATER DATA:

The following graphs are provided for review:

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





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

FROM: BETHANY HOUCHENS, WATER RESOURCES COORDINATOR

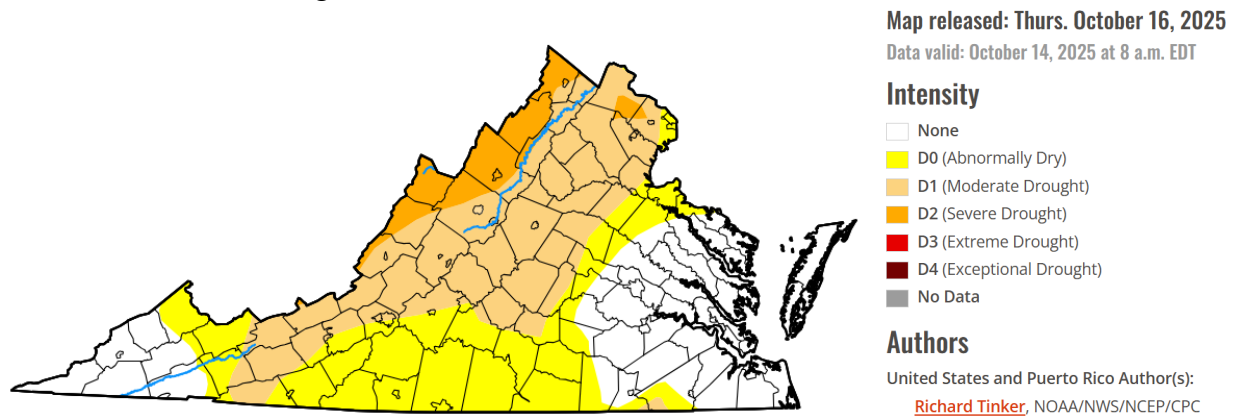
**REVIEWED: DAVE TUNGATE, DEPUTY EXECUTIVE DIRECTOR
BILL MAWYER, EXECUTIVE DIRECTOR**

SUBJECT: DROUGHT MONITORING REPORT

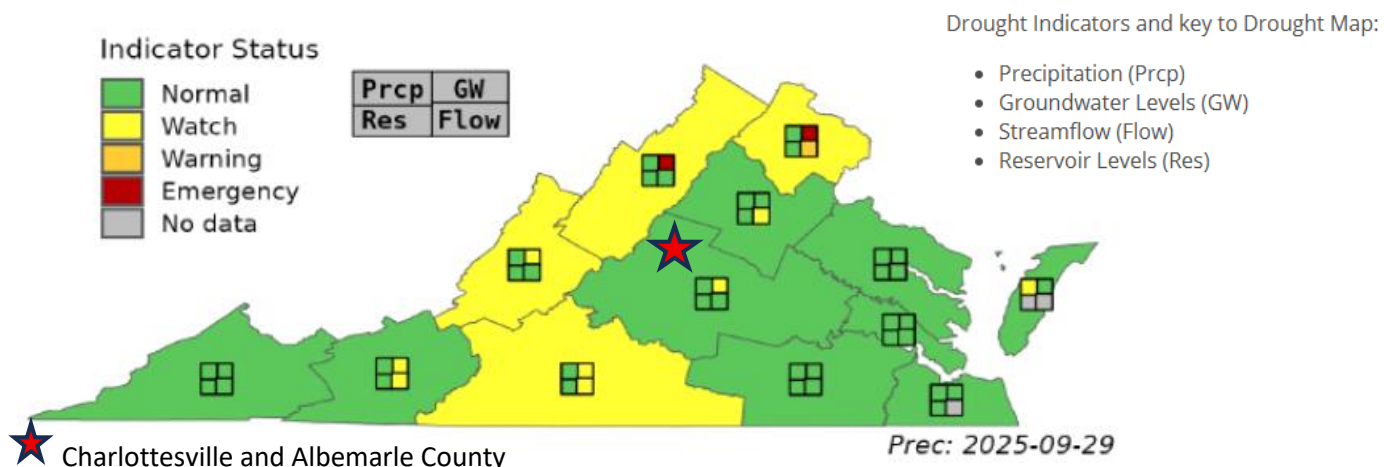
DATE: OCTOBER 28, 2025

State and Federal Drought Monitoring as of October 22, 2025:

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



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



Precipitation & Stream Flows

Charlottesville Precipitation					
Year	Month	Observed (in.)	Normal (in.)	Departure (in.)	Comparison to Normal (%)
2021	Jan - Dec	33.82	41.61	-7.79	-19
2022	Jan - Dec	43.53	41.61	+1.92	+5
2023	Jan – Dec	26.95	41.61	-14.66	-35
2024	Jan - Dec	39.56	41.61	-2.05	-5
2025	Jan-Sept	28.68	31.90	-3.22	-10.1

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

USGS Stream Gaging Station Near the Urban Area (Oct 11-Oct 17)				
Gage Name	Rolling 7-day Avg. Stream Flow		2024	
			Mean Streamflow	
	cfs	mgd	cfs	mgd
Mechums River	26.1	16.9	123.8	80
Moormans River	7.3	4.7	65.6	42.4
NF Rivanna River	17	11	77.2	49.9
SF Rivanna River	28.3	18.3	241.3	156

Mean streamflow for Oct 11th -16th 2024

Status of Reservoirs as of October 22, 2025

- Urban Reservoirs are 95% of Total Useable Capacity
- Beaver Creek Reservoir (Crozet) is 100% of Total Useable Capacity
- Totier Creek Reservoir (Scottsville) is 100% of Total Useable Capacity

Drought History in Central Virginia

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

MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

FROM: JENNIFER WHITAKER, DIRECTOR OF ENGINEERING & MAINTENANCE

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

SUBJECT: WHOLESALE METERING REPORT FOR SEPTEMBER 2025

DATE: OCTOBER 28, 2025

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

		<i>Month</i>	<i>Daily Average</i>	
City Usage (gal)		158,605,835	5,286,861	49.5%
ACSA Usage (gal)		161,920,286	5,397,343	50.5%
Total (gal)		320,526,121	10,684,204	

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 October 2024), and that usage relative to the maximum allocation for each party (6.71 MGD for the City and 11.99 MGD for ACSA). Completed in 2019 for a cost of about \$3.2 M, our Wholesale Metering Program consists of 25 remote meter locations around the City boundary and 3 finished water flow meters at treatment plants.

Note 1: Meter 14 lost connection and needed to have a battery replaced. The battery was replaced, and the meter is working properly again but some data was missing from during the time the meter was down. RWSA used a 3-month average to fill in the data for this meter for the month of September to alleviate this period of inconsistency.

[illegible][illegible]



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

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

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

SUBJECT: APPROVAL TO AMEND PROFESSIONAL ENGINEERING
SERVICES – RIVANNA PUMP STATION RECONSTRUCTION
PROGRAM CONTROLS IMPROVEMENTS – SHORT ELLIOT
HENDRICKSON INC.

DATE: OCTOBER 28, 2025

This request is to approve an increase of \$60,000 in the design services cost for additional construction administration and field services required to complete the startup and commissioning process associated with instrumentation and programming at the pump station. The total design contract with SEH will be \$416,540. This additional cost will not increase the approved CIP project budget.

Background

The RWSA utilized two design consulting engineers for the reconstruction project. Short Elliot Hendrickson (SEH) was tasked with design of the controls systems, including local control panels, Programmable Logic Controllers (PLC), Supervisory Control and Data Acquisition (SCADA), and programming services. Hazen and Sawyer (Hazen) was tasked with other design engineering disciplines, including mechanical, structural, HVAC, plumbing, electrical, instrumentation, and others as required. MEB Contracting was contracted to construct the project via a separate term services contract.

Due to the significant cost associated with the temporary bypass pumping system, there was a need to prioritize portions of the control system implementation process and phase the overall pump station startup over a longer period. This required a higher level of startup and commissioning services than originally anticipated in the Work Authorization. Part of this phased approach also resulted in additional field coordination and meetings over five months in addition to the phased commissioning process.

Board Action Requested:

Authorize a \$60,000 increase in the design services contract with SEH for the Rivanna Pump Station Reconstruction Program Controls Improvements project to complete startup and commissioning services.



MEMORANDUM

TO: RIVANNA WATER & SEWER AUTHORITY
BOARD OF DIRECTORS

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

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

SUBJECT: CAPITAL IMPROVEMENT PLAN AMENDMENT AND
APPROVAL OF CONSTRUCTION CONTRACT AWARD –
SCOTTSVILLE WATER RESOURCE RECOVERY FACILITY
WHOLE PLANT GENERATOR AND AUTOMATIC TRANSFER
SWITCH – CARRICK CONTRACTING CORPORATION

DATE: OCTOBER 28, 2025

This request is to authorize award of a contract in the amount of \$825,425 to Carrick Contracting Corporation for the Scottsville Water Resource Recovery Facility (SVWRRF) Whole Plant Generator and Automatic Transfer Switch Project. An amendment to increase the FY 26-30 CIP funding for this project totaling \$843,000 is also requested. The total budget for this project will be \$1,363,000. RWSA was previously awarded \$525,960 as part of FEMA and VDEM's Hazard Mitigation Program and will be submitting an amendment request to pursue additional funds.

Background

RWSA owns and operates the SVWRRF, as well as the Scottsville Wastewater Pump Station (SVWWPS), located in downtown Scottsville. The current back-up power generator at the SVWRRF does not power the entire plant. It serves only the facilities needed to send flow to the lagoon for storage and UV disinfection. In addition, the generator at SVWWPS is over 30 years old and has outlived its useful service life. This project will provide back-up power for the entire plant and influent pump station and will offer greater treatment flexibility and monitoring capability for the operations staff, particularly when the plant is unmanned and monitored remotely. As this project will be funded by FEMA and VDEM through the Hazard Mitigation Program, per FEMA/VDEM guidelines, the design was modified to include a platform, to raise the generator and associated equipment above the 500-year floodplain.

An Invitation for Bids (IFB #404) was issued on August 26th, 2025. A pre-bid conference was held on September 4th, and a group site visit was conducted on September 5th. Construction bids were opened for the project on October 2nd, 2025, and three bids were received from Carrick Contracting Corporation (\$825,245) and Waco, Inc (\$1,226,900), and Maverick Construction, LLC (\$2,175,820).

The documents were reviewed, and Carrick's bid was found to be both responsive and responsible. Our staff and consultant engineer recommend an award to Carrick, in the amount of \$825,245. The CIP budget for the SVWRRF Whole Plant Generator and ATS Project is currently \$520,000. Incorporating Carrick's bid along with design and construction administration costs, as well as pre-procurement of the generator by RWSA through the Sourcewell program, would represent an increase to the CIP budget of \$843,000 for a total of \$1,363,000.

