

BOARD OF DIRECTORS' MEETING

October 17, 2024
9:00 A.M.

AGENDA

This meeting is being held pursuant to and in compliance with Va. Code Section 2.2-3708(3). The ACSA Board of Directors is responsible for receiving public comment. The opportunities for the public to access and participate in the electronic meeting are as follows: Join the meeting virtually through Zoom by visiting our website at www.serviceauthority.org; call in and leave a message prior to the meeting at (434) 977-4511, or email the Board prior to the meeting at board@serviceauthority.org.

9:00 a.m.	1. Call to Order and Establish a Quorum –Statement of the Board Chair
9:05 a.m.	2. Recognitions – Public Utilities Management Institute - Advanced Management & Supervisory Leadership Training
9:15 a.m.	3. Approve Minutes of September 19, 2024
9:25 a.m.	4. Matters from the Public
9:35 a.m.	5. Response to Public Comment
9:40 a.m.	6. Consent Agenda
	a. Monthly Financial Reports
	b. Monthly Capital Improvement Program (CIP) Report
	c. Monthly Maintenance Update
	d. Rivanna Water and Sewer Authority (RWSA) Monthly Update
	e. ACSA Board Policy Issues Agenda 2024
	f. Imagine a Day Without Water
10:00 am.	7. Lead and Copper Regulations and Inventory Update
10:15 a.m.	8. Avon Operations Center
10:35 a.m.	9. Hurricane and Extreme Weather Preparedness Planning
10:50 a.m.	10. Items Not on the Agenda
	11. Adjourn

ALBEMARLE COUNTY SERVICE AUTHORITY

STATEMENT OF CHAIR TO OPEN OCTOBER 17, 2024 MEETING

This meeting today is being held pursuant to and in compliance with Va. Code Section 2.2-3708,3 and the ACSA Remote Participation Policy effective September 1, 2022.

The Directors who is electronically present at this meeting is John Parcells.

(name the reason why they are absent and the location they are joining from)

The opportunities for the public to access and participate in the electronic meeting are posted on the ACSA's website. Participation will include the opportunity to comment on those matters for which comments from the public will be received.

Albemarle County Service Authority Board of Directors

The Board of Directors of the Albemarle County Service Authority (ACSA) met in a regular session on September 19, 2024, at 9:00 a.m. at the Administration and Operations Center at 168 Spotnap Road in Charlottesville, Virginia.

Members Present: Mr. Richard Armstrong, Chair; Ms. Lizbeth Palmer; Mr. John Parcells; Mr. Clarence Roberts; Ms. Kimberly Swanson; Mr. Charles Tolbert, Vice-Chair (remote).

Members Absent: None.

Staff Present: Mike Derdeyn, Scott Krebelder, Quin Lunsford, Jeremy Lynn, Montie Madison, Alex Morrison, Sabrina Seay, Danielle Trent, April Walker.

Staff Absent: Emily Roach.

Public Present: None.

1. Call to Order and Establish a Quorum – Statement of Board Chair

Ms. Lizbeth Palmer called the meeting to order. She then read the opening Board Chair statement (Attached as Page _____), and a quorum was established. She stated that Richard Armstrong, Board Chair, would be late due to traffic, and that she would preside over the meeting until his arrival. She noted that Charles Tolbert was participating in the meeting electronically. Mr. Tolbert stated that he was participating remotely from Sandbridge, VA due to a family vacation.

Ms. Swanson moved to approve Mr. Tolbert's remote participation; seconded by Mr. Parcells. All members voted aye.

2. Recognitions

Ms. Palmer stated that the first recognition was for Montie Madison and his 25 years of service at the ACSA. Alex Morrison, Director of Operations, stated that he wanted to share some heartfelt reflections from Mr. Madison's co-workers, in honor of his 25 years of service. He stated over the past 25 years, Montie has grown from a utility worker to a respected crew leader. He mentioned that his dedication, mentorship, and commitment have

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1 made him an invaluable asset to the ACSA Maintenance department and his
2 team. He stated that Montie consistently guides younger employees,
3 ensuring a strong future for the department as it prepares for a seamless
4 transition when he eventually retires. He noted that beyond mentorship, Mr.
5 Madison is a “go-to” person for leaks and repairs day and night. He stated
6 that Montie’s work on the lead service line inventory identification for the
7 Virginia Department of Health (VDH) highlights his commitment to
8 excellence.

9 Mr. Morrison stated that Montie is known for his cheerful demeanor
10 and respectful interactions with all. He noted that one memorable incident
11 that perfectly illustrates his character took place while working in Greenbrier
12 Heights during a snowstorm. He stated that Montie found himself face-first
13 in the snow while attempting to push the hand rodder. He stated that instead
14 of getting frustrated, Montie laughed it off as he emerged with snow-covered
15 facial hair resembling Santa Claus. He noted that this brought laughter to his
16 colleagues, and encapsulates Montie’s ability to find humor in adversity while
17 reminding us all to stay calm and focus on the task at hand. He added that
18 Mr. Madison’s work ethic and the lives he has touched speaks volumes and
19 congratulated him on 25 years of service.

20 Mr. Madison stated that he wanted to thank the ACSA, the Board of
21 Directors, and the customers. He stated that what he does outside of work
22 is possible because of this job. Mr. Armstrong then read the recognition
23 resolution (Attached as Page_____).

24 ***Ms. Palmer motioned to approve the resolution as presented to***
25 ***the Board; seconded by Mr. Roberts. All members voted aye.***

26 ***Richard Armstrong, Chair, arrived at the meeting and took over***
27 ***presiding over the meeting.***

28
29 Mr. Armstrong stated that the next recognition was for Scott
30 Krebelder. Mr. Lunsford stated that Scott is celebrating 30 years of service

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1 with the ACSA, and Mr. Lynn had a few words that he wanted to share in
2 honor of Mr. Krebelder.

3 Mr. Lynn stated that for more than 25 of his 30 years with the ACSA,
4 Scott has been dedicated to the organization's Miss Utility program. He
5 stated that his commitment keeps the ACSA infrastructure safe with the
6 never-ending construction activity in the area. He stated that he recently
7 asked several of Scott's colleagues to share one word that best describes
8 him. He noted that a few of those words were expert, detailed, and
9 dependable. He noted, however, that the one word that kept coming up over
10 and over was dedicated which means to be devoted to a task or purpose,
11 having single-minded loyalty and integrity. He stated that Scott is most
12 certainly dedicated – to keeping the ACSA's infrastructure safe from
13 damage, to serving the contractor community by being conscientious and
14 responsive, and to meeting the needs of his team and fellow locators.

15 Mr. Krebelder stated that he wanted to thank the Board for their
16 continued support. Mr. Armstrong then read the recognition resolution
17 (Attached as Page_____).

18 ***Mr. Parcels moved to approve the resolution as presented to***
19 ***the Board; seconded by Ms. Palmer. All members voted aye.***

20
21 3. Approve Minutes of August 15, 2024

22 Ms. Swanson stated that she had one correction on page 19, line 29.
23 She stated that the word "om" should be "on."

24 ***Mr. Parcels moved to approve the minutes of August 15, 2024,***
25 ***as amended; seconded by Mr. Roberts. All members voted aye.***

26
27 4. Matters from the Public

28 There were no matters from the public.

29
30 5. Response to Public Comment

31 There was no response to public comment.

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a. Monthly Financial Reports – Mr. Roberts asked if the payment to Albemarle County was a reimbursement for health insurance. Mr. Lunsford replied yes.

b. Monthly Capital Improvement Program (CIP) Report – Mr. Parcels stated that the Scottsville Phase Water Main Replacement project summary on page 70 notes that the project requires extensive coordination with RWSA. He stated that there is an alignment with their pipe and ACSA's pipe, and asked who is paying for the easement.

Mr. Lynn stated that a portion of the project includes replacing a section of RWSA's water main. He stated that it will also eliminate the last sections of asbestos-cement (AC) pipe in the Scottsville system. He mentioned that the ACSA is coordinating the easement acquisition process, and RWSA has signed off on the dead of easement language. He noted that the ACSA is managing the project and paying for the easement, but RWSA will be a partner in the construction phase. He added that they have also been contributing during design phase and providing comments to the section that they will own and operate.

Mr. Parcels asked if RWSA will be contributing any money. Mr. Lynn replied that since all costs in Scottsville are borne by the ACSA, RWSA is not being required to contribute financially.

Mr. Parcels stated that he had a question about the Airport Trunk Sewer Upgrade project. He stated that, as he recalls, the map showing the sewer main going along a lot of sections of property near the lake. He stated that he can imagine some of those property owners being upset and distraught with the work and not granting easements.

Mr. Lynn replied that he believes that is why the ACSA has only been granted 9 out of 24 easements thus far. He stated that they have run into some roadblocks. He mentioned that ACSA staff has refocused its efforts and started sending out updated offer letters this week. He noted

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1 that three of the properties have changed ownership, so they have not
2 heard about the project except through neighbors.

3 Mr. Parcells asked if the ACSA has spoken to the property owners
4 as a group to discuss the nature of the project. Mr. Lynn replied that
5 when the project was reintroduced a couple of weeks ago, the ACSA
6 sent out an updated fact sheet that lays out who, what, when, where,
7 why, and how. He stated that one of the challenges with the project is
8 that the property owners are not necessarily benefiting from the project,
9 which may cause the ACSA to compensate them more than the typical
10 amount. He added that it may also mean that the staff will have to bring
11 a few condemnations before the Board for consideration.

12 Mr. Roberts stated that the ACSA had to replace a lot of trees at the
13 beginning of the project. Mr. Lynn stated that there are a lot of landscape
14 challenges that the ACSA will have to contend with. He stated that
15 during the initial project efforts, there were some property owners that
16 were staunchly opposed to the project and a fair amount that were
17 simply unresponsive. Mr. Roberts stated that if the project extends to the
18 north side of that lake, it will go right through some of the property
19 owner's yards. Mr. Lynn stated that there are properties that extend
20 down the lake. He noted that the lake is a community amenity, as there
21 is a walking path that the Forest Lakes community maintains. He added
22 that during construction, there will be portions of that path that will not
23 be accessible.

24 Ms. Swanson stated that she had a question about the Energy Audit
25 project on page 78. She asked what the transformer being installed is
26 for and how it relates to the energy audit. Mr. Morrison stated that during
27 the audit, there was an electrical vehicle study, and the transformer is
28 part of the charging infrastructure that is being installed for the vehicles.
29 He stated that Dominion Energy will be providing a dedicated, three
30 phase 1200-amp service that requires a stand-alone, pad-mounted
31 transformer.

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1 Mr. Parcels stated that he had one more comment about the Crozet
2 Phase 4 Water Main Replacement project. He asked if the center line of
3 asphalt along the road that ties Crozet to Route 250 will be repaved at
4 some point. Mr. Lynn replied that a lot of the money in the ACSA's CIP
5 projects goes towards pavement restoration. He mentioned that looking
6 at it from a budgeting standpoint, there is still a lot of money in the budget
7 even though they are close to the finish in terms of water main
8 installation. He noted that they will be repaving Hillsboro Lane and any
9 portions along Route 250 and Crozet Avenue. He added that it is
10 beneficial to keep the patch there as long as possible, to catch any
11 issues that might arise before final paving.

12 Mr. Parcels asked if the section of main along Crozet Avenue was
13 complete. Mr. Lynn stated that the area from Route 250 to Lickinghole
14 Creek is complete, but they have not made it under the creek yet.

15 **c. *Monthly Maintenance Update*** – Ms. Swanson stated that she had a
16 question about the Wet Well Wizard technology that is being tested to
17 help with FOG (fats, oils, grease) at the Old Forge wastewater pump
18 station. She stated that she was wondering if the ACSA might do a
19 campaign to educate people in that area about the problems with putting
20 grease down the drain. She asked if the ACSA still conducts those types
21 of campaigns.

22 Mr. Lynn stated that the ACSA does have an active FOG program.
23 He stated that it is difficult to deal with individual property owners, but
24 the program does a great job in dealing with restaurants and other
25 commercial facilities. He mentioned that the ACSA is working with
26 Letterpress to begin advertising some FOG-related educational
27 materials ahead of the Thanksgiving holiday.

28 Ms. Swanson asked where the Old Forge wastewater pump station
29 is located. Mr. Morrison replied that is on Old Forge Road, which is off
30 Georgetown Road. Mr. Lynn added that it is in a neighborhood to the
31 west of Georgetown Green.

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1 Ms. Palmer stated that several years ago, there was an article about
2 a community in North Carolina that essentially outlawed garbage
3 disposals. She asked if they have heard of other communities around
4 the country doing the same. Mr. Morrison stated that he has not head of
5 any, but it would be an interesting topic to research.

6 ***d. Rivanna Water and Sewer Authority (RWSA) Monthly Update*** – Ms.

7 Palmer stated that the Red Hill treatment plant upgrade summary states
8 that the project received partial grant funding from Albemarle County.
9 She asked what the grant was that RWSA received. Mr. Lunsford replied
10 that he did not know but he would get specifics as to where the money
11 came from and how much.

12 Ms. Palmer stated that she also had a question about the South
13 Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Intake, and
14 Facilities project. She noted that the status summary states that the
15 nutrient analyzer installed at the South Fork Rivanna Reservoir was the
16 last step of the water quality study and a final report was anticipated in
17 September. She asked if that report had been released yet and if the
18 Board could get a link to the report.

19 Ms. Palmer also asked about the Schenks Branch sewer line
20 replacement and if RWSA has figured out how they will manage traffic
21 for that project. Mr. Lunsford replied that he thinks RWSA is still working
22 on getting the easement approved, thus he is not sure that they have
23 gotten that far yet.

24 Ms. Palmer stated that she had two other items. She stated that she
25 listened in on RWSA's last Board meeting and, with respect to the Crozet
26 water supply for the next 50 years, Jennifer Whitaker said that DEQ may
27 be increasing the release from Beaver Creek Dam. She stated that she
28 realizes she is very fuzzy on the demands for Crozet for the next 50
29 years. She requested that at some point, perhaps next month, she would
30 like to get a clear understanding of this issue. Mr. Lunsford stated that
31 ACSA staff would provide the Board with that information next month.

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1 Ms. Palmer stated that the last item she wanted to mention was the
2 sediment control issue. She stated RWSA's monthly update mentions
3 that the issue will be corrected by making a minor adjustment to the
4 corrosion control material used. She asked why this minor adjustment
5 was not made in the beginning because, as she remembers, this was
6 the first thing everyone was looking at as a possible cause of the
7 sediment.

8 Mr. Lunsford stated that there is a long history of different hypotheses
9 and tests that occurred. He stated that the original change to the
10 corrosion control inhibitor was a different compound, and the original
11 thought was that this change in the compound led to the creation of
12 sediment. He mentioned that through testing, this did not appear to be
13 the cause. He stated that different dosage levels of that inhibitor were
14 then evaluated. He stated that the Virginia Department of Health (VDH)
15 approved the dosage level of 1.2mg per liter that RWSA currently uses.
16 He noted that it was important to perform the laboratory testing of
17 different dosage levels in advance of requesting that VDH approve a
18 reduction in the corrosion control inhibitor. He added that RWSA will be
19 going from using a 1.2 mg per liter dosage, to .8 mg per liter dosage. He
20 stated that laboratory testing at the lower dosage did not result in
21 sediment, and they are optimistic about this change, which was been
22 approved by VDH.

23 Ms. Palmer asked how long it takes to get that type of approval. Mr.
24 Lunsford replied that the testing took considerably longer than the
25 approval process which was quick. He stated that any change in water
26 chemistry must be extremely deliberate and done very carefully to
27 prevent unintended consequences. He noted that he believes the
28 general slowness of the process was purposeful to ensure nothing was
29 done to degrade the quality of the water and other parts of the system.

30 ***e. ACSA Board Policy Future Issues Agenda 2024 –***

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1 ***Ms. Palmer moved to approve the consent agenda, seconded by***
2 ***Mr. Parcels. All members voted aye.***
3

4 7. **ACSA Unmanned Aircraft Systems (UAS) Program**

5 April Walker, Director of Information Technology, stated that the
6 ACSA has had its UAS program since 2019, when the first drone was
7 purchased primarily to obtain images of new development for the GIS. She
8 stated that since then, the program has expanded. She stated that Elise
9 Kiewra, GIS Technician and the ACSA's primary UAS pilot, has prepared a
10 presentation for the Board (Attached as _____) and has a show and tell
11 item as well.

12 Ms. Kiewra stated that the ACSA currently has two drones, the DJI
13 Phantom 4 RTK and the DJI Air 3. She stated that the 4 RTK is the drone
14 used for new construction, as Ms. Walker mentioned, and getting more
15 accurate and current GIS photos. She stated that the pole in the photo of the
16 RTK is the base station which has a known GPS point on the ground, which
17 allows them to more accurately tie in the drone photos with the actual assets
18 on the ground.

19 Ms. Kiewra stated that the second drone, which is the one she
20 brought with her today because it is more portable, is the DJI 3. She stated
21 that this drone is used for tank inspections, as it is more agile and has zoom
22 which allows for taking photos of areas that they would not normally be able
23 to see. Ms. Palmer asked Ms. Kiewra to hold the drone up so she could get
24 a better look at it and noted that it looked a little different than the photo. Ms.
25 Kiewra noted that she has the propeller guards on which may be why it looks
26 a little different.

27 Ms. Kiewra stated that there are a lot of regulations for flying drones.
28 She stated that one must be licensed through the Federal Aviation
29 Administration (FAA) Part 107 Certification. She stated that she took a
30 course and an exam to become certified. She mentioned that the course is
31 not just for flying drones, but one must be certified to fly a drone in work

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1 situations. She stated that the exam consists of a lot of piloting information,
2 including the sectional chart shown on the right-hand side of the slide. She
3 noted that the chart shows the different air spaces flying a drone is allowed,
4 obstructions such as towers and mountains, airports, and other items. She
5 stated that she had to learn that chart, as well as airport runway patterns and
6 weather information. She stated that the license must be renewed every two
7 years.

8 Ms. Kiewra stated that another regulation is that the drone must be
9 licensed and broadcasting the Remote ID. She stated that the software
10 broadcasts that ID number so the FAA and other organizations know what
11 drone is flying where. She noted that also, generally, drones are not
12 permitted to be flown more than a maximum altitude of 400 feet. She noted
13 that there are some exceptions to this regulation, such as tall tower
14 inspections. She stated that drones cannot be flown over people or cars,
15 however, there are some gray areas there as well. She added that the drone
16 must be kept within sight while flying as well.

17 Mr. Parcels asked if there was a video display on the controller. Ms.
18 Kiewra replied yes, but one must be physically able to see the drone without
19 any assistive equipment like binoculars. She mentioned that visual observes
20 are allowed to help maintain eye contact on it, but the pilot must be able to
21 always see it in the air while flying. Mr. Parcels asked if they would be using
22 the drones to do inspections on the AMI towers. Ms. Kiewra replied that she
23 was not sure, but currently it is only used for the water towers. Mr. Lunsford
24 replied that inspections on the AMI towers would be done through a third-
25 party.

26 Ms. Kiewra stated that there are a lot of safety features with the
27 drone. She stated that it has collision avoidance which includes lots of
28 sensors. She mentioned that the drone can be flown manually or in a grid
29 pattern on a flight plan, and the collision avoidance is on with both methods.
30 She stated that the drone also has propeller guards. She noted that even
31 though the drone is light, the propellers can hurt someone if they are going

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1 fast enough. She stated that the drone also has a return to home
2 functionality. She stated that if the drone flies far enough to lose contact with
3 the controller, it will automatically return to the location from where it took off.

4 Ms. Kiewra stated that there is also a big checklist that must be
5 completed before going out to fly the drone. She stated that there are several
6 different websites to check for information such as the Notice to Airmen
7 (shown on the upper-right side of the slide) which gives information on the
8 weather, wind, and precipitation. She stated that the information is given in
9 3-hour increments, and the green boxes will turn red if the conditions are
10 unfavorable for flying. She noted that the bottom-right picture shows the
11 Charlottesville airport. She stated that there is also an online authorization
12 process that must be completed before flying.

13 Ms. Kiewra stated that the next couple of slides showed photos taken
14 with the Phantom 4 drone. She stated that the first set of photos show an
15 area at Rivanna Village. She noted that the photo with the black and white
16 squares shows what is referred to as a ground control point. She stated that
17 they physically lay the squares on the ground, and she puts those points into
18 the GPS and set up the drone base station as well. She mentioned that they
19 then fly the drone and take all the photos. She noted that after, the photos
20 are loaded into the software and the GPS points are matched with the black
21 and white squares in the photo, which ties the photo to a known location on
22 the ground.

23 Ms. Kiewra stated that she uses the DJI 3, the drone she brought
24 with her, for tank inspections. She stated that she goes out and takes various
25 photos of all the tanks every three months. She mentioned that the idea is to
26 keep people on the ground, which is safer than climbing the tanks to perform
27 inspections. She stated that when taking the photos, she is looking for
28 vandalism and things of that nature. She stated that she then uploads the
29 photos to Cityworks, which then go the Facilities group. She noted that the
30 Facilities group then checks for things like rust or issues they need to follow

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1 up on. She added that the next slide is a screenshot of Cityworks where she
2 uploads the photos that get sent to the Facilities group.

3 Ms. Kiewra stated that Justin Ray, GIS and CMMS Coordinator, and
4 herself are the two staff members that are currently licensed to fly the drones.
5 She mentioned that there are other staff members in the process of
6 becoming licensed. She mentioned that they also can do some fun things
7 with the drones such as take team photos at company picnics, as shown on
8 the last slide.

9 Mr. Armstrong asked at what speed the drones travel. Ms. Kiewra
10 replied that she is not sure and would have to look into it. Mr. Parcels asked
11 how expensive the drones are and if there is insurance on them. Ms. Kiewra
12 stated that she was unsure of how much they cost. Ms. Walker stated that
13 the ACSA does have insurance on them. Mr. Parcels asked what the life
14 expectancy for one of these drones would be, or if it is just the issue of
15 changing out the battery. Ms. Kiewra replied that she is not sure about the
16 drone itself, but the battery will last about 20-30 minutes depending on the
17 weather. She stated that the batteries take about 8 hours to charge, and
18 each drone has 4 batteries. She noted that they do eventually wear out, but
19 she is not sure how many charge cycles they will last.

20 Ms. Swanson asked if there were other companies that do this for
21 commercial usage and how the ACSA picked these particular drones as
22 opposed to another brand. Ms. Kiewra replied that there are many different
23 companies that make drones, and they are used for everything from real
24 estate to weddings. She noted that the DJI is a mainstream drone that a lot
25 of people use. She stated that she participated in a workshop at Virginia
26 Tech, and they use the DJI.

27 Mr. Lynn asked Ms. Kiewra to talk about how they are planning to
28 use the drone during the Avon Operations Center site development. Ms.
29 Kiewra stated that they will be taking progressive photos of the site. She
30 mentioned that this is a situation where they would develop a flight plan so
31 that the drone takes the same photos each time. She stated that this will

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1 allow them to see the progression of the site over time. Mr. Parcels asked
2 when the clearing will start at that site. Mr. Lynn stated that the notice of
3 award was issued this week, and there is a site visit to the contractor's office
4 scheduled for October. He added that there is no schedule yet, as they are
5 still waiting on the signed contracts.

6
7 8. Customer Telephony Report and Update

8 Mr. Lunsford stated that the telephony project that is currently
9 ongoing is part of the broader ACSA CIS/Website redesign that they have
10 been working on for the past six to eight months. He stated that this project
11 is aligned with the ACSA's Strategic Plan and is focused on improving the
12 Customer Experience (CX) and further modernizing services the
13 organization provides. He stated that today's update focuses solely on the
14 telephony aspect of the project, but the staff expects to give some
15 presentations soon related to the website and the CIS replacement.

16 Mr. Lunsford stated that this spring, in collaboration with the
17 consultant, the staff prepared and advertised a request for proposal (RFP)
18 and received nine responses. He mentioned that the top five proposers were
19 interviewed, and the ACSA also requested a scripted demonstration based
20 on interactions with the telephony system specific to the organization. He
21 stated that from those interviews and demonstrations, the highest graded
22 proposer was selected, and they anticipate beginning the project in October.
23 He noted that deployment is expected to last about three months, including
24 the design and testing phase, training employees, and then going live. He
25 stated that he wanted to emphasize that the focus is on ensuring that
26 customers can efficiently get to the right staff at the organization. He added
27 that it will also be intuitively designed to offer human interaction quickly for
28 those that want it, and automated features for those that do not.

29 Mr. Lunsford stated that there was a broad committee that evaluated
30 the proposals, made up of representatives from each department and
31 various user groups. He stated that, as a group, he feels they landed on a

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1 solution that will work well for everyone. He mentioned that one of the other
2 components they have been mindful of is ensuring that the telephony
3 solution selected is able to integrate with the modern CIS. He noted that this
4 will allow the staff to capture information and update customer accounts
5 through an automated process, allowing them to better assist customers in
6 the future.

7
8 9. Strategic Plan Update

9 Mr. Lunsford stated that he had a short presentation (Attached as
10 Pages_____) related to the Strategic Plan. He stated that twice a year, the
11 staff provides the Board with an update on the plan and some of the
12 accomplishments that have happened since the prior update. He noted that
13 the current plan was adopted in 2023 and runs through the end of 2027. He
14 mentioned that the plan focuses on four main themes- data optimization,
15 business resilience, customer experience, and employee experience. He
16 stated that the staff has made a lot of progress since the last update, some
17 of which he would highlight today.

18 Mr. Lunsford moved to the next slide, starting with a few updates
19 related to data optimization. He stated that a Cityworks Respond program
20 has been deployed, which includes upgrades to the work order management
21 system that has been designed and developed over the course of the last
22 five years. He stated that the SCADA Phase 3 deployment is complete, and
23 a redundant fiber line is currently being installed at the ACSA administrative
24 complex. He noted that the fiber line will help to serve the new telephony
25 system, but it will also allow provide redundancy should one of the fiber lines
26 be lost. He stated that in terms of IT asset management, help desk software
27 is currently being configured and we have implemented an incident
28 management software system to help identify and document different
29 security-related events.

