

Drinking Water/Wastewater and Refuse /Recycling Programs Update



Ragged Mountain Reservoir

FOR THE CHARLOTTESVILLE CITY COUNCIL

BY BILL MAWYER, EXECUTIVE DIRECTOR

JANUARY 17, 2023



Rivanna Water and Sewer Authority Overview

- Created in 1972 by joint action of the Charlottesville City Council and Albemarle County Board of Supervisors to acquire, finance, design, construct, operate, and maintain facilities to impound and treat drinking water and wastewater for the public utility customers of the City and the County (ACSA)
- Under direction of a 7-member Board of Directors: 3 City, 3 County, 1 jointly appointed member
 - Charlottesville City Manager
 - Charlottesville City Councilor
 - Charlottesville Director of Utilities
 - Albemarle County Executive
 - Albemarle Board of Supervisors Member
 - Executive Director of the ACSA
 - Chair – Jointly Appointed Resident
- FY 23: 96 Full-time Employees; \$42 M Operating Budget; \$205 M 5-year Capital Improvement Budget

RWSA provides Wholesale Drinking Water and Wastewater Treatment for Two Customers

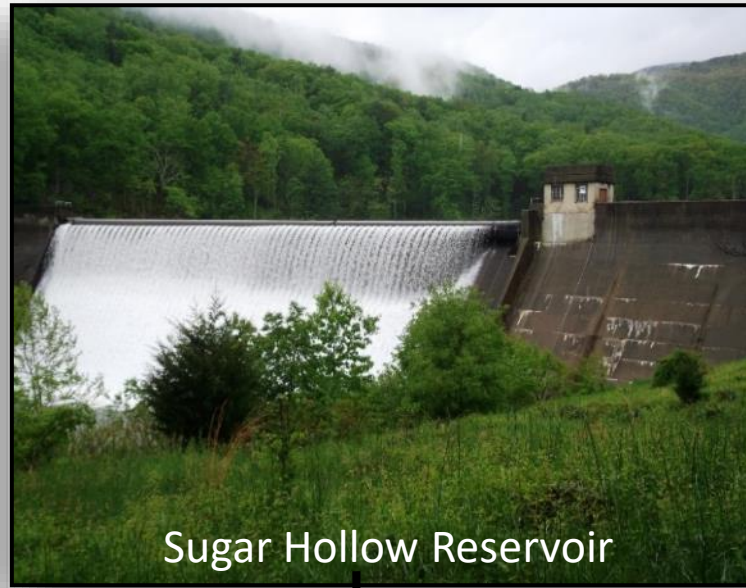
City of Charlottesville Department of Utilities