Board Action Requested:

1. Approve an amendment to the FY 26 – 30 CIP for the SVWRRF Whole Plant Generator and ATS Project to increase the budget by \$843,000 to a total budget of \$1,363,000.
2. Authorize the Executive Director to award a construction contract to Carrick Contracting Corporation for a total amount of \$825,245 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



Emergency Power Generator and Automatic Transfer Switch for the Scottsville Water Resources Recovery Facility and Pump Station– CIP Amendment & Construction Award

Presented to the Board of Directors by:
G. Austin Marrs, P.E., Senior Civil Engineer
October 28th, 2025



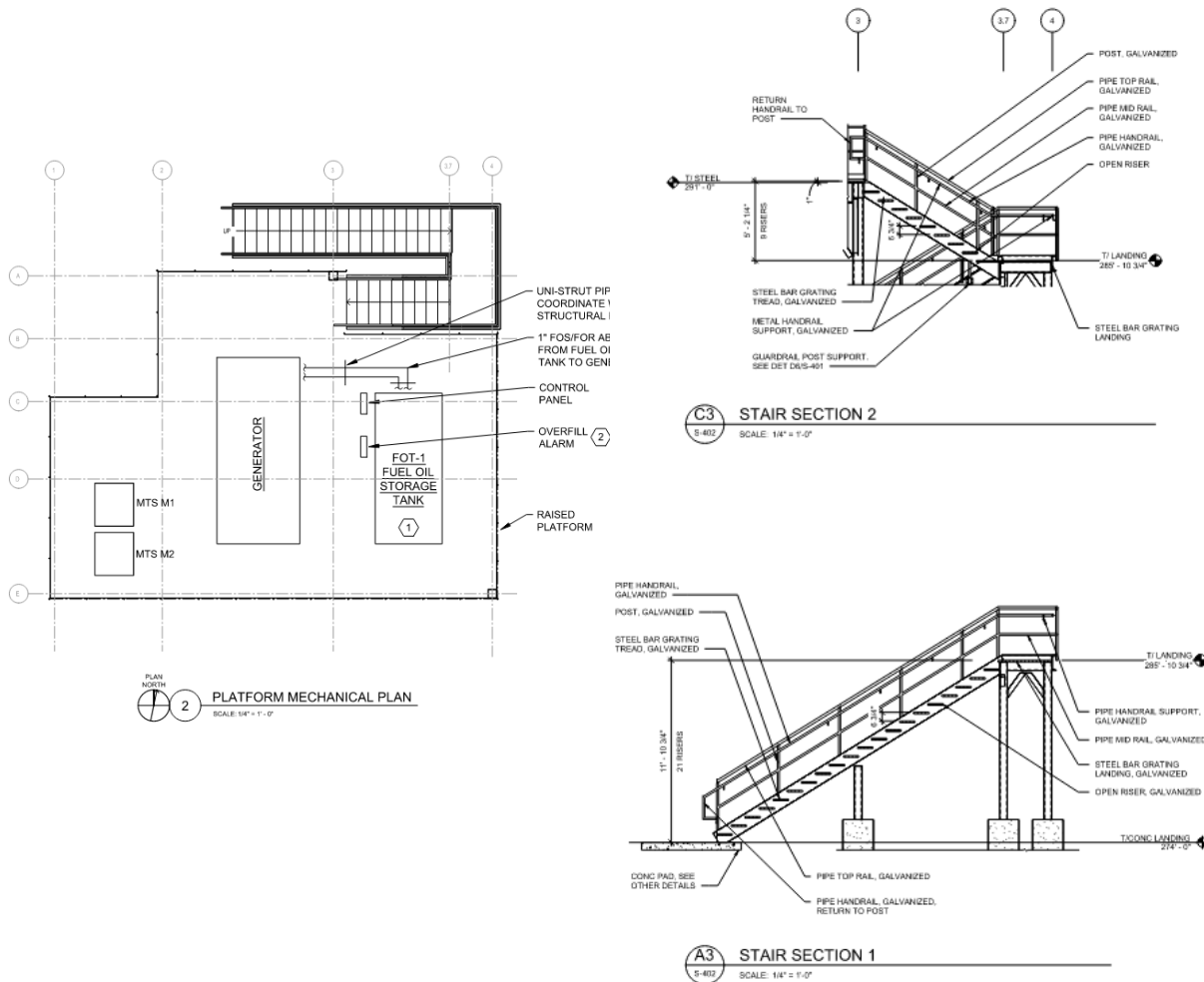
Scottsville WRRF & WWPS Whole Plant Generator & ATS

- Existing generator at the WWPS over 30 years old
 - outlived useful service life
- Back-up power currently only available for a portion of the facility – cannot maintain full treatment
- New generator will provide backup electric power for the entire facility and create greater resilience to severe weather events
- Project was presented to Scottsville Council and Town Manager
- \$525,960 grant awarded through FEMA/VDEM Hazard Mitigation Program – required generator and equipment to be located above 500-yr floodplain – additional grant funding will be requested (95% of project cost)
- Construction Award recommended to Carrick Contracting Corporation (Lake Park, FL with local office in Williamsburg, VA)
- Contract Amount: \$825,245



PROJECT OVERVIEW

Scottsville WRRF & WWPS Whole Plant Generator & ATS



GENERATOR PLATFORM

BUDGET AND SCHEDULE

- Current CIP Budget - \$520,000
- 3 Bids received from:
 - Carrick Contracting Corp. (\$825,245)
 - Waco, Inc. (\$1,226,900)
 - Maverick Construction, LLC (2,175,820)
- Requested CIP Budget: \$1.36M
- Construction Schedule: Jan 2026 – June 2027



BUDGET DETAILS

•Engineering Design	\$154,385
•Generator purchased by RWSA	\$181,344
• Construction Contract (Carrick)	\$825,245
• Construction Contingency (10%)	\$82,525
• Construction Administration & Inspection	\$99,029
•Legal, Real Estate, Misc.	<u>\$19,850</u>
•Total Budget Needed	\$1,363,000
• Current CIP Budget	<u>\$520,000</u>
• Amendment Needed	\$843,000

QUESTIONS?

Board Action Requested:

1. Approve an amendment to the FY 26 – 30 CIP for the SVWRRF Whole Plant Generator and ATS Project to increase the budget by \$843,000 to a total budget of \$1,363,000.
2. Authorize the Executive Director to award a construction contract to Carrick Contracting Corporation for a total amount of \$825,245 and any change orders to the construction contract necessary for completion of the work not to exceed 10% of the original construction contract award.



Observatory Water Treatment Plant Sodium Hypochlorite Tank Replacements

Presented to the Board of Directors by:

Dyon Vega, Civil Engineer

October 28, 2025





- Hypochlorite is used to disinfect drinking water from a spectrum of microorganisms
- 2 existing 12,000 gallon fiberglass storage tanks will be replaced since they have exceeded their service life of 20 years
- 2 new tanks high density polyethylene tanks will be provided. HDPE tanks have a longer warranty, shorter delivery time, and lower initial cost than FRP.

BACKGROUND AND EXISTING TANKS

Received 4 bids: \$227 – 449 k

Waco, Inc: \$227 k

Design and CA/CI costs: \$36 k

Contingency: \$30 k

Total Project Budget: \$293 k

Within FY 27 – 31 CIP Budget: \$371 k

Construction: September 2026 - July 2027



BID RESULTS AND BUDGET

QUESTIONS?

Board Action Requested:

Authorize the Executive Director to execute a construction contract with WACO, Inc. totaling \$227,000 to replace two sodium hypochlorite storage tanks at the Observatory Water Treatment Plant.



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: AWARD OF SERVICE CONTRACT FOR GRANULAR ACTIVATED
CARBON REPLACEMENT – CALGON CARBON**

DATE: OCTOBER 28, 2025

This request is to authorize the Executive Director to execute a term contract with Calgon Carbon to provide virgin and reactivated granular activated carbon (GAC) material for our Water Treatment Plants. The GAC cost for our plants, except Scottsville, will be \$1.76/lb. for virgin GAC and \$1.25/lb. for reactivated GAC. The cost for GAC at the Scottsville Water Treatment Plant will be \$2.00/lb for virgin GAC and \$1.50/lb for reactivated GAC. The unit price for Scottsville is higher due to the small load (12,000 lbs) of GAC delivered from the Calgon facility in New York. The initial contract term is for two years, which can be renewed for two additional two-year terms. The annual cost will be approximately \$1.55M for the first year to change our GAC inventory over to the new product. Following that transition, the annual cost will be approximately \$1.24M using reactivated GAC.

We solicited bids in September 2025 for GAC (IFB 431) that had a smaller granular size than currently utilized. This was a performance-based bid evaluated by a third-party laboratory. The laboratory verified that the smaller GAC (12x40 mesh) product had the ability to treat a higher volume of water before reactivation is needed. This second GAC bid would give us flexibility to use an additional GAC product at our water treatment plants. This evaluation process was identical to the process used in 2020 to assess the effectiveness of the current GAC (8x30) product.

Some of the important requirements of the GAC bid specification were:

Provider must have:

1. the ability to reactivate our exhausted GAC.
2. the ability to store all RWSA reactivated GAC (652,000 lbs).
3. virgin and reactivated GAC.
4. ability to deliver GAC within 20 days of request.
5. the ability to acid wash the GAC prior to delivery.

Calgon Carbon, Pittsburgh, PA., was the lowest responsive and responsible bidder at \$1.76 per pound of virgin GAC. This contract secures a price of \$1.76/lb. for virgin GAC for all of our water treatments plants, except Scottsville, where the bid was for \$2.00/lb. The current virgin GAC (8x30 mesh) product cost is \$1.66/lb. The initial contract term is for two years, which can be renewed for two additional two-

year terms. While the initial cost of GAC will increase as shown below, the higher efficiency of the new product will decrease our annual cost by an estimated \$ 0.286M.

GAC in RWSA system (lbs)	GAC price/lb.	Total Cost	Total additional cost with new contract
652,000	\$1.66 (current virgin)	\$1,082,320	-
652,000	\$1.76 (new virgin)	\$1,147,520	\$65,200
652,000	\$1.22 (current reactivated)	\$799,440	-
652,000	\$1.25 (new reactivated)	\$815,000	\$15,560

Board Action Requested:

Authorize the Executive Director to execute a term contract with Calgon Carbon to provide virgin and reactivated GAC material to our Water Treatment Plants, except Scottsville, for a price of \$1.76/lb. for virgin GAC and \$1.25/lb. for reactivated GAC, and to the Scottsville Water Treatment Plant \$2.00/lb for virgin GAC and \$1.50/lb for reactivated GAC. The initial contract term is for two years, which can be renewed for two additional two-year terms. The annual cost will be approximately \$1.55M for the initial transition to the new virgin product. Following that transition, the annual cost will be approximately \$ 1.24M using reactivated GAC.