30 Mr. Lunsford stated that in terms of business resilience, the Board
31 has been well-informed on the Avon Operations Center project. He noted

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1 that bids have come in and construction meetings are starting. He stated that
2 the ACSA will be performing an in-depth review of the Emergency Response
3 Plan and the Risk and Resilience Assessment over the next 6-12 months.
4 He noted that the EV charging infrastructure is being installed and the LED
5 lighting is being updated at several of the ACSA's facilities.

6 Mr. Lunsford stated that on the Customer Experience side, there has
7 been a major undertaking by multiple groups within the ACSA related to the
8 General Construction Specifications. He stated that the idea was to
9 streamline the processes and ensure that the specifications outline what the
10 ACSA needs from developers and meet the needs of all interested parties.
11 He stated that the staff is nearly finished with the development of an RFP for
12 the Customer Information System (CIS) replacement. He added that there
13 have also been rain barrel workshops, the RiverFest and Fix-A-Leak events,
14 and the Imagine a Day Without Water art contest is scheduled for later in the
15 fall. He stated that the staff has also been working with the ACSA's
16 communication consultant on a new customer packet and mailer, which will
17 be presented to the Board in the next few months. He noted that it is a great
18 piece of information for new customers that outlines who the ACSA is, what
19 we do, and who some of our community partners are.

20 Mr. Lunsford stated that in terms of the Employee Experience, the
21 ACSA is nearing contract execution for a comprehensive classification and
22 compensation study to ensure that the organization is competitive in the
23 marketplace. He stated that perspective employee recruitment software to
24 ensure that job advertisements are reaching the highest quality candidates.
25 He mentioned that quarterly supervisory training has continued, along with
26 safety trainings such as CPR/First-AID, fire extinguisher, asbestos safety,
27 confined space, and chainsaw safety training. He stated that the ACSA's
28 Travel Policy is currently being reviewed, which is documented in the
29 Personnel Management Plan. He noted that ACSA staff does not regularly
30 travel for work purposes, thus the process is often difficult and/or confusing.
31 He stated that the staff is looking at that policy to make sure that it is clear,

Albemarle County Service Authority Board of Directors

1 and employees are travelling appropriately per the policy. He added that this
2 will be presented to the Board for consideration of approval in the next six
3 months.

4 Mr. Lunsford stated that overall, the team has been very busy since
5 the last Strategic Plan update. He stated that there are some rather large
6 projects in process, as well as some exciting upgrades for ACSA customers.

7
8 10. Items Not on the Agenda

9 Mr. Lunsford stated that he wanted to provide more information
10 related to local and regional water supply planning updates that the State
11 has made. He noted that he provided a packet of information to the Board
12 (not included in the Board packet) for their consumption over the course of
13 the next few months. He stated that the amendments have been made to
14 further emphasize the focus on cross-jurisdictional collaboration related to
15 water supply planning. He stated that there were a few excerpts from the
16 regulations that he wanted to read, to provide some context of what they will
17 be facing over the next 5-15 years. He then read the defined purpose of the
18 regulations.

19 Mr. Lunsford stated that regional planning areas in this document are
20 defined, and the ACSA, Albemarle County, and Charlottesville are in the
21 Middle James River 1 planning area. He stated that this planning area also
22 includes Buckingham, Fluvanna, Greene, and Louisa Counties. He stated
23 that the requirements of the updated regulations state that each planning
24 area shall assist in the development and submission of a single, jointly
25 produced regional water supply plan to the State Water Control Board within
26 five years from October 9, 2024.

27 Ms. Palmer stated that she read in the regulations that if there are
28 over 35,000 people, the supply plan must be done by 2028, but there is a
29 different schedule for those areas with less than 35,000. She noted that
30 Greene County has less than 35,000 people but Albemarle County has more
31 than 35,000 people. She asked how this would work given the difference.

Albemarle County Service Authority Board of Directors

1 Mr. Lunsford replied that he does not know. He stated that he thinks there
2 will be similar questions from all the regions. He emphasized that the ACSA
3 will work very closely with the City and RWSA to ensure they understand
4 their role. He stated that he feels over the course of the next few months, he
5 should be able to provide more answers to some of the Board's questions.

6 Ms. Swanson asked if there is a way to get a map of how this looks
7 across the state, as that would be helpful to her. Mr. Lunsford replied that
8 there is a map available that he will email to the Board. Ms. Swanson stated
9 that it would also be helpful to see how many other authorities exist within
10 those jurisdictions.

11 Ms. Palmer stated that something that bothered her was that the
12 state website shows the comment period closes October 9, 2024. She stated
13 that this is a long document to attempt to comment on as a lay person. She
14 noted that even though Greene County has a tiny portion of North Fork, they
15 are really in the Rapidan. She stated that she questions whether Greene
16 County was put with Albemarle County because of development.

17 Ms. Swanson stated that if this is about regional information sharing,
18 she feels that is a reasonable thing to expect. She stated, however, if it is
19 about actual planning and building infrastructure, that is a different issue.

20 Ms. Palmer asked if the ACSA staff has any notes or concerns from
21 meetings they have had on this topic, that can be shared with the Board. Mr.
22 Lunsford replied that there is no formal document of that nature that exists
23 yet, but it will. He stated that he and Mr. Lynn have had an opportunity to
24 discuss the document at a high level. Ms. Palmer stated that she is not
25 asking for them to do a lot of work, but perhaps just some bullet point items.
26 She stated that given the comment period deadline of October 9th, there does
27 not seem to be a lot of time for the Board to wrap their heads around the
28 document and make reasonable comments.

29 Mr. Lunsford stated that the ACSA staff will follow up with comments
30 and ensure that the Board has the planning unit map, at least for the ACSA's
31 area. Mr. Roberts asked if there was need for the Water Control Board to get

Albemarle County Service Authority Board of Directors

1 this before the General Assembly, hence the October 9th deadline. Mr.
2 Lunsford replied that he did not know.

3 Ms. Palmer stated that it can cost a lot of money to do this type of
4 regional planning. She stated that the financial expectation will be different
5 for different communities, and it can be difficult for some with a lack of staff.
6 Mr. Lunsford stated that there is an interesting section that states, according
7 to how he read it, that if a locality does not have a water supply plan, then
8 they do not have to create one.

9 Mr. Lunsford stated that the other item he wanted to mention is that
10 the area is still under a drought watch. He stated that he spoke with Bill
11 Mawyer, RWSA Executive Director, and he does not anticipate moving out
12 of the watch at next week's RWSA Board meeting.

13 Mr. Parcels asked how Ragged Mountain is filled, other than
14 sections of water coming from Sugar Hollow. He noted that there is such a
15 small drainage area. Mr. Lynn replied that the small drainage area and the
16 pipeline from Sugar Hollow to Ragged Mountain is about it in terms of filling
17 Ragged Mountain. He mentioned that RWSA may decide to push most of
18 their production to the South Rivanna WTP and limiting the production at
19 Observatory, to keep as much of the water transfer at the reservoir as they
20 can, as opposed to pulling it into the treatment process. Mr. Parcels asked
21 if this would accelerate the pipeline between the two reservoirs. Mr. Lynn
22 replied that he thinks it has been accelerated as much as it can. He noted
23 that the Sugar Hollow to Ragged Mountain pipeline moves about 3-4 mgd.
24 He stated that the South Rivanna to Ragged Mountain pipeline will move
25 about 25 mgd.

26 Mr. Parcels asked if any other surrounding counties besides Greene
27 County have discussed connecting to our water system. Mr. Lunsford replied
28 no. He mentioned that there are a handful of ACSA customers in Scottsville
29 that are in Fluvanna County. Mr. Lynn added that those customers are in the
30 Town of Scottsville limits, even though they are in Fluvanna County, which
31 makes them part of the ACSA jurisdictional area. Mr. Parcels asked if we

Albemarle County Service Authority Board of Directors

1 have a pipeline that goes all the way down there. Mr. Lynn stated that it is
2 not that far. Mr. Morrison stated that the ACSA system extends about a
3 quarter mile into Fluvanna County.

4
5 11. Adjourn

6 ***There being no further business, Ms. Palmer moved that the***
7 ***meeting be adjourned, seconded by Mr. Parcels. All members voted***
8 ***aye.***

9
10

Quin Lunsford, Secretary-Treasurer

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

AGENDA TITLE: Monthly Financial Reports	AGENDA DATE: October 17, 2024
STAFF CONTACT/PREPARER: Quin Lunsford, Executive Director	ACTION: Informational
	ATTACHMENTS: Yes

BACKGROUND: Water and sewer financial reports and check registers for the month of September are attached for your review.

DISCUSSION:

- Water consumption for the month of August decreased 6.3% compared to July. Water consumption for the month of August 2024 compared to August 2023 decreased 1.9%.
- RWSA's invoice of \$2,648,222 for the month of August was paid on September 5, 2024.
- Unearned water and sewer connection charges totaled \$2,709,253 at month end.
- System connection charges are ahead of budgeted expectations with \$482,960 recognized in September.
- Water and Wastewater revenues for FY 2025 are above budgeted expectations by 14.5%. Please see the water/wastewater trend analysis included illustrating that when adjustment for expected variations in seasonal consumption are considered, revenues are 3.0% higher than budgeted expectations.
- Investment statements for September were not available at the time the Board Packet was prepared. Changes in investment value and interest earned reflect changes in August.

BUDGET IMPACT: Informational only.

RECOMMENDATIONS: None

BOARD ACTION REQUESTED: None; informational item only.

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY****ATTACHMENTS:**

1. Statement of Net Position
2. Year-to-Date Budget to Actual Comparison/Commentary
3. Capacity/System Development Reserves
4. Connection Charges/ERC Analysis
5. Monthly Water and Sewer Charges from the RWSA
6. Monthly Water Consumption
7. Water and Sewer Report; Customer Class Report
8. Major Customer Analysis
9. Water/Wastewater Revenue Trend Analysis
10. Aged Receivables Analysis
11. Check Register

ALBEMARLE COUNTY SERVICE AUTHORITY

STATEMENT OF NET POSITION

September 30, 2024

ASSETS

Cash and cash equivalents	\$ 9,465,205
Accounts receivable	6,113,946
Investments	53,047,833
Capital assets: (net of accumulated depreciation)	186,664,540
Inventory	765,132
Prepays	2,985
Cash and cash equivalents, restricted	800,790
	<hr/>
Total assets	256,860,431
	<hr/>

DEFERRED OUTFLOWS OF RESOURCES

Combined deferred outflows of resources	1,156,042
	<hr/>

LIABILITIES

Accounts payable	4,053,067
Accrued liabilities	448,263
Compensated absences	836,470
Net pension liability	3,030,688
Other post-employment benefits	1,088,723
Unearned connection fees	2,709,253
Long-term debt	4,077,648
	<hr/>
Total liabilities	16,244,112
	<hr/>

DEFERRED INFLOWS OF RESOURCES

Combined deferred inflows of resources	799,130
	<hr/>

NET POSITION

240,973,231

	Budget FY 2025	Budget Year-to-Date 2025	September Actual Year-to-Date	Actual vs. Budget	Variance Percentage
Revenues					
Water Sales	22,650,000.	5,662,500.	6,746,234.	1,083,734.	19.14%
Sewer Service	17,850,000.	4,462,500.	4,845,377.	382,877.	8.58%
Total operating revenues	40,500,000.	10,125,000.	11,591,611.	1,466,611.	14.49% A
Operating Expenses					
Purchase of bulk water	(18,148,000.)	(4,537,000.)	(4,900,801.)	(363,801.)	8.02% B
Purchase of sewer treatment	(13,782,000.)	(3,445,500.)	(3,090,665.)	354,835.	(10.30%) B
Administration	(1,585,600.)	(396,400.)	(315,452.)	80,948.	(20.42%) C
Finance	(3,283,100.)	(820,775.)	(716,565.)	104,210.	(12.70%) C
Information Technology	(2,143,000.)	(535,750.)	(586,060.)	(50,310.)	9.39% C
Engineering	(2,631,400.)	(657,850.)	(610,807.)	47,043.	(7.15%) C
Maintenance	(5,092,000.)	(1,273,000.)	(1,045,315.)	227,685.	(17.89%) C
Total operating expenses	(46,665,100.)	(11,666,275.)	(11,265,665.)	400,610.	(3.43%)
Operating gain(loss)	(6,165,100.)	(1,541,275.)	325,946.	1,867,221.	(121.15%)
Nonoperating Revenues					
System connection charges	8,000,000.	2,000,000.	2,193,143.	193,143.	9.66% D
Investment/Interest Income	2,000,000.	500,000.	878,903.	378,903.	75.78% E
Rental income	16,000.	4,000.	3,726.	(274.)	(6.85%)
Miscellaneous revenues	761,000.	190,250.	197,596.	7,346.	3.86% F
Total nonoperating revenues (expenses)	10,777,000.	2,694,250.	3,273,368.	579,118.	21.49%
Nonoperating Expenses					
Miscellaneous expenses	(890,300.)	(222,575.)	(3,403.)	219,172.	(98.47%) G
Bond interest charges	(183,859.)	(45,965.)	-	45,965.	(100.00%) H
Depreciation	0.	0.	(1,141,286.)	(1,141,286.)	0.00% I
Total nonoperating revenues (expenses)	(1,074,159.)	(268,540.)	(1,144,689.)	(876,149.)	326.26%
Capital contributions	0.	0.	707,789.	707,789.	
Change in Net Position	3,537,741.	884,435.	3,162,414.	2,277,979.	257.56%

**Albemarle County Service Authority
Actual-to-Budget Year to Date Commentary**

- A.** Water and sewer revenues were more than budgeted amounts by 14.5%. Consumption through September (gallons) appears reasonable considering the ACSA's normal seasonal consumption pattern and abnormally dry/hot weather. Additional information related to seasonal revenue expectations can be found later in the Board packet.
- B.** Expenses related to purchases of bulk water and sewer treatment from the RWSA are more than budgeted amounts by 0.1%. Monthly billings prepared by the RWSA allocate total water/wastewater flows to the ACSA/City based on the consumption of each for the quarter immediately preceding.
- C.** Departmental operating budgets through the current month remain below budgeted expectations for the fiscal year with the exception of Information Technology. Variations early in the fiscal year are expected as timing of expenses can more greatly impact variances. Departmental expenses will continue to be monitored throughout the fiscal year and are expected to align with the budget.
- D.** System connection charges are higher than the budgeted amount. Connection charges are often difficult to project and can fluctuate from year to year. These charges are dependent upon new customers connecting to the system.
- E.** Investment income, which includes both interest income and adjustments to fair market value are recorded in these accounts. Investment earnings are ahead of budgeted expectations through the current month.
- F.** Miscellaneous revenues consist of multiple lines and include inspection fees, plan review, reconnections/initial bill fees, invoiced water usage, and gains associated with sales of capital assets retired from service.
- G.** The budgeted amount includes expected outlays for capital equipment and other miscellaneous items. Equipment is capitalized when placed in service.
- H.** Bond interest charges are recorded as incurred.
- I.** Depreciation is not a budgeted line-item accounting for the variance. Depreciation expense is considered during the annual budgeting process as this expense is utilized to calculate the required contribution to the 3r reserve.

Capacity/System Development Reserves



Note: Additions to Capacity/System Development Reserves are from monthly connection charges, reductions to the reserves are from monthly growth related expenses/capital costs.

Albemarle County Service Authority
Connection Fee Analysis
August 2024

Area	August 2024 Monthly Connection Fees	August 2023 Monthly Connection Fees	\$ Change	% Change
Crozet	\$ 137,000	\$ 516,645	\$ (379,645)	-73%
Urban	318,400	590,850	(272,450)	-46%
Scottsville	-	300	(300)	-
Total Connection fees	\$ 455,400	\$ 1,107,795	\$ (652,395)	-59%
Through August				
Area	YTD FY 2025 Connection Fees	YTD FY 2024 Connection Fees	\$ Change	% Change
Crozet	\$ 375,180	\$ 800,475	\$ (425,295)	-53%
Urban	1,335,003	889,700	445,303	50%
Scottsville	-	300	(300)	-
Total Connection fees	\$ 1,710,183	\$ 1,690,475	\$ 19,708	1%

Area	August 2024 ERC's	August 2023 ERC's	Change	% Change
Crozet	10	36	(26)	-72%
Urban	22	41	(19)	-46%
Scottsville	-	-	-	-
Total ERC's	32	77	(45)	-58%
Through August				
Area	YTD FY 2025 ERC's	YTD FY 2024 ERC's	Change	% Change
Crozet	26	55	(29)	-53%
Urban	92	61	31	51%
Scottsville	-	-	-	-
Total ERC's - YTD	118	116	2	2%

Note: This analysis shows, both in dollars and ERC's, connections by month and YTD for the period under review. As noted above, connection fees are comparable to the prior year. See the "Three Year Connection Fee Comparison" for further discussion related to this change.

**Albemarle County Service Authority
Three Year Connection Fee Comparison
August 2024**

Area	August 2024 ERC's	August 2023 ERC's	August 2022 ERC's
Crozet	10	36	18
Urban	22	41	30
Scottsville	-	-	-
Total ERC's	32	77	48

Through August			
Area	YTD FY 2025 ERC's	YTD FY 2024 ERC's	YTD FY 2023 ERC's
Crozet	26	55	26
Urban	92	61	82
Scottsville	-	-	-
Total ERC's - YTD	118	116	108

Note: The information above present ERCs by month and YTD for the current and past two fiscal years. As noted in the YTD portion of the analysis, current YTD ERCs appear reasonable considering continued development within the ACSA's service area.

**Albemarle County Service Authority
Water and Sewer Charges from the RWSA
Fiscal Year 2025**

	FY 2025	FY 2024	Increase	
	RWSA Charges	RWSA Charges	(Decrease)	
July	\$ 2,622,835	\$ 2,352,971	\$ 269,864	11.47%
August	2,648,222	2,352,440	295,782	12.57%
September	2,718,386	2,286,484	431,902	18.89%
October		2,277,041		-100.00%
November		2,204,989		-100.00%
December		2,249,566		-100.00%
January		2,356,246		-100.00%
February		2,269,378		-100.00%
March		2,342,273		-100.00%
April		2,265,591		-100.00%
May		2,313,334		-100.00%
June		2,283,431		-100.00%
	<hr/>	<hr/>		
	\$ 7,989,443	\$ 27,553,743		
YTD	\$ 7,989,443	\$ 6,991,895	\$ 997,548	14.27%

Note: The charges noted above from the RWSA include operating and debt service charges.

**Albemarle County Service Authority
Consumption Analysis
Fiscal Year 2025**

	FY 2025 Consumption	FY 2024 Consumption		Monthly Precipitation (In.)	
				FY 2025	FY 2024
July	178,898,841	154,300,020	15.94%	2.97	5.44
August	167,569,158	170,746,002	-1.86%		2.51
September		176,070,325	-100.00%		2.98
October		165,947,566	-100.00%		0.59
November		154,337,781	-100.00%		3.67
December		145,323,150	-100.00%		4.80
January		137,727,440	-100.00%		6.58
February		135,574,438	-100.00%		2.31
March		137,885,342	-100.00%		3.70
April		136,213,084	-100.00%		1.85
May		153,343,279	-100.00%		5.00
June		162,940,773	-100.00%		1.21
	346,467,999	1,830,409,200		2.97	40.64
YTD	346,467,999	325,046,022	6.59%	2.97	7.95

Note: Consumption through August 2024 is 6.6% more than the same period in fiscal year 2024. Monthly precipitation figures have been included for comparison purposes. Trends in rainfall can sometimes correlate with trends in consumption however, depending on the intensity, days between rain events, or other factors, this may not always be the case.

Note: Precipitation data obtained from National Oceanic and Atmospheric Administration (NOAA): <https://www.ncdc.noaa.gov/cdo-web/search>. Due to Hurricane Helene, the NOAA in Ashville has been significantly impacted by Hurricane Helene. As a result, monthly precipitation information is unavailable. These figures will be updated once available.



Water and Sewer Report

(Volumes in Gallons)

August 2024

Metered by Area:	Water	Sewer
Crozet	20,071,596	17,122,871
Scottsville	1,267,577	826,637
Urban	146,191,611	117,066,899
Red Hill	38,374	0
Total	167,569,158	135,016,407

Wastewater Flows by Sewer Plant:	
Total Urban and Crozet	134,189,770
less Glenmore WRRF	(3,848,235)
Moores Creek AWRRF	130,341,535
Scottsville WRRF	826,637
Total	131,168,172

Number of Installed Meters:	
Urban	31
Crozet	10
Scottsville	0
Total	41

Hydrant Meter Consumption (billed by invoice):	
Urban	1,424,400
Crozet	500
Scottsville	
Total	1,424,900

Estimated Water Loss:		
Bird Street-8/19/2024	Scottsville	100
Bird Street-8/26/2024	Scottsville	100
	Total	200

Billed Consumption for Selected Customers					
	<u>Water</u>	<u>Sewer</u>		<u>Water</u>	<u>Sewer</u>
Virginia Land Holding	264,265	264,265	Boar's Head Inn	614,685	595,133
Southwood Mobile Homes	1,808,700	1,790,000	Farmington, Inc.	1,174,967	559,936
Turtle Creek Apartments	1,459,550	1,454,852	Westgate Apts.	1,184,869	1,183,869
Barracks West Apartments	1,541,948	1,541,948	PR Charger C'ville Holdings	2,358,459	2,358,459
Monroe Health and Rehab.	673,783	673,783	Four Seasons Apts	1,714,907	1,714,907
Sunrise Senior "Colonnades"	1,068,916	787,616	Ch'ville/Alb Airport	222,788	222,645
ACRJ	1,169,960	946,960	State Farm	256,950	58,865
Westminster Canterbury	1,971,300	1,803,300	Hyatt @ Stonefield	565,627	558,326
SEMF Charleston	1,553,689	1,553,689	Doubletree	834,387	834,387
Martha Jefferson Hospital	2,874,768	1,345,781	Arden Place Apts.	473,170	473,170
Crozet Mobile Home Village	296,718	296,718	Hilton Garden Inn	308,013	238,732
The Home Depot	295,815	295,815	The Blake @ Charlottesville	176,497	176,497
County of Albemarle	2,504,921	973,867	The Lodge @ Old Trail	258,478	258,478
University of Virginia	2,865,166	2,857,825	Gov't-Defense Complex	1,011,609	956,261
Wegmans	410,018	410,018	Harris Teeter Stores	202,571	202,571



August 2024

WATER

Class Type	Number of Connections by Area			Total
	<u>Urban</u>	<u>Crozet</u>	<u>Scottsville</u>	
Single-Family Residential	16,329	4,019	195	20,543
Multi-Family Residential	584	56	3	643
Commercial (Offices)	201	12	5	218
Commercial (Other)	938	77	54	1,069
Industrial	37	11	4	52
Institutional	174	32	12	218
Total Water Connections	18,263	4,207	273	22,743
Plus Multiple Units	13,845	854	89	14,788
Total Water Units	32,108	5,061	362	37,531

SEWER

Class Type	Number of Connections by Area			Total
	<u>Urban</u>	<u>Crozet</u>	<u>Scottsville</u>	
Single-Family Residential	14,017	3,743	157	17,917
Multi-Family Residential	553	54	4	611
Commercial (Offices)	186	12	5	203
Commercial (Other)	730	52	46	828
Industrial	15	5	1	21
Institutional	136	26	10	172
Total Sewer Connections	15,637	3,892	223	19,752
Plus Multiple Units	13,420	849	56	14,325
Total Sewer Units	29,057	4,741	279	34,077

POPULATION SERVED

Population served is the total Single-Family and Multi-Family units using an occupancy of 2.5 residents per unit:

	<u>Urban</u>	<u>Crozet</u>	<u>Scottsville</u>	<u>Total</u>
Total Water Customers	75,435	12,183	710	88,328
Total Sewer Customers	68,593	11,480	533	80,605

**Albemarle County Service Authority
Major Customer Analysis
August 2024 and July 2024**

	August 2024		July 2024		Increase(Decrease)	Increase(Decrease)
	Water*	Sewer*	Water*	Sewer*	Water Consumption	Sewer Usage
PR Charger C'ville Holdings	2,358,459	2,358,459	1,779,093	1,779,093	32.57%	32.57%
Barracks West Apartments	1,541,948	1,541,948	1,276,962	1,276,962	20.75%	20.75%
SEMF Charleston	1,553,689	1,553,689	1,346,787	1,346,787	15.36%	15.36%
Westmisnster Canterbury	1,971,300	1,803,300	1,728,310	1,558,310	14.06%	15.72%
Turtle Creek Apts.	1,459,550	1,454,852	1,283,268	1,276,510	13.74%	13.97%
Four Seasons Apts.	1,714,907	1,714,907	1,575,787	1,575,787	8.83%	8.83%
ACRJ	1,169,960	946,960	1,089,870	893,870	7.35%	5.94%
Southwood Mobile Homes	1,808,700	1,790,000	1,827,900	2,030,000	-1.05%	-11.82%
Martha Jefferson Hospital	2,874,768	1,345,781	2,920,205	1,507,365	-1.56%	-10.72%
University of Virginia	2,865,166	2,857,825	3,023,417	3,018,816	-5.23%	-5.33%
Westgate Apts.	1,184,869	1,183,869	1,325,856	1,324,456	-10.63%	-10.61%
County of Albemarle	2,504,921	973,867	2,945,487	944,228	-14.96%	3.14%
State Farm	256,950	58,865	2,095,810	1,876,405	-87.74%	-96.86%

Note: Only major customers of the ACSA have been analyzed above. For purposes of this analysis, major customers are those who, on average, consume over one million gallons per month. Variations can occur for a variety of reasons including but not limited to: conscious conservation efforts, expansion, weather, vacancies, etc.