Albemarle County Service Authority





South Fork Rivanna Reservoir



Sugar Hollow Reservoir



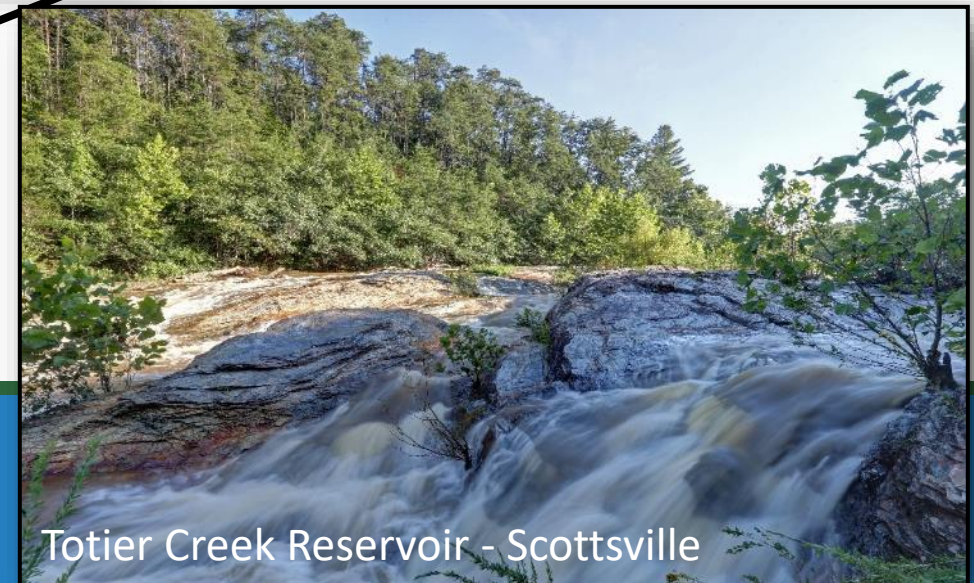
Ragged Mountain Reservoir



Beaver Creek Reservoir - Crozet

Urban
Area

3.3 Billion Gallons

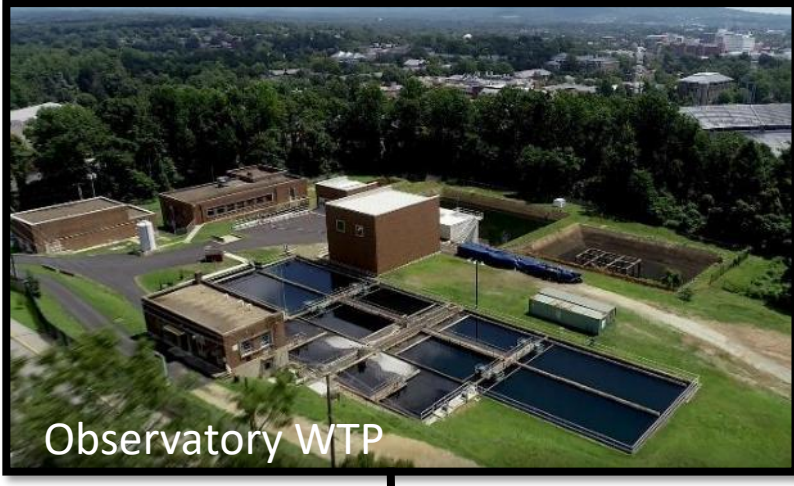


Totier Creek Reservoir - Scottsville

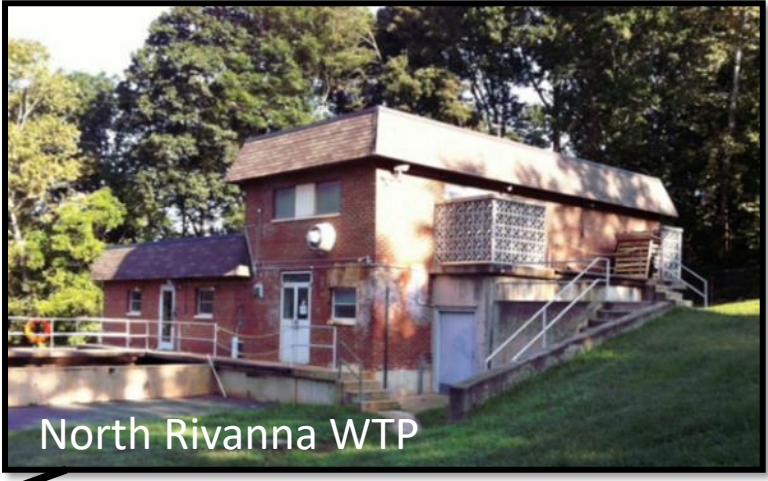
5 Water Supply Reservoirs