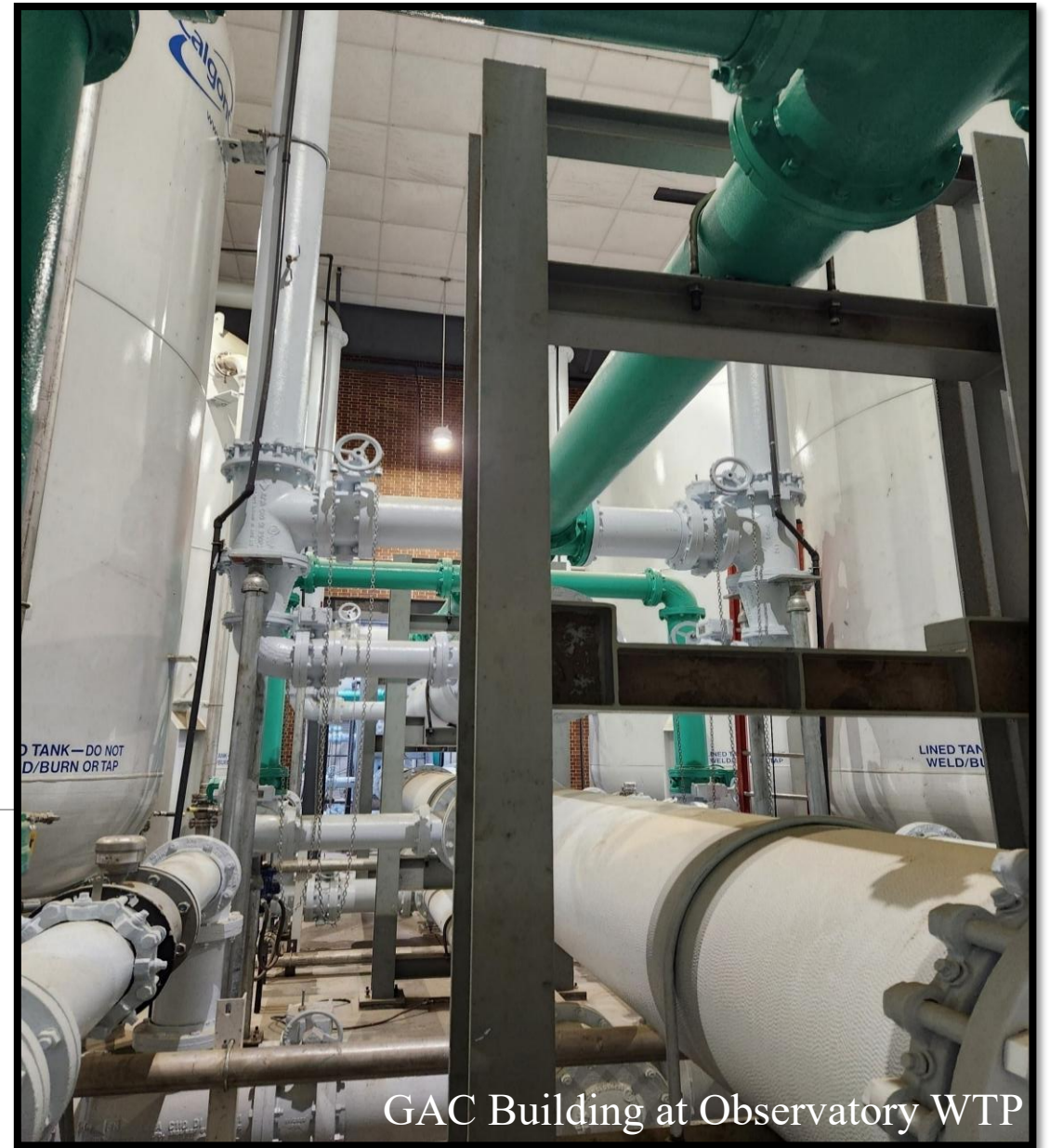
Granular Activated Carbon Replacement

PRESENTED BY:

DANIEL G. CAMPBELL, DIRECTOR OF OPERATIONS
& ENVIRONMENTAL SERVICES

RWSA BOARD OF DIRECTORS

OCTOBER 28, 2025





South Rivanna WTP

8 Contactors
320,000 pounds of GAC
8 MGD GAC Capacity



Observatory WTP

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



Scottsville WTP

2 Contactors
12,000 pounds of GAC
0.25 MGD GAC Capacity



Crozet WTP

2 Contactors
40,000 pounds of GAC
1 MGD GAC Capacity

Upcoming:

2 Additional Contactors add
80k additional pounds of GAC
Additional Capacity: 2 MGD



Upcoming: Red Hill WTP

1 Contactor
1,000 pounds of GAC
0.007 MGD Capacity



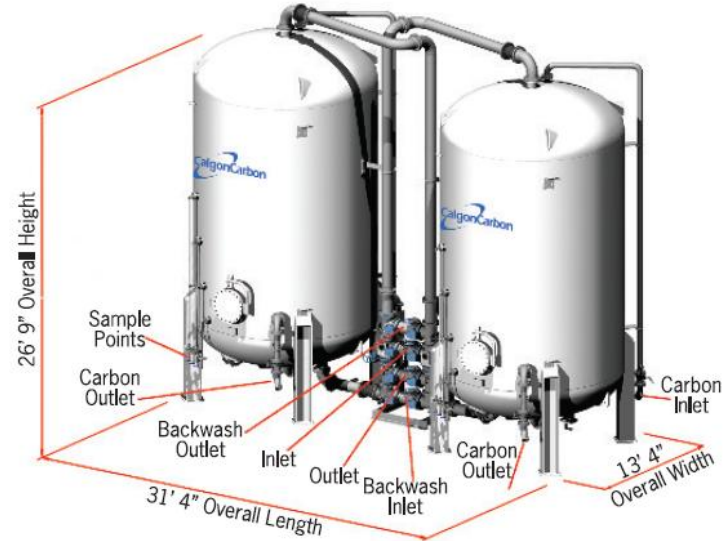
North Rivanna WTP

1 Contactor
40,000 pounds of GAC
1 MGD GAC Capacity

RWSA operates 3 models of GAC Contactors

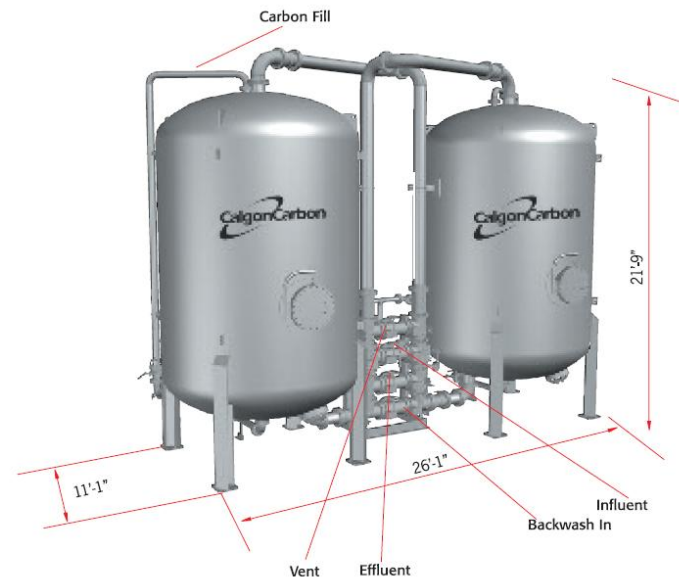
MODEL 12-40

Modular Carbon Adsorption System



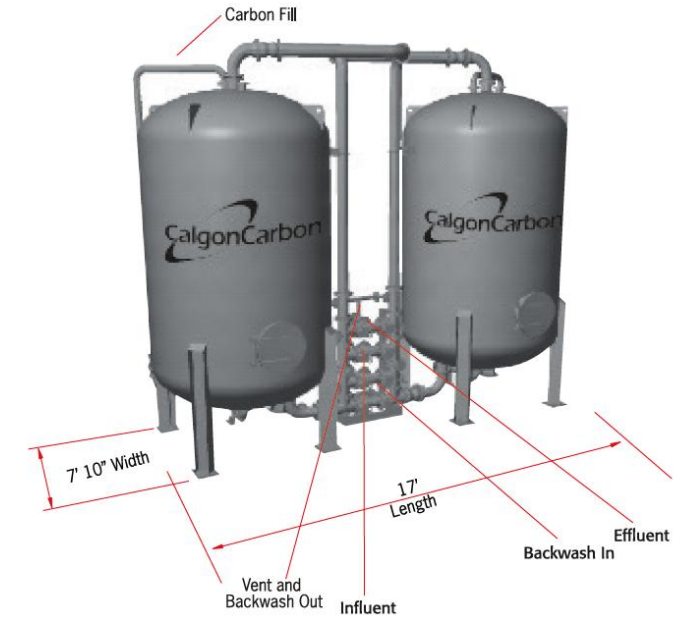
MODEL 10

Modular Carbon Adsorption System



MODEL 6

Modular Carbon Adsorption System



Current Budget & Pricing

- RWSA has 652,000 pounds of GAC in service
- Annual budget of \$1.2 M for GAC exchanges with approximately 1.5 GAC exchanges at each facility
- Reactivated GAC is used as much as possible
- Current product is Calgon Filtrasorb F300 (8x30 or ~0.9mm) product

GAC Bid Pricing 2/1/2025 – 1/31/2026	RWSA WTP's (\$/lb)
Virgin F 300	\$1.66
Reactivated	\$1.22



Invitation For Bid 431

- The Crozet GAC expansion design required GAC performance testing. An indirect result of this test indicated that a smaller sized GAC product has a higher removal capacity and was more efficient.
- In June 2025, RWSA designed a performance-based bid process to determine the best smaller sized GAC product for RWSA use. This way RWSA has both GAC products available if needed.

RIVANNA WATER & SEWER AUTHORITY
695 Moores Creek Lane, Charlottesville, VA 22902-9016
(434) 977-2970 www.rivanna.org

June 25, 2025

INVITATION TO BID

IFB No. 431

FOR: Granular Activated Carbon Replacement

BID DUE DATE: September 26, 2025
3:00 p.m., Local Time

Other Key Dates:

RFP Issue Date	June 25, 2025	
GAC Samples Delivered to RWSA	July 9, 2025	4:00 pm Local Time
Results From RSSCT Provided to Bidder	September 5, 2025	4:00 pm Local Time
Last Date for Questions Submitted to RWSA	September 15, 2025	12:00 p.m. (Noon) Local Time
Final Bid Due Date	September 26, 2025	3:00 pm Local Time

PROCUREMENT CONTACT:

Lonzy E. Wood
Director of Finance and Information
Technology
695 Moores Creek Lane
Charlottesville, VA 22902-9016
(434) 977-2970, ext. 198
lwood@rivanna.org

TECHNICAL CONTACT:

Daniel Campbell
Director of Operations and Environmental
Services
(434) 977-2970 x154
dcampbell@rivanna.org