*** -- Consumption/usage in gallons.**

**Albemarle County Service Authority
Major Customer Analysis
August 2024 and August 2023**

	August 2024		August 2023		Increase(Decrease)	Increase(Decrease)
	Water*	Sewer*	Water*	Sewer*	Water Consumption	Sewer Usage
County of Albemarle	2,504,921	973,867	1,725,336	883,637	45.18%	10.21%
University of Virginia	2,865,166	2,857,825	2,237,573	2,234,804	28.05%	27.88%
Four Seasons Apts.	1,714,907	1,714,907	1,475,251	1,475,251	16.25%	16.25%
PR Charger C'ville Holdings	2,358,459	2,358,459	2,044,947	2,044,947	15.33%	15.33%
ACRJ	1,169,960	946,960	1,145,890	945,890	2.10%	0.11%
Turtle Creek Apts.	1,459,550	1,454,852	1,448,872	1,446,296	0.74%	0.59%
Southwood Mobile Homes	1,808,700	1,790,000	1,803,660	2,100,000	0.28%	-14.76%
Martha Jefferson Hospital	2,874,768	1,345,781	2,885,209	1,230,650	-0.36%	9.36%
Westmisnster Canterbury	1,971,300	1,803,300	1,980,810	1,874,810	-0.48%	-3.81%
SEMF Charleston	1,553,689	1,553,689	1,562,157	1,562,157	-0.54%	-0.54%
Westgate Apts.	1,184,869	1,183,869	1,259,678	1,258,078	-5.94%	-5.90%
Barracks West Apartments	1,541,948	1,541,948	1,840,278	1,840,278	-16.21%	-16.21%
State Farm	256,950	58,865	1,880,590	1,780,311	-86.34%	-96.69%

Note: Only major customers of the ACSA have been analyzed above. For purposes of this analysis, major customers are those who, on average, consume over one million gallons per month. Variations can occur for a variety of reasons including but not limited to: conscious conservation efforts, expansion, weather, vacancies, etc.

*** -- Consumption/usage in gallons.**

Albemarle County Service Authority

Major Customer Analysis

Year-to-date Comparison: Current Year/Prior Year -- August

	YTD FY 2025		YTD FY 2024		Increase(Decrease)	Increase(Decrease)
	Water*	Sewer*	Water*	Sewer*	Water Consumption	Sewer Usage
County of Albemarle	5,450,408	1,918,095	3,169,659	1,496,239	71.96%	28.19%
University of Virginia	5,888,583	5,876,641	4,352,916	4,344,326	35.28%	35.27%
Four Seasons Apts.	3,290,694	3,290,694	2,945,457	2,945,457	11.72%	11.72%
ACRJ	2,259,830	1,840,830	2,027,990	1,695,990	11.43%	8.54%
Martha Jefferson Hospital	5,794,973	2,853,146	5,227,147	2,431,488	10.86%	17.34%
Westmisnster Canterbury	3,699,610	3,361,610	3,453,150	3,267,150	7.14%	2.89%
Westgate Apts.	2,510,725	2,508,325	2,410,419	2,406,619	4.16%	4.23%
Southwood Mobile Homes	3,636,600	3,820,000	3,520,430	4,410,000	3.30%	-13.38%
PR Charger C'ville Holdings	4,137,552	4,137,552	4,013,083	4,013,083	3.10%	3.10%
Turtle Creek Apts.	2,742,818	2,731,362	2,668,426	2,665,040	2.79%	2.49%
SEMF Charleston	2,900,476	2,900,476	3,194,904	3,194,904	-9.22%	-9.22%
Barracks West Apartments	2,818,910	2,818,910	3,183,879	3,183,879	-11.46%	-11.46%
State Farm	2,352,760	1,935,270	3,182,790	2,963,318	-26.08%	-34.69%

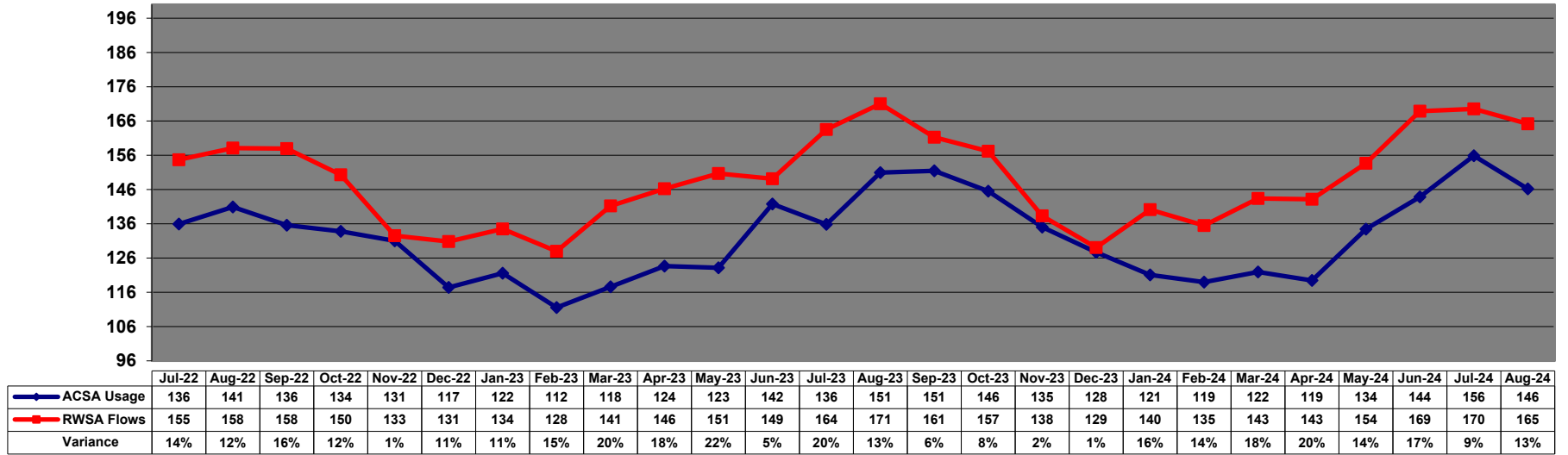
Note: Only major customers of the ACSA have been analyzed above. For purposes of this analysis, major customers are those who, on average, consume over one million gallons per month. Variations can occur for a variety of reasons including but not limited to: conscious conservation efforts, expansion, weather, vacancies, etc.

*** -- Consumption/usage in gallons.**

FY 2023, 2024, and 2025 Urban Water Comparison RWSA Flows & ACSA Customer Usage

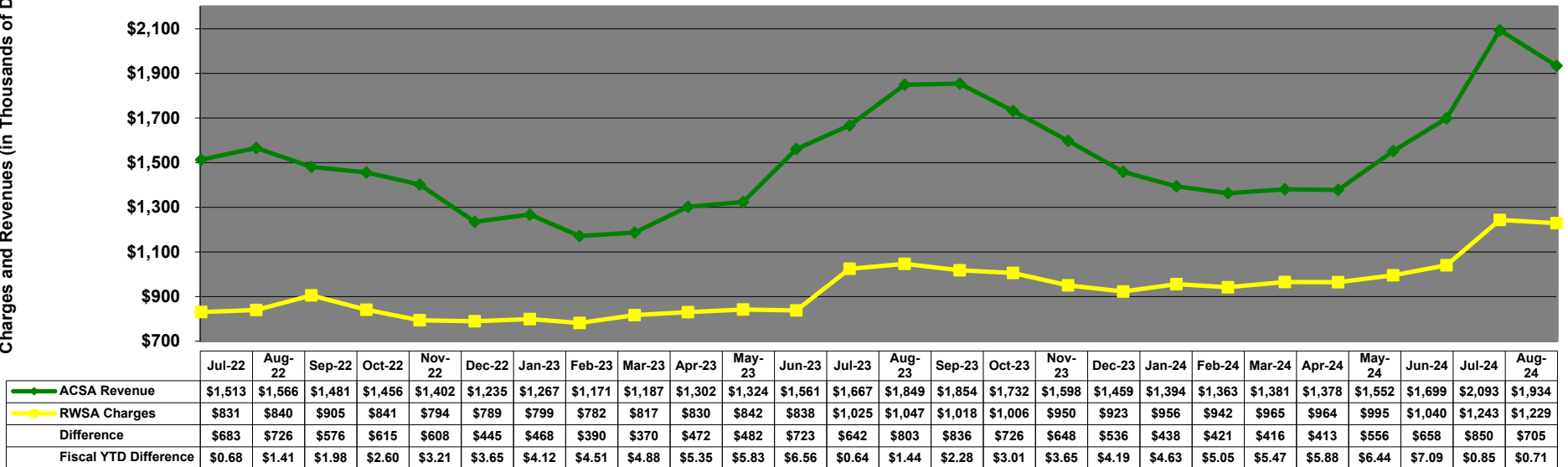
38

Flows & Usage (in Millions of Gallons)



Charges and Revenues (in Thousands of Dollars)

FY 2023, 2024, and 2025 Urban Water Comparison RWSA Billed Water Charges & ACSA Billed Water Revenues

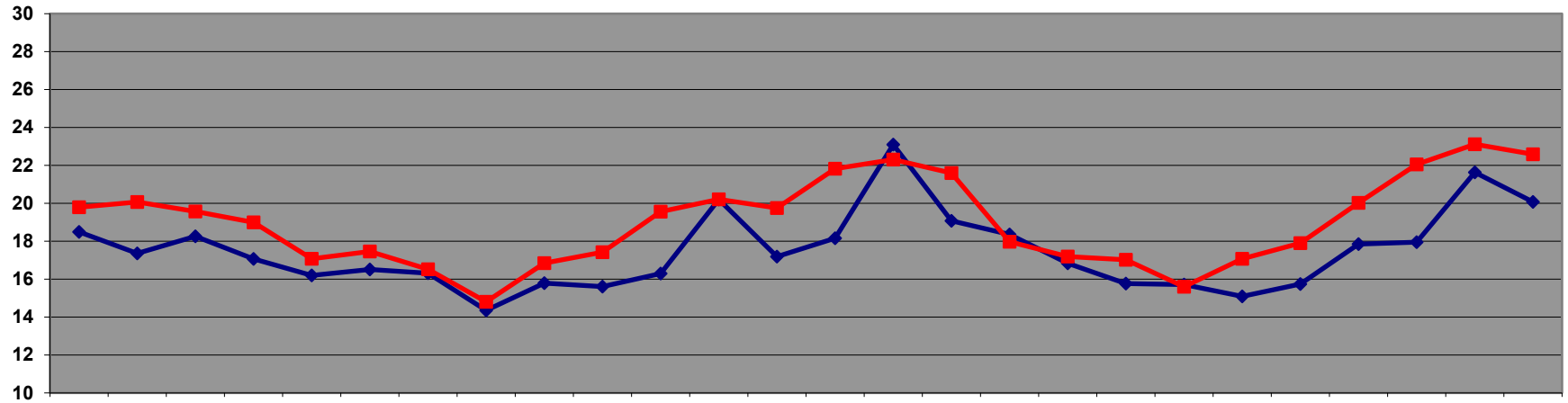




Note: Fiscal YTD Difference (ONLY) in Millions of Dollars

FY 2023, 2024, and 2025 Crozet Water Comparison RWSA Flows & ACSA Customer Usage

39

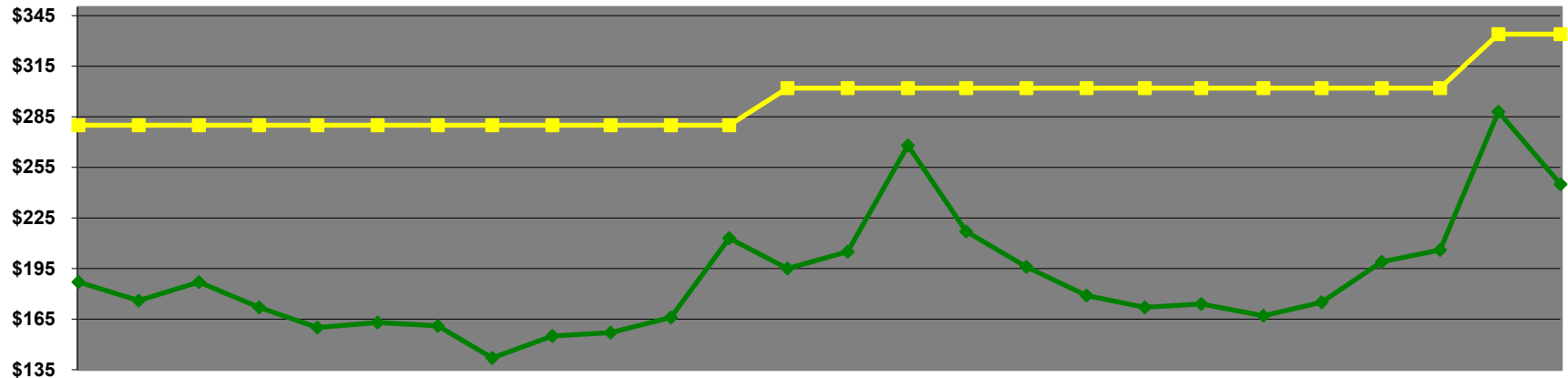
Flows & Usage (in Millions of Gallons)



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
 ACSA Usage	18	17	18	17	16	17	16	14	16	16	16	20	17	18	23	19	18	17	16	16	15	16	18	18	22	20
 RWSA Flows	20	20	20	19	17	17	17	15	17	17	20	20	20	22	22	22	18	17	17	16	17	18	20	22	23	23
Variance	7%	16%	7%	11%	5%	6%	1%	3%	7%	12%	20%	0%	15%	20%	-3%	13%	-2%	2%	8%	-1%	13%	14%	12%	23%	7%	13%

FY 2023, 2024, and 2025 Crozet Water Comparison RWSA Billed Water Charges & ACSA Billed Water Revenues

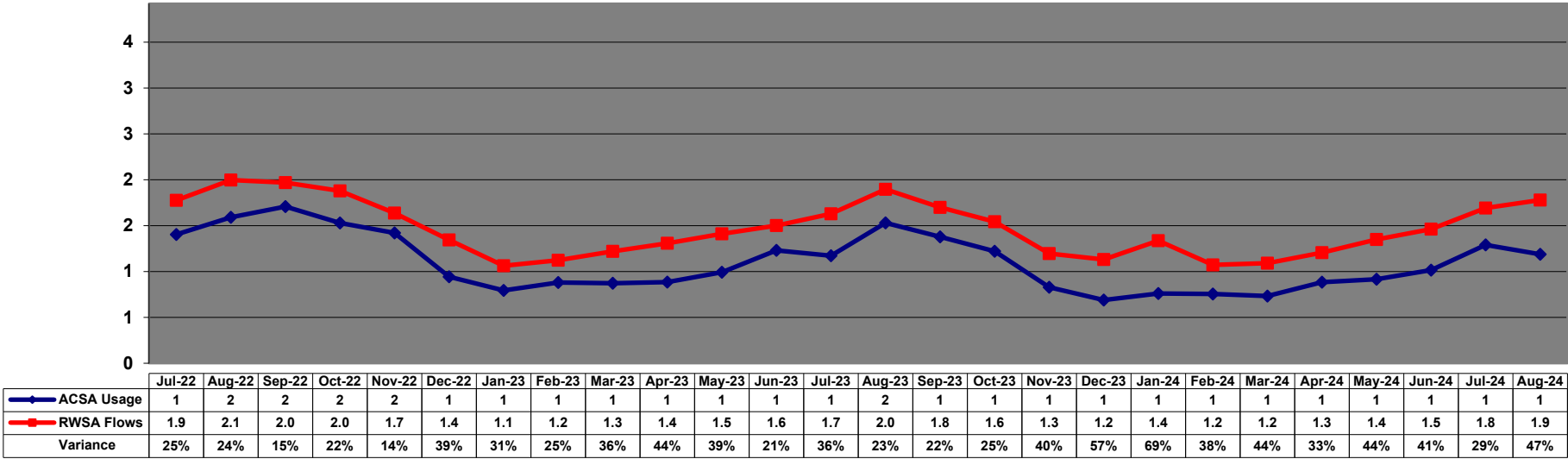
Charges and Revenues (in Thousands of Dollars)



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
ACSA Revenue	\$187	\$176	\$187	\$172	\$160	\$163	\$161	\$142	\$155	\$157	\$166	\$213	\$195	\$205	\$268	\$217	\$196	\$179	\$172	\$174	\$167	\$175	\$199	\$206	\$288	\$245
RWSA Charges	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$280	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$302	\$334	\$334
Difference	(\$93)	(\$104)	(\$93)	(\$108)	(\$120)	(\$117)	(\$119)	(\$138)	(\$125)	(\$123)	(\$114)	(\$67)	(\$107)	(\$97)	(\$34)	(\$85)	(\$106)	(\$123)	(\$130)	(\$128)	(\$135)	(\$127)	(\$103)	(\$96)	(\$46)	(\$89)
Fiscal YTD Difference	(\$0.09)	(\$0.20)	(\$0.29)	(\$0.40)	(\$0.52)	(\$0.64)	(\$0.75)	(\$0.89)	(\$1.02)	(\$1.14)	(\$1.25)	(\$1.32)	(\$0.11)	(\$0.20)	(\$0.24)	(\$0.32)	(\$0.43)	(\$0.55)	(\$0.68)	(\$0.81)	(\$0.95)	(\$1.07)	(\$1.18)	(\$1.27)	(\$0.05)	(\$0.09)

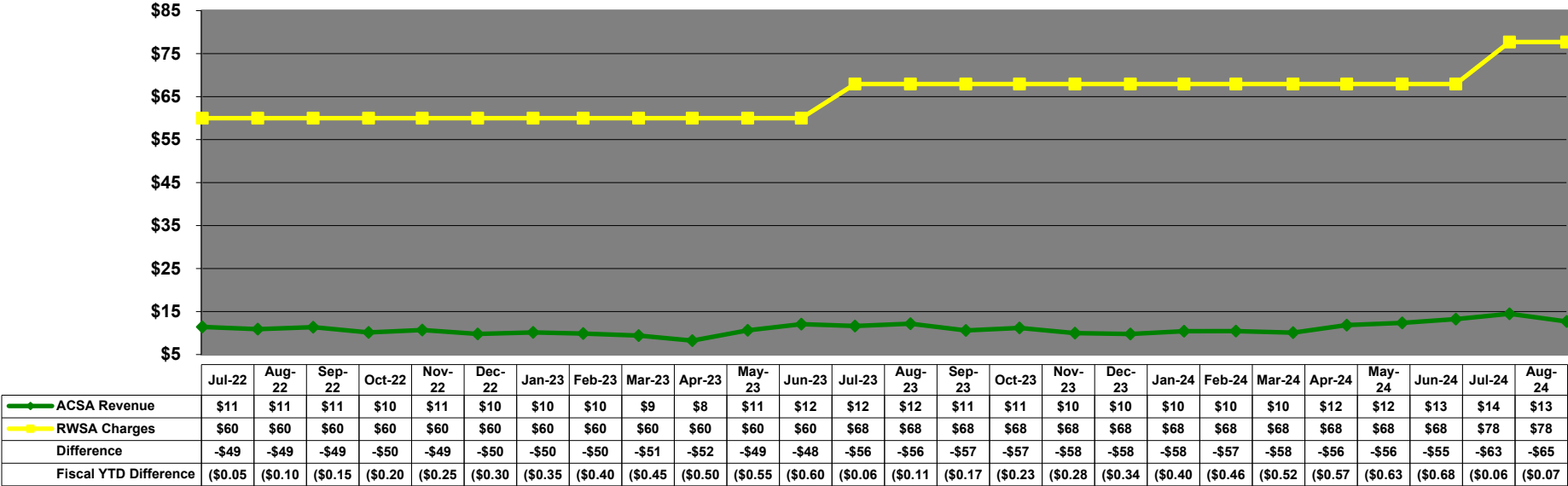
FY 2023, 2024, and 2025 Scottsville Water Comparison
RWSA Flows & ACSA Customer Usage

Flows & Usage (in Millions of Gallons)



FY 2023, 2024, and 2025 Scottsville Water Comparison
RWSA Billed Water Charges & ACSA Billed Water Revenues

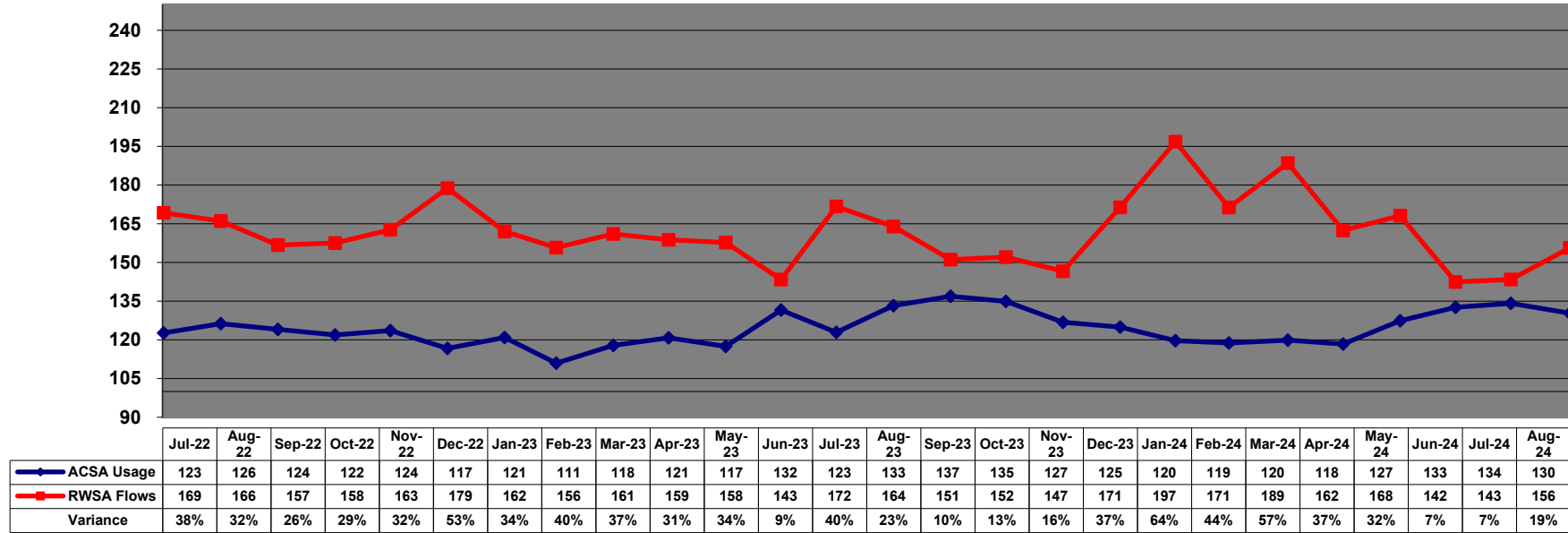
Charges and Revenues (in Thousands of Dollars)



**FY 2023, 2024, and 2025 Urban (including Glenmore) & Crozet Sewer Comparison
ACSA Customer Usage & RWSA Flows**

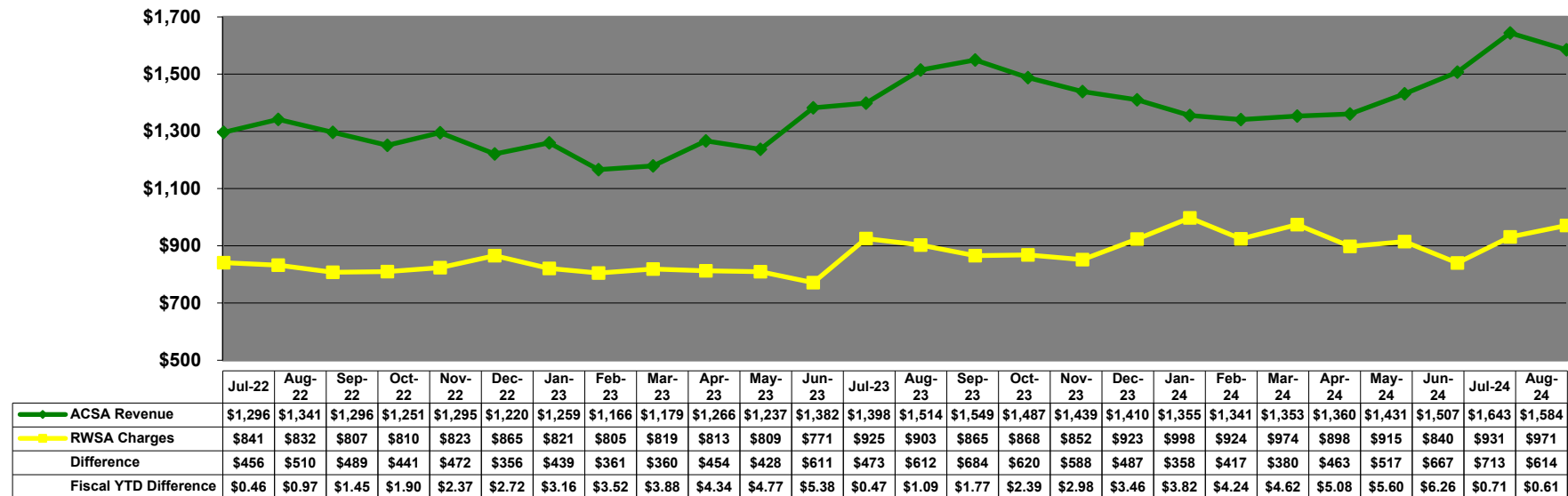
41

Usage & Flows (in Millions of Gallons)



**FY 2023, 2024, and 2025 Urban (including Glenmore) & Crozet Sewer Comparison
ACSA Billed Sewer Usage & RWSA Billed Sewer Charges**

Charges & Revenues (in Thousands of Dollars)

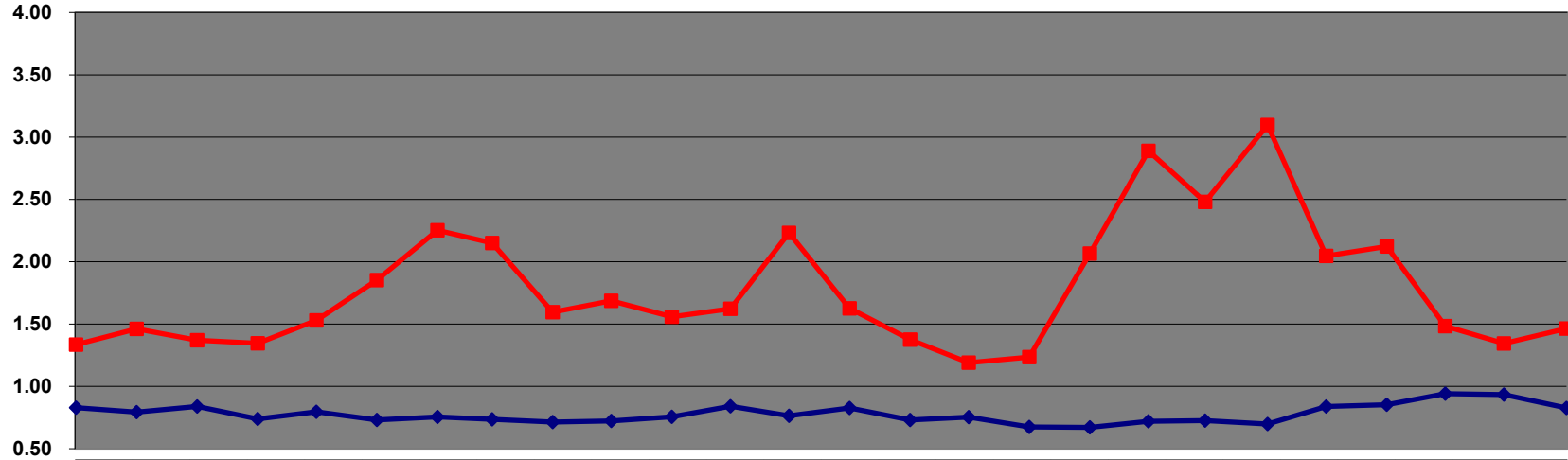


Note: Fiscal YTD Difference (ONLY) in Millions of Dollars

FY 2023, 2024, and 2025 Scottsville Sewer Comparison ACSA Customer Usage & RWSA Flows

