



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 2018

This quarterly update is to provide information on our urban water supply strategy, as well as information on our drinking water, wastewater and solid waste projects currently in the planning, design or construction phases. 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: Construction of permanent facilities is substantially complete. New clarifier covers and chemical neutralizers have reduced odor levels.

Completion: March 2018

Cost: \$10 million

2. Granular Activated Carbon Facilities

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

Completion: April 2018: Scottsville was completed in February 2018. Crozet and N. Rivanna systems will be completed in March. S. Rivanna and Observatory systems will be completed in late April.

Cost: \$29 million

3. Water Treatment Plant Improvements

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

Completion: 2017-2022

Cost: \$25 million

4. 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

5. Crozet Flow Equalization Tank

Scope: Provide a one million gallon wastewater tank to store peak wet weather flows which infiltrate the sewer system.

Completion: 2019-2020

Cost: \$3.3 million

6. 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. An update meeting with the Crozet Community Advisory Committee is scheduled for June 20, 2018.

Completion: Fall 2018

Cost: \$270,000

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

Scope: Determine alignment and acquire right-of-way permits or easements for a pipeline and pumping station to transfer raw (untreated) water between the South Rivanna Reservoir and the Ragged Mountain Reservoir, as set forth by the Community Water Supply Plan.

Completion: 2017-2021

Cost: \$2.3 million

8. 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: \$2.3 million

9. Avon Street to Pantops Water Main

Scope: Provide a drinking water main between Avon Street and the Pantops area to improve water pressure in this section of the urban water system.

Completion: 2020-2022

Cost: \$13 million

10. Replace Ivy Transfer Station

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

Construction: September 2017- September 2018

Cost: \$3 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