



RIVANNA SOLID WASTE AUTHORITY
RIVANNA WATER & SEWER AUTHORITY

695 Moores Creek Lane
Charlottesville, Virginia 22902-9016

434.977.2970
434.293.8858
www.rivanna.org

July 6, 2026

The Honorable Charlottesville City Council
P.O. Box 911
Charlottesville, VA 22902

Re: Quarterly Update – July

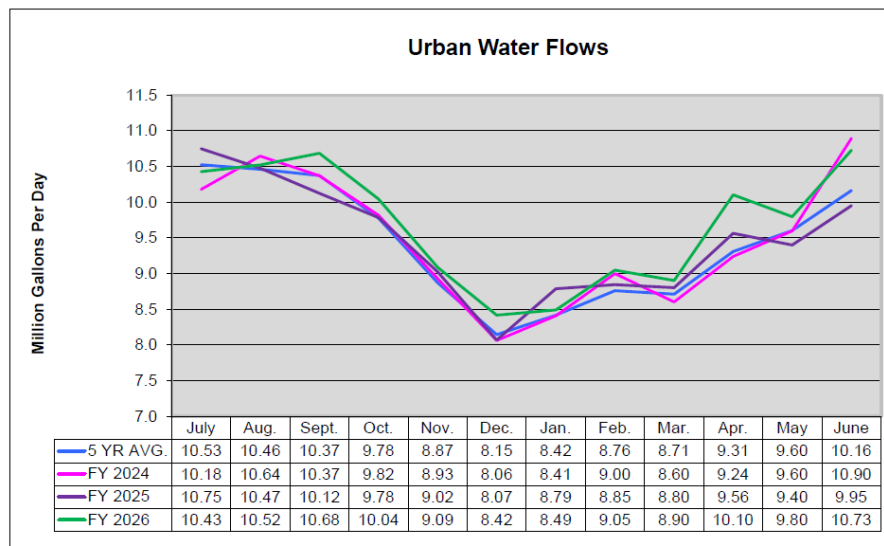
Councilors:

This quarterly update is to provide general information on the public drinking water supply and treatment, wastewater collection and treatment, and refuse disposal and recycling programs managed by the Rivanna Authorities for the benefit of the Charlottesville/Albemarle community, as follows:

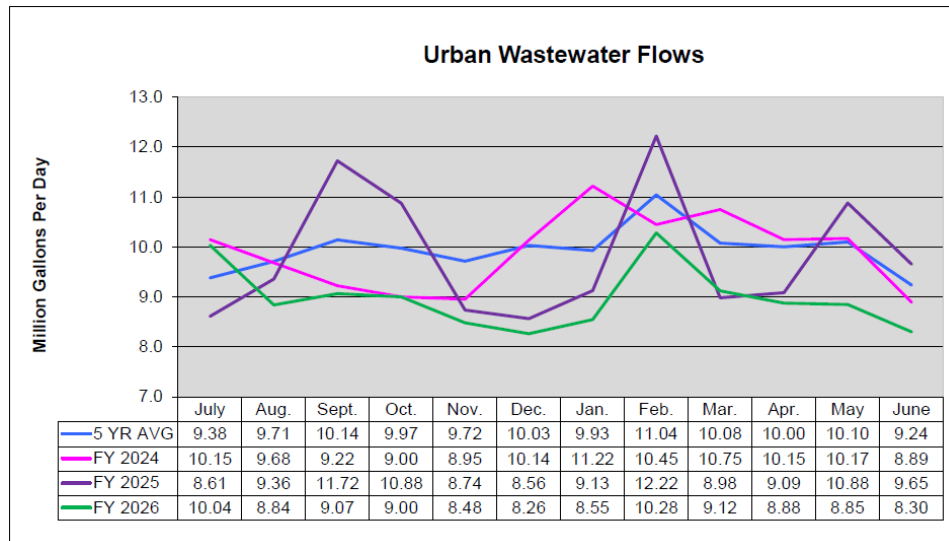
1. Drinking Water Supply:

- Our three Urban reservoirs (Sugar Hollow, South Rivanna, Ragged Mountain) are 94% full with a total storage capacity of about 2.7 billion gallons. Water demand in the Urban area (City and adjacent developed areas of the County) averaged about 10.7 million gallons per day (MGD) in June.
- Beaver Creek Reservoir (Crozet) is 92% full with a total storage capacity of about 500 million gallons. Water demand in Crozet averaged 0.77 MGD in June.
- Totier Creek Reservoir (Scottsville) is 100% full with a total storage capacity of about 155 million gallons. Water demand in Scottsville averaged 0.079 MGD (79,000 gallons) in June.
- Drought Conditions: We received only 10% = 0.44 inches of normal precipitation in June and 55% = 11.26 inches of normal precipitation for the year through June. We are monitoring the drought stage triggers outlined in the community's "Drought Response and Contingency Plan", including stream and reservoir levels, and coordinating with the Rivanna Regional Drought Response Committee in preparation for implementation of Water Conservation Measures.

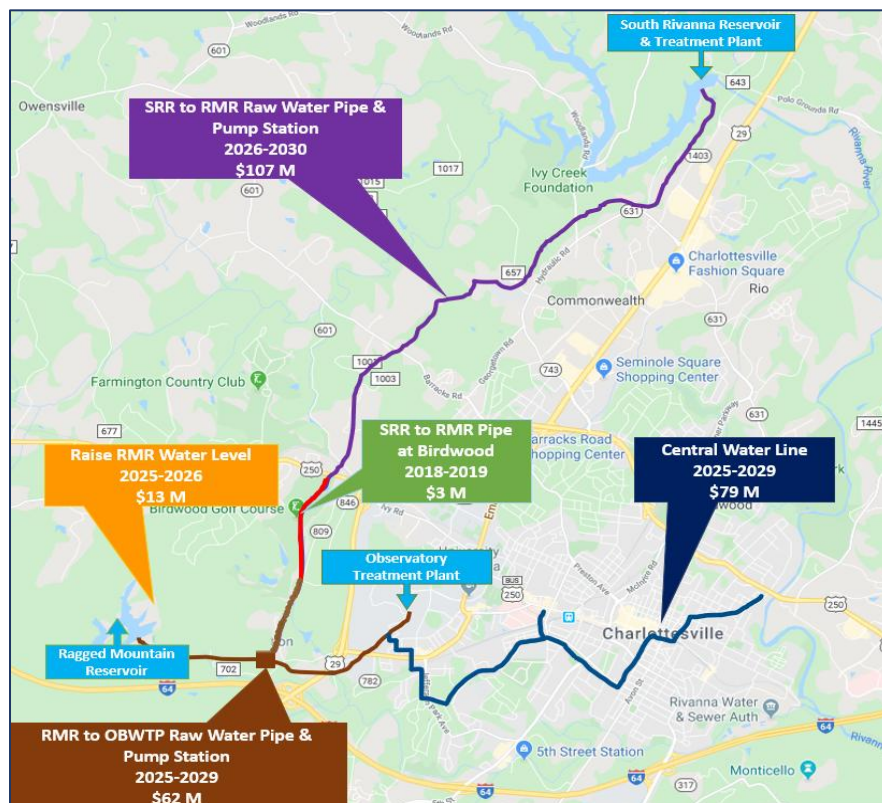
- Production of drinking water for the Urban area averaged 10.73 MGD in June 2026 (FY 2026), which was higher than the five-year average for June (10.16 MGD) as shown by the following graph:



- Urban wastewater treatment for June 2026 (8.3 MGD), including flows from Crozet but not from Scottsville, was below the five-year average for June (9.24 MGD) due to the lower-than-normal precipitation which reduced the unintended infiltration of stormwater into the wastewater system, as shown by the graph below:

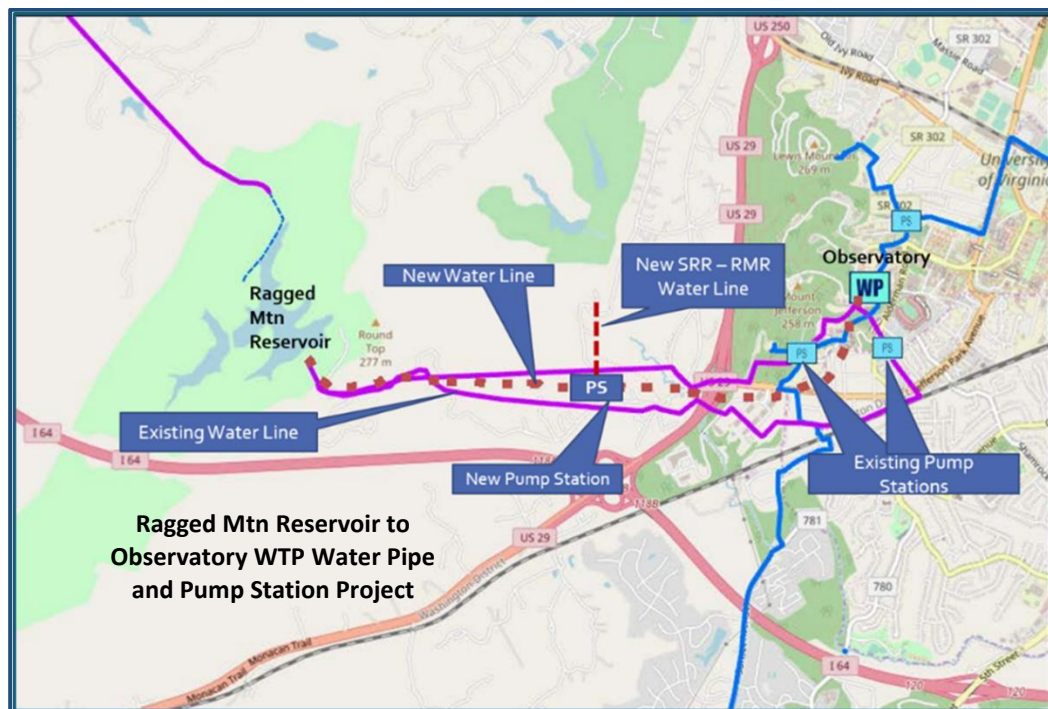


- A general overview of significant current and future drinking water, wastewater and solid waste Capital Improvement Projects is provided below. Cost allocations between the Charlottesville Department of Utilities (Utility funds) and the Albemarle County Service Authority (ACSA), are identified for each water and sewer project, while general funds from the City and County are indicated for any solid waste (refuse and recycling) projects. Several of these generational projects are part of the community's Water Supply Plan established in 2012 to increase the capacity of our drinking water system, as shown below.



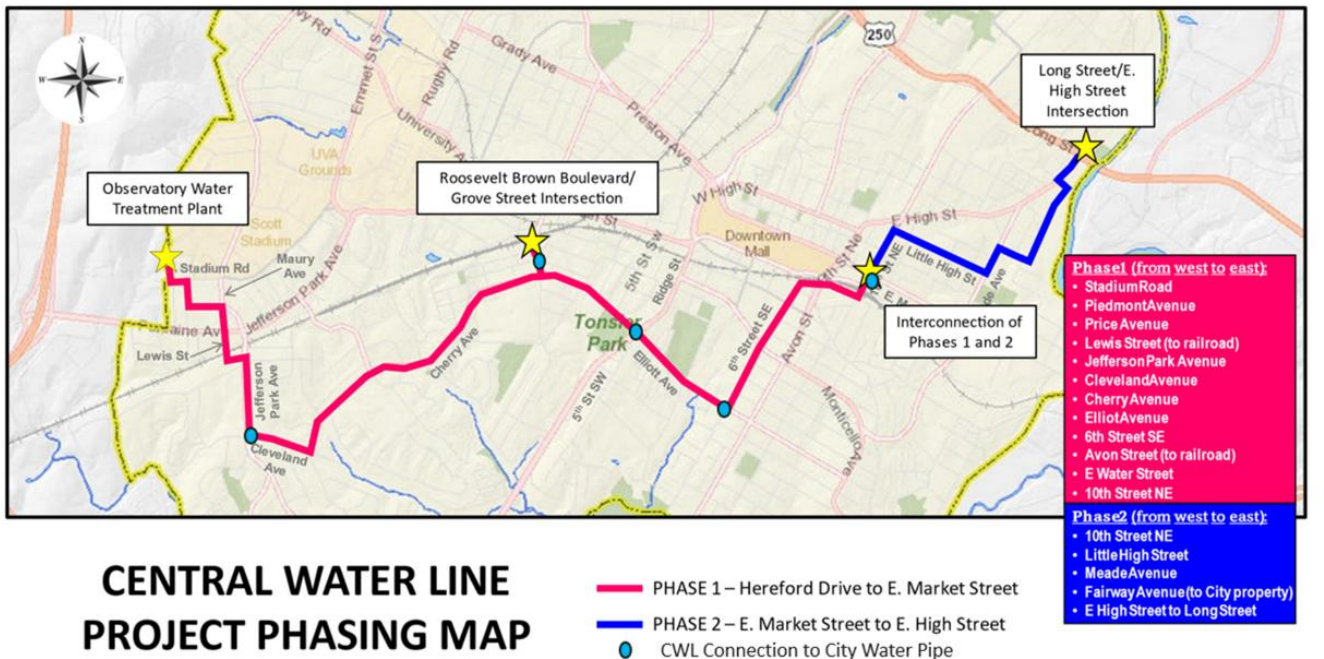
Construction is underway on the following major projects:

- **Water Pipe and Pump Stations Replacement, Ragged Mtn Reservoir to Observatory Water Treatment Plant**
 - Scope: Replace two water pipes and two water pumping stations with four miles of 36" ductile iron piping and one new water pumping station to convey untreated water from the Ragged Mtn Reservoir to the Observatory WTP. The existing facilities have reached the end of their service lives and require replacement to reliably provide untreated water to the recently upgraded Observatory WTP.
 - Completion: February 2025 – June 2029
 - Cost: \$62 million: 52% ACSA / 48% City Utilities

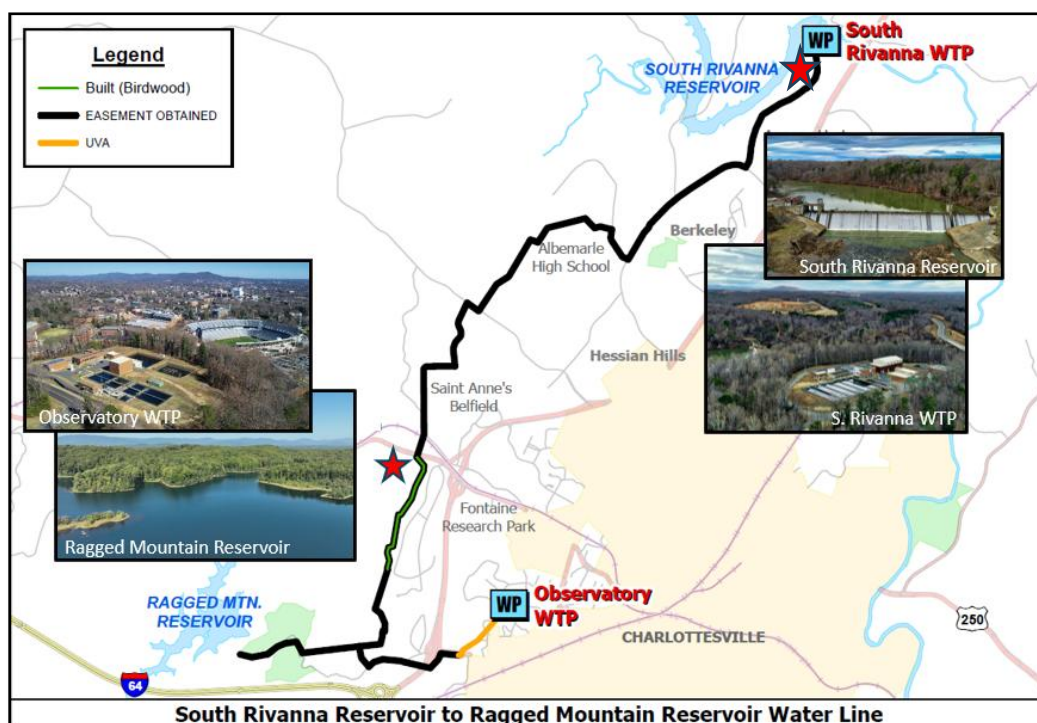


- **Urban Area “Central Water Line”**
 - Scope: Provide 24" and 36" ductile iron piping to more effectively distribute drinking water for the benefit of City and County residents and businesses. This five-mile-long piping project with two railroad crossings will extend from the Stadium Road area to the Long Street bridge near Pantops. The project will be completed in two concurrent phases of work, as shown by the map below, due to underground conflicts in E. High Street which delayed design of the piping in that area. Pipe installation is currently being completed under the railroad track and in Jefferson Park Ave. Information meetings are being held with communities along the alignment as construction approaches those areas.
 - Completion: November 2025 – December 2029
 - Cost: \$79 million: 52% ACSA / 48% City Utilities

Central Water Line Project



- South Rivanna Reservoir to Ragged Mountain Reservoir Pipe and Pump Station
 - Scope: Construct 6.5 miles of 36" ductile iron piping and one pump station to transfer untreated water between the South Rivanna and Ragged Mtn Reservoirs, as required by the community's drinking water supply plan. The new pipe will connect to an existing pipe near Birdwood GC and Rt. 250W. A new pump station and raw water intake structure will be completed at the South Rivanna Reservoir. This infrastructure will increase the water storage capacity of Ragged Mtn Reservoir from 1.4 to 2.1 billion gallons.
 - Completion: March 2026 – December 2030
 - Cost: \$107 million: 80% ACSA / 20% City Utilities



- Ragged Mtn Reservoir Water Level Increase