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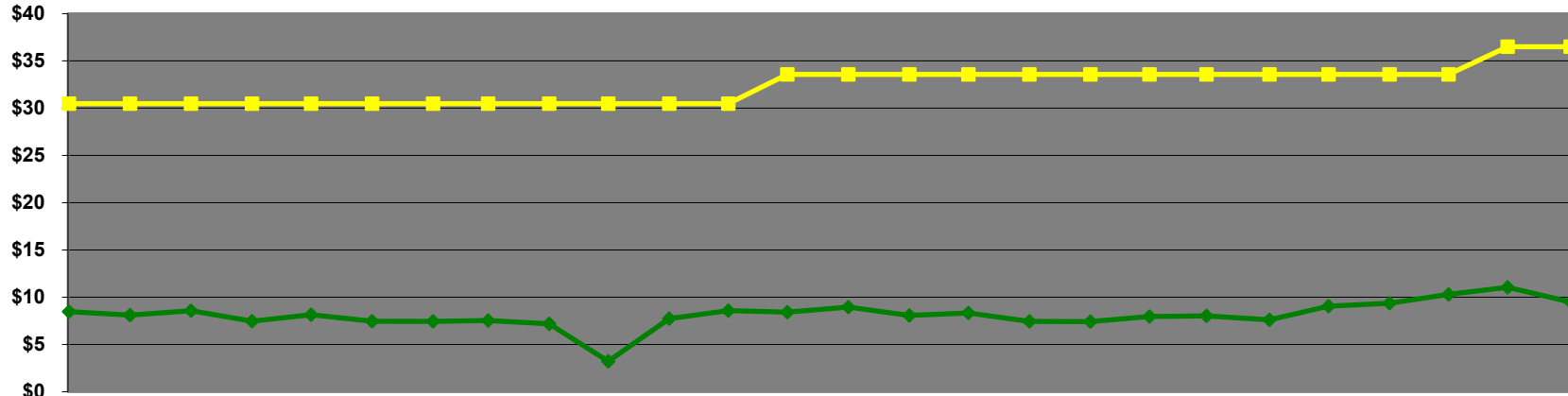
Usage & Flows (in Millions of Gallons)



	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
ACSA Usage	0.83	0.79	0.84	0.74	0.80	0.73	0.75	0.74	0.71	0.72	0.76	0.84	0.76	0.83	0.73	0.75	0.67	0.67	0.72	0.73	0.70	0.84	0.85	0.94	0.93	0.83
RWSA Flows	1.34	1.46	1.37	1.35	1.53	1.85	2.25	2.15	1.60	1.69	1.56	1.62	2.23	1.63	1.38	1.19	1.24	2.07	2.89	2.48	3.10	2.05	2.12	1.48	1.34	1.46
Variance	61%	84%	63%	82%	92%	154%	198%	192%	124%	133%	106%	93%	192%	97%	88%	58%	83%	208%	301%	242%	344%	144%	149%	58%	44%	77%

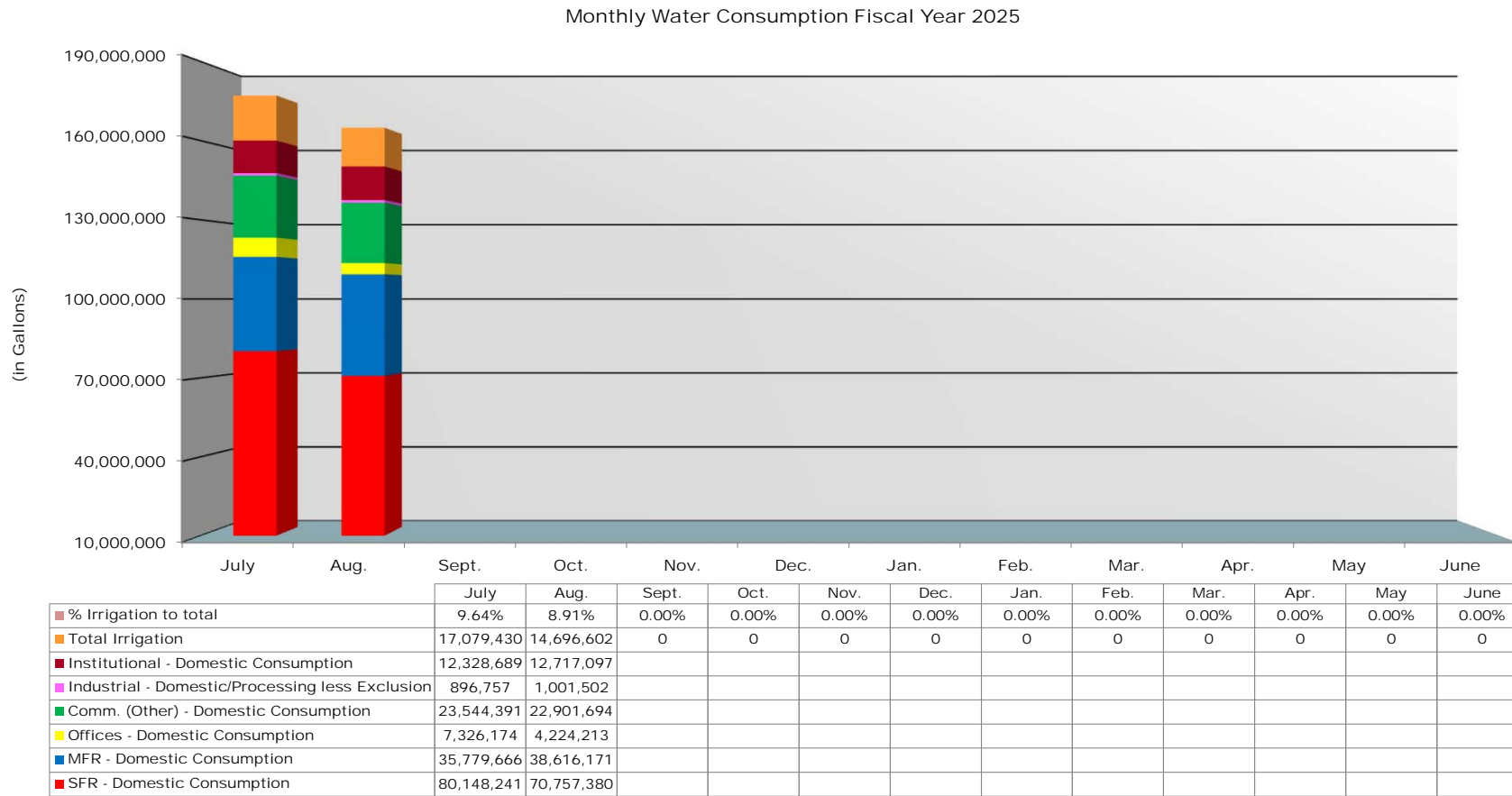
FY 2023, 2024, and 2025 Scottsville Sewer Comparison ACSA Billed Sewer Usage & RWSA Billed Sewer Charges

Charges & Revenues (in Thousands of Dollars)

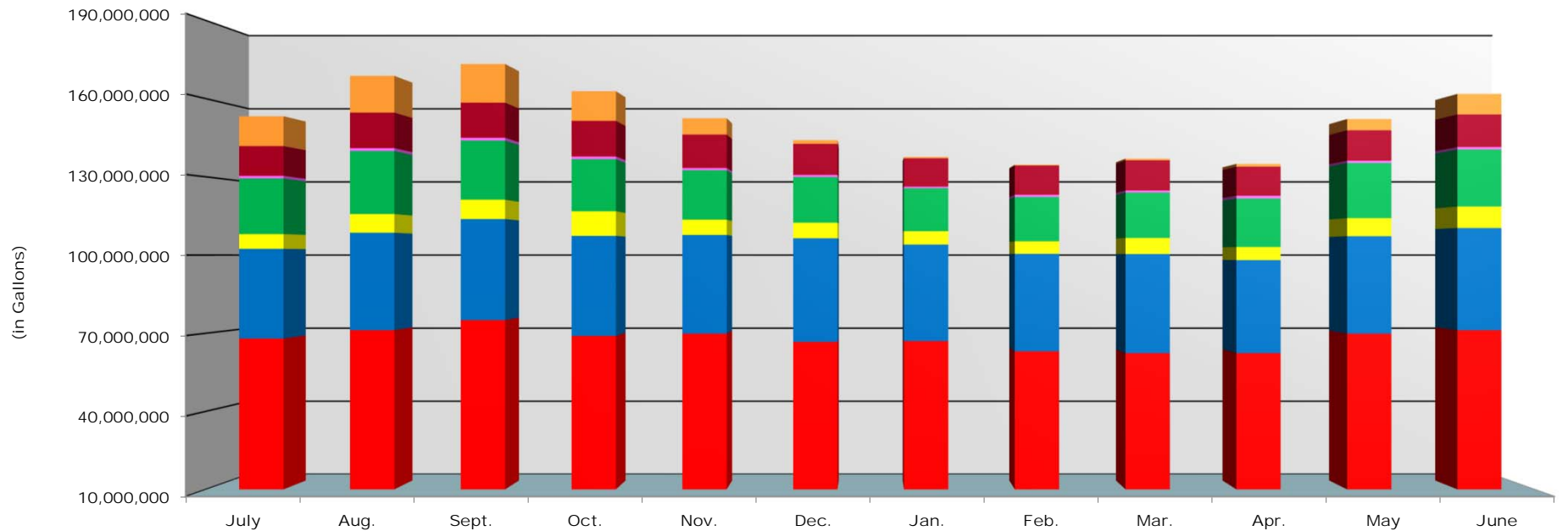


	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
ACSA Revenue	\$8.48	\$8.11	\$8.57	\$7.47	\$8.15	\$7.46	\$7.44	\$7.53	\$7.19	\$3.22	\$7.74	\$8.58	\$8.42	\$8.95	\$8.07	\$8.33	\$7.44	\$7.42	\$7.96	\$8.02	\$7.61	\$9.05	\$9.36	\$10.30	\$11.05	\$9.49
RWSA Charges	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$36	\$36
Difference	-\$22	-\$22	-\$22	-\$23	-\$22	-\$23	-\$23	-\$23	-\$23	-\$27	-\$23	-\$22	-\$25	-\$25	-\$25	-\$25	-\$26	-\$26	-\$26	-\$26	-\$26	-\$25	-\$24	-\$23	-\$25	-\$27
Fiscal YTD Difference	-\$0.02	-\$0.04	-\$0.07	-\$0.09	-\$0.11	-\$0.13	-\$0.16	-\$0.18	-\$0.20	-\$0.23	-\$0.25	-\$0.28	-\$0.03	-\$0.05	-\$0.08	-\$0.10	-\$0.13	-\$0.15	-\$0.18	-\$0.20	-\$0.23	-\$0.25	-\$0.28	-\$0.30	-\$0.03	-\$0.03

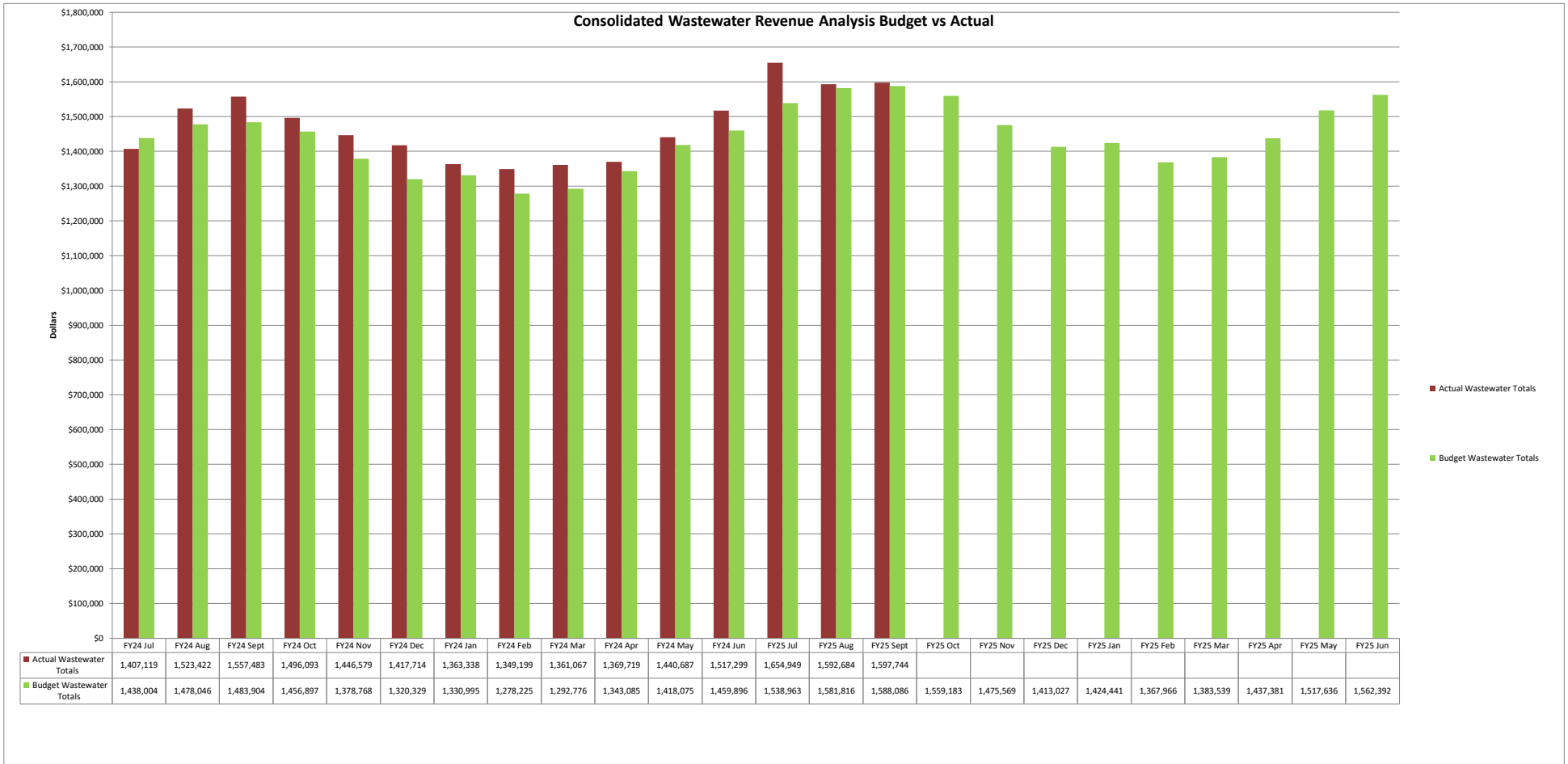
Note: Fiscal YTD Difference (ONLY) in Millions of Dollars

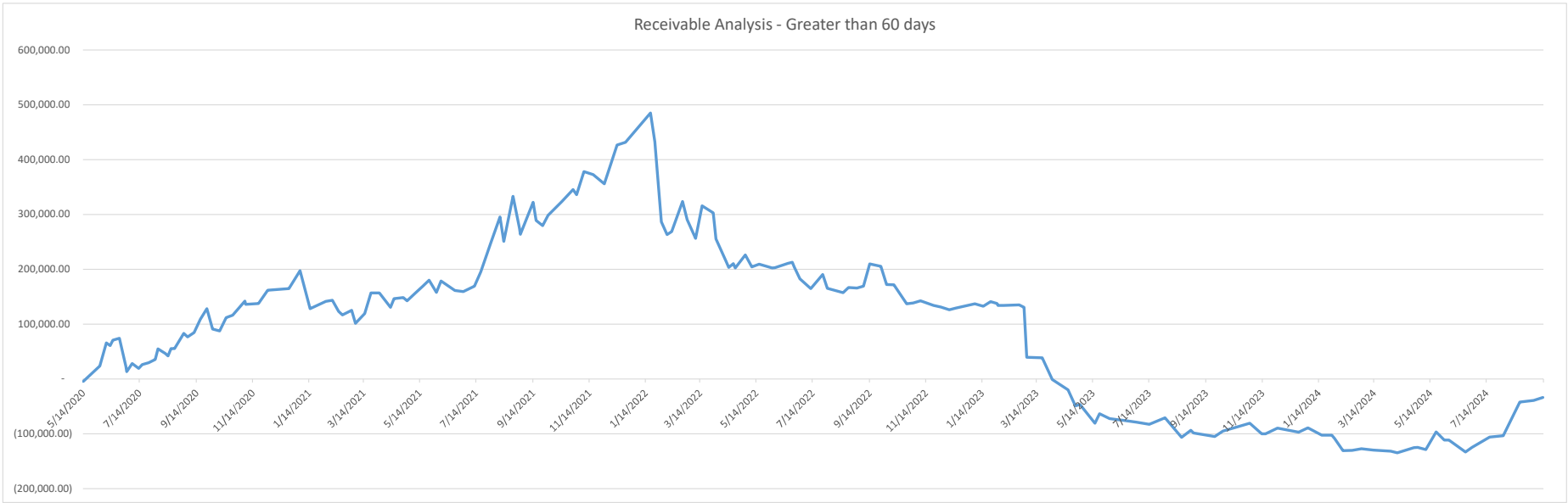


Monthly Water Consumption Fiscal Year 2024



	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
% Irrigation to total	7.48%	8.35%	8.57%	7.01%	4.10%	1.02%	0.36%	0.25%	0.47%	0.80%	2.85%	4.88%
Total Irrigation	11,456,536	14,098,787	14,847,145	11,424,153	6,256,436	1,469,709	498,886	334,491	638,165	1,075,842	4,335,899	7,891,307
Institutional - Domestic Consumption	11,422,399	13,645,824	13,463,936	13,656,468	12,824,386	11,907,305	10,858,597	11,228,113	11,589,322	11,148,142	11,655,610	12,507,954
Industrial - Domestic/Processing less Exclusion	966,653	1,077,656	1,057,633	1,026,110	861,358	803,364	609,853	850,907	820,801	1,073,059	877,108	942,031
Comm. (Other) - Domestic Consumption	21,360,672	24,192,909	22,706,395	19,990,643	18,980,282	17,518,883	16,504,729	16,999,535	17,370,595	18,578,119	21,141,516	21,882,439
Offices - Domestic Consumption	5,673,746	7,197,381	7,399,598	9,429,273	5,856,409	5,992,764	5,129,796	4,792,091	6,193,567	5,037,281	6,951,469	8,226,787
MFR - Domestic Consumption	34,431,191	37,357,730	38,794,918	38,384,145	37,854,340	39,754,868	37,028,178	37,421,461	37,990,377	35,663,074	37,363,418	39,186,516
SFR - Domestic Consumption	67,945,359	71,189,646	75,030,729	68,975,926	69,843,962	66,666,670	66,994,095	63,050,754	62,387,420	62,393,044	69,866,621	71,194,441





Albemarle County Service Authority
September 2024 Payments

CHECK NUMBER	CHECK DATE	VENDOR NAME	AMOUNT	DESCRIPTION OVER \$5,000
Wire	09/05/2024	Rivanna Water & Sewer Authority	2,648,221.68	Water & Sewer Treatment
70119	09/05/2024	Valley Contracting LLC	758,548.40	Crozet Phase 4 Watermain
ACH	09/30/2024	Payroll	187,217.57	Net Pay
ACH	09/13/2024	Payroll	181,391.42	Net Pay
70054	09/01/2024	County of Albemarle	82,299.41	Health Fund Infusion FY 2024
507248815	09/30/2024	IRS - Federal Tax Deposit	67,368.03	Payroll
505997649	09/13/2024	IRS - Federal Tax Deposit	66,407.80	Payroll
70041	09/01/2024	Anderson Construction Incorporated	56,014.03	Madison Park Pump Station
Wire	09/23/2024	The Bank of New York Mellon	47,929.90	Debt Service
505997645	09/30/2024	Virginia Retirement System	41,704.68	Payroll
507248811	09/30/2024	Virginia Retirement System	41,704.40	Payroll
507248814	09/30/2024	County of Albemarle	40,965.90	Payroll
505997648	09/30/2024	County of Albemarle	39,314.13	Payroll
70055	09/01/2024	County of Albemarle	37,108.51	Employee Clinic FY 2025
70191	09/15/2024	Virginia Risk Sharing Association	33,449.00	FY-25 Insurance Renewal
70093	09/01/2024	Paymentus Corporation	28,954.28	Transaction Fees
70123	09/15/2024	Bank of America	20,781.04	Supplies & Memberships
70108	09/01/2024	U S Postmaster	20,000.00	Bulk Mai Postage Permit 205
70062	09/01/2024	Electrical Equipment Company	19,730.45	CompactLogix Controller
70124	09/15/2024	Brown, Edwards & Company LLP	15,000.00	FY24 Audit
70189	09/15/2024	Cellco Partnership	12,101.83	Cellular Service
70114	09/01/2024	Whitman, Requardt & Assoc LLP	12,006.68	Scottsville Phase 4 Design
507248816	09/30/2024	Virginia Dept of Taxation	11,843.46	Payroll
505997650	09/13/2024	Virginia Dept of Taxation	11,639.33	Payroll
70132	09/15/2024	Consolidated Pipe & Supply	9,692.80	Inventory
70079	09/01/2024	L/B Water Service Incorporated	9,216.85	Small Tools
70057	09/01/2024	Dewberry Engineers Incorporated	8,013.50	Avon Operations Center
70153	09/15/2024	Letterpress Communications LLC	7,816.84	Communications Consultant
70130	09/15/2024	HTM/MTE Associates Inc	7,409.83	Unit #46 - Repairs
70173	09/15/2024	Provantage LLC	7,189.00	Phone System Project
70133	09/15/2024	Dominion Energy Virginia	6,894.92	Energy
70107	09/01/2024	K1 Powell's Body LLC	6,294.19	Unit 37 Tailgate Repair
70186	09/15/2024	Tammy S Tomanek	6,120.00	CPR/AED Course
505997647	09/13/2024	VALIC	5,502.50	Payroll
507248813	09/30/2024	VALIC	5,502.50	Payroll
70135	09/15/2024	EWT Holdings III Corporation	5,495.04	Bioxide
70063	09/01/2024	Evoqua Water Technologies LLC	5,296.32	Bioxide
70085	09/01/2024	Motorola Solutions Incorporated	4,483.47	
70159	09/15/2024	Mansfield Oil Company of Gainesville Inc	4,467.51	
70100	09/01/2024	RSG Landscaping LLC	4,400.57	
70156	09/15/2024	Lowe's	4,348.83	
505997644	09/13/2024	Nationwide	4,298.00	
507248810	09/30/2024	Nationwide	4,298.00	
507248809	09/30/2024	ICMA Membership Renewals	3,977.80	

505997642	09/13/2024	ICMA Membership Renewals	3,903.42
70050	09/01/2024	HTM/MTE Associates Inc	3,838.94
70060	09/01/2024	Ed's Floor Care Services LLC	3,703.33
70082	09/01/2024	Mansfield Oil Company of Gainesville Inc	3,479.98
70171	09/15/2024	PFM Asset Management LLC	3,106.46
70120	09/15/2024	168 State Farm Blvd LLC	2,624.40
70102	09/01/2024	Safeware Incorporated	2,509.72
70140	09/15/2024	Fortiline Incorporated	2,099.28
70188	09/15/2024	Validos LLC	2,040.00
70097	09/01/2024	Rappahannock Electric Cooperative	2,027.19
70162	09/15/2024	Michael Baker International Incorporated	1,967.94
70190	09/15/2024	VA Utility Protection Service Inc	1,955.00
70116	09/01/2024	Xylem Dewatering Solutions Inc	1,954.10
70096	09/01/2024	Ramboll Americas Engineering	1,885.00
70084	09/01/2024	US Electrical Services Incorporated	1,883.88
70196	09/30/2024	Guardian	1,871.18
70103	09/01/2024	Macro Retailing LLC	1,754.94
70125	09/15/2024	Buddy's Cable	1,740.00
70052	09/01/2024	Comcast	1,662.98
70104	09/01/2024	Technirain Irrigation LLC	1,600.00
505997652	09/13/2024	ACSA Flexible Spending	1,573.15
507248818	09/30/2024	ACSA Flexible Spending	1,573.15
70139	09/15/2024	AGILIS LLC	1,562.00
70199	09/30/2024	Minnesota Life Insurance Co	1,456.39
70069	09/01/2024	Generator Service Company Inc	1,444.45
505997651	09/13/2024	Flexible Benefit	1,442.50
507248817	09/30/2024	Flexible Benefit	1,442.50
70059	09/01/2024	Dominion Energy Virginia	1,418.59
70068	09/01/2024	Fortiline Incorporated	1,352.94
70192	09/15/2024	Whitman, Requardt & Assoc LLP	1,129.07
70053	09/01/2024	Core & Main LP	1,089.15
70167	09/15/2024	ODP Business Solutions LLC	1,065.29
70178	09/15/2024	Rivanna Water & Sewer Authority	1,011.83
70065	09/01/2024	Ferguson US Holdings Inc	983.95
507248806	09/30/2024	VACORP	955.83
507248807	09/25/2024	Energy Earth :LLC	950.00
70128	09/15/2024	Tidewater Communications LLC	937.50
70106	09/01/2024	Traffic Safety Supplies LLC	923.00
70183	09/15/2024	Traffic Safety Supplies LLC	790.00
505997646	09/30/2024	AFLAC	778.32
507248812	09/30/2024	AFLAC	778.32
70177	09/15/2024	Rivanna Solid Waste Authority	755.00
70151	09/15/2024	LB Technology Incorporated	700.00
70051	09/01/2024	Comcast	699.84
70198	09/30/2024	Lendmark Financial Services	696.42
70194	09/12/2024	Lendmark Financial Services	635.69
70157	09/15/2024	Mailing Services of Virginia	617.16