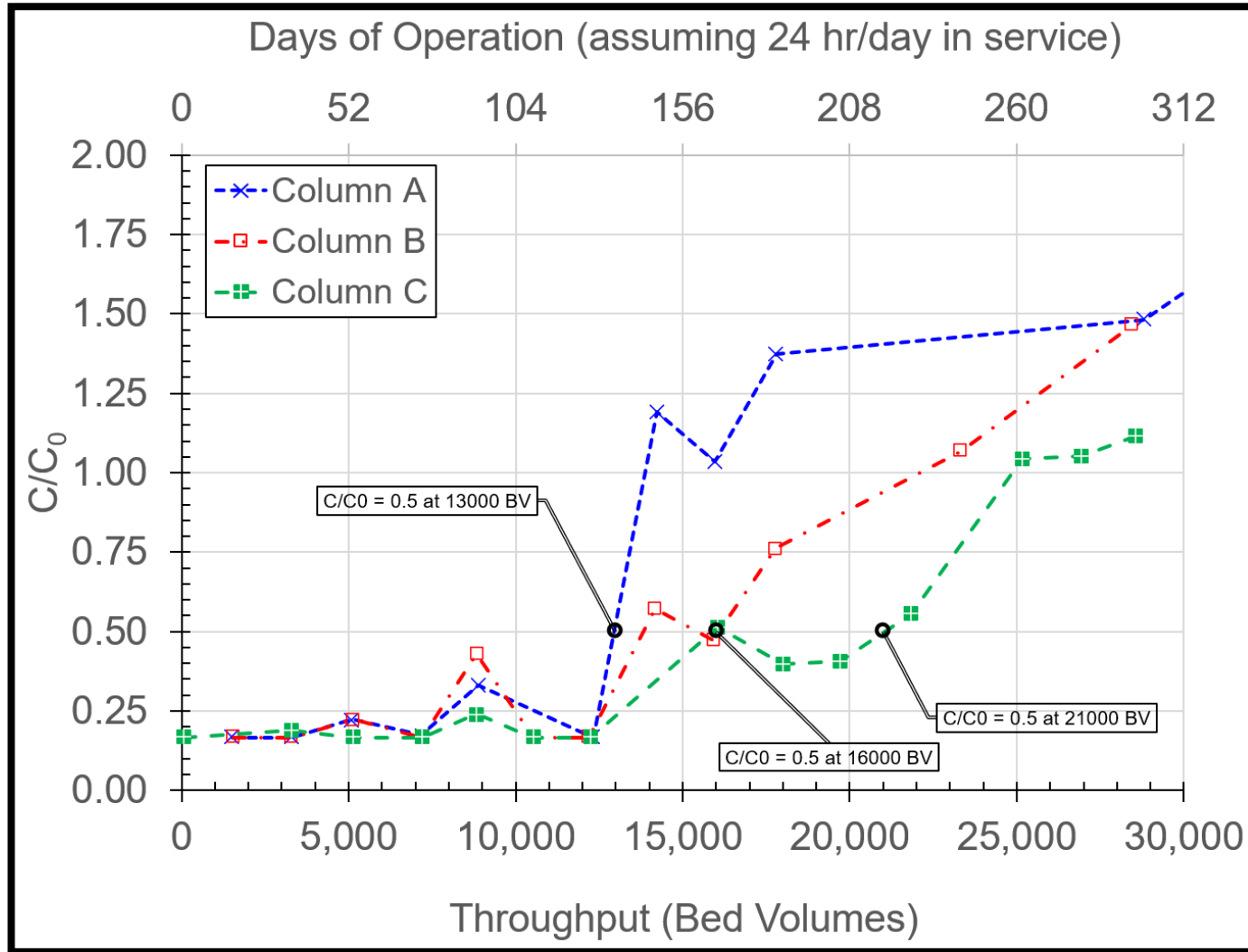
GAC evaluation process

- GAC evaluation simulated RWSA water plant conditions. Test measured how many gallons of water GAC can treat before it is exhausted.
- South Rivanna water was used for testing
- Three different GAC vendors submitted products to be tested
- All GAC products submitted were blind tested by the same third-party lab.



GAC contactors at South Rivanna WTP

Testing Results



Sample A	
Carbon Activated Corporation	
RSSCT GAC SAMPLE PRODUCT RESULTS	
Bidder/Vendor/Supplier	Carbon Activated Corp.
Sample Product(s)	GAC 400 Lot #5406945
Product (sample) ID No(s)	Sample A
Test Results in Bed Volumes (BV)	13,000
Bid Price (per lb)	
Virgin - \$2.15	Reactivated - \$1.28

Sample B	
Norit Activated Carbon	
RSSCT GAC SAMPLE PRODUCT RESULTS	
Bidder/Vendor/Supplier	Norit Activated Carbon
Sample Product(s)	NORIT GAC 400 P -1079
Product (sample) ID No(s)	Sample B
Test Results in Bed Volumes (BV)	16,000
Bid Price (per lb)	
Virgin - \$2.75	Reactivated - \$1.65

Sample C	
Calgon Carbon	
RSSCT GAC SAMPLE PRODUCT RESULTS	
Bidder/Vendor/Supplier	Calgon Carbon
Sample Product(s)	FILTRASORB 400
Product (sample) ID No(s)	Sample C
Test Results in Bed Volumes (BV)	21,000
Bid Price (per lb)	
Virgin - \$1.76	Reactivated - \$1.25

GAC Comparison

GAC Media	F300 (Current)	F400
Size	0.9 mm	0.7 mm
Capacity (Bed Volumes)	16,000	21,000
Approx. Water Treated / Yr	1.35 BG	1.68 BG
Virgin Cost (\$/lb.)	\$1.66	\$1.76
Reactivated Cost (\$/lb.)	\$1.22	\$1.25
Approx cost per MG *	\$398.40	\$321.83

* If all the existing GAC material was changed to F400, estimated annual savings would be **\$0.3 M**.

Questions?

Board Action Requested:

Authorize the Executive Director to award a contract to Calgon Carbon for Granular Activated Carbon services for an estimated annual cost of \$1.5 M.



Ragged Mountain RWPS and Pipeline

Major Capital Projects Update



Presented to the Board of Directors
By Scott Schiller, Engineering Manager
October 28, 2025

Under Construction

Ragged Mtn Reservoir to OBWTP – Water Line and Pump Station

- Replaces outdated infrastructure – 40- and 70-year-old pump stations (2) and 70–110-year-old water lines and improves raw water conveyance capacity to OBWTP
- 4 miles of 36" pipe; 10 mgd raw water pump station
- Completed water main installation on Hereford Drive and Fontaine Ave
- Starting pump station construction
- Thalle Construction
- Construction: February 2025 – June 2029
- Budget \$61.5 M



Hereford Drive

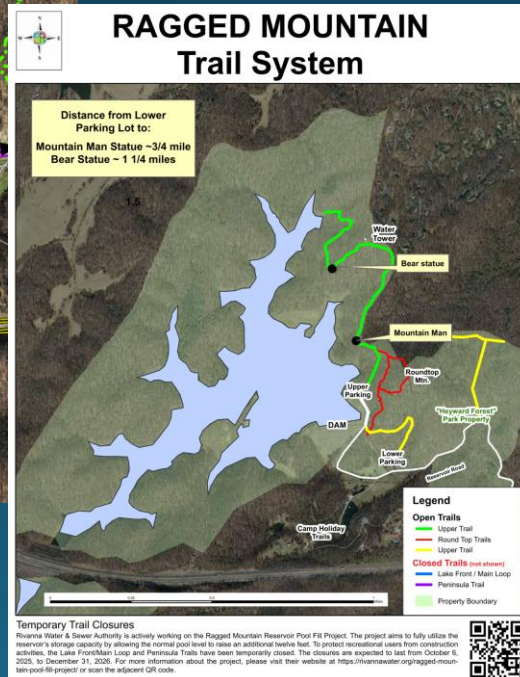
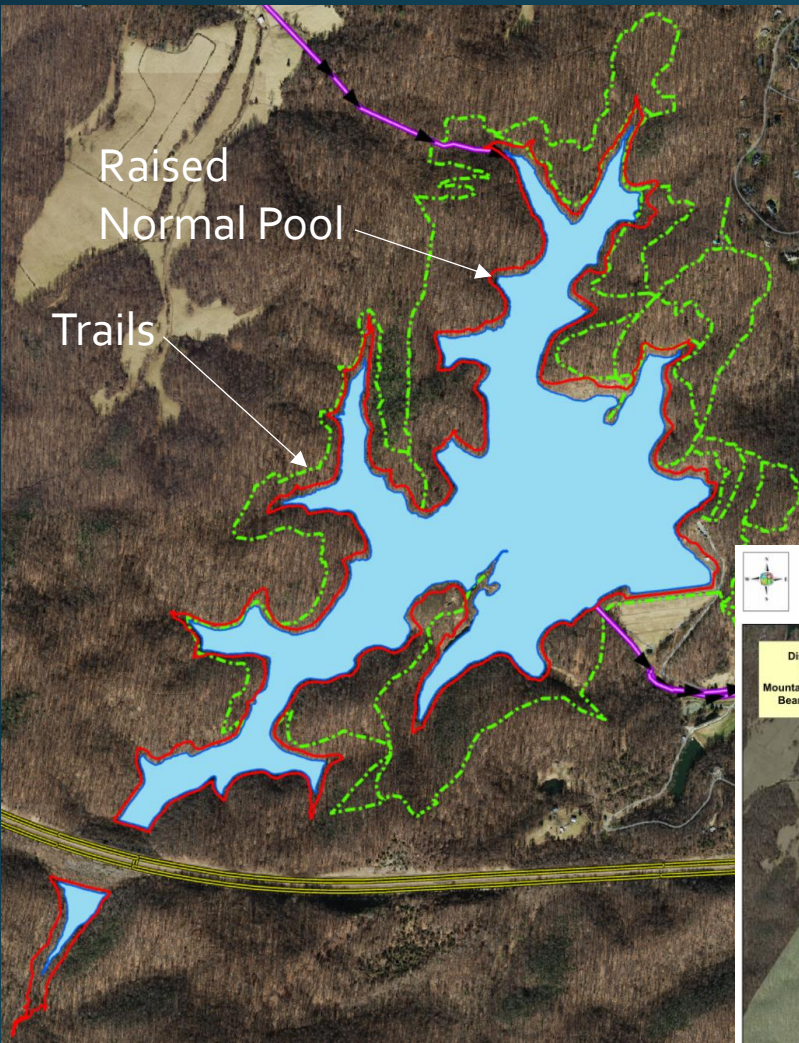


Pipe Installation



Ragged Mountain Reservoir Pool Raise

- Raises normal pool 12', from El. 671 to El. 683
- Clearing around the reservoir, minor modifications to intake tower, and installation of a blanket drain in the dam
- Began road improvements to facilitate reservoir access
- Clearing to begin in November 2025
- Faulconer Construction
- Construction: September 2025 – December 2026
- Budget \$13.2 M

