



RIVANNA SOLID WASTE AUTHORITY
RIVANNA WATER & SEWER AUTHORITY

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April 3, 2026

The Honorable Albemarle County Board of Supervisors
401 McIntire Road
Charlottesville, VA 22902

Re: Quarterly Update – April

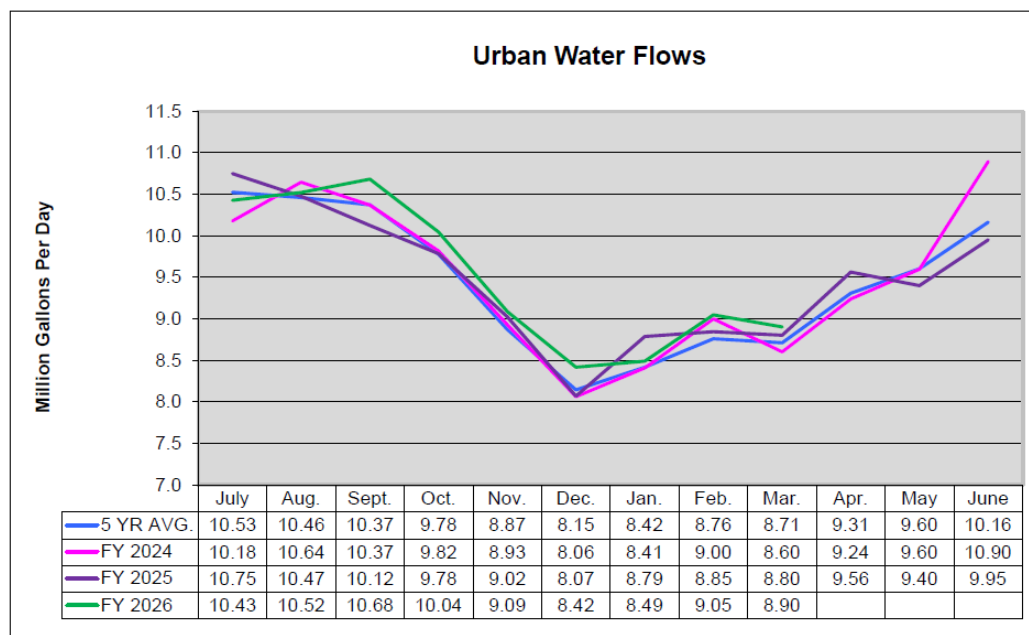
Supervisors:

This quarterly update is to provide general information on the 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 Albemarle/Charlottesville community, as follows:

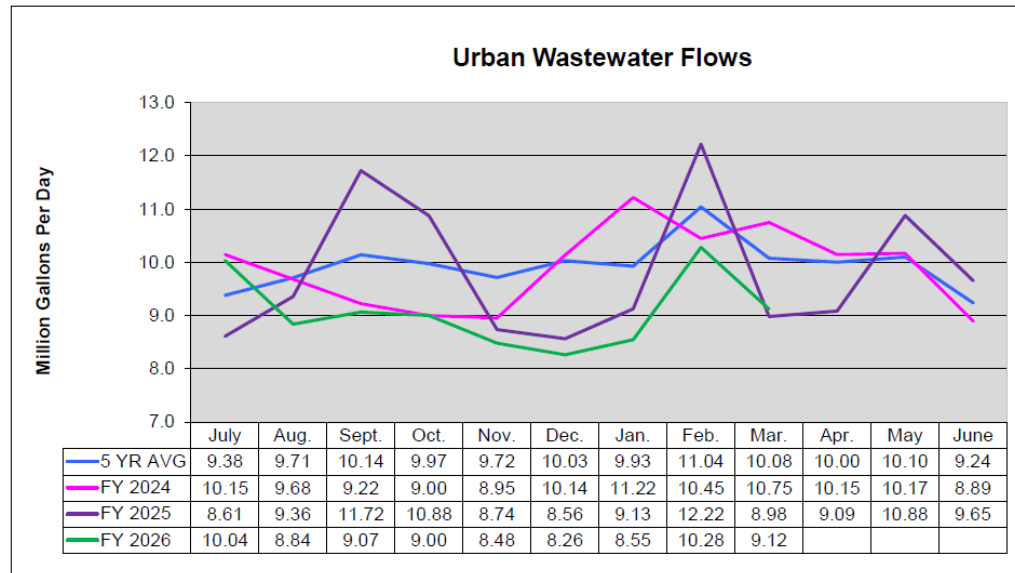
1. Drinking Water Supply:

- Our three Urban reservoirs (Sugar Hollow, South Rivanna, Ragged Mountain) are 98% full with a total storage capacity of about 1.4 billion gallons. Water demand in the Urban area (City and adjacent developed areas of the County) averaged about 9 million gallons per day (MGD) in March. We are monitoring our streams and reservoirs for any drought-like conditions.
- Beaver Creek Reservoir (Crozet) is 100% full with a total storage capacity of about 500 million gallons. Water demand in Crozet averaged 0.53 MGD in March.
- Totier Creek Reservoir (Scottsville) is 100% full with a total storage capacity of about 155 million gallons. Water demand in Scottsville averaged 0.06 MGD (60,000 gallons) in March.

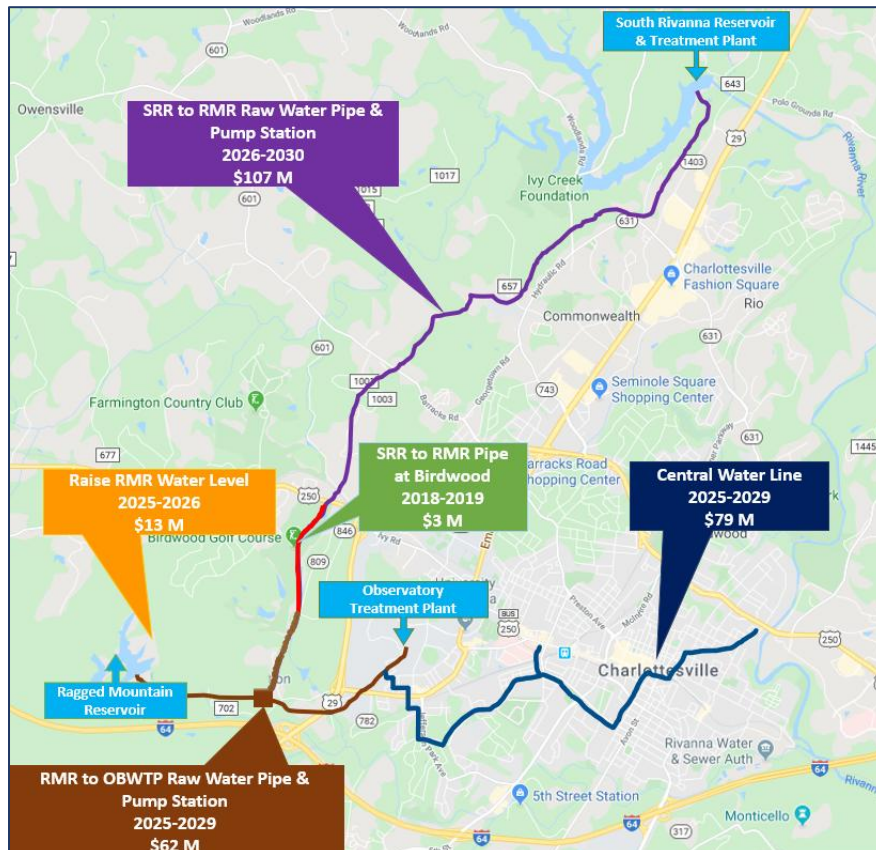
2. Production of drinking water for the Urban area averaged 8.90 MGD in March 2026 (FY 2026), which was higher than the five-year average for March (8.71 MGD) as shown by the following graph:



- Urban wastewater treatment for March 2026 (9.12 MGD), including flows from Crozet but not from Scottsville, was below the five-year average for March (10.08 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:



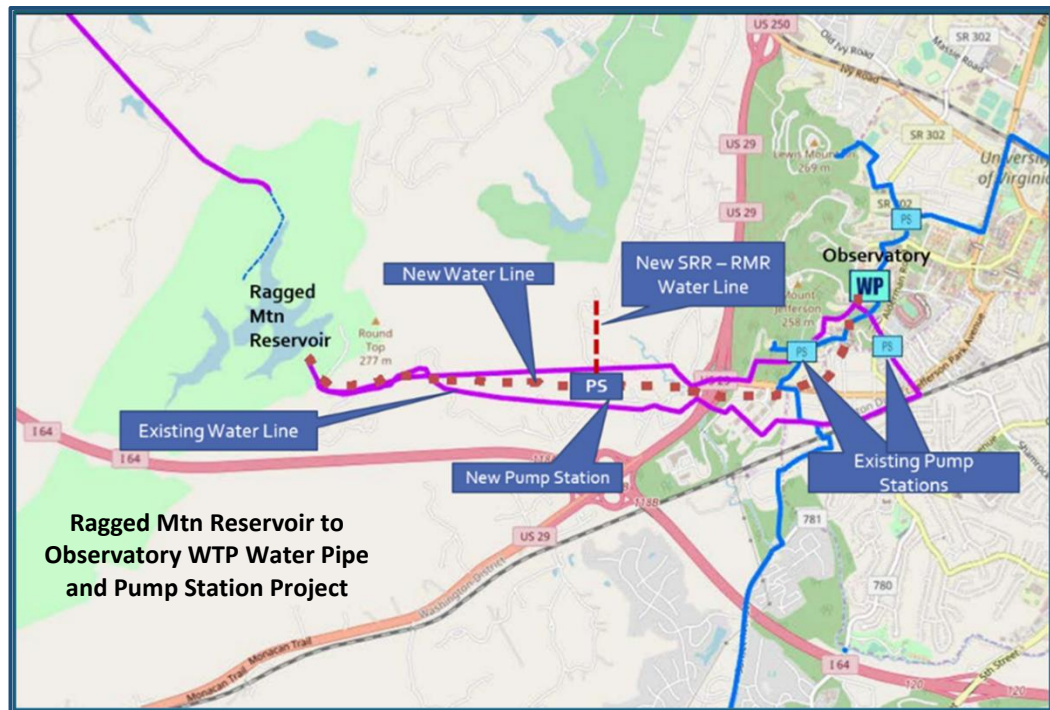
- A general overview of significant current and future drinking water, wastewater and solid waste Capital Improvement Projects is provided below. Cost allocations between the Charlottesville Department of Utilities (Utility funds) and the Albemarle County Service Authority (ACSA), are identified for 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 largest drinking water reservoir, as shown by the map below.



Construction is underway on the following major projects:

a. **Water Pipe and Pump Stations Replacement, Ragged Mtn Reservoir to Observatory Water Treatment Plant**