South Rivanna WTP



Observatory WTP



North Rivanna WTP

Urban Area



Scottsville WTP



Red Hill WTP



Crozet WTP

6 Water Treatment Plants



Moores Creek AWRRF
Urban Area WWTP



Scottsville WWTP



Stone Robinson WWTP

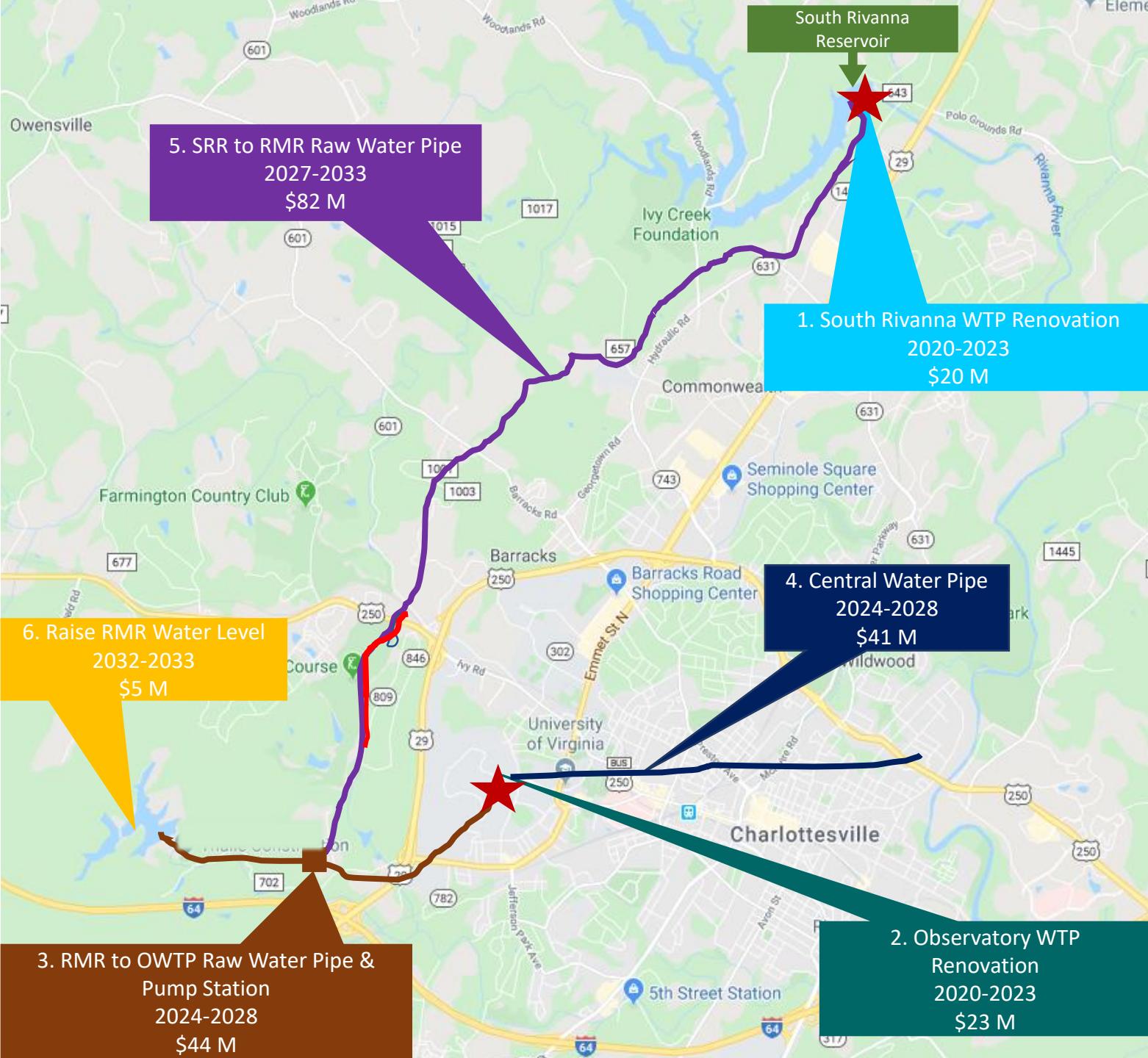


Glenmore WWTP

4 Wastewater Treatment Plants

Water Supply Projects Plan

(Dec 2, 2022)