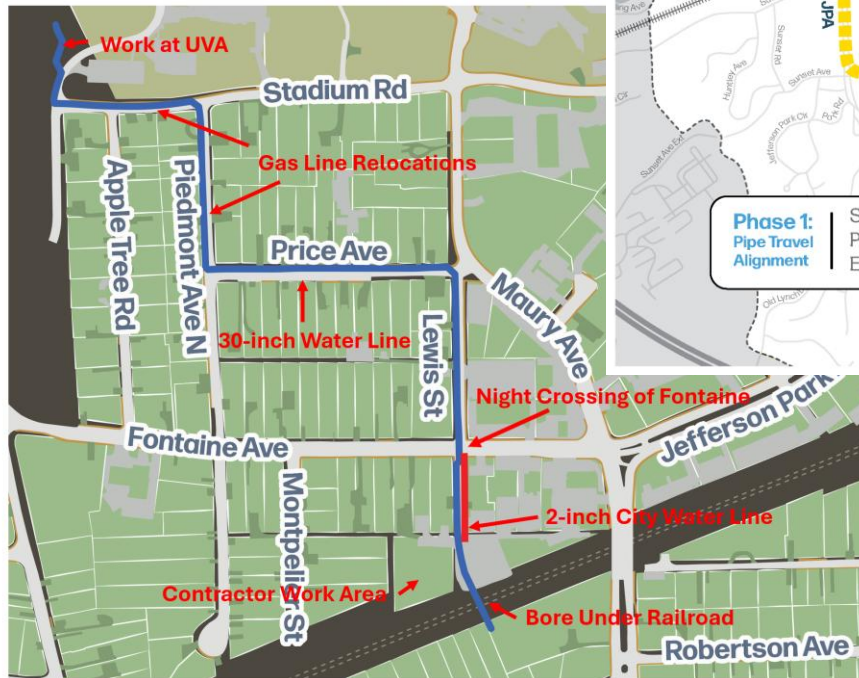


Central Water Line – Phase 1

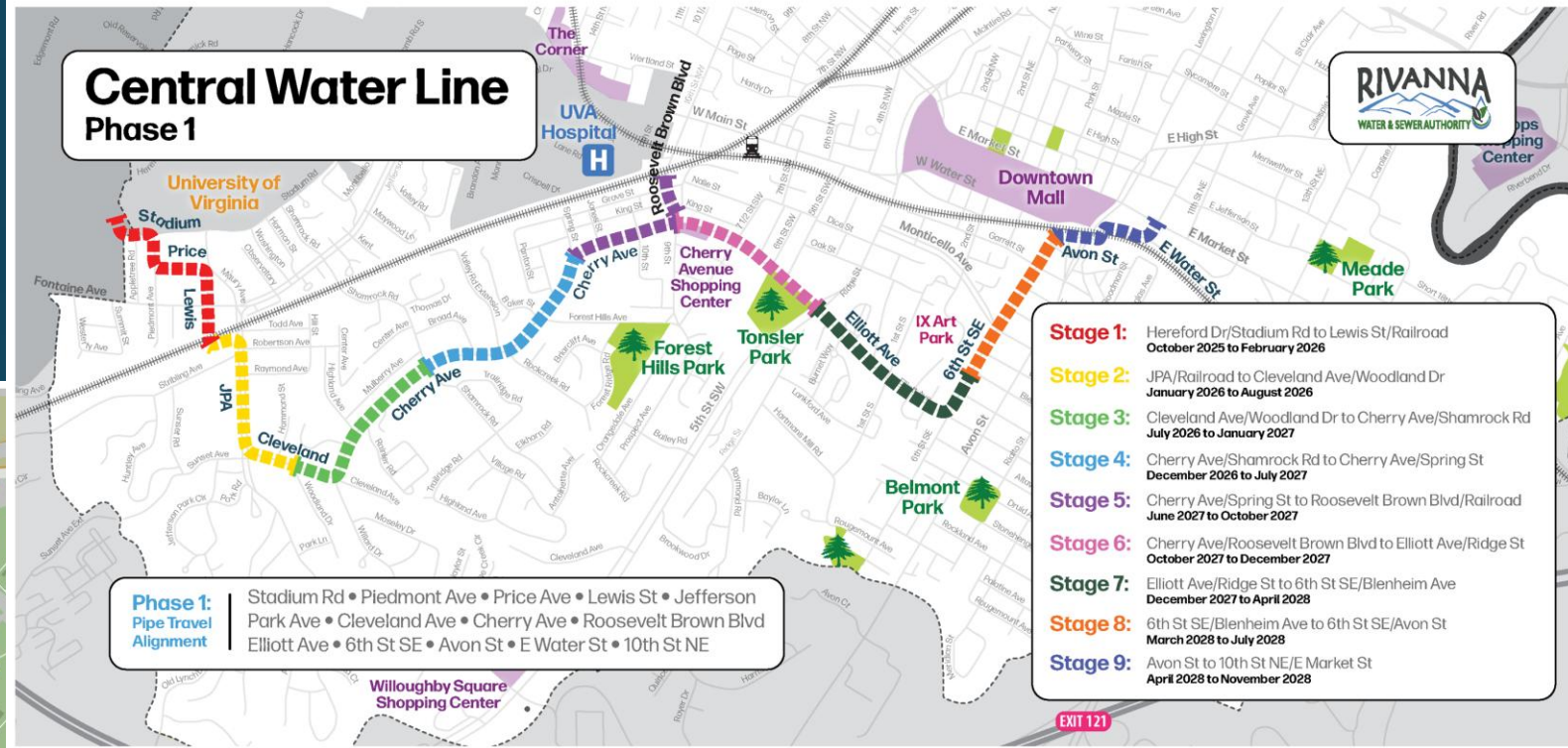
- Improve water flow, pressure, redundancy in Urban System
- 5 miles of 24 & 30" pipe; 2 crossings under railroad
- Stage 1 work to begin week of October 27th
- Sagres Construction
- Construction for Phase 1: October 2025 – December 2029
- Budget \$58 M

Stage 1 Work Plan

- Start work at the end of Lewis St and work towards UVA
- Railroad crossing will be concurrent
- Work at UVA is required between December 19, 2025 - January 11, 2026



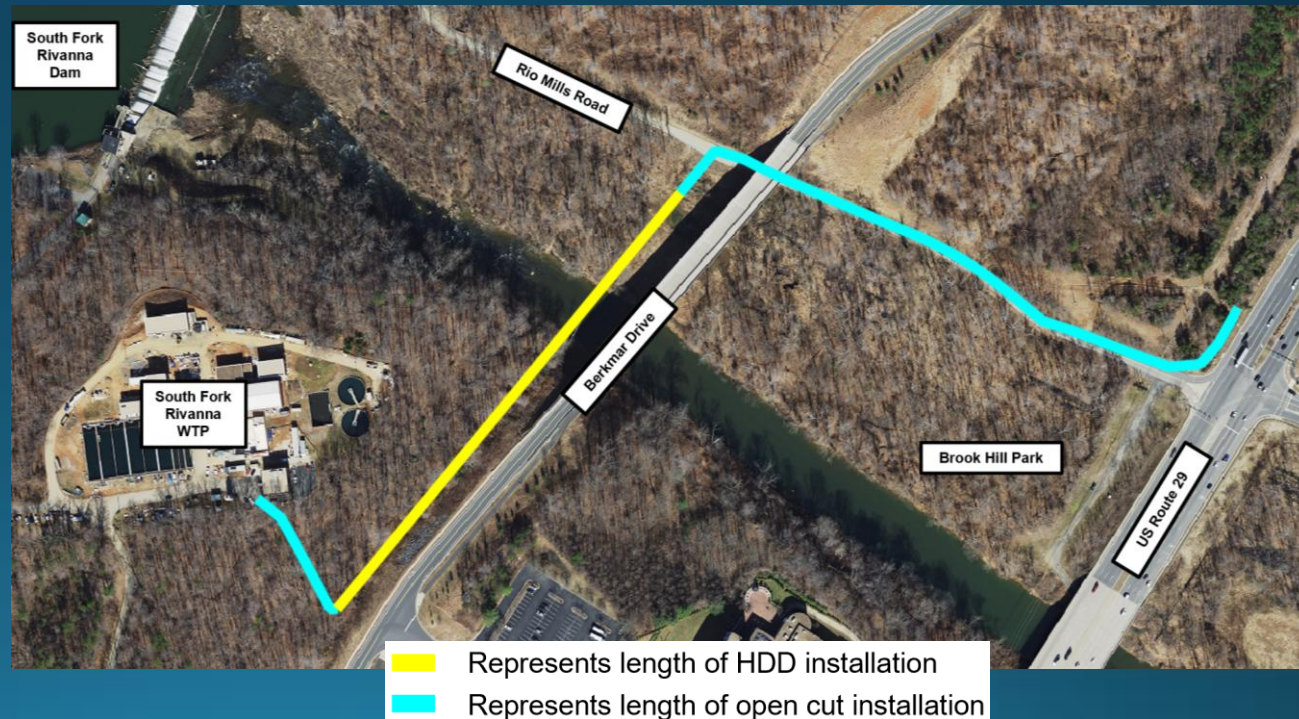
Central Water Line Phase 1 – Sagres Stages and Schedule of Work



South Fork Rivanna River Crossing



- Second pipe, high density polyethylene, drilled under the South Rivanna River
- HDD work continues, installing pipe in Rio Mills Road
- Faulconer Construction
- Construction: December 2024 - January 2027
- Budget \$6.3M



MC Structural and Concrete Rehabilitation

- Repairs throughout plant including holding ponds, EQ basins, primary clarifiers, digesters, and equipment shed roof and drainage
- Improves pump removal from Aeration Basins
- W.M. Schlosser Company
- Construction: May 2025 – May 2027
- Budget \$15.5 M



Equipment Shed



Digester Complex



Equalization Basins

MC Building Upfits and Gravity Thickener Improvements

- Renovation of WW Operations and Maintenance buildings
- Original structures are 40 years old and no longer meet current staffing and operational needs
- Includes gravity thickener improvements – chemical feed and sludge line clean-outs
- English Construction
- Construction: May 2025 – May 2027
- Budget \$11.8 M



Maintenance Building Rendering

Red Hill WTP Upgrades



Current Red Hill WTP

- Space for additional chemical storage, monitoring and automation equipment
- Granular Activated Carbon treatment will be added
- Anderson Construction
- Construction: January 2025 – June 2027
- Budget \$2M; 100% ACSA w/ \$400k from County



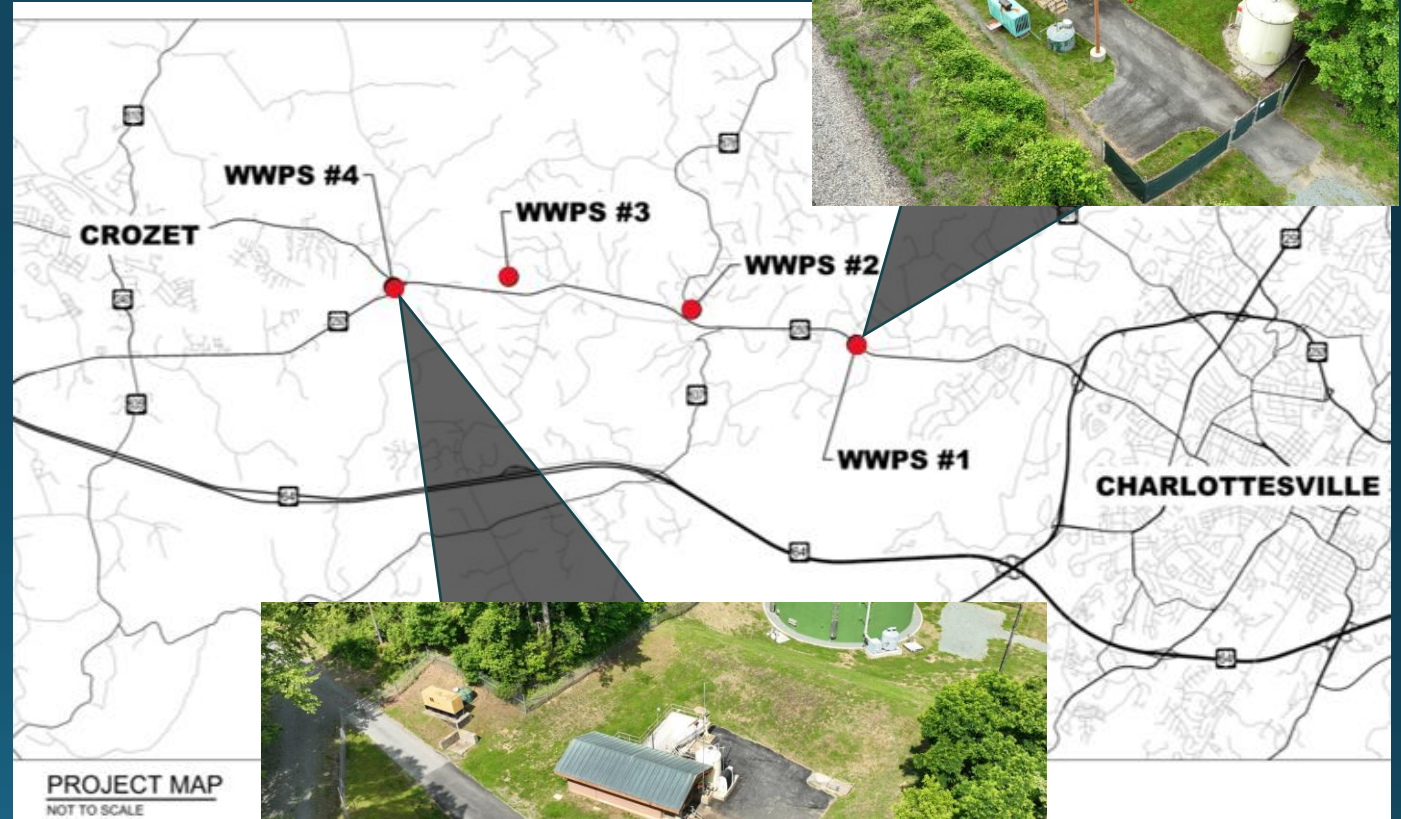
Inside Existing
Hydropneumatic Tank



Temp Hydropneumatic
Tank

- Repair of 4 wastewater pump stations constructed in 1980's
- Includes replacement of pumps and valves, roofs, motor control centers, generators, automatic transfer switches, PLCs and other architectural improvements
- Waco, Inc.
- Waiting on equipment delivery
- Construction: April 2026 – April 2028
- Budget \$12.4 M