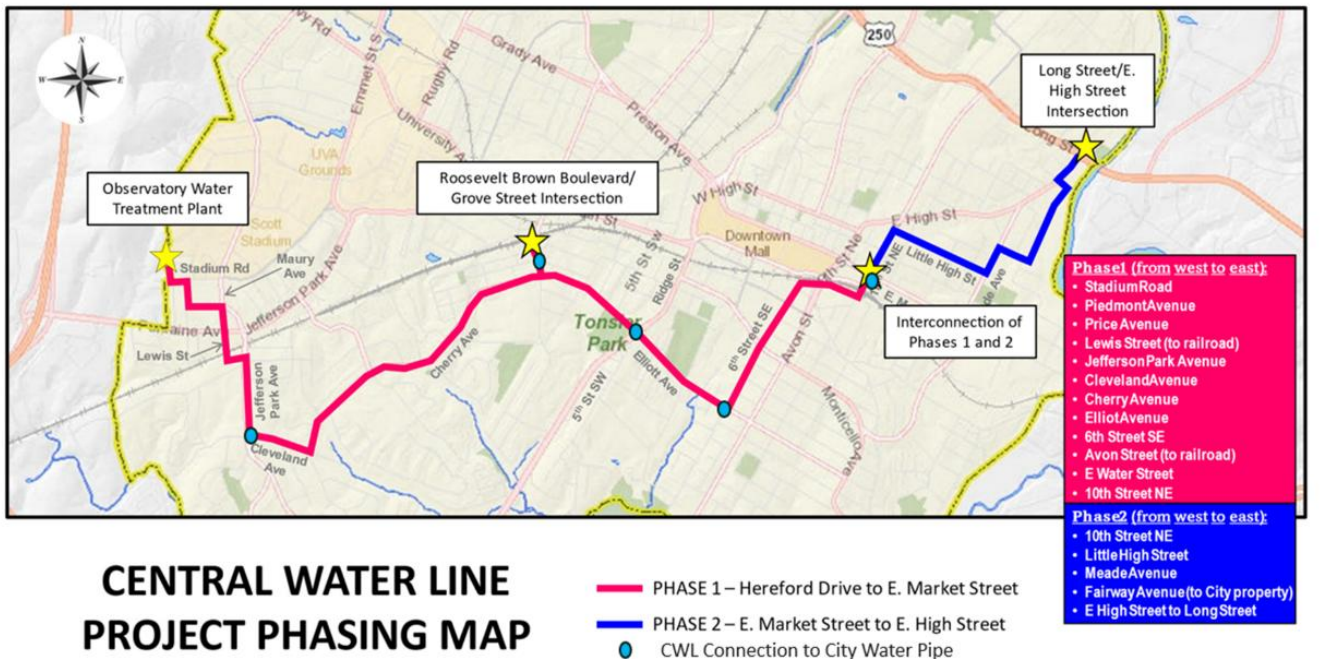
- Scope: Replace two water pipes and two water pumping stations with four miles of 36” ductile iron piping and one new water pumping station to convey untreated water from the Ragged Mtn Reservoir to the Observatory WTP. The existing facilities have reached the end of their service lives and require 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



b. **Urban Area “Central Water Line”**

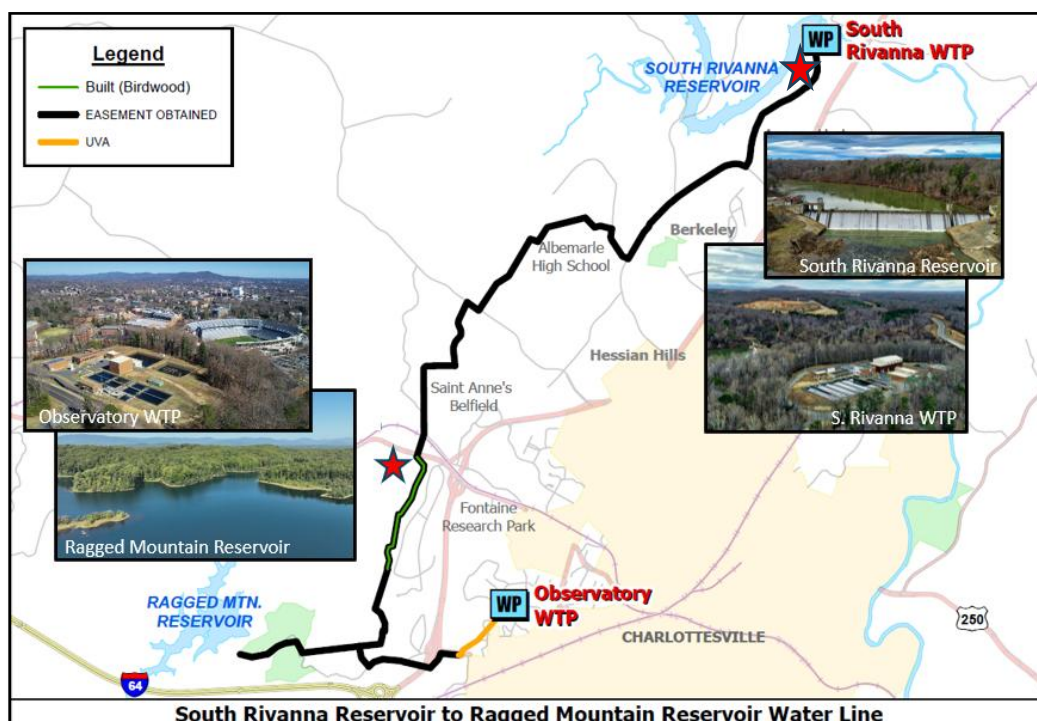
- Scope: Provide large diameter piping (24” and 36” ductile iron) to more effectively distribute drinking water for the benefit of City and County residents and businesses. This five-mile-long piping project with two railroad crossings will extend from the Stadium Road area to the Long Street bridge 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