1. SR WTP Renovation 2020-2023	\$20 M
2. OB WTP Renovation 2020-2023	\$23 M
3. RMR to OB WTP Raw Water Pipe & Pump Station 2024-2028	\$44 M
4. Central Water Line 2024-2028	\$41 M
5. SRR to RMR Raw Water Pipe 2027-2033	\$82 M
6. Raise RMR Water Level 2032-2033	\$5 M
City: \$79 M ACSA: \$136 M	\$215 M

Rivanna Solid Waste Authority Overview

- Created in 1990 by joint action of the Charlottesville City Council and Albemarle County Board of Supervisors to acquire, finance, design, construct, operate, and maintain facilities to maintain a regional refuse disposal system in compliance with regulatory mandates for reduction, recycling and disposal of solid waste.
- Under direction of a 7-member Board of Directors: 3 City, 3 County, 1 jointly appointed member
 - Charlottesville City Manager
 - Charlottesville City Councilor
 - Charlottesville Director of Public Works
 - Albemarle County Executive
 - Albemarle Board of Supervisors Member
 - Albemarle Director of Facilities and Environmental Services
 - Chair – Jointly Appointed Resident
- Manage the Ivy Material Utilization Center, McIntire Recycling Center, and Paper Sort baling facility (Meade Ave)
- FY 22: 92 M pounds of refuse transferred, 20 M pounds of waste diverted for reuse or recycling
- FY 23: 24 Full-time Employees; \$6.8 M Operating Budget

Services we provide for our community



Recycling



Post-landfill closure care



Refuse Disposal



Paint Collection



Fall and Spring HHW and Bulky Waste Days

Amnesty Events at the Ivy MUC



1. eWaste Collection

- Saturday, April 15, 2023
- Reservations Required

2. Commercial Household Hazardous Waste Collection

- Thursday, April 20, 2023
- By appointment

3. Spring Residential HHW Collection

- Friday and Saturday, April 21 -22, 2023

4. Spring Bulky Waste Amnesty Days

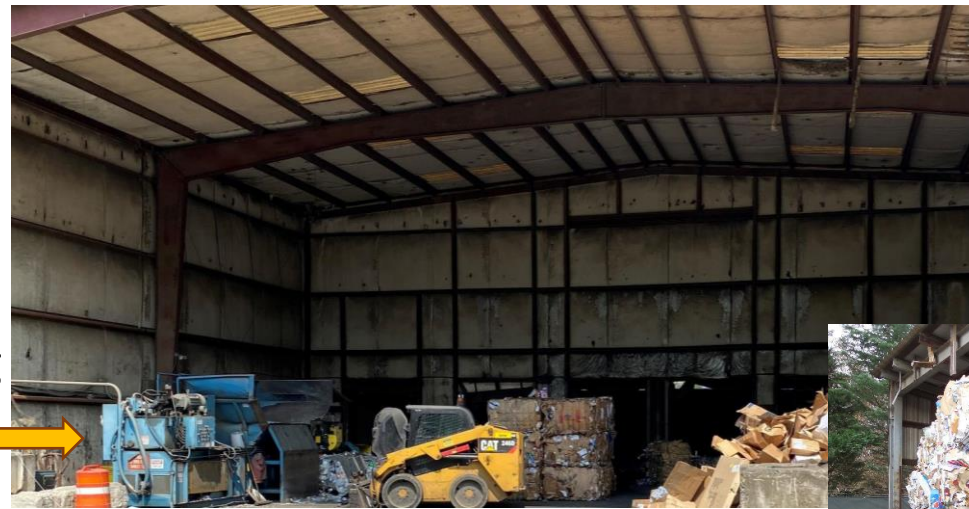
- Furniture/Mattresses: April 29, 2023
- Appliances: May 6, 2023
- Tires: May 13, 2023

New Recycling Materials Baling Facility

Cost: \$6.4 M

Completion: 2024-2026

Existing Baling Machine



Existing Baling Facility



Questions?