Crozet Pump Stations Rehabilitation



1 EXISTING CONDITIONS PHOTO FRONT OF PS3



2 EXISTING CONDITIONS PHOTO BASIN SIDE OF PS3



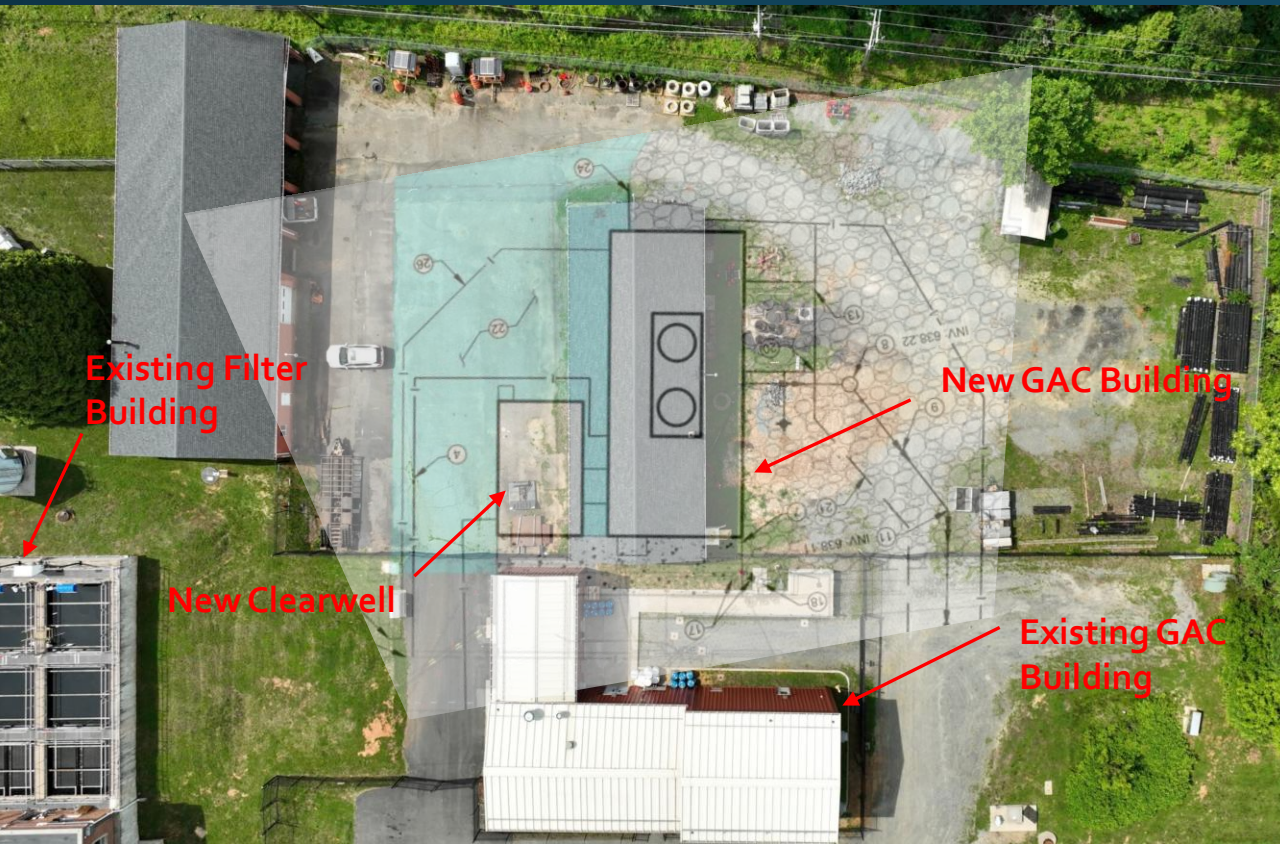
3 EXISTING CONDITIONS PHOTO FRONT OF PS3



4 EXISTING CONDITIONS PHOTO BASIN SIDE OF PS3

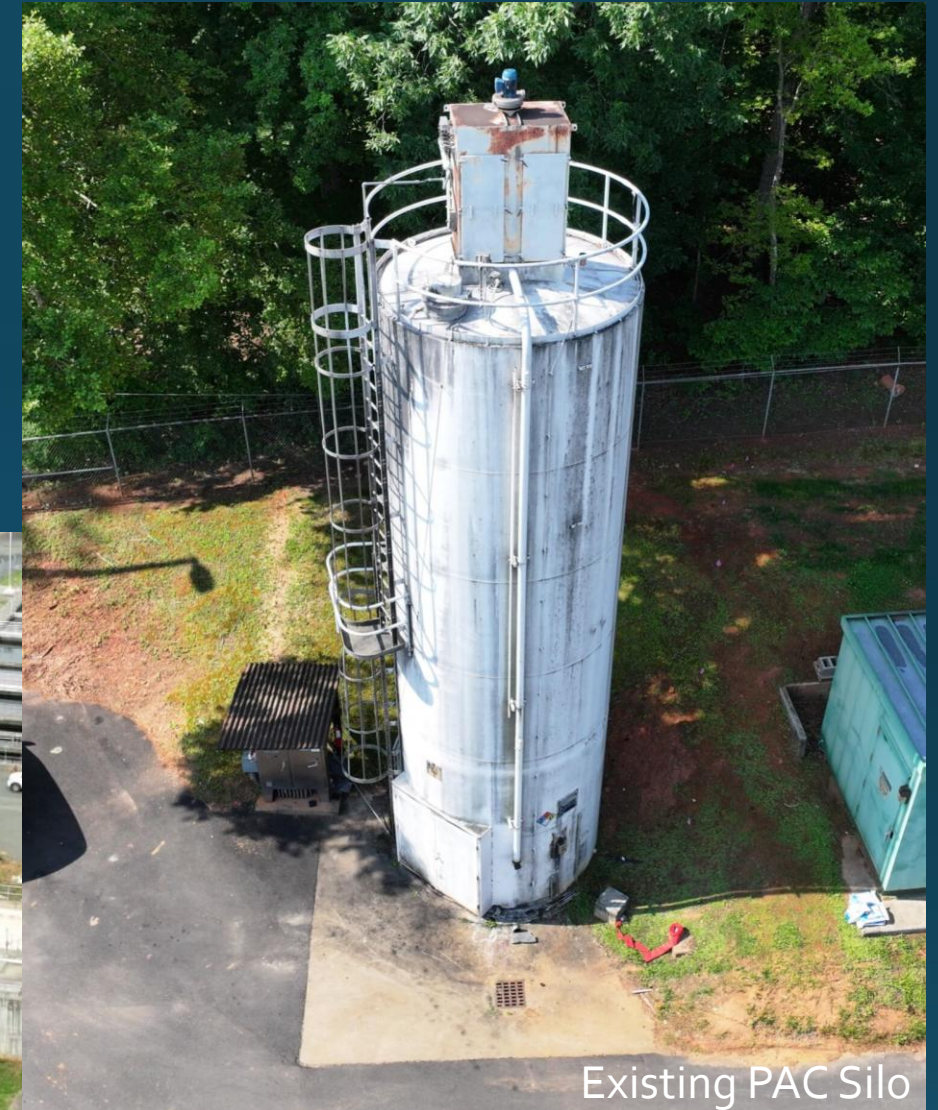
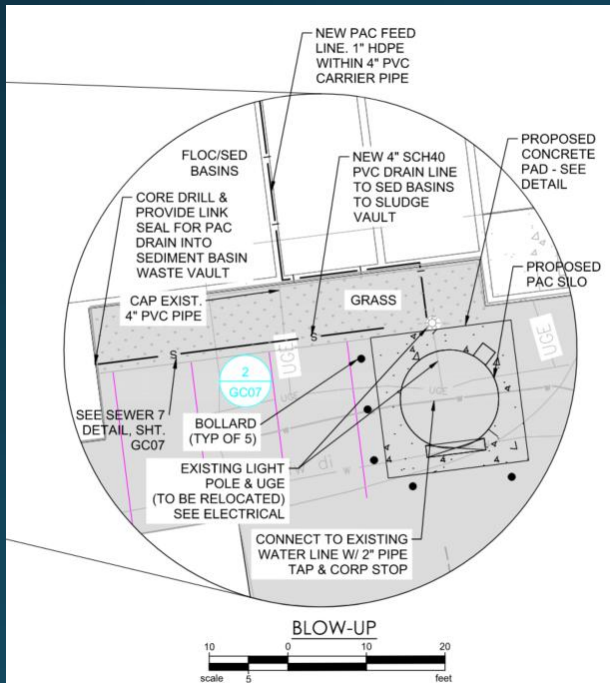
Granular Activated Carbon Expansion - Crozet WTP

- Additional building and GAC system to increase treatment capacity from 1 to 2 MGD
- Signing construction contracts
- English Construction
- Construction: March 2026 – May 2028
- Received \$7.24 M grant funds from VDH
- Budget \$12 M



SRWTP – Powdered Activated Carbon Upgrades

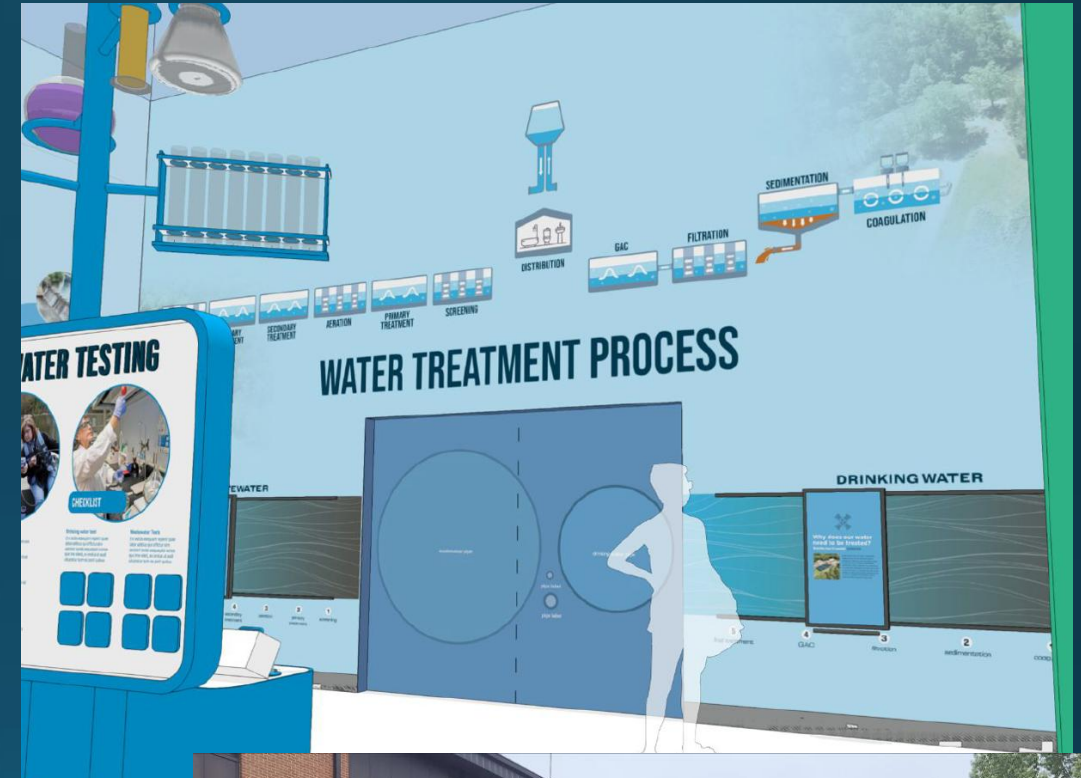
- Includes new PAC silo and feed pumps to replace existing equipment
- Existing silo was a repurposed lime silo
- Working through construction submittals
- Waco, Inc.
- Construction: November 2025 – June 2027
- Budget \$1.8 M