70181	09/15/2024	Macro Retailing LLC	589.96
70039	09/01/2024	Advance Stores Company Inc	548.87
70056	09/01/2024	Crown Communication LLC	546.36
505997643	09/30/2024	ACAC	528.00
507248808	09/30/2024	ACAC	528.00
70163	09/15/2024	Mid-Atlantic Controls Corp	524.20
70149	09/15/2024	Wisconsin Quick Lube Inc	516.57
70094	09/01/2024	PJP Owners Association Incorporated	495.00
70170	09/15/2024	Robert H Pate Jr	479.70
70080	09/01/2024	Mailing Services of Virginia	477.60
70127	09/15/2024	Charles M Boldt	476.66
70073	09/01/2024	Hathaway Solutions LLC	434.23
70126	09/15/2024	MWP Supply Incorporated	426.11
70131	09/15/2024	Column Software PBC	406.69
70172	09/15/2024	Pitney Bowes Inc.	398.37
70098	09/01/2024	Red Wing Business Advantage Account	363.99
70045	09/01/2024	Brink's Incorporated	342.40
70044	09/01/2024	Bailey Printing Incorporated	340.00
70081	09/01/2024	Malloy Chevrolet Charlottesville LLC	324.25
70187	09/15/2024	U. S. Bank	322.18
70111	09/01/2024	Protocol SSD Corporation	295.82
70121	09/15/2024	Advance Stores Company Inc	267.74
70115	09/01/2024	William A Wells	245.00
70086	09/01/2024	ODP Business Solutions LLC	243.48
70043	09/01/2024	Atlantic Emergency	242.50
70152	09/15/2024	L/B Water Service Incorporated	211.74
70077	09/01/2024	Hayley Jones	209.76
70112	09/01/2024	Michael Watson	209.36
70180	09/15/2024	S L Williamson Company Inc	206.32
70143	09/15/2024	Gingerich Outdoor Power Spec	204.32
70175	09/15/2024	Republic Services	200.84
70092	09/01/2024	Parks Edge	200.00
70155	09/15/2024	Megan Long	184.04
70066	09/01/2024	Fisher Auto Parts Incorporated	179.64
70109	09/01/2024	University Tire & Auto	177.45
70048	09/01/2024	Donna Churchman	174.67
70150	09/15/2024	Kaseya US LLC	170.00
70113	09/01/2024	Wee Care & Daycare 4 Kids LLC	158.04
70095	09/01/2024	W & H Resources Incorporated	153.47
70101	09/01/2024	S L Williamson Company Inc	146.03
70154	09/15/2024	Anne Lindemann	143.02
70160	09/15/2024	US Electrical Services Incorporated	140.00
70197	09/30/2024	Herbert Beskin Trustee	135.00
70061	09/01/2024	Libby Edwards-Albaugh	134.22
70040	09/01/2024	American Pest Incorporated	123.78
70122	09/15/2024	American Pest Incorporated	123.78
70074	09/01/2024	Christy Hawkins	120.68

70185	09/15/2024	Troy's Auto & Diesel LLC	117.00
70179	09/15/2024	Riverbend Limited Partnership	115.38
70118	09/01/2024	ODP Business Solutions LLC	107.14
70193	09/15/2024	William A Wells	105.00
70091	09/01/2024	Sean Edwards	100.00
70168	09/15/2024	Deborah Booth	100.00
70165	09/15/2024	Sean Moynahan	98.32
70067	09/01/2024	Flexible Benefit Administrators Inc	98.00
70164	09/15/2024	Vicky Morris	98.00
70089	09/01/2024	Hope Carpenter	94.05
70147	09/15/2024	Kelsey Hassebrock	88.87
70076	09/01/2024	Wisconsin Quick Lube Inc	88.53
70110	09/01/2024	VAMAC Incorporated	83.34
70195	09/30/2024	Anytime Fitness-Pantops	80.00
70200	09/30/2024	Snap Fitness	79.92
70071	09/01/2024	W W Grainger Incorporated	76.78
70083	09/01/2024	Martin Hardware Company Inc	76.07
70072	09/01/2024	Harry A Wright's Incorporated	76.00
70058	09/01/2024	Document Destruction of	69.95
70137	09/15/2024	Fisher Auto Parts Incorporated	65.30
70105	09/01/2024	TSRC Incorporated	61.04
70088	09/01/2024	Edythe Taylor	60.00
70117	09/01/2024	Gingerich Outdoor Power Spec	57.98
70169	09/15/2024	Megan Osbourne	57.90
70099	09/01/2024	Rexel USA Incorporated	57.43
70136	09/15/2024	FedEx	51.93
70158	09/15/2024	Malloy Chevrolet Charlottesville LLC	51.00
70148	09/15/2024	Hydraflo Incorporated	50.00
70138	09/15/2024	Flexible Benefit Administrators Inc	42.35
70134	09/15/2024	Owen Dulaney	39.72
70047	09/01/2024	Central Virginia	38.20
70064	09/01/2024	Kanem Feggans	36.53
70161	09/15/2024	McCarthy Tire Service	35.00
70042	09/01/2024	Appalachian Power	34.19
70087	09/01/2024	Amanda Gibson	30.00
70090	09/01/2024	Kristin Petros de Guex	30.00
70049	09/01/2024	City of Charlottesville	29.16
70142	09/15/2024	Nicholas Garber	27.55
70145	09/15/2024	Greenwood Homes	21.02
70144	09/15/2024	Godfrey Property Management	20.12
70184	09/15/2024	Troy's Auto & Diesel LLC	20.00
70141	09/15/2024	Amy Funkhouser	19.19
70075	09/01/2024	Infrastructure Solutions Group	19.02
70174	09/15/2024	Karen Quillen	19.01
70176	09/15/2024	Rio Associates Limited Partnership	14.42
70129	09/15/2024	City of Charlottesville	11.97
70166	09/15/2024	The New House Company	11.25

70046	09/01/2024	MWP Supply Incorporated	7.64
70070	09/01/2024	Gingerich Outdoor Power Spec	7.16
70078	09/01/2024	Evan King	7.09
70146	09/15/2024	Gulf Seaboard General Contractors Inc	6.88
70182	09/15/2024	Thryv Incorporated	6.50
			4,695,658.92

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

AGENDA TITLE: FY 2025 Capital Improvement Program (CIP) Report STAFF CONTACT(S)/PREPARER: Jeremy M. Lynn, P.E., Director of Engineering	AGENDA DATE: October 17, 2024 CONSENT AGENDA: ACTION: ■ INFORMATION: ■ ATTACHMENTS: YES
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BACKGROUND: Monthly CIP Memo including a status report on active CIP Projects and a list of Active Private Development Projects.

DISCUSSION:

- Questions about the status of active CIP Projects.
- Questions about the status of active Private Development Projects.

BUDGET IMPACT: None.

RECOMMENDATIONS: None.

BOARD ACTION REQUESTED: Approval of the Consent Agenda.

ATTACHMENTS:

- Monthly CIP Report
- List of Active Private Development Projects

Albemarle County Service Authority (ACSA) **Capital Improvement Program Report** **October 2024**

Water System CIP Projects

1. Crozet Phase 4 Water Main Replacement (Account Code 1756):

Consultant:	Michael Baker International, Inc. (Baker)
Project Status:	Construction
Percent Complete:	60%
Contractor:	Valley Contracting, LLC (Valley)
Construction Start:	January 2024
Completion:	September 2025
Total Budget:	\$7,322,350
Spent to Date:	\$4,320,655.90

Project Description: This project continues our systematic program to replace the aging and undersized asbestos-cement and PVC water mains in the Crozet Water System. Roads impacted by water replacement work include Crozet Avenue (Route 240), Rockfish Gap Turnpike (Route 250), Hillsboro Lane, Brownsville Road, and the neighborhood streets in Park View. This is the fourth of five phases that have been defined to carry out these improvements. Project Length = 19,400 LF.

10/8/2024: Valley has completed all the service switchovers along Hillsboro Lane, Brownsville Road and in the Park View subdivision. Final pavement restoration efforts along these streets are underway. The meter vault to Henley Middle School was installed last week. Following installation of the new vault at Brownsville Elementary School, ACSA will coordinate with County Schools to schedule these two switchovers.





2. **Scottsville Phase 4 Water Main Replacement (Account Code 1758):**

Consultant:	Whitman, Requardt & Associates, Inc. (WRA)
Project Status:	Design
Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	2025
Completion:	2027
Total Budget:	\$7,554,900
Spent to Date:	\$519,330.78

Project Description: This project continues our systematic program to replace undersized and deteriorating asbestos-cement and cast-iron water mains throughout our water distribution system. Roads impacted by water replacement work include James River Road, Warren Street, Hardware Street, Moores Hill, and the downtown streets of Page, Bird, and West Main. This project requires extensive coordination with the Rivanna Water and Sewer Authority (RWSA) as it includes the replacement of their asbestos-cement water main along James River Road. Project Length = 13,700 LF.

10/8/2024: ACSA and WRA are considering design options that may exist to minimize potential impact to a retaining wall at the intersection of Valley Street and Warren Street. Easement acquisition efforts continue, with two additional easements having been acquired, bringing out total to four.

3. **Ragged Mountain Phase 1 Water Main Replacement (Account Code 1760):**

Consultants:	Dewberry Engineers, Inc. (Dewberry) and Kimley-Horn and Associates (KHA)
Project Status:	Design

Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	Undetermined
Completion:	Undetermined
Total Budget:	\$2,436,400
Spent to Date:	\$190,017.14

Project Description: This project will replace the oldest active water main remaining in our system serving residents along Fontaine Avenue Extended and Reservoir Road. This cast iron pipe is over 90 years old and is severely tuberculated, which significantly reduces the flow capacity in this section. Project Length = 1,800 LF.

10/8/2024: Two bids for RWSA's Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Main and Raw Water Pump Station Project were received on October 1, 2024. With both bids higher than the project budget, RWSA staff is evaluating their options.

4. Northfields Water Main Replacement (Account Code 1764):

Consultant:	OBG, A Ramboll Company (Ramboll)
Project Status:	Design
Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	2026
Completion:	2027
Total Budget:	\$7,530,000 Water and \$820,000 Sewer
Spent to Date:	\$454,672.62

Project Description: This project continues our systematic program to replace the aging and undersized asbestos-cement water mains in our system. The existing water mains are approximately 55 years old and have reached the end of their useful life. As a former well system that was connected to public water, most of the mains are also undersized. During design of the Northfields Water Main Replacement Project, ACSA staff identified several sections of sanitary sewer that could be installed along the roadway in coordination with the water main replacement work. These efforts will provide sanitary sewer service to nearly 20 existing neighborhood properties currently served by private septic fields. Project Length = 22,000 LF.

9/10/2024: Submission of the draft easement plats has been delayed, but Ramboll is pushing to get back on track. Comments on the 90% Design Documents have been addressed by Ramboll and they are going through their internal QA/QC/Constructability reviews ahead of submitting the 100% Design Documents.

5. Huntington Village Water Connection (Account Code 1770):

Consultant:	ACSA Engineering Department
Project Status:	Construction
Percent Complete:	0%
Contractor:	Rocktown Excavating (Rocktown)

Construction Start:	2024
Completion:	2025
Total Budget:	\$60,700
Spent to Date:	\$2,012

Project Description: The existing water main that serves as the only feed into Huntington Village off Old Ivy Road is at risk of failure due to an existing rock retaining wall that was constructed overtop of the water main. This project provides a second water connection into Huntington Village which is comprised of approximately 135 residential customers.

10/8/2024: A Change Order has been executed with Rocktown for designing the Maintenance of Traffic (MOT) plan required by VDOT. A construction schedule will be established once the VDOT Land Use Permit has been issued.

6. Briarwood Water Main Replacement (Account Code 1766):

Consultant:	OBG, A Ramboll Company (Ramboll)
Project Status:	Design
Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	2025
Completion:	2026
Total Budget:	\$2,730,000
Spent to Date:	\$215,752.19

Project Description: This project continues our systematic program to replace PVC water mains that have been in service since the early 1980's and have recently experienced several breaks causing water service disruptions. Project Length = 5,700 LF.

10/8/2024: Easement acquisition efforts continue, and three of the four required easements have been obtained. The fourth property owner has verbally agreed to the easement and ACSA staff is working with Ramboll to update the easement plat. A public information meeting is scheduled for the evening of October 10, 2024, at the North Fork Research Park to share information on the project with the neighborhood.

7. Barracks West Water Main Replacement (Account Code 1769):

Consultant:	Dewberry Engineers, Inc. (Dewberry)
Project Status:	Design
Percent Complete:	95%
Contractor:	Undetermined
Construction Start:	2025
Completion:	2025
Total Budget:	\$3,402,500
Spent to Date:	\$219,131.50

Project Description: This project will replace the undersized and aging cast iron and galvanized water mains that were installed in the late 1960's. These water mains are original to the Old Salem Apartments development, now called Barracks West. This project follows our Strategic Plan goal to replace aging and undersized water mains throughout our system and will provide for an opportunity to improve fire protection to these multi-family apartments. Project Length = 4,300 LF.

9/10/2024: The potential sale of the property did not occur as anticipated, so ACSA staff have reengaged with the current owner to obtain the necessary easements.

8. Townwood Water Main Replacement (Account Code 1773):

Consultant:	Dewberry Engineers, Inc. (Dewberry)
Project Status:	Design
Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	2026
Completion:	2026
Total Budget:	\$2,800,000
Spent to Date:	\$160,017

Project Description: This project continues our systematic program to replace PVC water mains that have been in service since the early 1980's and have recently experienced several breaks causing water service disruptions. Project Length = 3,000 LF.

10/8/2024: Comments on the 90% Design Documents have been returned to Dewberry.

9. Broadway Street Water Main Replacement (Account Code 1768):

Consultant:	Whitman, Requardt & Associates, Inc. (WRA)
Project Status:	Construction
Percent Complete:	0%
Contractor:	Undetermined
Construction Start:	2024
Completion:	2025
Total Budget:	\$1,667,800
Spent to Date:	\$139,183.97

Project Description: This project will replace the ductile iron water main that was installed in the early 1970's and has been found to be in deteriorating condition based on recent excavations. With the redevelopment of the Woolen Mills Factory and Albemarle County's increased attention on economic revitalization of this corridor, replacement of this water main is crucial in transforming this area. Project Length = 1,500 LF.

10/8/2024: Bid opening for the Broadway Street Water Main Replacement Project was conducted on September 26, 2024, with four bids received. Below is a summary of the bid results. At the time of the bid opening, the apparent low bidder was Digs, Inc. However, during WRA's evaluation of the

bids, it was determined their bid contained mathematical errors and was completed incorrectly. WRA has completed their evaluation and recommended the ACSA award the contract to Commonwealth Excavating, Inc. for their bid amount of \$1,083,934.94. The Notice of Intent to Award will be posted on the ACSA website.

Contractor	Bid Amount
Commonwealth Excavating, Inc.	\$1,083,934.94
Atkins Excavating, Inc.	\$1,389,752.00
Valley Contracting, LLC	\$1,578,726.47
Digs, Inc.	\$1,601,681,405.00

10. Raintree and Fieldbrook Water Main Replacement (Account Code 1771):

Consultant: Michael Baker International, Inc. (Baker)
 Project Status: Design
 Percent Complete: 50%
 Contractor: Undetermined
 Construction Start: 2027
 Completion: 2028
 Total Budget: \$6,432,300
 Spent to Date: \$164,203.74

Project Description: This project continues our systematic program to replace the PVC water mains in the Raintree and Fieldbrook subdivisions that have been in service since the early 1980's. In addition to replacing these PVC mains, this project will also eliminate pipe saddles at the water service connections that have been failing due to corrosion. Project Length = 12,000 LF.

9/10/2024: Field survey efforts of the additional sections (Snowden Drive, Surry Hill Court and a portion of Old Brook Road) added to the project have been completed and Baker is working on updating the design documents.

11. Exclusion Meters Replacement (Account Code 1759):

Consultant: ACSA Engineering Department
 Project Status: Construction
 Percent Complete: 61%
 Contractor: ACSA and Irrigation Contractors
 Construction Start: September 2019
 Completion: 2025
 Total Budget: \$527,500
 Spent to Date: \$325,412.88

Project Description: In the mid 1990's with the development of Glenmore, many new customers installed irrigation systems for their properties and wanted to have their sewer bills reduced by the amount of water that was diverted to irrigate their properties. Private meters were installed behind their ACSA meter to record this volume, and it was "excluded" from the calculation of their sewer charges, and

these became known as exclusion meters. On January 1, 2006, the ACSA Rules and Regulations were modified to no longer allow private exclusion meters and required all future irrigation meters be tapped separately off our water mains. This project is a multi-year replacement program by our in-house CIP Crew to install dedicated, ACSA owned irrigation meters that will eliminate all remaining exclusion meters in our system.

10/8/2024: ACSA staff continues to work closely with several irrigation contractors to upgrade private exclusion meters to be compatible with our AMI system with the ACSA covering these costs. ACSA Maintenance has recently completed several switchovers as well. There are currently 195 private irrigation exclusion meters remaining in our system.

Sewer System CIP Projects

12. Madison Park Pump Station Upgrade (Account Code 1735):

Consultant:	Whitman, Requardt & Associates, Inc. (WRA)
Project Status:	Construction
Percent Complete:	70%
Contractor:	Anderson Construction, Inc. (ACI)
Construction Start:	October 2022
Completion:	November 2024
Total Budget:	\$1,940,000
Spent to Date:	\$1,360,827.20

Project Description: This wastewater pump station was constructed in the early 1980's by private development and the original equipment is nearing the end of its useful life. Additionally, the building is undersized creating difficulty in performing routine maintenance and making it impossible to install the control panels necessary to include this pump station in our new SCADA System.

10/8/2024: Mechanical piping inside the station has been installed and all electrical has been roughed in. ACI is coordinating with Dominion Energy to reestablish permanent power service.



13. Airport Trunk Sewer Upgrade (Account Code 1828):

Consultant:	Michael Baker International, Inc. (Baker)
Project Status:	Design
Percent Complete:	90%
Contractor:	Undetermined
Construction Start:	2026
Completion:	2028
Total Budget:	\$6,683,800
Spent to Date:	\$357,131.57

Project Description: With the continued growth in the Hollymead Town Center area, the existing sewer collector serving the airport and the area west of Route 29 has insufficient capacity to handle full build-out. The existing sewer was originally sized to serve the light industrial zoning designated for that area at the time of construction. The increased density specified in the County Comprehensive Plan for the same drainage basin will exceed the capacity of the existing sewer. A study of the drainage basin was completed in 2016 with the recommendation the sewer main be increased in size by replacing it in place. Project Length = 6,900 LF.

10/8/2024: Six updated easement offers have been sent out to property owners, three of which are new owners since our initial communications. To date, 9 of 24 easements having been obtained.

14. Buckingham Circle Sewer (Account Code 1802):

Consultant:	Dewberry Engineers, Inc. (Dewberry)
Project Status:	Design
Percent Complete:	0%
Contractor:	Undetermined
Construction Start:	2028
Completion:	2029
Total Budget:	\$2,175,000
Spent to Date:	\$0

Project Description: Over the past few years, numerous residents of the Buckingham Circle Subdivision have contacted the ACSA expressing interest in connecting to public sanitary sewer service. To gauge community interest for such a project, ACSA staff mailed out a survey to the residents seeking feedback on their interest. Based on initial feedback received, more than 70% of the property owners have expressed interest in connecting to public sewer if it was made available.

9/10/2024: Dewberry has requested drainfield records from the Blue Ridge Health District and has been in communication with the County Building Official regarding the required pipe slopes of the private sanitary sewer laterals. Dewberry anticipates submitting their evaluation of the gravity design changes before the end of October 2024.

15. Bellair – Liberty Hills Sewer (Account Code 1829):

Consultant:	Michael Baker International, Inc. (Baker)
Project Status:	Design
Percent Complete:	50%
Contractor:	Undetermined
Construction Start:	2025
Completion:	2026
Total Budget:	\$6,893,715
Spent to Date:	\$281,122.56

Project Description: Over the past several years, there has been an uptick in residents of the Bellair Subdivision seeking to connect to public sanitary sewer service since most residents are currently served by private septic fields. To gauge community interest for such a project, ACSA staff mailed out a survey to the residents seeking feedback on their interest. Based on initial feedback received, many of the property owners are interested in connecting to public sewer if it was made available.

10/8/2024: Comments on the revised 50% Design Documents have been returned to Baker.

16. FY 2025 Miscellaneous Sewer Rehabilitation (Account Code 1909):

Consultant:	OBG, A Ramboll Company (Ramboll)
Project Status:	Construction
Percent Complete:	Underway
Contractor:	Prism Contractors & Engineers, Inc. (Prism)
Construction Start:	June 2024
Completion:	June 2025
Total Budget:	\$500,000
Spent to Date:	\$0

Project Description: This project continues our annual “find and fix” program of sanitary sewer rehabilitation to reduce I&I in our system.

10/8/2024: Work Order No. 2 has been issued to Prism and includes one pipe patch in Forest Lakes South, rehabilitation of one manhole in Willoughby and rehabilitation of three manholes in Crozet.

Non-Utility and Facility CIP Projects**17. Energy Audit (Account Code 1625):**

Consultant:	OBG, A Ramboll Company (Ramboll)
Project Status:	Construction
Percent Complete:	40%
Contractor:	ACSA Facilities Group
Construction Start:	July 2023
Completion:	March 2025

Total Budget:	\$390,000
Spent to Date:	\$285,038.30

Project Description: This project consists of a comprehensive energy audit of the Operations Center and all pump stations. The Energy Audit evaluated current energy consumption and the factors that drove it, as well as analysis of our utility rate structures to identify potential cost savings. Surveys were conducted of all systems, including operation and maintenance procedures to determine where energy conservation could be improved. Recommendations from the Energy Audit included: LED Lighting Retrofit, Occupancy Based HVAC Controls, replacement of Domestic Water Heater, improved efficiencies of water and wastewater pumps, pursuit of Electric Fleet Vehicles (EV) and exploration of Solar Photovoltaic renewable energy.

9/10/2024: The Facilities Group is working on the pad for the transformer at the corner of the parking lot.

18. Avon Operations Center (Account Code 1622):

Consultant:	Dewberry Engineers, Inc. (Dewberry)
Project Status:	Construction
Percent Complete:	0%
Contractor:	Daniel & Company, Inc. (DCI)
Construction Start:	2024
Completion:	2025
Total Budget:	\$18,000,000
Spent to Date:	\$770,845.68

Project Description: As part of the Operations Center Expansion Study our consultant reviewed all properties owned by the ACSA that could be utilized as we continue to grow. The Avon Street property has long been held as a future location to build additional facilities in a central location, as needed. The current Maintenance Yard at our Operations Center is becoming overcrowded with equipment and materials, causing us to locate some equipment and larger materials in the former ACSA Maintenance Yard at the Crozet Water Treatment Plant, which we lease from RWSA. The future expansion of granular activated carbon (GAC) at the Crozet Water Treatment Plant site will result in the loss of much of the ACSA's storage space at that site. This project will begin to develop the Avon Street property into a much larger vehicle and materials storage facility, including a training area for our equipment operators.

10/8/2024: DCI has returned the executed contract and bonds, both of which are under ACSA legal review. A "meet and greet" with the project team is scheduled for October 11, 2024, at the DCI office in Richmond. The final WPO plans for this project were submitted to the County last week.

19. ACSA – Fire Suppression System Replacement (Account Code 1631):

Contractor:	Fire-X Corporation (Fire-X)
Project Status:	Construction
Percent Complete:	98%

Construction Start:	March 2024
Completion:	September 2024
Total Budget:	\$750,000
Spent to Date:	\$885,345.65

Project Description: This project replaces the existing fire suppression system in both the Administration and Maintenance buildings here at our Operations Center. During a recent inspection, it was noted that the piping is beyond its useful life and a complete replacement was recommended. The ACSA anticipates utilizing a Design/Build Contract to perform this work.

10/8/2024: Fire-X will be onsite the week of October 14, 2024, to complete the remaining sprinkler head installations in the warehouse.

Albemarle County Service Authority (ACSA)
Active Private Development Projects
October 2024

1. 664 West Rio Road (Rio): Water main extension to serve an 88-unit apartment building, as well as a self-storage facility. This site is located east of the intersection of West Rio Road and Berkmar Drive, across from the Daily Progress.
2. Belvedere Phase 3 Block 10 (Rio): Water and sewer main extensions to serve 74 single family homes at the end of Farrow Drive in the back of Belvedere.
3. Berkmar Self-Storage/Hotel (Rio): Water main extension and sewer laterals to serve 92-room hotel and commercial self-storage, located along Berkmar Drive across from Berkmar Overlook and next to Better Living.
4. Brookhill Blocks 16 & 17 (Rivanna): Water and sewer main extensions to serve 135 single family homes in the Brookhill subdivision, located north of Polo Grounds Road and west of the Montgomery Ridge Subdivision.
5. Brookhill Block 18 (Rivanna): Water and sewer main extensions to serve 194 single family homes in the Brookhill subdivision, located along the eastern side of Halsey Avenue and north of the Montgomery Ridge Subdivision.
6. C'Ville Rio Road Apartments (Rio): Water and sewer main extensions to serve 250 apartment units. The site is located along Rio Road West, north of Charlottesville Health and Rehab.
7. Discount Tire (Rio): Water main extension for new hydrant and large meter service for a new commercial building. The site is located at the former Wendy's on the ON ramp to Route 29 South from Rio Road West.
8. Dunlora Park Phase 2 (Rio): Water and sewer main extensions to serve 9 single family attached homes in Dunlora Park, located at the intersection of Rio Road East and Dunlora Drive.
9. Dunlora Village Phase 1 (Rio): Water and sewer main extensions to serve 64 single family homes. This site is located off the southern ends of Fowler Street and Miranda Crossing behind Belvedere.
10. Mountain View Elementary Building Addition (Scottsville): Water main extension to facilitate school expansion.

