



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: APRIL 5, 2017

This quarterly update is to provide information on water and wastewater projects currently under construction or scheduled to begin the planning process this year for the Rivanna Authorities. Please let your staff know that if you have any follow-up questions, I will be happy to provide additional information. 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: Chemical neutralizers have reduced odor levels. Construction of permanent facilities continues.
Final Completion: January 2018
Cost: \$9.8 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: June 2017
Cost: \$33 million
3. Granular Activated Carbon Facilities
Scope: Add GAC contactors at all five water treatment plants to remove disinfection byproducts from drinking water.
Completion: December 2017
Cost: \$30 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.
Construction: 2019-2021

Cost: \$20 million

5. Crozet Finished Water Pump Station

Scope: Replace existing pump station and increase capacity from 1 to 1.5 MGD.

Construction: 2017-2018

Cost: \$2.6 million

6. Crozet Flow Equalization Tank

Scope: Provide a 700,000 gallon wastewater tank to store peak wet weather flows.

Construction: 2019-2020

Cost: \$3.7 million

7. Crozet Water Master Plan

Scope: The master plan will provide a detailed plan of action for improving and expanding the drinking water system in the Crozet service area for the next 50 years.

Completion: 2017- 2018

Cost: \$300,000

8. South Fork Rivanna to Ragged Mountain Reservoir Pipeline Right-of-Way

Scope: Determine alignment and acquire rights-of-way for pipeline to transfer raw water from South Rivanna Reservoir to Ragged Mountain Reservoir as set forth by the community water supply plan.

Completion: 2017-2022

Cost: \$2.3 million

9. Sugar Hollow Dam Crest Gate Replacement

Scope: Replace inflatable rubber gate which is attached to the top of the concrete dam and controls water levels in the reservoir during extreme storm events.

Completion: 2017-2018

Cost: \$150,000

10. Replace Ivy Transfer Station

Scope: Provide an 11,600 sq. ft. waste transfer station and demolish the existing transfer station.

Construction: 2017-2018

Cost: \$2.5 million

cc: RSWA Board of Directors
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