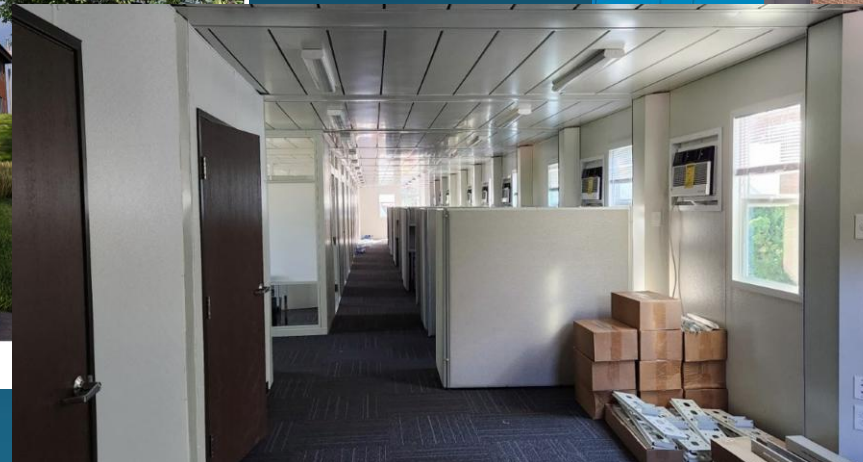
Existing PAC Silo

MC Administration Building Renovation and Addition

- Original building constructed in 1980's
- Renovate interior and expand
- Includes new board room, education center, and updated lab space
- Setting up temporary trailers, site work, and foundation construction
- Martin Horn
- Construction: August 2025 - December 2027
- Budget \$27.6 M



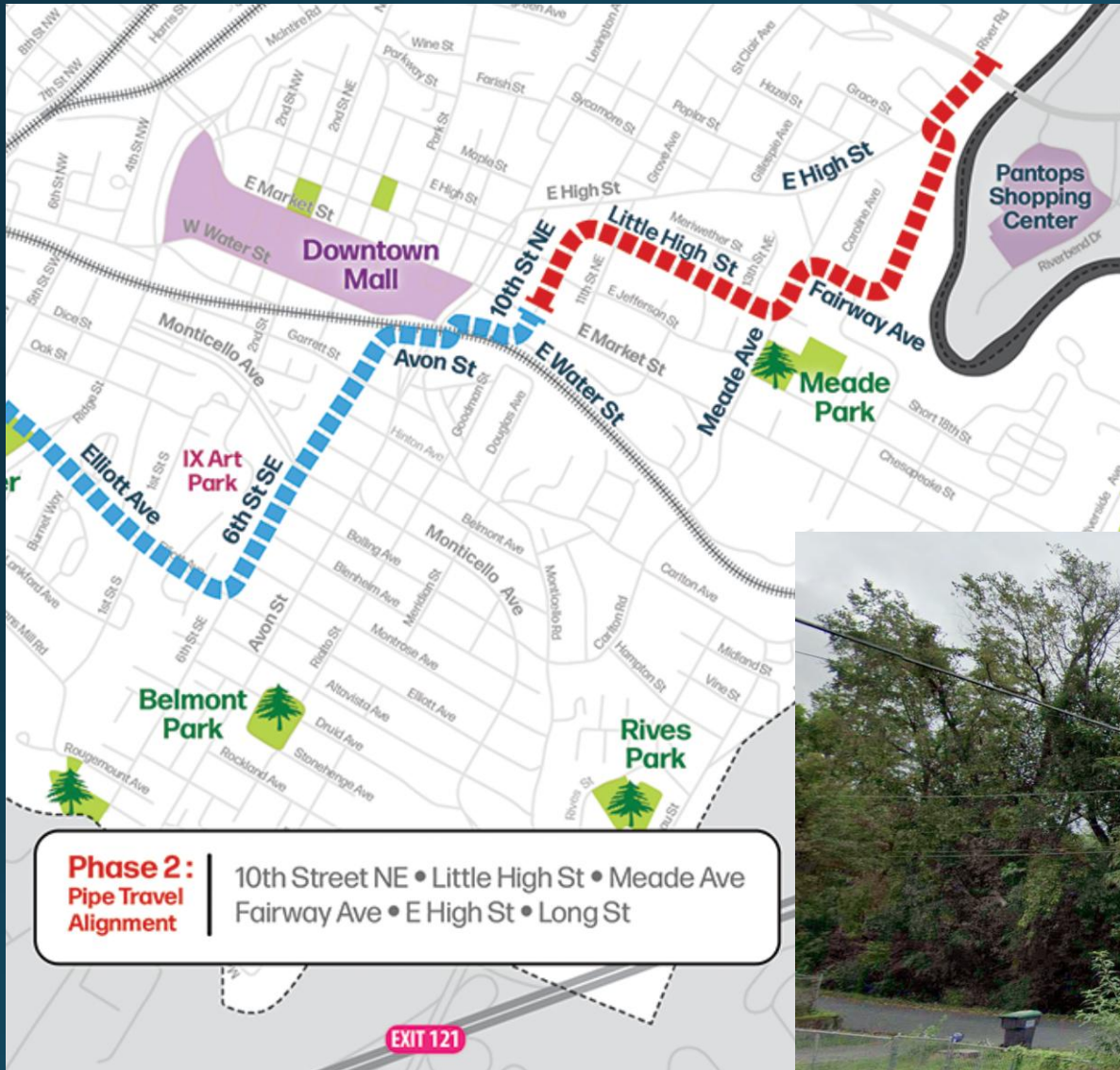
EAST ELEVATION - MAIN ENTRY



Design Phase and Upcoming Construction Projects

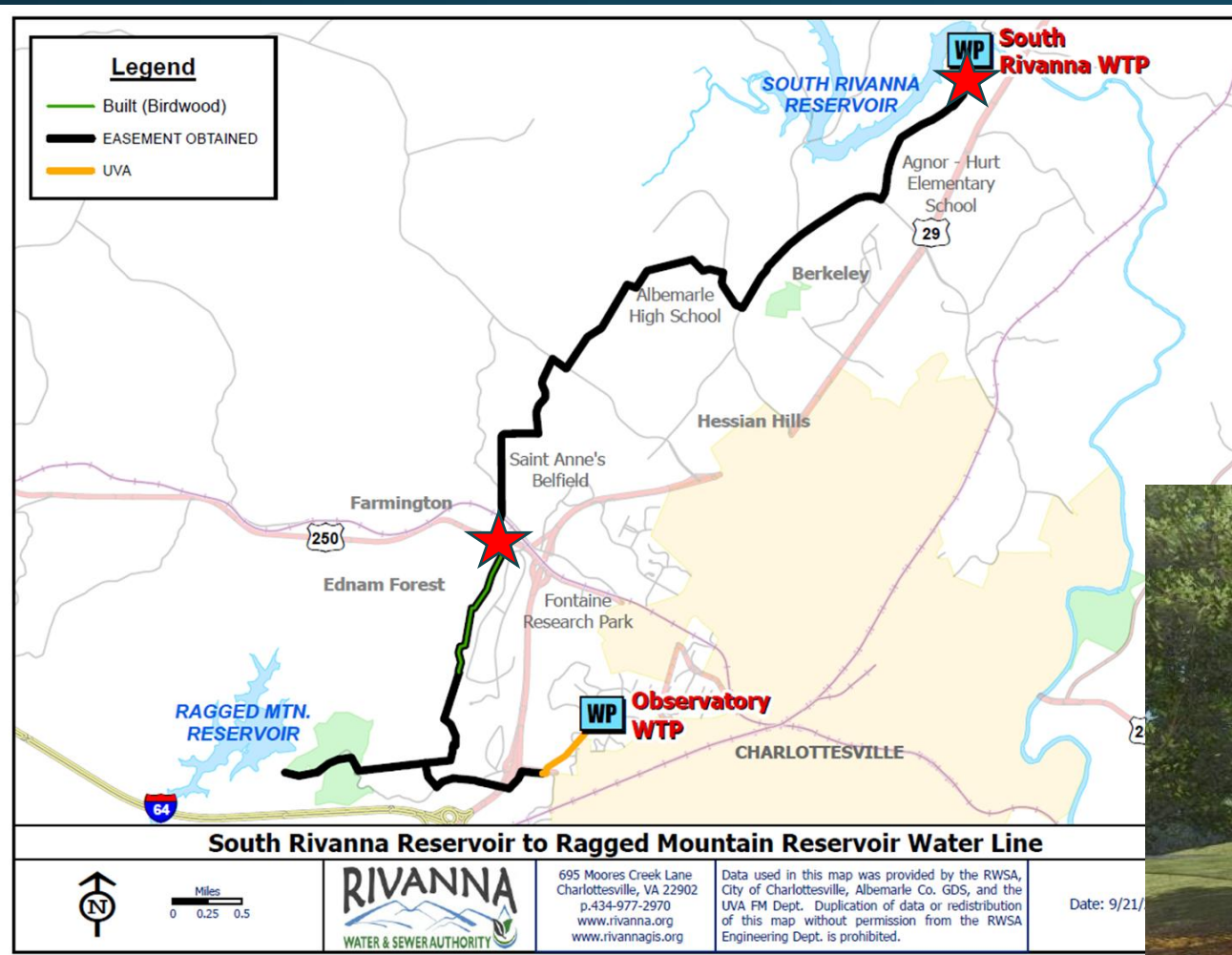
Central Water Line – Phase 2

- Completes CWL alignment from Phase 1
- Market Street to Long Street
- Finalizing easement acquisition process and construction documents
- Construction for Phase 2: August 2026 – March 2029
- Budget \$21 M



Intersection of Fairway Ave. and Caroline Ave.