- 11. Rio Point (Rio): Water and sewer main extensions to serve 328 multi-family units. This project is located at the intersection of Rio Road East and John Warner Parkway.**
- 12. Rivanna Village Phase 2 (Scottsville): Water and sewer main extensions to serve 178 residential units. This project is located east of the Glenmore Ground Storage Tank and Rivanna Village Phase 1.**
- 13. Sentara Martha Jefferson Hospital Early Learning Center (Scottsville): Water main extension to serve a nearly 13,000 square foot childcare facility at the intersection of Martha Jefferson Drive and Worrell Drive.**
- 14. Southwood Village – Blocks 11 & 12 (Scottsville): Water main extension and sewer laterals to serve 194 multi-family units. This project is located at the intersection of Old Lynchburg Road and Hickory Street.**
- 15. Southwood Redevelopment Village 3 (Scottsville): Water and sewer main extensions to serve 127 single family units and 10 condominium units. This project is located along the eastern side of Horizon Road, south of Hickory Street.**
- 16. UVA Fontaine Research Park – Manning Institute of Biotechnology (Samuel Miller): Water main relocation to serve the approx. 350,000 square foot Manning Institute of Biotechnology. The site is in the existing parking lot, northeast of 450 Ray C Hunt Drive.**
- 17. Woolen Mills Light Industrial (Scottsville): Water and sewer main extensions to serve multiple industrial buildings, totaling 117,000 square feet. The site is located at the corner of Moores Creek Lane and Franklin Street.**

ALBEMARLE COUNTY SERVICE AUTHORITY

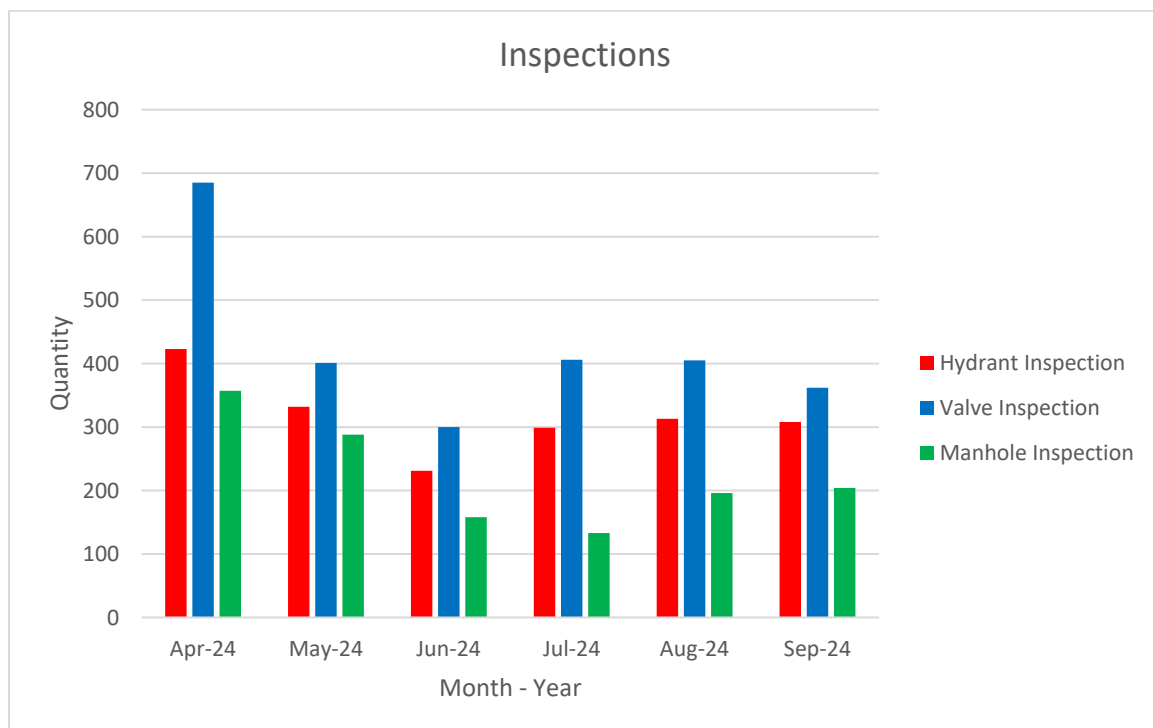
AGENDA ITEM EXECUTIVE SUMMARY

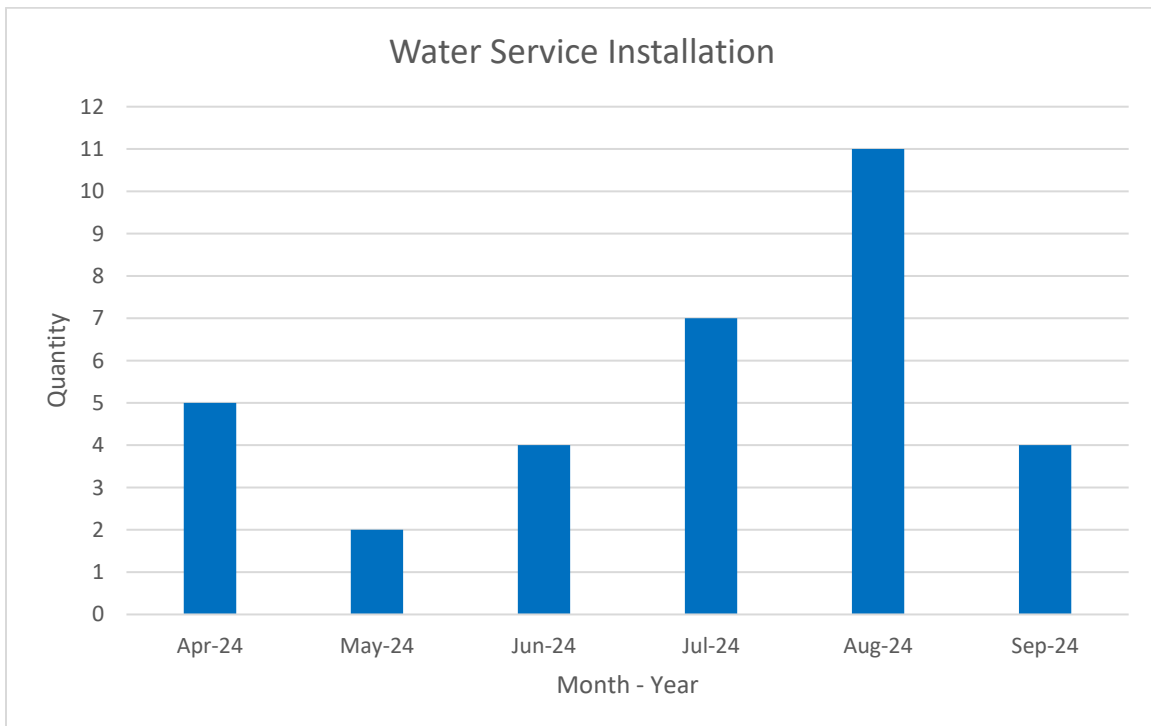
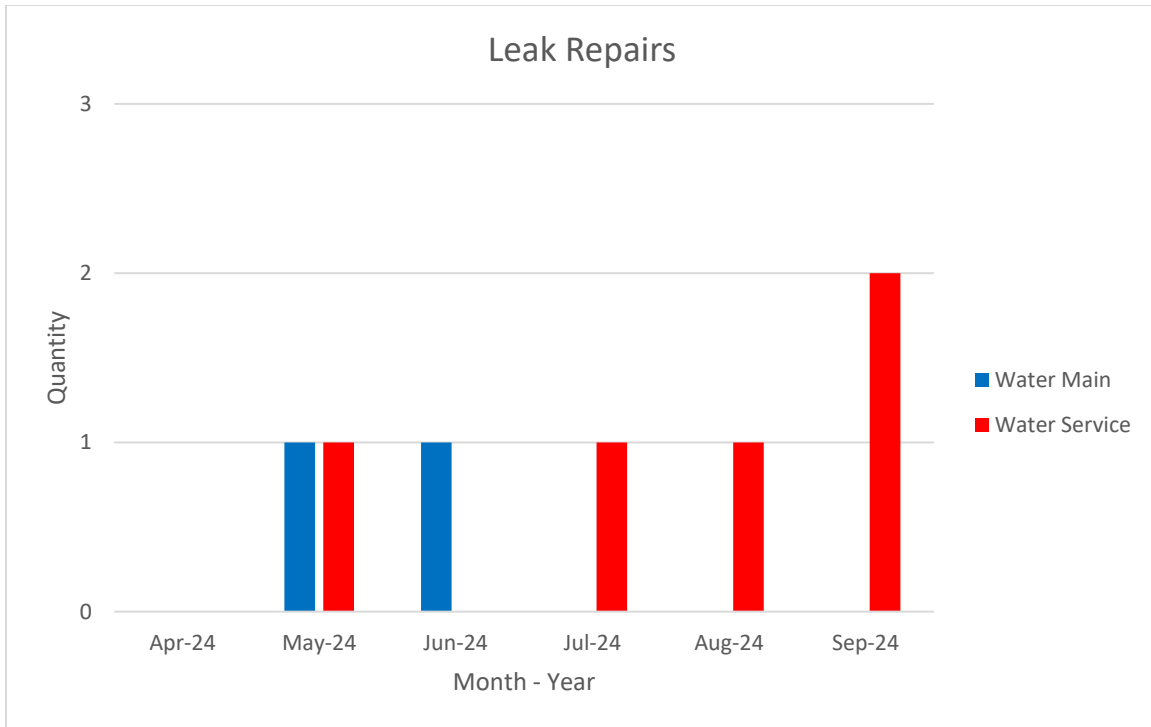
AGENDA TITLE: FY 2025 Monthly Maintenance Update Report STAFF CONTACT(S)/PREPARER: Alexander J. Morrison, P.E., Director of Operations	AGENDA DATE: October 17, 2024 CONSENT AGENDA: ACTION: ■ INFORMATION: ■ ATTACHMENTS: YES
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BACKGROUND:

Current total years of service in the Maintenance Department: 329.3 years
 Current average years of service in the Maintenance Department: 9.7 years
 Current number of employees in the Maintenance Department: 34

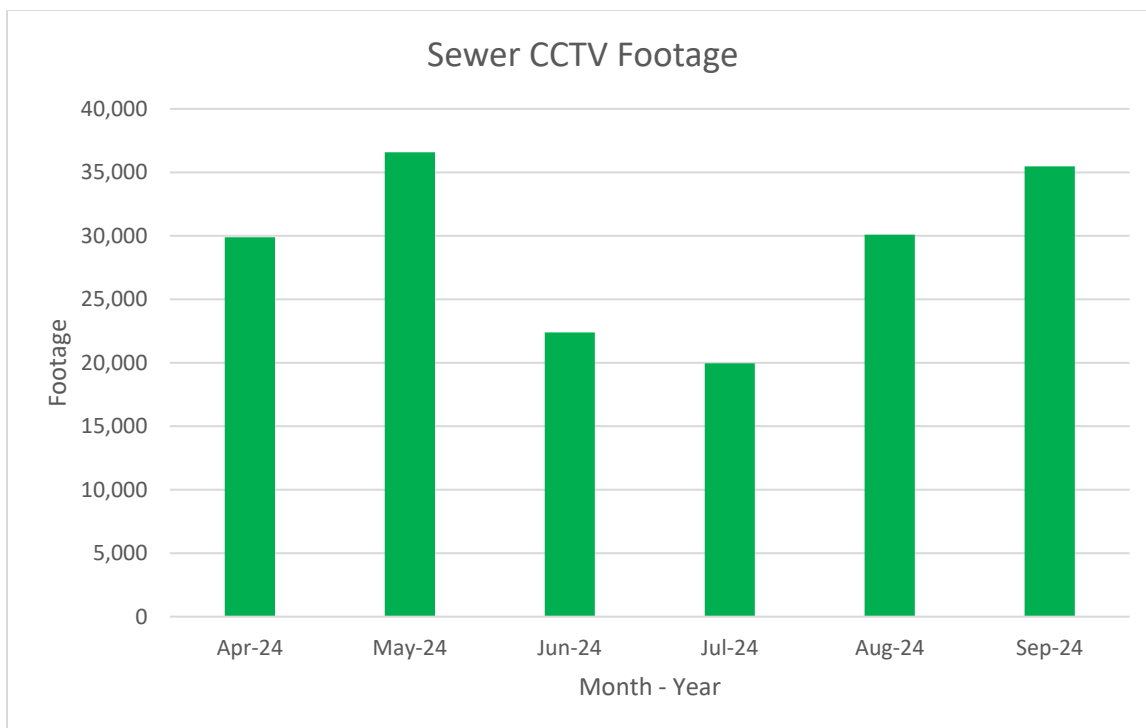
Below are 4 graphs depicting various routine monthly Maintenance Department activities for the previous 6-month period, based on completed Cityworks work orders and inspections.



ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

ALBEMARLE COUNTY SERVICE AUTHORITY

AGENDA ITEM EXECUTIVE SUMMARY



DISCUSSION:

- Routine Monthly Maintenance Activities
 - Inspections: Monthly inspections have remained steady throughout the summer months, into September. Inspection numbers during these months are consistent with staff availability due to vacations and training activities as well as favorable weather.
 - Leak Repairs: The ACSA had two (2) water service line repairs in September. One (1) repair was in Shepherds Ridge and was caused by a pinhole leak. The second repair was on Worth Crossing due to a leak at a flared connection on the copper service line.
 - Water Service Installation: New water service installations decreased in September as we moved past the peak of new irrigation system installation for the season.
 - Sewer CCTV Footage: The monthly footage of sanitary sewer undergoing CCTV inspection increased in September due to favorable weather, along with high staff and equipment availability.

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

- **Miscellaneous Maintenance Activities**
 - **Electrofusion Machine:** We have recently purchased a FRIAMAT electrofusion machine (see Attachment 1) to enhance our ability to conduct repairs on HDPE pipes within our water distribution and sewer collection systems. This machine offers a low-cost and highly effective solution for making quick, on-site repairs in excavation areas. It can be used on both potable water mains and sewer force mains, with no risk of cross-contamination and without the need for additional equipment. The FRIAMAT electrofusion machine provides a cost-efficient method to ensure timely and reliable repairs on HDPE infrastructure within our utility system.

BUDGET IMPACT: None.

RECOMMENDATIONS: None.

BOARD ACTION REQUESTED: Approval of the Consent Agenda.

ATTACHMENTS:

1. Picture: FRIAMAT Electrofusion Machine

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

Attachment 1: FRIAMAT Electrofusion Machine

AGENDA ITEM EXECUTIVE SUMMARY

AGENDA TITLE: Rivanna Water & Sewer Authority (RWSA) Monthly Update	AGENDA DATE: October 17, 2024
STAFF CONTACT(S)/PREPARER: Quin Lunsford, Executive Director	CONSENT AGENDA: Informational
	ATTACHMENTS: No

BACKGROUND: This report continues the monthly updates on the Rivanna Water & Sewer Authority (RWSA) projects and Board meetings. Below are some updates on RWSA major projects and issues, including updates from the September 24th RWSA Board Meeting and other communications:

- **Corrosion Control Adjustment in the Urban Water System:** The ACSA and RWSA having been working closely together investigating sediment issues in the hot water systems of a number of homes in the urban drinking water system, especially in the Glenmore and Farmington neighborhoods. After extensive laboratory analysis, RWSA made a small adjustment in the level of the corrosion control product used for water treatment to eliminate the formation of the sediment. The corrosion control product prevents metals from pipes and plumbing fixtures from leaching into the drinking water. The Virginia Department of Health approved the change and adjustments were made in early September. Water quality monitoring will be conducted in the urban system for any unintended impacts and ACSA staff will be working with customers that had previously been impacted to confirm improvement in water quality.
- **Summary:**

RWSA Major Project Schedule	Construction Start Date	Construction Completion Date
-MC 5kV Electrical System Upgrades	May 2022	June 2025
-Rivanna Pump Station Restoration	July 2024	May 2025
-Red Hill Water Treatment Plant Upgrades	October 2024	March 2026
-South Fork Rivanna River Crossing	January 2025	January 2027
-RMR to OBWTP Raw Water Line and Pump Station	January 2025	June 2029
-MC Building Upfits and Gravity Thickener Improvements	February 2025	December 2026
-MC Structural and Concrete Rehabilitation	February 2025	May 2027
-Crozet Pump Stations Rehabilitation	April 2025	January 2027

AGENDA ITEM EXECUTIVE SUMMARY

-MC Administration Building Renovation and Addition	June 2025	December 2027
-Central Water Line	May 2025	March 2029
-Crozet WTP GAC Expansion – Phase I	August 2025	March 2027
SRWTP – PAC Upgrades	August 2025	December 2026
-RMR Pool Raise	September 2025	September 2026
-SFRR to RMR Pipeline, Intake, and Facilities	February 2026	December 2030
-Beaver Creek Dam, Pump Station, and Piping	May 2026	January 2030
-Upper Schenks Branch Interceptor, Phase II	TBD	TBD
-MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades	June 2025	September 2026

- **MCAWRRF 5kV Electrical System Upgrades**

Design Engineer:	Hazen and Sawyer (Hazen)
Construction Contractor:	Pyramid Electrical Contractors
Construction Start:	May 2022
Percent Complete:	70%
Completion Date:	June 2025
Budget:	\$5,635,000

Current Status:

The fourth (of 5) motor control center replacements has been completed along with 5kV cable and transformer replacement to the Holding Pond and Maintenance areas. The Contractor has also fully repaired both Primary Clarifiers, which were damaged in May due to faulty wiring and equipment startup. Due to excessive equipment lead times and unforeseen underground conditions within the project, the completion date has been extended to June 2025.

History:

Through review of the Moores Creek Facilities Master Plan, several areas of the MCAWRRF, including the Blower Building, Sludge Pumping Building, Grit Removal

AGENDA ITEM EXECUTIVE SUMMARY

Building, Moores Creek Pumping Station, and the Administration Building are currently connected to the original 5kV switchgear, transformers, and motor control centers (MCCs) which have a useful life expectancy of 20-30 years. The equipment has exceeded the expected useful life and replacement of the original 1980s-vintage 5kV cables, switchgear, transformers, and MCCs will be completed.

- **Rivanna Pump Station Restoration**

Design Engineer:	Hazen/SEH
Construction Contractor:	MEB
Project Start:	July 2024
Project Status:	Design & Material Acquisition
Completion:	May 2025
Budget:	\$22,000,000

Current Status:

Electrical demolition work has begun. Contractor continues to order equipment/materials for replacement as design decisions are finalized. Rebuilt pumps will be installed and bypass pumping system removed by March 2025 with full restoration completed by May 2025.

History:

The Rivanna Pump Station, which is located at the Moores Creek Advanced Water Resource Recovery Facility, was damaged on January 9th due to high rain and flooding of equipment at the facility. This facility pumps between 5 and 50 million gallons of wastewater daily and is the largest pump station in the wastewater system. Restoration is needed to restore the facility to normal operations and remove the bypassing system that was installed in February 2024.

- **Red Hill Water Treatment Plant Upgrades**

Design Engineer:	Short Elliot Hendrickson (SEH)
Construction Contractor:	Anderson Construction (Lynchburg)
Construction Start:	October 2024
Percent Complete:	0%
Completion:	March 2026
Budget:	\$2,050,000

Current Status:

Work on-site will begin in October. This project received partial grant funding from Albemarle County.

AGENDA ITEM EXECUTIVE SUMMARYHistory:

The Red Hill Water Treatment Plant was constructed in a joint effort of the ACSA and RWSA in 2009 and consists of a well, pneumatic tank and pump house that provides treated water to the Red Hill Elementary School and adjoining neighborhood. The current building is beyond its physical capacity and this project serves to expand the building and improve the configuration of the process and laboratory needs of the WTP.

- **South Fork Rivanna River Crossing**

Design Engineer:	Michael Baker International (Baker)
Construction Contractor:	Faulconer
Construction Start:	January 2025
Percent Complete:	0%
Completion:	January 2027
Budget:	\$7,300,000

Current Status:

Construction bids were received on September 12, 2024. A report was included in the RWSA Board packet recommending award.

History:

RWSA has previously identified through master planning that a 24-inch water main will be needed from the South Rivanna Water Treatment Plant (SRWTP) to Hollymead Town Center to meet future water demands. Two segments of this water main were constructed as part of the VDOT Rt. 29 Solutions projects, including approximately 10,000 LF of 24-inch water main along Rt. 29 and 600 LF of 24-inch water main along the new Berkmar Drive Extension, behind the Kohl's department store. To complete the connection between the SRWTP and the new 24-inch water main in Rt. 29, there is a need to construct a new river crossing at the South Fork Rivanna River. Acquisition of right-of-way will be required at the river crossing.

- **Ragged Mountain Reservoir to Observatory Water Treatment Plant Raw Water Line and Raw Water Pump Station**

Design Engineer:	Kimley-Horn
Project Start:	August 2018
Project Status:	Bidding
Construction Start:	January 2025
Completion:	June 2029
Current Project Estimate:	\$45,850,000

AGENDA ITEM EXECUTIVE SUMMARYCurrent Status:

Construction bids were opened on October 1, 2024. RWSA staff anticipates bringing a recommendation for award to next month's Board of Directors Meeting.

History:

Raw water is currently transferred from the Ragged Mountain Reservoir (RMR) to the Observatory Water Treatment Plant by way of two 18-inch cast iron raw water lines, which have been in service for more than 110 and 70 years, respectively. The proposed water line will be able to reliably transfer water to the expanded Observatory Plant, which, upon completion, will have the capacity to treat 10 mgd. The new single water line will be constructed of 36-inch ductile iron and will be approximately 14,000 feet in length.

The RMR to Observatory WTP raw water pump station will replace the existing Stadium Road and Royal Pump Stations, which have exceeded their design lives. The pump station will pump up to 10 mgd of raw water to the Observatory WTP. Integration of the new pump station with the planned South Rivanna Reservoir (SRR) to RMR Pipeline is being planned in the interest of improved operational and cost efficiencies and emergency redundancy. An integrated pump station would also include the capacity to transfer up to 16 mgd of raw water from RMR back to the SRR WTP.

- **MCAWRRF Building Upfits and Gravity Thickener Improvements**

Design Engineer:	Short Elliott Hendrickson (SEH)
Project Start:	March 2023
Project Status:	75% design
Construction Start:	February 2025
Completion:	December 2026
Current Project Estimate:	\$7,500,000

Current Status:

90% design documents were to be completed in September.

History:

This project addresses the renovation needs of the current maintenance and operations building space requirements, improvements to the existing gravity thickener system, and installation of actuators on the secondary clarifier influent gate valves.

AGENDA ITEM EXECUTIVE SUMMARY

- **MCAWRRF Structural and Concrete Rehabilitation**

Design Engineer:	Hazen and Sawyer (Hazen)
Project Start:	April 2023
Project Status:	100% design
Construction Start:	February 2025
Completion:	May 2027
Current Project Estimate:	\$11,300,000

Current Status:

100% design documents are being completed. Brick removal occurred at select locations on digesters 1, 2 and 3 and smoke testing is anticipated to occur in September to further evaluate their condition.

History:

This project comprises rehabilitation, repair and installation of multiple structural components throughout the MCAWRRF facility, to include concrete repairs in both the equalization basin and holding ponds, and rehabilitation to other components of the system.

- **Crozet Pump Stations Rehabilitation**

Design Engineer:	Wiley Wilson
Project Start:	July 2023
Project Status:	100% Design Construction
Start:	April 2025
Completion:	September 2027
Budget:	\$10,950,000

Current Status:

100% design documents are being completed. The project will be advertised for construction bids in October.

History:

The Crozet pump stations were originally constructed in the 1980's with many of the original components still being utilized. This project includes replacement of pumps, valves, roof replacements, siding replacements, installation of new wells, new electrical motor control centers, generators, and power transfer switches.

AGENDA ITEM EXECUTIVE SUMMARY

- **Moores Creek Administration Building Renovation and Addition**

Design Engineer:	SEH
Project Start:	October 2022
Project Status:	75% Design
Construction Start:	June 2025
Completion:	December 2027
Budget:	\$25,000,000

Current Status:

90% design is underway. Selections have been made by the furnishings & finishes committee for color palettes on interior elements. Revised exterior and interior renderings submissions are anticipated by the end of September. Exhibit designers are finalizing schedule and meetings for the detailed design process.

History:

Through the MCAWRRF Master Plan, a need to house additional staff, increase office and meeting space; plan for replacement of the engineering trailers; bring the IT server workrooms to modern standards; and provide classroom space for education outreach. The expansion of the building will take place in the lower parking lot adjacent to the existing building.

- **Central Water Line Project**

Design Engineer:	Michael Baker International (Baker)
Project Start:	July 2021
Project Status:	90% Design
Construction Start:	May 2025
Completion:	March 2029
Budget:	\$47,000,000

Current Status:

The acquisition process continues for two private easements and a third easement with UVA along Hereford Drive. Redesign efforts in the E. High Street area are in process and survey work has begun. An additional private easement will be required with the redesign as well as new easements on two City parcels. The project will be split into two bidding contracts so that the west side of the work can begin next spring while the east side of the project is being redesigned.

History:

The hydraulic connectivity in the Urban System is less than desired, creating operational challenges and reduced system flexibility and redundancy. Recent efforts

AGENDA ITEM EXECUTIVE SUMMARY

and modeling for the Urban Finished Water Infrastructure Master Plan have determined that a central water line corridor through the city is the best option to hydraulically connect the Observatory Water Treatment Plant to the Urban service area, including the ACSA water service area.

This proposed new Central Water Line builds on the ACSA investments in additional water supply at Ragged Mountain and at the newly expanded Observatory Water Treatment Plant. This new line will allow a connection from the water plant to the urban water service areas of the ACSA.

- **Crozet GAC Expansion – Phase I**

Design Engineer:	SEH
Project Start:	July 2023
Project Status:	60% Design
Construction Start:	August 2025
Completion:	March 2027
Budget:	\$6,550,000

Current Status:

60% design was to be completed in September. \$6.24 million in grant funds from VDH have been awarded for this project.

