



**Rivanna Water & Sewer Authority**  
**Rivanna Solid Waste Authority**  
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## **MEMORANDUM**

**TO: THE HONORABLE ALBEMARLE COUNTY BOARD OF SUPERVISORS**

**FROM: BILL MAWYER, EXECUTIVE DIRECTOR  
RIVANNA WATER & SEWER AUTHORITY  
RIVANNA SOLID WASTE AUTHORITY**

**SUBJECT: QUARTERLY UPDATE**

**DATE: JULY 5, 2017**

This quarterly update is to provide information on drinking water, wastewater and solid waste projects currently in the planning, design or construction phases for the Rivanna Authorities. A general overview of the current and upcoming Capital Improvement Projects (CIP) follows:

**1. Odor Reductions at Moores Creek Wastewater Plant**

Scope: Provide two clarifier covers, one air scrubber, wastewater containment pipe, and chemical neutralizers.

Status: Clarifier covers and chemical neutralizers have reduced odor levels. Construction of permanent facilities continues.

Completion: January 2018

Cost: \$10 million

**2. Rivanna Wastewater Pump Station**

Scope: Replace existing pump station and increase wastewater pumping capacity from 25 to 53 million gallons per day.

Completion: July 2017

Cost: \$32 million

**3. Granular Activated Carbon Facilities**

Scope: Add GAC contactors at all five water treatment plants to minimize disinfection byproducts in our drinking water.

Completion: December 2017

Cost: \$29 million

**4. Water Treatment Plant Improvements**

Scope: Replace equipment which has reached end-of-service life at the South Rivanna, Observatory, and Crozet Water Treatment Plants.

Completion: 2019-2022

Cost: \$20 million

5. Crozet Finished Water Pump Station  
Scope: Replace existing pump station and increase capacity from 1 to 1.5 MGD.  
Completion: May 2017- September 2018  
Cost: \$2.6 million
6. Crozet Flow Equalization Tank  
Scope: Provide a 700,000 gallon wastewater tank to store peak wet weather flows.  
Completion: 2019-2020  
Cost: \$3.7 million
7. Drinking Water Infrastructure Plan, Crozet Area  
Scope: This study will review historical water usage and estimated growth projections to forecast water demands and infrastructure requirements to serve the Crozet area for the next 50 years. A public meeting was held with the Crozet Community Advisory Committee on June 15, 2017 to review this project.  
Completion: Fall 2018  
Cost: \$270,000
8. South Fork Rivanna to Ragged Mountain Reservoir Pipeline Right-of-Way  
Scope: Determine alignment and acquire rights-of-way for a pipeline to transfer raw water between the South Rivanna Reservoir and the Ragged Mountain Reservoir, as set forth by the community water supply plan.  
Completion: 2017-2022  
Cost: \$2.3 million
9. Rt. 29 Water Pumping Station  
Scope: Provide a water pumping station and two ground-level water storage tanks near the future intersection of Meeting Street and Airport Road. These water facilities will enhance our ability to meet growing water demands in the area generally north of Hollymead Town Center.  
Completion: 2021 -2022  
Cost: \$6,000,000
10. Avon Street to Pantops Water Main  
Scope: Provide a drinking water main between water storage tanks located on Pantops and Avon Street to improve hydraulic connectivity between the two tanks.  
Completion: 2020-2023  
Cost: \$13 million
11. Replace Ivy Transfer Station  
Scope: Provide an 11,600 sq. ft. municipal waste transfer station and demolish the existing transfer station.  
Construction: September 2017- December 2018  
Cost: \$2.5 million

Please let me know if you have any questions. I will be glad to provide additional information.

cc: RSWA Board of Directors  
RWSA Board of Directors