c. South Rivanna Reservoir to Ragged Mountain Reservoir Pipe and Pump Station

- **Scope:** Construct a 6.5 mile long, large diameter pipe (36" ductile iron) and 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 water storage capacity of the Ragged Mtn Reservoir from 1.4 to 2.1 billion gallons.
- **Completion:** March 2026 – December 2030
- **Cost:** \$107 million: 80% ACSA / 20% City Utilities



d. Ragged Mtn Reservoir Water Level Increase

- Scope: Clearing of vegetation around the reservoir and minor modifications to the intake tower to increase the normal pool level 12 feet and provide 700 million gallons of additional water storage capacity 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 vegetation clearing, water will be transferred to Ragged Mtn from Sugar Hollow Reservoir when there is 30 million gallons per day or more spilling out of 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

e. 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 – January 2027
- Cost: \$6.5 million: 100% ACSA

f. Red Hill Water Treatment Plant Upgrade

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

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

g. Baling Facility, Ivy Solid Waste and Recycling Center

- Scope: Replace the existing recycling materials baling facility which is located on leased property and has exceeded its service life. The new facility will include equipment to compress cardboard, mixed paper, and plastic products into separate bales before shipment to a receiving vendor.

- Completion: May 2025 – July 2026
- Cost: \$6.4 million: 70% Albemarle County / 30% City

h. 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 a building addition to provide spaces for a community education area and staff currently housed in temporary trailers, as well as future staffing.

- Completion: August 2025 – December 2027
- Cost: \$28 million: 52% ACSA / 48% City Utilities

- i. Moore's Creek Structural and Concrete Rehabilitation
 - Scope: Repair of 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
- j. 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
- k. 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
- l. 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

Construction will begin in 2026 for the following major projects:

- m. 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
- n. 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: September 2026 – June 2029
 - Cost: \$39 million: 100% ACSA

Construction is anticipated in 2027 - 2030 for the following major projects:

o. Upper Schenks Branch Wastewater Piping Replacement, Phase II

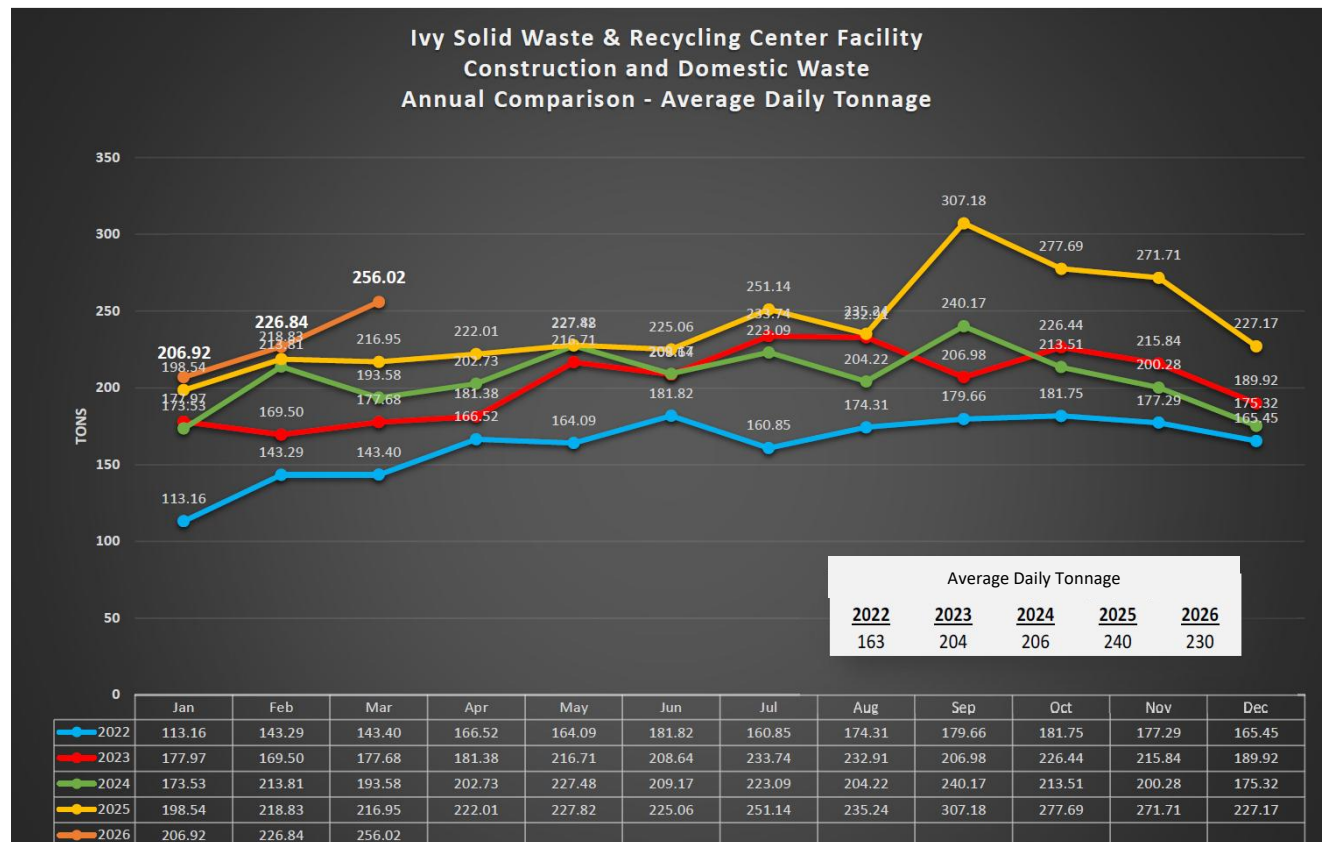
- Scope: Replace sewer piping installed in the mid 1950's to increase system capacity in conjunction with the City's sewer upgrade program. The new piping will be located along McIntire Road between the McIntire Recycling Center and Preston Avenue.
- Completion: TBD
- Cost: \$10 - 15 million: 100% City Utilities

p. Beaver Creek Reservoir Dam and Spillway Modifications

- Scope: Replace the spillway to increase the volume of water the spillway can release from the reservoir to protect the dam.
- Completion: January 2029 – June 2031
- Cost: \$34 million: 100% ACSA with partial federal grant

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

Average daily refuse volume at the Ivy Transfer Station has increased from 143 tons per day in March 2022 to 256 tons per day in March 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

The Ivy SWRC will host Spring Special Collections on the following dates in April and May:



Spring 2026 Special Collection Days
at Ivy Solid Waste & Recycling Center
4576 Dick Woods Road, Charlottesville
for Albemarle County & Charlottesville Residents

Household Hazardous Waste
Friday, April 17th 9am – 3pm
Saturday, April 18th 9am – 3pm

Special Collection Days
Saturday, April 25th 8:30am – 4pm
Furniture/Mattresses

Saturday, May 2nd 8:30am – 4pm
Household Appliances

Saturday, May 9th 8:30am – 4pm
Tires

More information: www.rivannasolidwaste.org/events

Brought to you by the County of Albemarle, City of Charlottesville, and RSWA
Working to Protect and Improve Our Environment!

Please let me know if you have any questions.

Sincerely,



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

cc: RSWA Board of Directors
RWSA Board of Directors