History:

In order to enhance the RWSA's resiliency and commitment to long term finished water quality, the Authority has committed to expanding the GAC capacity at the Crozet WTP to match the current plant capacity. This project includes expansion of the existing GAC building, additional GAC vessels, pumps, piping, and electrical components.

- **South Rivanna Water Treatment Plant – PAC Upgrades**

Design Engineer:	SEH
Project Start:	November 2023
Project Status:	95% design
Construction Start:	August 2025
Completion:	December 2026
Current Project Estimate:	\$1,100,000

Current Status:

The project is progressing to 100% design. RWSA applied for a Congressionally Directed Spending grant from Senators Kaine and Warner for this project in the amount of \$880,000 and have received approval of the grant by the Senate

AGENDA ITEM EXECUTIVE SUMMARY

committee. Final grant approval will occur upon approval of the federal budget by Congress and the President.

- **Ragged Mountain Reservoir Pool Raise**

Design Engineer:	Schnabel
Project Start:	April 2024
Project Status:	25% design
Construction Start:	September 2025
Completion:	September 2026
Current Project Estimate:	\$5,000,000

Current Status:

Geotechnical investigation of the dam has been completed with a report to follow next month.

- **South Rivanna Reservoir to Ragged Mountain Reservoir Pipeline, Intake and Facilities**

Design Engineer:	Kimley Horn/SEH/Schnabel
Project Start:	July 2023
Design Status:	45%
Construction Start:	February 2026
Completion:	December 2030
Current Project Estimate:	\$79,000,000

Current Status:

The Design Engineer continues to work on both the new reservoir intake and the pipe between SFRR and RMR. Test holes along the water main alignment are being performed late this month into October. Installation of a nutrient analyzer at SFRR has been completed and was successfully started up. This is the last step of the water quality study, and a final report is anticipated in September.

History:

The approved 50-year Community Water Supply Plan includes the construction of a new raw water pipeline from the South Rivanna River to the Ragged Mountain Reservoir. This new pipeline will replace the Upper Sugar Hollow Pipeline along an alternative alignment to increase raw water transfer capacity in the Urban Water System. The project includes a detailed routing study and water line design to account for recent and proposed development and road projects in Albemarle County and the University of Virginia. Preliminary design, preparation of easement documents, and acquisition of water line easements along the approved route is also being completed

AGENDA ITEM EXECUTIVE SUMMARY

as part of this project that will lead to final design and construction of the raw water line, reservoir intake and pump station.

- **Beaver Creek Dam, Pump Station, and Piping Improvements**

Design Engineer:	Schnabel Engineering (Dam)
Design Engineer:	Hazen and Sawyer (Pump Station)
Project Start:	February 2018
Project Status:	50% Design
Construction Start:	May 2026
Completion:	January 2030
Budget:	\$47,100,000

Current Status:

Design work is underway by Hazen for the new raw water pump station, intake, raw water main, and hypolimnetic oxygenation system, and by Schnabel Engineering for final design of the dam spillway upgrades, temporary detour, and spillway bridge. Geological, survey, and other field investigative work for the dam design were recently completed. Documents are being developed for acquisition or lease of property for the Pump Station from the County.

History:

RWSA operates the Beaver Creek dam and reservoir as the sole raw water supply for the Crozet area. In 2011, an analysis of the Dam Breach inundation areas and changes to Virginia Department of Conservation and Recreation (DCR) *Impounding Structures Regulations* prompted a change in hazard classification of the dam from significant to high hazard. This change in hazard classification requires that the capacity of the spillway be increased, and the dam be replaced. This CIP project includes investigation, preliminary design, public outreach, permitting, easement acquisition, final design, and construction of the anticipated modifications. Work for this project includes a new relocated raw water pump station and intake.

AGENDA ITEM EXECUTIVE SUMMARY

- **Upper Schenks Branch Interceptor, Phase II**

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

Current Status:

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

History:

The Schenks Branch Interceptor is located in the easter part of the City of Charlottesville and was constructed in the mid-1950s. The existing interceptor is undersized to serve present and future wet weather flows and is to be upgraded to from a 21-inch to 30-inch pipe.

- **MC Pump Station Slide Gates, Valves, Bypass, and Septage Receiving Upgrades**

Design Engineer:	Hazen and Sawyer (Hazen)
Project Start:	June 2023
Project Status:	55% Design
Construction Start:	June 2025
Completion:	September 2026
Budget:	\$3,600,000

Current Status:

Hazen is vetting software vendors for additional improvements to the current septage receiving equipment and billing software, and completing a flood resiliency evaluation.

History:

Inspections of the large aluminum slide gates at the influent side of the Moores Creek Pump Station have been conducted and the need for repair/addition of new gates for RWSA staff to have the flexibility to stop or divert flow to perform maintenance activities is needed. This project will also enclose the leachate discharge pit to reduce odors and address maintenance concerns.

AGENDA ITEM EXECUTIVE SUMMARY

Planning and Studies

- **MCAWRRF Biogas Upgrades**

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

Current Status:

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

- **Flood Protection Resiliency Study**

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

Current Status:

This project will identify individualized flood mitigation measures of six facilities to increase their resiliency from a 1% flooding event to a 0.2% flooding event. Facilities include: Mechums River Raw Water PS, Glenmore WW PS, Moores Creek AWRRF, Scottsville WWRRF, Crozet FET, and Crozet WW PS #2. A consultant is being selected to perform this study and the specific scope of the evaluation is being confirmed. This project received \$198,930 in grant funding from FEMA and VDEM.

AGENDA ITEM EXECUTIVE SUMMARY

Other Significant Projects

- **Urgent and Emergency Repairs**

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

<u>Project No.</u>	<u>Project Description</u>	<u>Approx. Cost</u>
2023-01	Finished Water System ARV Repairs	\$150,000
2024-03	MCAWRRF Secondary Clarifier #4 Equipment Failure	\$150,000

- RWSA Finished Water ARV Repairs: RWSA Engineering staff recently met with Maintenance staff to identify a list of Air Release Valves (ARVs) that need to be repaired, replaced, or abandoned. Several of these locations will require assistance from RWSA On-Call Maintenance Contractors, due to the complexity of the sites (proximity to roadways, depth, etc.). The initial round will include seven (7) sites, all along the South Rivanna Waterline. Three replacements have been completed at this time, with a fourth site in progress. This in progress site included abandonment of an existing manual ARV located in the middle of the Route 29-Hydraulic intersection, which has been completed, and was a major coordination effort with VDOT, as they intend to pave this area in the coming weeks. The Contractor is working with VDOT on permits to continue the work.
- MCAWRRF Secondary Clarifier #4 Equipment Failure: On Sunday Evening, March 3rd, RWSA Wastewater Department staff identified that Secondary Clarifier #4 at MCAWRRF appeared to have a significant mechanical malfunction. Upon further review by staff, the rotating arm of the clarifier mechanism caught the stationary arm, wrapping it around the center of the clarifier. Staff mobilized MEB General Contractors under its On-Call Maintenance Construction Services Contract with Faulconer, and the clarifier was back up and operational with just one stationary arm on Friday, March 8th. Staff are waiting on the necessary parts to complete repairs to the clarifier arms, but in the meantime, the clarifier is operational should it be needed for wet weather events. The remaining repairs will be completed by the RWSA Maintenance Department.

AGENDA ITEM EXECUTIVE SUMMARY

• **Security Enhancements**

Design Engineer:	Hazen & Sawyer
Construction Contractor:	Security 101 (Richmond, VA)
Construction Start:	March 2020
Percent Complete:	90% (WA9), 95% (WA10)
Based Construction Contract + Change Orders to Date = Current Value:	\$718,428 (WA1) + \$834,742 (WA2-10)
Completion:	June 2024 (WA9), August 2024 (WA10)
Budget:	\$2,810,000

Current Status:

WA9 will include installation of card access on all exterior doors at the South Rivanna WTP and has been amended to include interior doors at the new IT data center. WA10 will include installation of card access on the exterior doors of the finished water pump station and “795” tank buildings in Scottsville. Device installation is complete here as well, with programming and startup ongoing. Design of MCAWRRF entrance modifications with Hazen & Sawyer continues, with discussions with Dominion Energy also ongoing, as relocation of existing electrical infrastructure will be required. This relocation process will need to be finalized prior to the project proceeding to the bidding phase. Relocation of existing electrical infrastructure will require coordination with the adjacent landowner, as the infrastructure must be completely relocated from the entrance area. As these discussions are ongoing, staff have submitted appropriate permitting documents to Albemarle County.

ACSA Board Future Policy Issues Agendas 2024-2025

Regular 3rd Thursday Monthly Meetings	Nov. '24	Dec. '24	Jan. '25	Feb. '25	Mar. '25	April '25	May '25	June '25	July '25	Pending Issues
	November 21st	December 19th	January 16th	February 20th	March 20th	April 17th	May 15th	June 19th	July 17th	ACSA Customer Communications
	Recognitions Jennifer Bryant 25 years Roland Bega 25 years	Recognitions	Recognitions	Recognitions	Recognitions	Recognitions	Recognitions	Recognitions	Recognitions	CIS - Customer Information Systems - Billing, Website, Phone
	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Monthly Financial, CIP, Maintenance Reports and RWSA Monthly Update	Climate Change and Sustainability
	Operational Presentation - ACSA Safety Programs and Initiatives	Operational Presentation	Operational Presentation	Operational Presentation - Administration	Operational Presentation - Engineering	Operational Presentation - Maintenance	Operational Presentation - IT	Operational Presentation - Finance	Operational Presentation	Customer Experience (CX)
	Annual Financial Report (<i>Annual Item</i>)	Annual Investments Report (<i>Annual Item</i>)	Board Organizational Meeting - Election of Officers (<i>Annual Item</i>)	Personnel Management Plan Amendments - Travel Policy	Proposed CIP Presentation (<i>Annual Item</i>)	Proposed FY '26 Capital Improvements Proposed CIP Presentation (<i>Annual Item</i>)	Proposed FY '26 Budget and Rates Workshop (<i>Annual Item</i>)	FY '26 Budget and Rates Public Hearing (<i>Annual Item</i>)		Data Management and Management Dashboards
	Water and Sewer Construction Specifications Update and Approval	FY '26 Budget Guidelines and Schedule (<i>Annual Item</i>)	Annual Water Conservation Report (<i>Annual Item</i>)	Financial Plan and Rate Study Scope of Work Discussion	Fix a Leak Week Water Conservation Event (<i>Annual Item</i>)	Proposed FY '26 Capital Improvements Program (CIP) Public Hearing (<i>Annual Item</i>)	Annual Water Quality Reports (<i>Annual Item</i>)	FY '26 Budget, Rates and CIP Approval (<i>Annual Item</i>)		Emergency Preparedness
	Information Technology - Monthly Information for Board	Board Meeting Schedule 2025 (<i>Annual Item</i>)	2024 Annual Report - Accomplishments and Challenges (<i>Annual Item</i>)		Strategic Plan Update (<i>Semi- Annual Item</i>)	Proposed FY '26 Budgets and Rates Overview (<i>Annual Item</i>)		Amendments to Rules and Regulations, and Personnel Management - Budget Implementation (<i>Annual Item</i>)		Federal/State Water Quality Regulations PFAS; Emerging Contaminants
		Holiday Schedule 2025 (<i>Annual Item</i>)				Resolution Scheduling Budget and Rates Public Hearing for June 19, 2025 (<i>Annual Item</i>)		Water & Wastewater Professionals Appreciation Day Recognition (<i>Annual Item</i>)		New Development
						National Drinking Water Week (<i>Annual Item</i>)				Operational Presentation - Sewer Rehabilitation Relining
										Pay Plan Market Rate Study for FY '25 - Compensation (Fall)
										Purchasing Policy Manual
										RWSA CIP Central Water Line - Reservoirs Pipeline North Rivanna System Wastewater Projects
										Strategic Plan Update - Biannual
										Water Audit
										Water Supply Plan Project Status Reports
					Executive Session - Executive Director Annual Performance Review					10/17/2024

ALBEMARLE COUNTY SERVICE AUTHORITY

AGENDA ITEM EXECUTIVE SUMMARY

<p>AGENDA TITLE: Imagine a Day Without Water</p> <p>STAFF CONTACT(S)/PREPARER: Emily Roach, Director of Human Resources and Administration</p>	<p>AGENDA DATE: October 17, 2024</p> <p>ACTION: Yes</p> <p>ATTACHMENTS: Yes</p>
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BACKGROUND: For many, living a day without water is not something to be imagined, but rather an unfortunate reality. The annual Imagine a Day Without Water campaign, being held on October 17th this year, is a National Day of Action that brings together communities and stakeholders from all over to highlight how invaluable and essential this precious resource is, and the need for continuous investment in infrastructure.

As part of the tenth celebration, the ACSA, RWSA, and City of Charlottesville will once again host their annual “Imagine a Day Without Water” student art contest. This year, students are being asked to convey the theme “What’s Your Drop in the Bucket?” The contest will be open to all youth in grades K-12 living in the City of Charlottesville and/or Albemarle County. There will be gift card prizes awarded to the winners of each grade category (K-2, 3-4, 5-6, 7-8, and 9-12), as well as a “fan favorite” selected by the community. Teachers that have students participating in the contest will be eligible for gift card prizes as well, based on the most classroom submissions and a random winner from Charlottesville City Schools, Albemarle County Public Schools, and a private school or organization.

BOARD ACTION REQUESTED: Approve the attached resolution proclaiming October 17, 2024, as “Imagine a Day Without Water”.

ATTACHMENTS: Imagine a Day Without Water Flyer & Art Contest Entry Form
Imagine a Day Without Water Resolution

2024 Youth Art Contest

Imagine a Day without Water









Open to:
All Youth that live in the
City of Charlottesville
& Albemarle County in
Grades K to 12th.

Theme: "What's Your Drop in the Bucket?"

Water is essential for life. You need water for everything from brushing your teeth, growing the food you eat, and making the things you use everyday. Every drop counts and we want you to show us "what's your drop in the bucket."

SEPT 30TH - OCT 28TH

Contest Rules

-  All entries must convey the theme of the contest:
"What's Your Drop in the Bucket?"
-  Entries must be the work of one individual student, no collaborations.
-  Multiple entries from the same student will be accepted.
-  Original artwork or photography only. Entries submitted with copyrighted characters or images will not be accepted.
-  Artwork can be any 2-dimensional size. Suggestion sizes are horizontal 11" x 8.5" for drawings and 4:3 ratio for photography.
-  Any medium may be used (paint, colored pencils, crayons, markers, photography, etc.) No 3-D entries, please.
-  Teachers may submit for students or students can submit independently through their parents.
-  Submission Options:
 - Submit digitally through our Art Contest Platform Upload Form (accepts: JPEG/JPG, PNG, or GIF images).
 - Mail your entry to Water Conservation, PO Box 911, Charlottesville, VA 22902
 - In person at JMRL Central, Northside, and Crozet branches. Check JMRL.org for hours of service.

PRIZES

For the Students:

\$200 gift card

One winner in each category

- Grades K-2
- Grades 3-4
- Grades 5-6
- Grades 7-8
- Grades 9-12
- Fan Favorite (voting Nov 18th - Dec 4th)
- Best Photography

For the Teacher:

Teachers that have their students participate with be eligible for **\$200 gift card** for classroom projects.

- Most classroom submissions
- A random winner each from a CCS, ACPS, and a private school or organization

The more students that participate will increase the odds of winning!



TENTH ANNUAL
Imagine a Day Without Water
October 17, 2024



www.charlottesville.gov/artcontest

Official Entry Form



2024 Charlottesville "Imagine a Day without Water" Art Contest: What's Your Drop in the Bucket

Name: _____

Age: _____

School: _____

Grade: _____

Division Category: Grades: K-2 ☐ Grades: 3-4 ☐ Grades: 5-6 ☐
(Please check one)

Grades: 7-8 ☐ Grades: 9-12 ☐ Photography ☐

Teacher Sponsor Name (if applicable) : _____

Home Phone Number: (____) _____

(Parent/Teacher signature)

E-mail Address: _____

If you are submitting in person or through mail, you must completely fill this out to be a valid entry.

Please write legibly! Electronic submissions will fill this out as part of your digital submission.

Posters become the property of the contest sponsors (City of Charlottesville, ACSA and RWSA) and will not be returned. The contest sponsors have the right to display or otherwise use the submissions for future promotions.

Deadline for all poster entries is Monday, Oct 28th 2024! Please attach this form to the back of your poster!

- ✍️ Winners will be recognized through a press release and their work will be exhibited in public venues.
- ✍️ A panel of judges (to be selected by the contest sponsors) will select the winning posters for each grade division.
- ✍️ Posters will be judged on message (keep in mind the theme), originality, creativity and overall presentation.
- ✍️ Posters must be submitted by October 28th using one of the official submission processes by the end of business day.
- ✍️ The Fan Favorite winner will be selected by online voting from the top entries (number based on entries). The link with the eligible entries will be available at www.charlottesville.gov/artcontest starting on November 18th through December 4th.
- ✍️ One student may not win both the fan favorite and judges pick, and if the student is chosen for both, the fan favorite runner-up will win the Fan Favorite prize.
- ✍️ The winners of all categories will be announced by December 11th, 2024.

For updates and full list of rules and contest information, please go to our website. www.charlottesville.gov/artcontest.

Submit Online:

www.charlottesville.gov/artcontest.

Submit by Mail:

Water Conservation, PO Box 911,
Charlottesville, VA 22902.

Submit in Person:

At JMRL Central, Northside, and Crozet branches. Check JMRL.org for hours of service.

QUESTIONS?

Contact:

Jill Greiner

Water Efficiency Program Coordinator

434-970-3877

waterconservation@charlottesville.gov

Important: Each poster mailed or delivered in person **MUST** have the official entry form attached to the back. All information must be filled in completely and legibly. Illegible and incomplete entries will be disqualified. Please print or type ALL information. Entry forms may be copied if needed.

RESOLUTION PROCLAIMING IMAGINE A DAY WITHOUT WATER

OCTOBER 17, 2024

WHEREAS, water infrastructure is the lifeline of our communities and a day without water would be a public health and safety crisis, limiting the functionality of safety personnel such as firefighters and hospital staff, as well as businesses and homes; and

WHEREAS, America's water infrastructure is aging and failing—and an estimated two million Americans are living without access to adequate drinking water and sanitation, with Black, Indigenous, and Communities of Color, as well as low-income communities, more likely to experience this lack of water and sanitation than white or affluent communities; and

WHEREAS, Imagine a Day Without Water is a National Day of Action that raises awareness about and appreciation for our most essential resource;

NOW, THEREFORE, BE IT RESOLVED that the Albemarle County Service Authority Board of Directors hereby proclaims October 17, 2024, as the tenth annual "Imagine a Day Without Water" to help Albemarle County residents and Albemarle County Service Authority customers recognize the value of safe, clean water to not only our community but to the quality of life, public safety, and economic health worldwide.

 Certified to be a true copy of a Resolution adopted by the Albemarle County Service Authority Board of Directors at a regularly scheduled meeting on October 17, 2024, by a vote of ___ to ___.

Richard Armstrong, ACSA Board Chair

ALBEMARLE COUNTY SERVICE AUTHORITY

AGENDA ITEM EXECUTIVE SUMMARY

<p>AGENDA TITLE: Lead and Copper Regulations and Inventory Update</p> <p>STAFF CONTACT(S)/PREPARER: Jeremy M. Lynn, P.E., Director of Engineering and Tim Brown, Environmental Compliance Supervisor</p>	<p>AGENDA DATE: October 17, 2024</p> <p>ACTION: <input type="checkbox"/> INFORMATION: <input checked="" type="checkbox"/></p> <p>ATTACHMENTS: YES</p>
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BACKGROUND: In 1991, the Environmental Protection Agency (EPA) published a regulation to control lead and copper in drinking water, known as the Lead and Copper Rule. Since 1991, the Lead and Copper Rule has undergone several minor revisions, primarily to address implementation issues and streamline the monitoring and reporting burden on utilities. After much debate and several delays, the Revised Lead and Copper Rule (LCRR) became effective on December 16, 2021, with all components of the revised rule to be implemented by October 16, 2024. Highlights of the Revised Lead and Copper Rule include:

- ❖ Service line identification and inventory
- ❖ Lead Service Line (LSL) Replacement Plan
- ❖ Increased focus on corrosion-control treatment
- ❖ Changes in tap sampling and tiering
- ❖ School/childcare facility testing mandated for the first time; sampling spread over as much as five (5) years
- ❖ Enhanced transparency and public education/outreach

The biggest challenge for the ACSA in complying with the LCRR has been the service line identification and inventory requirement. Through a variety of methods, ACSA staff have been able to identify pipe materials for all existing public and private service lines. While this has been a tremendous accomplishment to complete and publish an inventory of service line materials, we are pleased to share that we did not identify a single lead service line in our water distribution system. In short, we are proud to serve our customers with a water system that is 100% lead-free across all four of our service areas.

DISCUSSION:

- ❖ Corrosion control efforts by the Rivanna Water and Sewer Authority (RWSA) began more than 40 years ago. Transition to an ortho-phosphate product was approved by the Virginia Department of Health (VHD) in 2019 following extensive laboratory testing. Water treatment plants, distribution system and in-home sampling were conducted to confirm findings in the field were consistent with laboratory testing. A slight reduction in the

ALBEMARLE COUNTY SERVICE AUTHORITY

AGENDA ITEM EXECUTIVE SUMMARY

- orthophosphate dosage took place in September 2024 in response to an ongoing mineral sediment challenge.
- ❖ Water sampling and testing at elementary schools and childcare facilities is mandated by the Revised Lead and Copper Rule. The ACSA's service area includes 15 public elementary schools, 10 private elementary schools, and nearly 40 licensed childcare facilities. EPA plans to finalize the proposed Lead and Copper Rule Improvements (LCRI) by October 16, 2024, to minimize implementation issues with the final LCRR. Provisions included in the proposed LCRI may impact the sampling programs for these types of facilities, and when testing is to begin.
 - ❖ Identification of service line materials must involve both public and private portions and must include all service lines including those serving vacant/abandoned buildings, irrigation systems and fire suppression systems.
 - ❖ Inventory must be made publicly available for all systems serving greater than 50,000 customers. We have provided inventory information to our customers in all four systems through an interactive map on our website.
 - ❖ Service Line Inventories for all four systems have been submitted, in advance of the October 16, 2024, deadline. We are waiting to hear from VDH on their acceptance of the Urban System.

BUDGET IMPACT: None.

RECOMMENDATIONS: None.

BOARD ACTION REQUESTED: No Board action requested. Information only.

ATTACHMENTS:

- ❖ Red Hill PWSID 2003054 – Service Line Acceptance dated 9/19/2024
- ❖ Crozet PWSID 2003050 – Service Line Acceptance dated 10/2/2024
- ❖ Scottsville PWSID 2003051 – Service Line Acceptance dated 10/2/2024
- ❖ PowerPoint presentation – Lead and Copper Regulations and Inventory Update



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Lexington Field Office

131 Walker Street
Lexington, VA 24450
Phone: 540-463-7136

SUBJECT: Albemarle County
Waterworks: ACSA Red Hill
PWSID No: 2003054

September 19, 2024

Sent via Electronic Mail

Mr. David Tunate
Rivanna Water & Sewer Authority
695 Moores Creek Lane
Charlottesville, VA 22902

Dear Mr. Tunate:

On behalf of the U.S. Environmental Protection Agency and as required by the Lead and Copper Rule Revisions, the Office of Drinking Water has reviewed the initial Lead Service Line Inventory submitted on September 18, 2024, for the subject waterworks. The inventory appears to meet the requirements outlined in 40 CFR Parts 141 and, therefore has been accepted.

This is a reminder to complete the initial notification to customers with lead, galvanized requiring replacement, or unknown service lines within 30 days of completion of the initial inventory, but no later than November 15, 2024. Templates for the initial notifications are on our LCRR Guidance webpage at: <https://www.vdh.virginia.gov/drinking-water/lcrr-guidance/>.

If you have questions, please contact Karen Austin, District Engineer, at karen.austin@vdh.virginia.gov or (540) 463-0422.

Sincerely,

Steve Kvech (Sep 19, 2024 15:36 EDT)

Steven J. Kvech, PE
Deputy Field Director

SJK/VS/kk/240919-10



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Lexington Field Office

131 Walker Street
Lexington, VA 24450
Phone: 540-463-7136

SUBJECT: Albemarle County
Waterworks: ACSA Crozet
PWSID No: 2003050

October 2, 2024

Sent via Electronic Mail

Mr. Quin Lunsford
Albemarle County Service Authority
168 Spotnap Road
Charlottesville, VA 22911-8690

Dear Mr. Lunsford:

On behalf of the U.S. Environmental Protection Agency and as required by the Lead and Copper Rule Revisions, the Office of Drinking Water has reviewed the initial Lead Service Line Inventory submitted on September 24, 2024, for the subject waterworks. The inventory appears to meet the requirements outlined in 40 CFR Parts 141 and, therefore has been accepted.

This is a reminder to complete the initial notification to customers with lead, galvanized requiring replacement, or unknown service lines within 30 days of completion of the initial inventory, but no later than November 15, 2024. Templates for the initial notifications are on our LCRR Guidance webpage at: <https://www.vdh.virginia.gov/drinking-water/lcrr-guidance/>.

If you have questions, please contact Karen Austin, District Engineer, at karen.austin@vdh.virginia.gov or (540) 463-0422.

Sincerely,

Steve Kvech (Oct 1, 2024 14:44 EDT)

Steven J. Kvech, PE
Deputy Field Director

SJK/kk/241001-10



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Lexington Field Office

131 Walker Street
Lexington, VA 24450
Phone: 540-463-7136

SUBJECT: Albemarle County
Waterworks: ACSA Scottsville
PWSID No: 2003051

October 2, 2024

Sent via Electronic Mail

Mr. Quin Lunsford
Albemarle County Service Authority
168 Spotnap Road
Charlottesville, VA 22911-8690

Dear Mr. Lunsford:

On behalf of the U.S. Environmental Protection Agency and as required by the Lead and Copper Rule Revisions, the Office of Drinking Water has reviewed the initial Lead Service Line Inventory submitted on September 24, 2024, for the subject waterworks. The inventory appears to meet the requirements outlined in 40 CFR Parts 141 and, therefore has been accepted.

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If you have questions, please contact Karen Austin, District Engineer, at karen.austin@vdh.virginia.gov or (540) 463-0422.