SFRR to RMR Pipeline, Intake, and Facilities

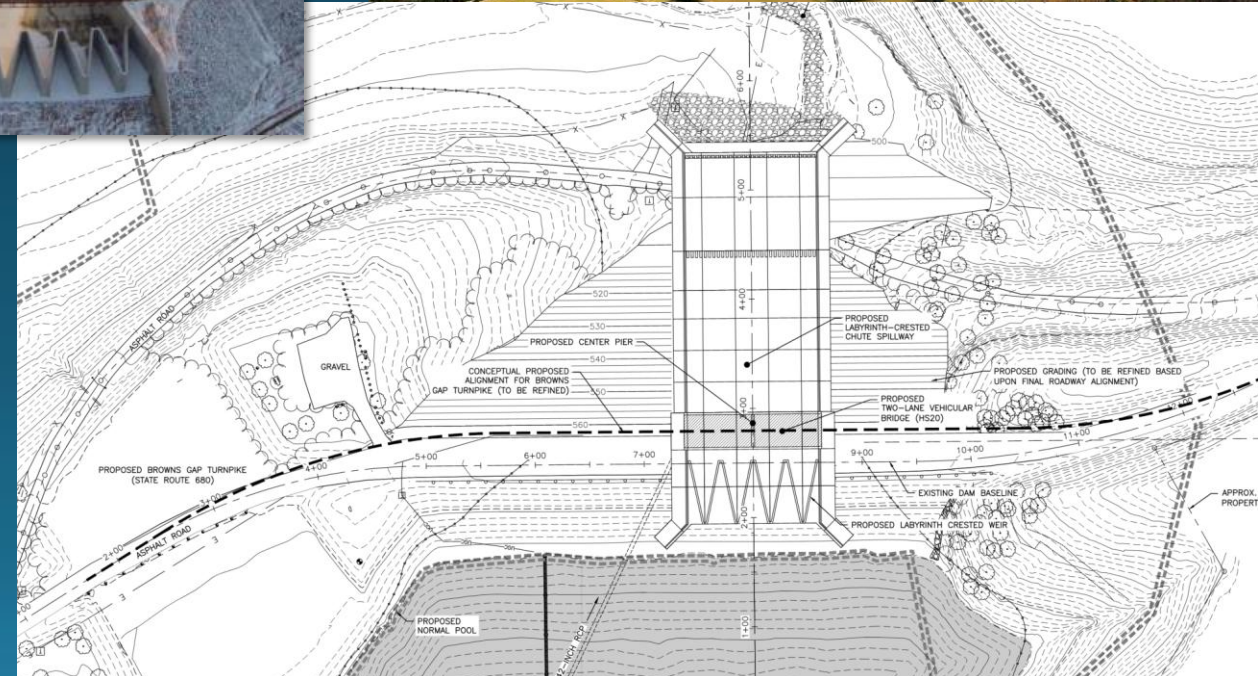
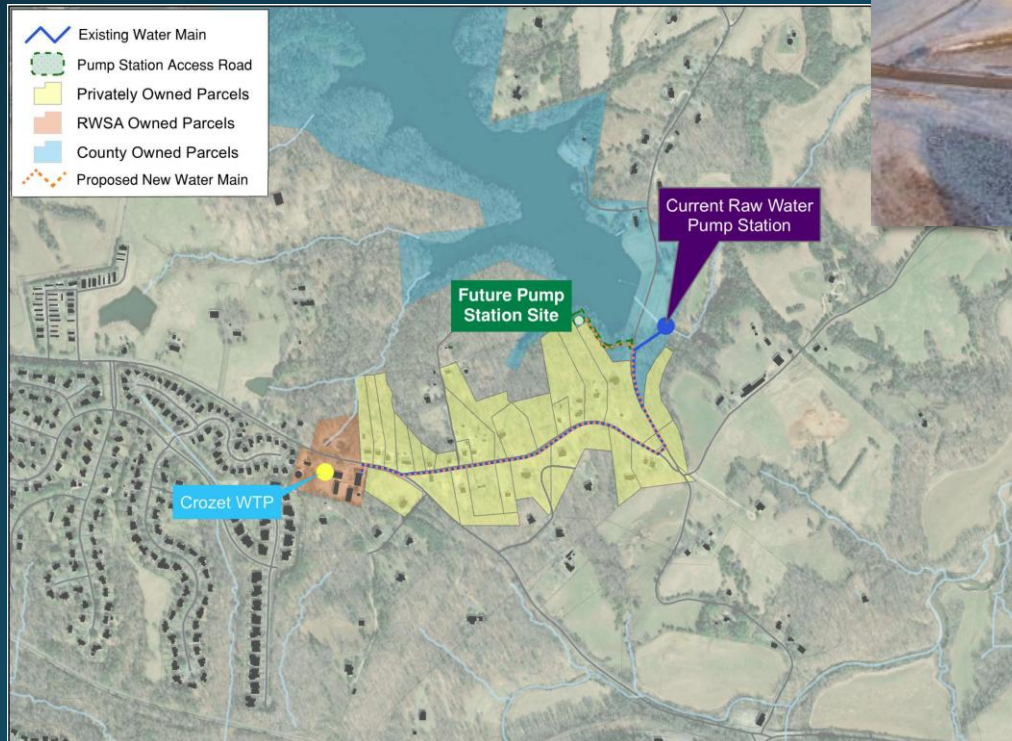


- 6 miles of 36" raw water transfer pipeline from SFRR to Birdwood
- 41 mgd raw water pump station and intake on SFRR
- Added new sodium permanganate building to project
- Bids will be received in November
- Construction: May 2026 – Dec 2030
- Budget \$128 M



Beaver Creek Dam, Pump Station & Piping Modifications

- Upgrade the spillway to meet DCR dam safety standards
- Replace the raw water pump station, intake, and pipe to the Crozet WTP
- Worked through bridge design issues with VDOT
- Preparing to bid pump station separate from dam modifications
- Construction: July 2026 – June 2031
- Budget \$72.5 M, anticipating \$20 M grant from NRCS

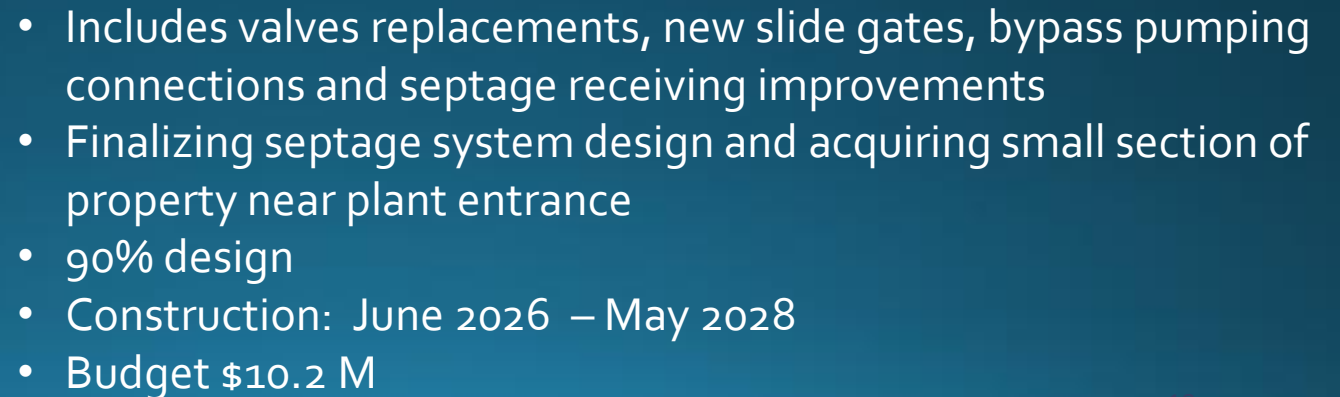


Previous Location
of Valve 205

Valve 206

Valve 207

Bypass Connections

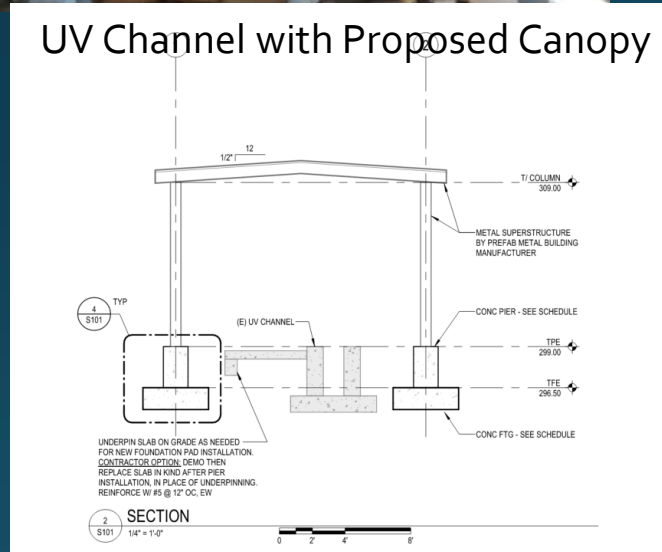


Glenmore WRRF Upgrade – Phase 1

Existing Blowers



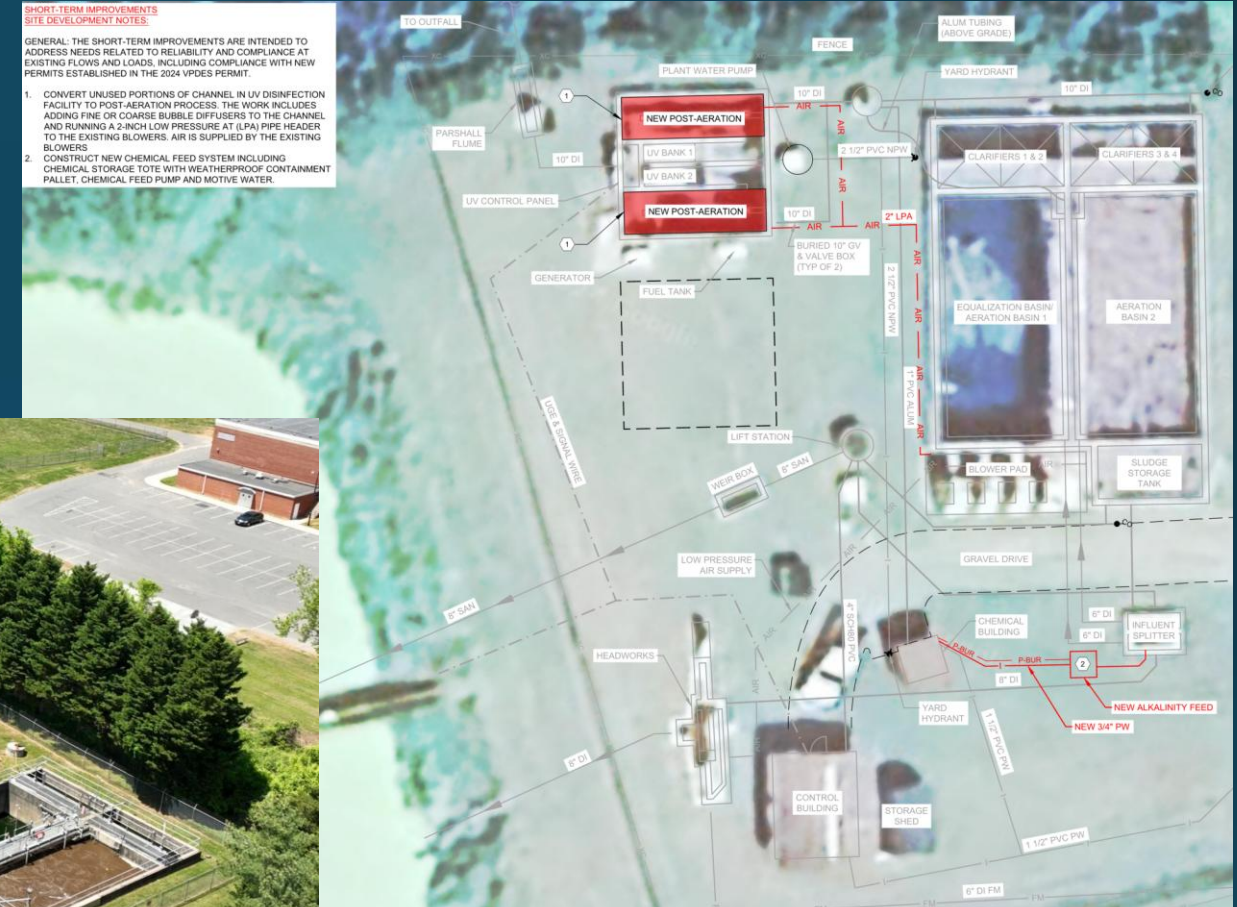
UV Channel with Proposed Canopy



- Replace equipment at end of useful life
- Address noise issues with existing blowers
- Bids will be received in November
- Construction: June 2026 – January 2028
- Budget \$1.8 M

Scottsville WRRF Permit Modification Upgrades

- Addresses plant improvements needed to meet new permit requirements
- Chemical addition and aeration improvements
- 5% design
- Includes interim measures to make sure permit limits are met on time
- Construction: May 2026 – May 2027
- Budget \$827k



Questions?