- Scope: Clear vegetation around the reservoir and complete minor modifications to the intake tower and dam to increase the normal pool level 12 feet and provide 700 million gallons of additional water storage in the reservoir.

The height of the dam will not be increased as it was built to the maximum elevation when constructed in 2014. The trails around the reservoir were also constructed above the maximum water elevation in 2014 and will not be significantly impacted by the project. Sections of the park and trails will be closed while trees and vegetation near the trails are being cleared. Upon completion of the project, water can be transferred to Ragged Mtn from Sugar Hollow Reservoir when there is 30 million gallons per day or more spilling from Sugar Hollow Reservoir until the new pipeline from S. Rivanna Reservoir is completed. A project information meeting was held in August 2025 with neighbors along Reservoir Road and others from the community.

- Completion: September 2025 - December 2026
- Cost: \$13 million: 80% ACSA / 20% City Utilities

- South Rivanna River Crossing

- Scope: Provide a second pipe (24" diameter; 1200 feet long) to convey treated drinking water under the river using trenchless technology. The second pipe will provide a redundant water supply and increase capacity to serve the northern area of the Urban Water System.

- Completion: January 2025 – September 2027
- Cost: \$6.5 million: 100% ACSA

- Red Hill Water Treatment Plant Upgrade

- Scope: Provide an additional building to contain water treatment equipment including a granular activated carbon filter.

- Completion: January 2025 – June 2027
- Cost: \$2 million: 100% ACSA, with partial grant from County

- Moore's Creek Administration Building Renovation and Addition

- Scope: Renovate the existing administration building constructed in the 1980's, including improvements to the Laboratory and Information Technology spaces. The project also includes an addition to provide spaces for a community education center and staff currently housed in trailers.

- Completion: August 2025 – December 2027
- Cost: \$29.6 million: 52% ACSA / 48% City Utilities

- Moore's Creek Structural and Concrete Rehabilitation

- Scope: Repair concrete basins and wastewater treatment facilities constructed in the late 1970's.