Sincerely,

Steve Kvech (Oct 1, 2024 14:44 EDT)

Steven J. Kvech, PE
Deputy Field Director

SJK/kk/241001-11

LEAD AND COPPER REGULATIONS AND INVENTORY UPDATE

ACSA BOARD OF DIRECTORS
MEETING

OCTOBER 17, 2024



PRESENTATION OUTLINE



LEAD AND COPPER
RULE HISTORY

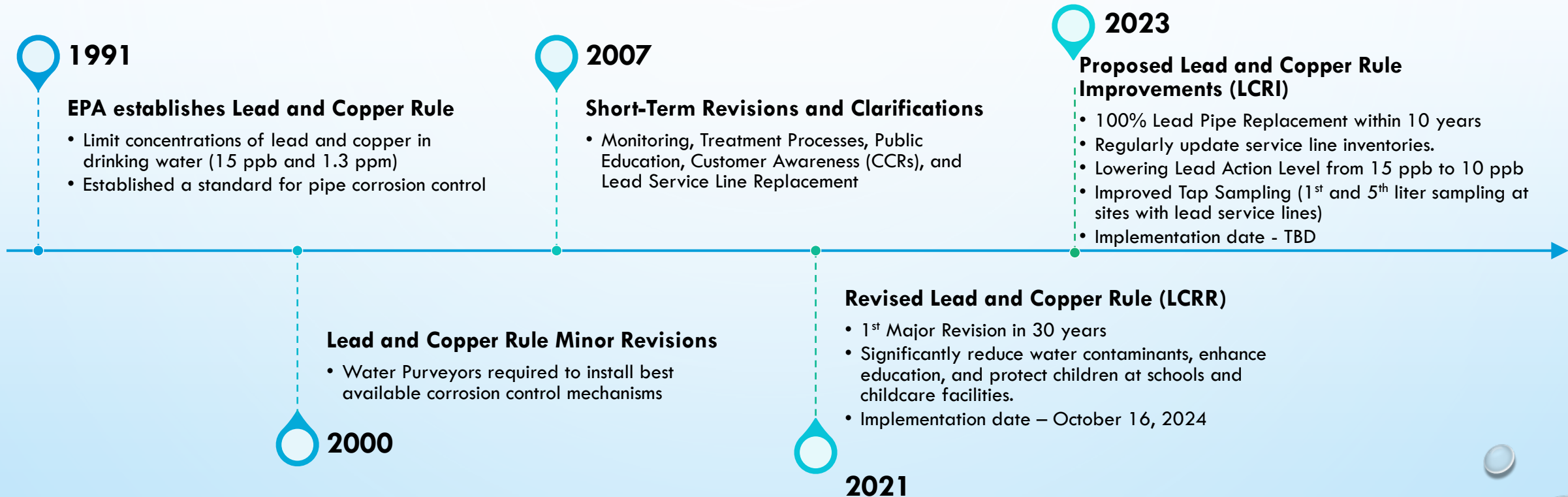


WHERE ARE WE?



FUTURE EFFORTS

LEAD AND COPPER RULE HISTORY



REVISED LEAD AND COPPER RULE (LCRR) HIGHLIGHTS

Service Line Identification and Inventory

Develop a Lead Service Line Replacement Plan

Increased Focus on Corrosion-Control Treatment

School/Childcare Facility Testing Mandated

Enhanced Transparency, Public Education and Outreach

SERVICE LINE IDENTIFICATION TEAM EFFORT

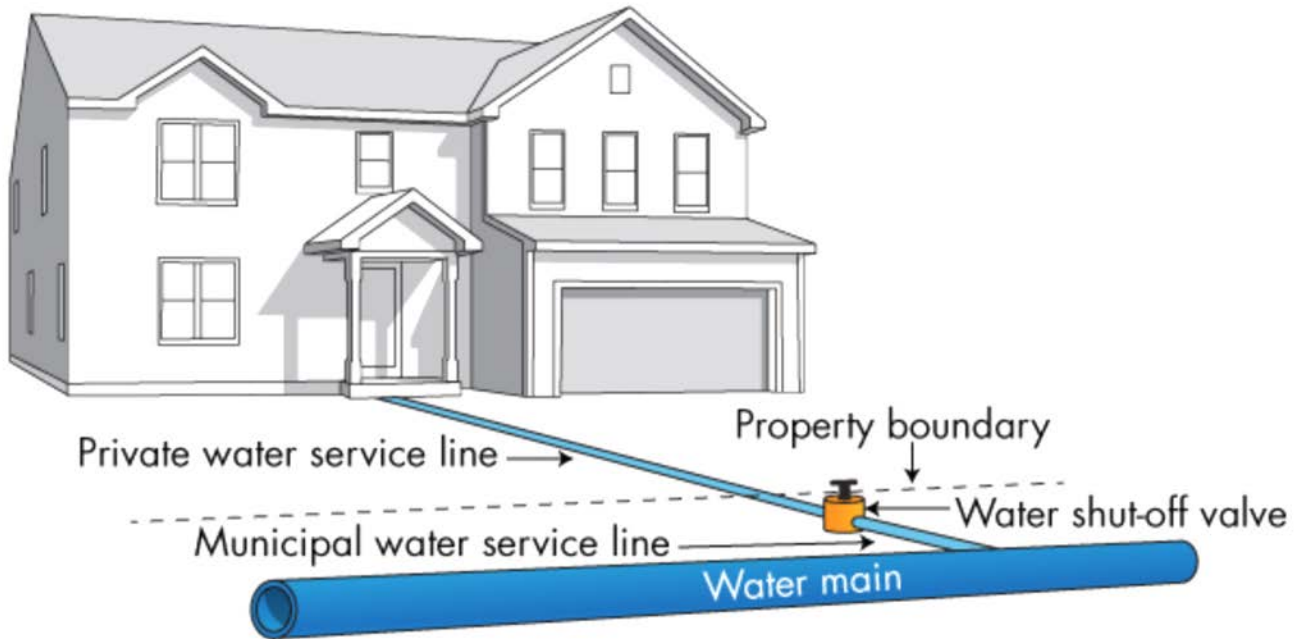
PROJECT MANAGEMENT

- JUSTIN RAY – GIS AND CMMS COORDINATOR
- ROBBIE LAWSON – OPERATIONS SUPERVISOR
- MONTIE MADISON – CREW LEADER
- TIM BABER – UTILITY WORKER
- ELISE KIEWRA – GIS TECHNICIAN

FIELD CREWS FROM MAINTENANCE

ERIC GATES	TYLER SNODDY
BRANDON GIBSON	JONATHAN CAYLOR
JASON THOMAS	CHARLIE THOMAS
CHRIS RAGLAND	STEPHEN PERRY
WADE WALTON	TYLER OLIVER
NICK EPPARD	JAYDEN DAMRON

SERVICE LINE IDENTIFICATION HIGHLIGHTS



Inventory is a living dataset that is continuously improved over time.

Identification of service lines must involve both public and private portions.

Must include all service lines, including vacant/abandoned buildings, fire suppression systems and irrigation systems.

Inventory must be made publicly available online for systems serving more than 50,000 customers.

SERVICE LINE IDENTIFICATION AND INVENTORY



Lead



Galvanized Requiring
Replacement



Non-Lead



Lead Status Unknown

SERVICE LINE IDENTIFICATION METHODOLOGY

Age of Construction

Water System Records

New Water Main Installation and Replacement

Meter Repair and Replacement

Excavation

In-home Customer Inspection

WHERE ARE WE?

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ACSA Lead Service Line Inventory Internal Dashboard

ACSA Owned Portion Material

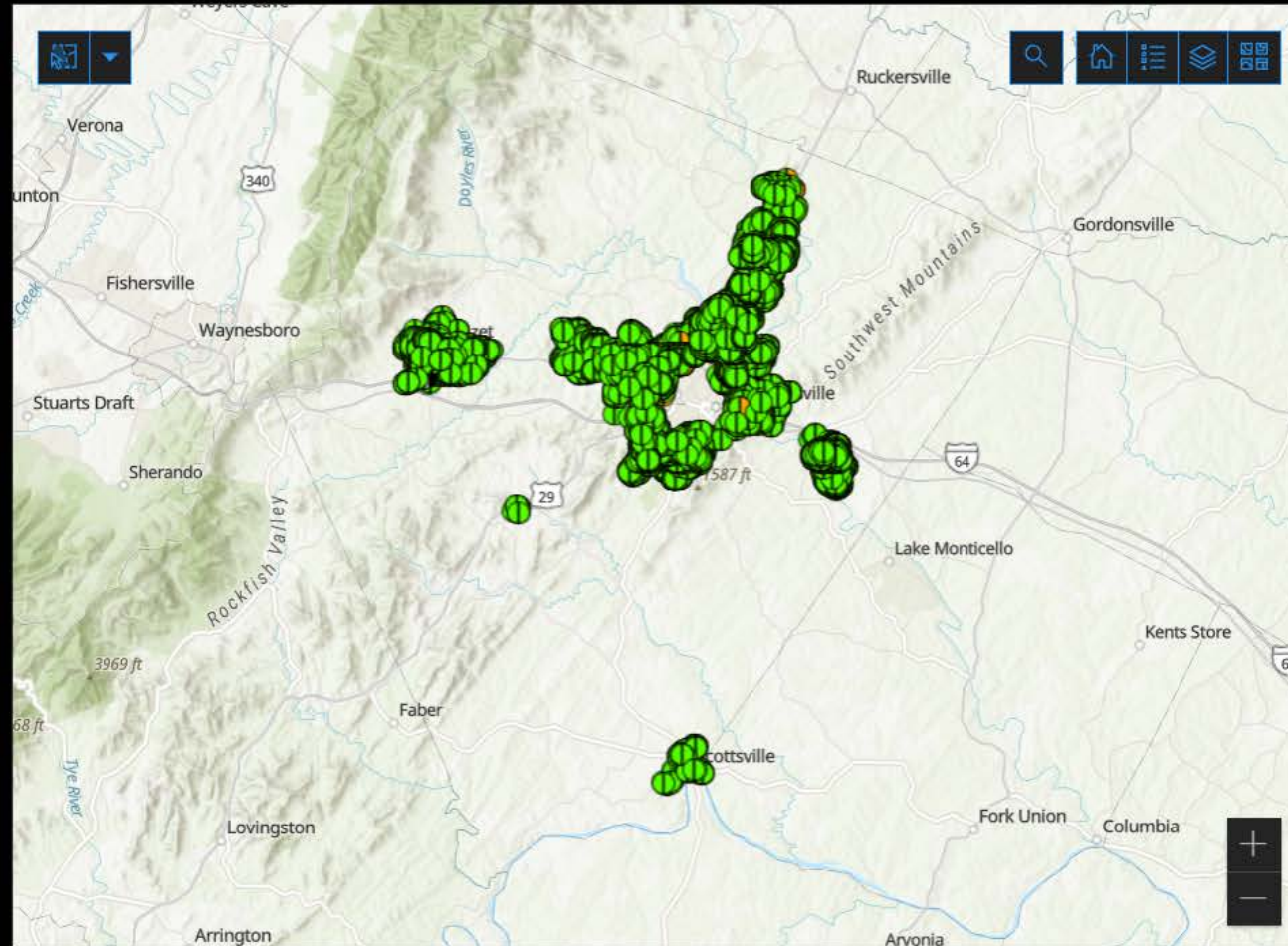


- Non-Lead - Copper 24.1k
- Non-Lead - Plastic 56
- Galvanized 37

ACSA Owned Portion Identification



does not update with map

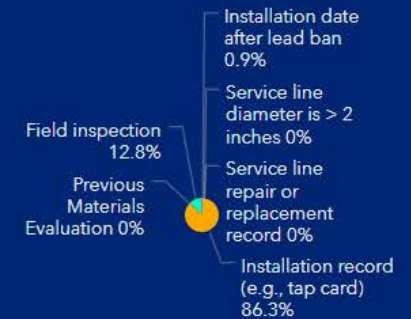


Esri, CGIAR, USGS | VGIN, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS | Albemarle ... Powered by Esri

Customer Owner Portion Basis of Material ID



ACSA Owned Portion Basis of Material ID



Galvanized Connections

710

Lead Connections

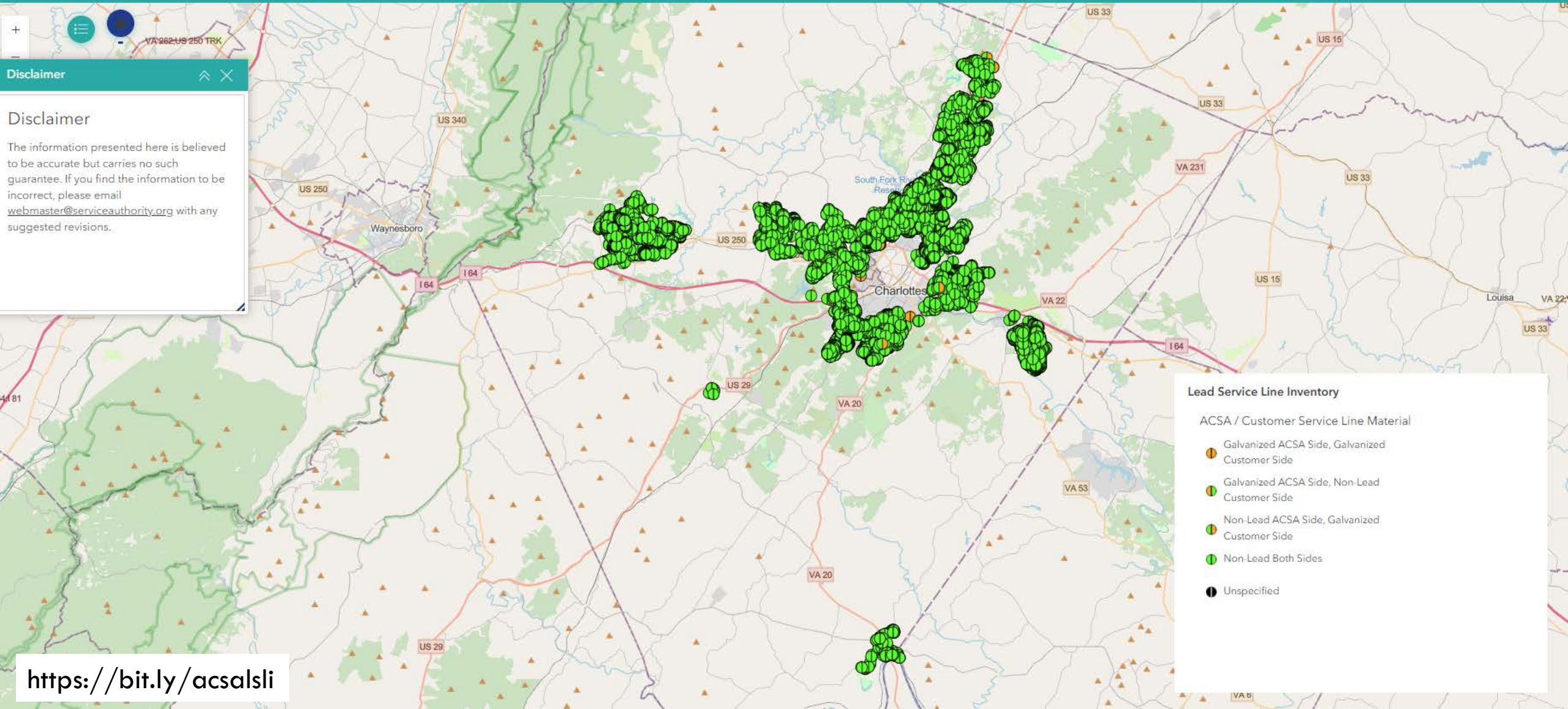
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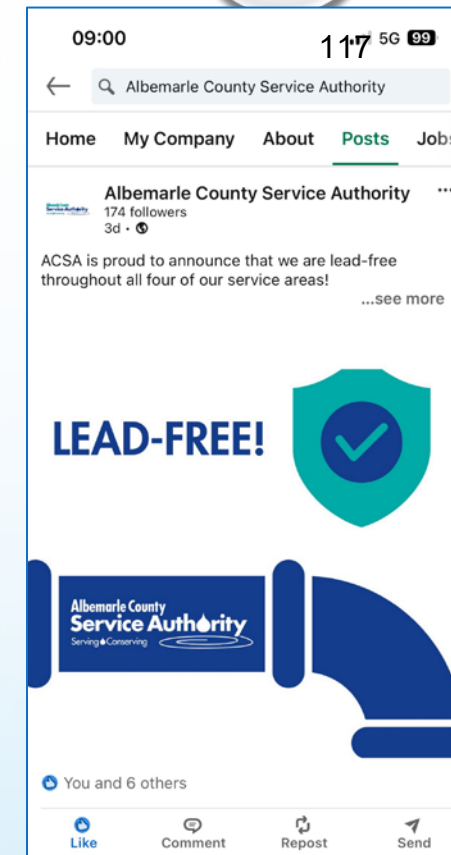
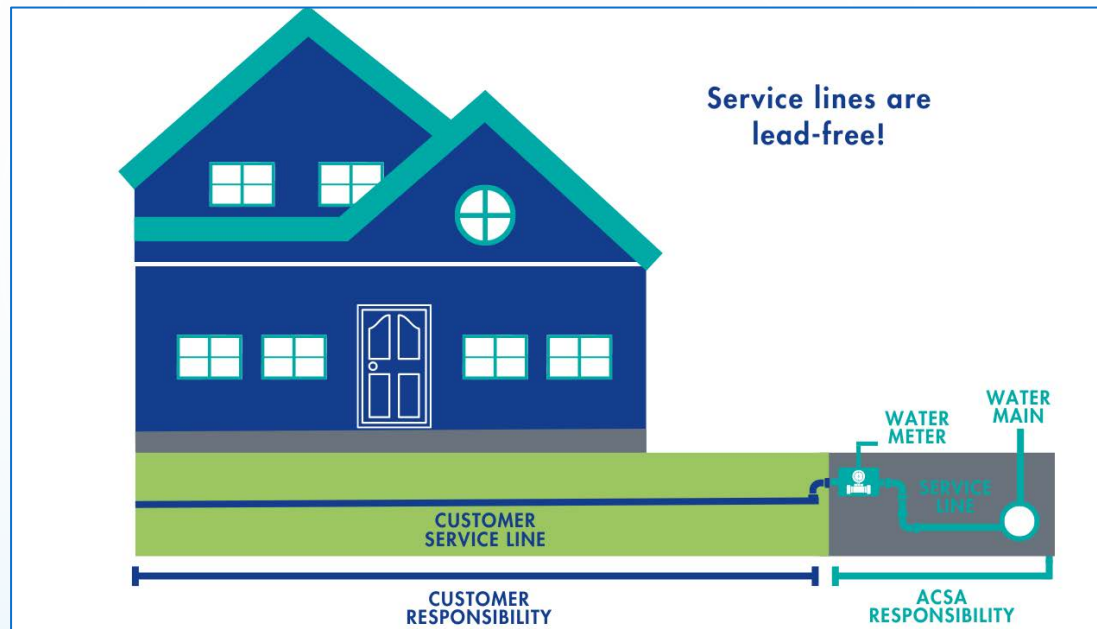
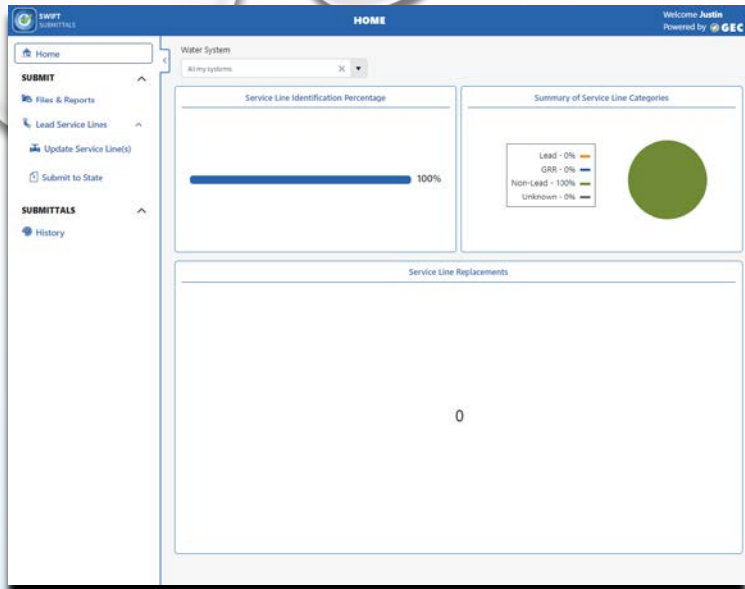
ACSA INTERACTIVE MAP

116



Lead Service Line Inventory






COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
OFFICE OF DRINKING WATER
Lexington Field Office

131 Walker Street
Lexington, VA 24450
Phone: 540-463-7136

SUBJECT: Albemarle County
Waterworks: ACSA Crozet
PWSID No: 2003050

October 2, 2024

Sent via Electronic Mail

Mr. Quin Lunsford
Albemarle County Service Authority
168 Spotnap Road
Charlottesville, VA 22911-8690

Dear Mr. Lunsford:

On behalf of the U.S. Environmental Protection Agency and as required by the Lead and Copper Rule Revisions, the Office of Drinking Water has reviewed the initial Lead Service Line Inventory submitted on September 24, 2024, for the subject waterworks. The inventory appears to meet the requirements outlined in 40 CFR Parts 141 and, therefore has been accepted.



RECENT LEAD AND COPPER SAMPLING RESULTS

CROZET DISTRIBUTION SYSTEM (PWSID 2003050)	
No. of Samples Collected	30
No. of Samples w/ Lead	2*
90 th Percentile Lead	0 PPB
Lead Action Level	15 PPB
90 th Percentile Copper	0.029 MG/L
Copper Action Level	1.3 MG/L

RED HILL DISTRIBUTION SYSTEM (PWSID 2003054)	
No. of Samples Collected	5
No. of Samples w/ Lead	0
90 th Percentile Lead	0 PPB
Lead Action Level	15 PPB
90 th Percentile Copper	0 MG/L
Copper Action Level	1.3 MG/L

PPB – Parts Per Billion

*Levels of 2.28 and 2.5 PPB

CORROSION CONTROL TREATMENT BY RWSA

RWSA has fed
Corrosion Inhibitor
for more than 40
years

Proactive Decision to
Transition from
polyphosphate to
ortho-phosphate

Ortho-phosphate is
better at Pb and Cu
Control

Transition Approved
by VDH in 2019

Crozet System
Blend: 12/2019
Ortho Only:
2/1/2021

Scottsville System
Blend: 9/9/2020
Ortho Only:
10/20/2021

Urban System
Blend: 1/29/2021
Ortho Only:
2/1/2022

Urban System
Reduction in Ortho
Dosage 9/12/2024
in response to
Sediment Challenge

SCHOOL AND CHILDCARE TESTING

Testing Requirements
– 20% of the
Elementary Schools
and Childcares
Annually

Sample results and
public education are
required to be
provided to the
schools

15 ACPS and 10
Private Elementary
Schools

35-40 Licensed
Childcare Facilities



LEAD AND COPPER RULE IMPROVEMENTS (LCRI) FOCUS AREAS

Achieving Lead Pipe Replacement within 10 Years

Locating Legacy Lead Pipes

Improving Tap Sampling

Lowering Lead Action Level to 10 PPB

Strengthening Protections to Reduce Exposure

FUTURE EFFORTS

Notify	Notify all public and private schools, and licensed childcare facilities served by the ACSA
Coordinate	Coordinate with County Schools on Testing of Elementary schools
Develop	Develop Testing Plan for Licensed Childcare Facilities
Continue	Continue Updating Service Line Inventory



QUESTIONS?

ALBEMARLE COUNTY SERVICE AUTHORITY**AGENDA ITEM EXECUTIVE SUMMARY**

AGENDA TITLE: Avon Operations Center	AGENDA DATE: October 17, 2024
STAFF CONTACT(S)/PREPARER: Alexander J. Morrison, P.E., Director of Operations and John E. Anderson, P.E., Senior Civil Engineer	ACTION: <input type="checkbox"/> INFORMATION: <input checked="" type="checkbox"/>
	ATTACHMENTS: NO

BACKGROUND: The ACSA's Avon Street Extended property has long been held as a future location to build additional facilities as our organization continues to grow. The current Maintenance Yard at our Spotnap Road location is becoming overcrowded, and our leased space at the Crozet Water Treatment Facility will be reduced with the upcoming Granular Activated Carbon (GAC) Expansion. The Avon Operations Center will begin to develop this property into a vehicle and materials storage facility, including a training area for our equipment operators.

DISCUSSION: A short presentation has been prepared to provide an update on the Avon Operations Center as we approach the construction phase.

BUDGET IMPACT: Informational only.

RECOMMENDATIONS: None

BOARD ACTION REQUESTED: None; informational item only.

ATTACHMENTS: None

ALBEMARLE COUNTY SERVICE AUTHORITY

AGENDA ITEM EXECUTIVE SUMMARY

AGENDA TITLE: Hurricane and Extreme Weather Preparedness Planning	AGENDA DATE: October 17, 2024
STAFF CONTACT(S)/PREPARER: Alexander J. Morrison, P.E., Director of Operations	ACTION: <input type="checkbox"/> INFORMATION: <input checked="" type="checkbox"/>
	ATTACHMENTS: NO

BACKGROUND: As a utility, our operations can be highly susceptible to the impacts of extreme weather events such as hurricanes, severe storms, and flooding, if not properly mitigated. Each event brings its own unique challenges, from power outages to infrastructure damage and service disruptions. Fortunately, in most cases, we receive advanced warning of potential weather threats, allowing us to evaluate the projected impacts and take necessary actions to mitigate risks. Proper planning and preparation are critical to ensure that we maintain our ability to deliver essential services, including potable water and wastewater operations, to our community during and after such events. By having robust protocols in place, from resource allocation to emergency response coordination, we can safeguard both public health and the continuity of operations, ensuring minimal disruption in even the most challenging conditions.

DISCUSSION: A short presentation has been prepared to provide on the ACSA's hurricane and extreme weather preparedness planning.

BUDGET IMPACT: Informational only.

RECOMMENDATIONS: None

BOARD ACTION REQUESTED: None; informational item only.

ATTACHMENTS: None

