



RIVANNA SOLID WASTE AUTHORITY
RIVANNA WATER & SEWER 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: JANUARY 2020

This quarterly update is to provide information on our drinking water and wastewater projects currently in the planning, design or construction phases, as well as an update on our solid waste programs, as follows:

1. Crozet Water Treatment Plant Improvements

Scope: Replace equipment which has reached end-of-service life, and increase water treatment capacity from 1 to 2 million gallons per day.

Completion: 2018 - 2021

Cost: \$8.5 million

2. Crozet Flow Equalization Tank

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

Completion: April 2020 – September 2021

Cost: \$4.9 million

3. Scottsville Water Treatment Plant – Finished Water Meter Improvements

Scope: Provide a meter to record treated water flows out of the water treatment plant.

Completion: November 2019 – February 2020

Cost: \$145,000

4. Water Treatment Plant Improvements

Scope: Replace equipment which has reached end-of-service life at the South Rivanna and Observatory Water Treatment Plants. Increase water treatment capacity from 7.7 to 10 million gallons per day at the Observatory Water Treatment Plant.

Completion: March 2020 – March 2023

Cost: \$40.5 million

5. Sugar Hollow Dam – Rubber Crest Gate Replacement and Intake Tower Repairs

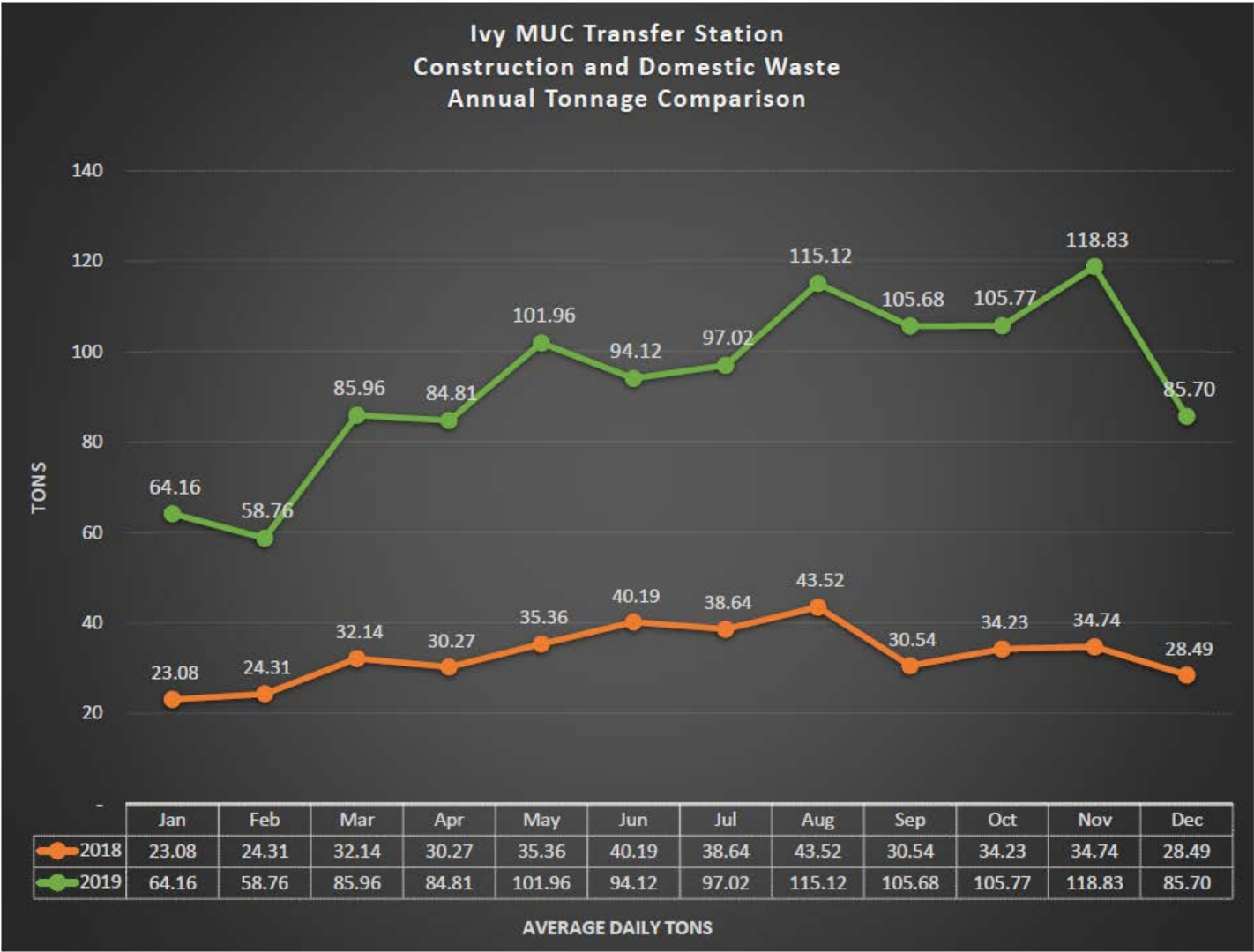
Scope: Replace the inflatable rubber device that sits on top of the concrete dam and regulates the normal water level in the reservoir. The gate is over 20 years old, and has reached the end of its service life. Concrete repairs will be completed on the intake tower.

Completion: spring – fall 2021

Cost: \$1.1 million

6. South Fork Rivanna to Ragged Mountain Reservoir Pipeline Right-of-Way Acquisition
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. Acquisition efforts continue. Offers have been made to nine of 11 private property owners, with one acceptance. Documents are also being prepared for three public property owners (VDOT, City, County School Board).
Completion: 2017 - 2021
Cost: \$2.3 million
7. Urban Water Demand and Safe Yield Study
Scope: Assess the capacity of the Urban water supply reservoirs as well as the community's future water demand to ensure our long-term water supply is adequate, as required by the Ragged Mountain Dam Agreement.
Completion: February 2020
Cost: \$154,000
8. Rt. 29 Water Pumping Station
Scope: Provide a water pumping station located near the future intersection of Meeting Street and Airport Road to improve the reliability of the Urban Water System.
Completion: 2021 - 2022
Cost: \$2.3 million
9. Beaver Creek Dam and Pump Station Modifications
Scope: Provide modifications to the dam to control the flow of water across the spillway during major storm events, as required by new Dam Safety Regulations. Replace the existing raw water pumping station.
Completion: 2023 – 2026
Cost: \$23 million
10. Upper Schenks Branch Wastewater Piping Replacement
Scope: Replace sewer piping installed in the mid 1950's in conjunction with the City's sewer upgrade program to increase system capacity. The new underground piping will be located near McIntire Road. Exploration for information on underground rock has been completed, and the final pipe alignment is under review.
Completion: TBD
Cost: \$4 million
11. Recycling Convenience Center, Ivy Material Utilization Center
Scope: Provide recycling facilities including a paved access road, gates and 10 containers.
Completion: March – June 2020
Cost: \$350,000

12. Refuse volume at the Ivy Transfer Station has increased from 28 tons per day in December 2018 to 85 tons per day in December 2019, as shown below:



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