- Completion: May 2025 – May 2027
- Cost: \$15.5 million: 52% ACSA / 48% City Utilities

- Moore's Creek Upfits and Gravity Thickener Improvements
 - Scope: Renovate the Maintenance and Operations buildings and repair the sludge gravity thickener system and secondary clarifier influent valves.
 - Completion: May 2025 – May 2027
 - Cost: \$11.8 million: 52% ACSA / 48% City Utilities
- Crozet Wastewater Pump Stations Rehabilitation
 - Scope: Replace pumps, valves, and electrical gear in four pump stations constructed in the 1980's which convey wastewater from Crozet to the Moore's Creek Treatment Plant.
 - Completion: April 2026 – July 2027
 - Cost: \$12.3 million: 100% ACSA
- Crozet Water Treatment Plant GAC Expansion
 - Scope: Provide additional building space and equipment to increase the water treatment capacity of the granular activated carbon filter system from 1 to 2.7 million gallons per day.
 - Completion: March 2026 – May 2028
 - Budget: \$12 million: 100% ACSA with \$7 M VDH grant
- Glenmore Wastewater Treatment Plant Repairs
 - Scope: Replace treatment equipment which has reached the end of its service life.
 - Completion: June 2026 – August 2027
 - Budget: \$2 million: 100% ACSA

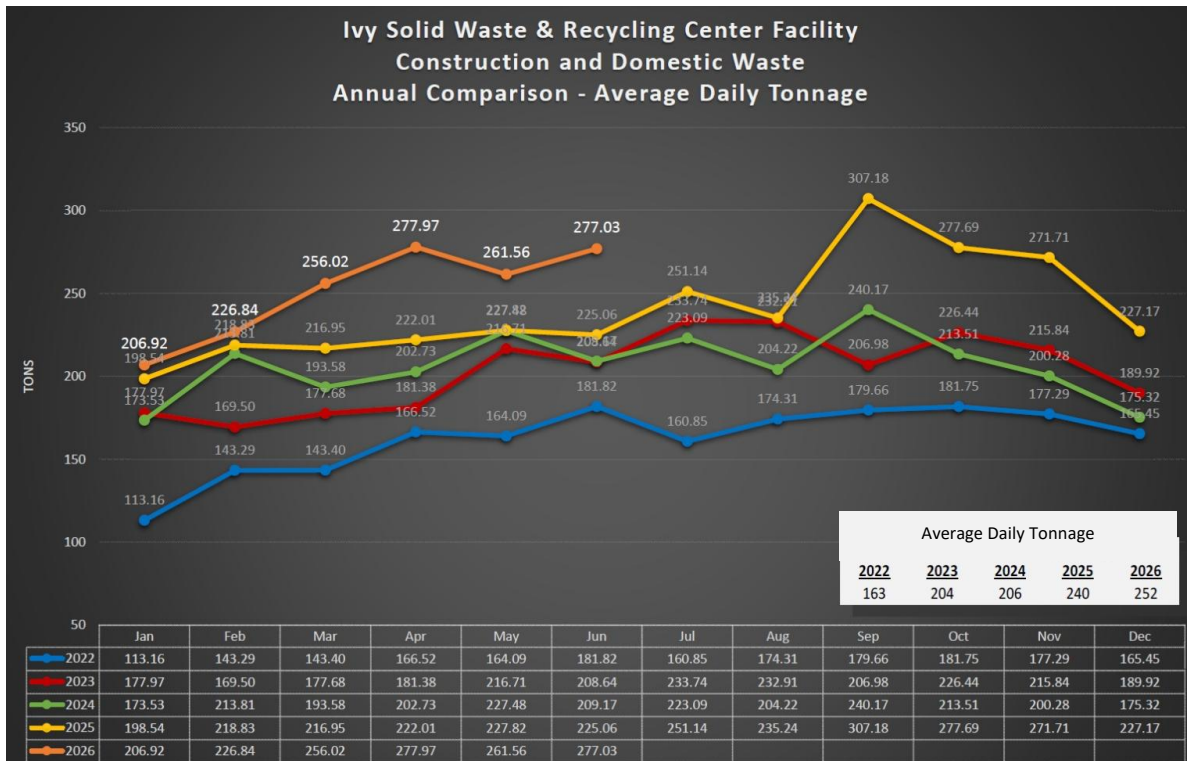
Construction will begin in 2027 - 2030 for the following major projects:

- Airport Rd Water Storage Tanks and Pumps
 - Scope: Provide one ground-level water storage tank along with larger pumps and larger emergency power generator.
 - Completion: February 2027 – March 2029
 - Cost: \$7.2 M: 99% ACSA w/ 10% of Tank by City Utilities
- Beaver Creek Pump Station and Piping Improvements
 - Scope: Replace the water pump station and piping which convey untreated water from the reservoir to the Crozet Water Treatment Plant.
 - Completion: March 2027 – December 2029
 - Cost: \$39 million: 100% ACSA
- Beaver Creek Reservoir Dam and Spillway Modifications
 - Scope: Replace the spillway to increase the volume of water the spillway can release from the reservoir during storm events to protect the dam.
 - Completion: January 2030 – December 2032
 - Cost: \$34 million: 100% ACSA with partial federal grant

- Dam Concrete and Steel Repairs
 - Scope: Repairs to the South Rivanna, Lickinghole Creek, Totier Creek, and Sugar Hollow concrete dams.
 - Completion: March 2027 – May 2028
 - Cost: \$2.8 M: 52% ACSA/ 48% City Utilities
- Woodburn, Pantops, and Observatory Water Tank Painting
 - Scope: Repairs and painting of water storage tanks.
 - Completion: March 2027 – June 2030
 - Cost: \$6.12 M: 52% ACSA/ 48% City Utilities
- S. Rivanna Water Treatment Plant Wastewater Piping
 - Scope: Construction of a wastewater pipe that will convey sludge from the treatment process to the sanitary sewer system in lieu of hauling sludge off site.
 - Completion: March 2028 – June 2029
 - Cost: \$1.1 M: 52% ACSA/ 48% City Utilities
- Dam Public Safety Improvements
 - Scope: Provide sirens, signage, boat barriers, and other public safety features downstream of Sugar Hollow, South Rivanna and Ragged Mtn Reservoir dams.
 - Completion: March 2027 – December 2028
 - Cost: \$3.85 M: 52% ACSA/ 48% City Utilities
- N. Rivanna River Crossing and Piping
 - Scope: Provide a second pipe to convey treated drinking water under the river using trenchless technology, as well as water piping along Rt 29 near the N. Rivanna River. The second pipe will provide a redundant water supply and increase capacity to serve the northern area of the Urban Water System.
 - Completion: September 2027 – December 2030
 - Cost: \$16.4 M: 100% ACSA
- Northern Convenience Center (RSWA)
 - Scope: Construct a recycling and bagged refuse disposal facility located in the Rt. 29N area.
 - Completion: September 2027 – June 2029
 - Cost: \$1.8 M: 100% County
- Upper Schenks Branch Wastewater Piping Replacement, Phase II
 - Scope: Replace sewer piping installed in the mid 1950's to increase system capacity in conjunction with the City's sewer upgrade program. The new piping will be located along McIntire Road between the McIntire Recycling Center and Preston Avenue.
 - Completion: TBD
 - Cost: \$10 - 15 million: 100% City Utilities

5. Transfers from the Ivy Solid Waste and Recycling Center:

Average daily refuse volume at the Ivy Transfer Station has increased from 182 tons per day in June 2022 to 277 tons per day in June 2026, as shown below. Our contract hauler is driving about 15 trailer loads of refuse to Henrico County for disposal each day, Monday – Friday.



6. RSWA Special Collection Days

Spring Special Collections at the ISWRC concluded in May with successful free special collections of electronic waste, household hazardous waste, furniture/mattresses, appliances, and tires. Our next special collection events will be held in September and October.

Electronic Waste			Albemarle	Charlottesville
Saturday			4/11/2026	
Customers			303	71

Household Hazardous Waste			Albemarle	Charlottesville
Friday			4/17/2026	
Customers			385	99
Saturday			4/18/2026	
Customers			420	93

Special Collections			Albemarle	Charlottesville
Furniture/Mattresses	- Pounds Collected		33,160	6,780
	Saturday	4/25/2026		
	Appliances	- Pounds Collected	19,180	4,210
		- Freon units Collected	167	52
Saturday			5/2/2026	
Tires	Participating Vehicles		184	19
	Saturday	5/9/2026		

7. Baling Facility – The Baling facility has been completed. We will have a Grand Opening event on July 23rd.



Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink, reading "W. I. Mawyer, Jr.".

William I. Mawyer, Jr., P.E.
Executive Director

cc: RSWA Board of Directors
RWSA Board of Directors