Meeting with the Community
to Review the
South Rivanna Reservoir to Ragged Mountain Reservoir
Water Line Project

A Component of the Community Water Supply Plan

Bill Mawyer, Executive Director
June 19, 2018
Rivanna Water and Sewer Authority Charter

• Created in 1973 by joint action of Albemarle County Board of Supervisors and Charlottesville City Council to acquire, finance, construct, operate, and maintain facilities to impound and treat drinking water and wastewater for the County and the City

• Under direction of a 7-member Board of Directors: 3 County, 3 City, 1 joint member
RWSA provides Wholesale Drinking Water and Wastewater Treatment for Two Customers

- Albemarle County Service Authority (ACSA)
- City of Charlottesville Public Utilities
Drinking Water Reservoirs

South Fork Rivanna Reservoir
Sugar Hollow Reservoir
Ragged Mountain Reservoir
Beaver Creek Reservoir
Totier Creek Reservoir
Water Treatment Plants

South Rivanna WTP

North Rivanna WTP

Crozet WTP

Scottsville WTP
Wastewater Treatment Facilities

- Moore’s Creek Advanced Water Resource Recovery Facility (pictured)
- Scottsville
- Glenmore
- Stone Robinson Elementary School
Community Water Supply Plan Overview

• Charlottesville/Albemarle experienced a historical drought from June 2001 – Nov. 2002. Mandatory water restrictions were implemented. Planning began to increase the community’s water supply.

• The Ragged Mountain Dam Project Agreement was completed in 2012 between the City, ACSA, and RWSA. It includes:
  • An earthen dam at the Ragged Mountain Reservoir (RMR); Completed 2014
  • A Water Line from South Rivanna Reservoir (SRR) – Ragged Mountain Reservoir (RMR)
  • Modifications to raise the RMR water level an additional 12 feet when community water demand equals 85% of the available water capacity.
Project Location
Project Details

• 36 inch raw water line, 9 miles long, 25 MGD capacity
• Intake structure in the South Rivanna Reservoir
• 1 raw water pump station
• Pretreatment Facility at the South Rivanna Water Treatment Plant
• Close Sugar Hollow Reservoir water line
Budget & Schedule

- SRR – RMR Water Line, Intake, PS, Pretreatment $80 M

- 8 years for project completion
  - To begin between 2027 and 2032, with completion between 2035 and 2040
Questions?
Project Contacts

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