

Fiscal Year 2019-2020

Budget Proposal



Board of Directors

March 26, 2019

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RIVANNA WATER & SEWER AUTHORITY

FY 2020 Proposed Budget

Prepared: March 19, 2019

Adopted: DRAFT 8

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Budget Highlights

***- Executive Summary Narrative
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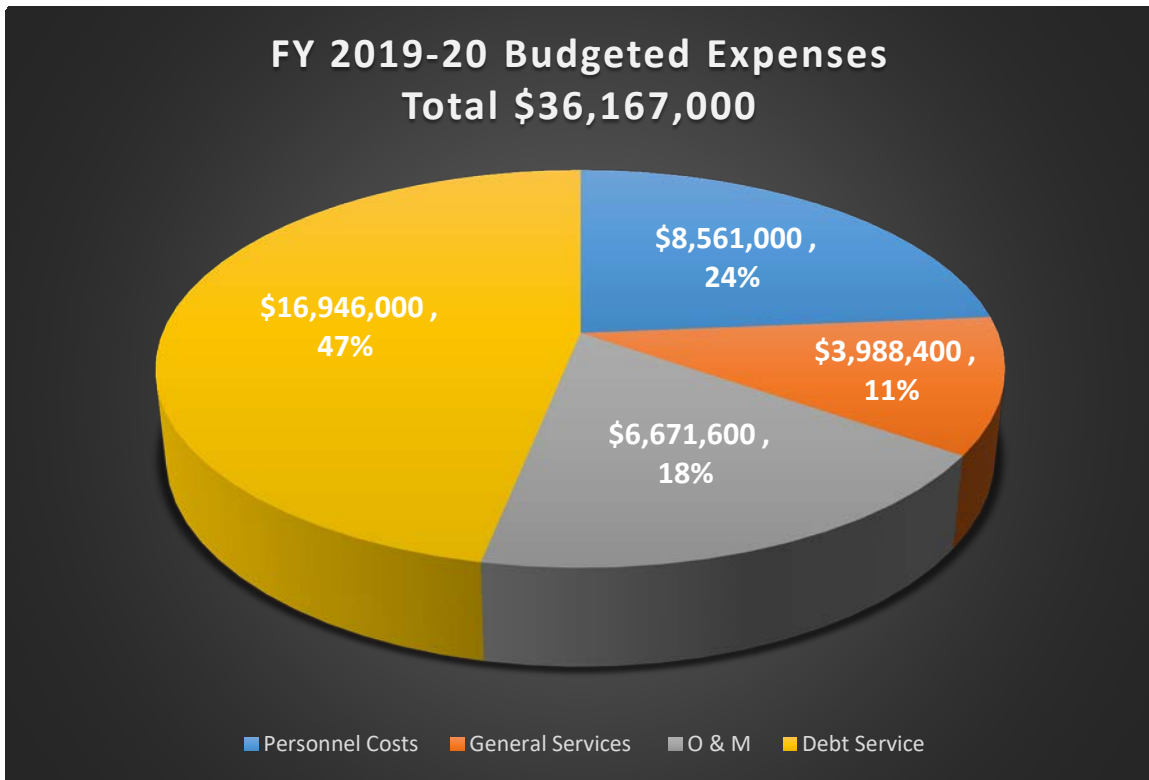
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**Rivanna Water and Sewer Authority
Proposed
FY 2019-2020 Budget**

Budget Overview

The Rivanna Water and Sewer Authority provides wholesale drinking water and wastewater treatment services for the City of Charlottesville and the Albemarle County Service Authority (ACSA). An FY 2019-2020 budget of \$36,167,000 is proposed to strategically provide these water and wastewater services in a financially responsible manner for our customers and the community. The FY 2019-2020 budget proposes an increase of \$1.72 million in Operating expenses and an increase of \$1.17 million in Debt Service charges for a total budget increase of \$2.89 million, or 8.68% above the FY 2018-2019 budget. Annual charges for the City are proposed to increase 3.4% (\$491,200), and 9% (\$1,511,600) for the ACSA.

The proposed budget includes \$19,221,000 for Operating expenses and \$16,946,000 for Debt Service charges. Operating expenses include Personnel costs (staff salaries and benefits), General Services costs (professional fees, utilities, insurance, permits, and data and voice communications), and Operation and Maintenance costs (chemicals, building repairs, equipment maintenance, and technology). Debt Service charges represent 47% of our budget, and provide funding to construct and renew our major infrastructure including water and wastewater treatment plants, pumping stations, piping systems and reservoir facilities.



In the Urban Rate Centers, Operating rates are proposed to increase:

- \$0.025 per 1000 gallons (1.2%) for water
- \$0.223 per 1000 gallons (10.39%) for wastewater

Debt Service charges for the City are proposed to:

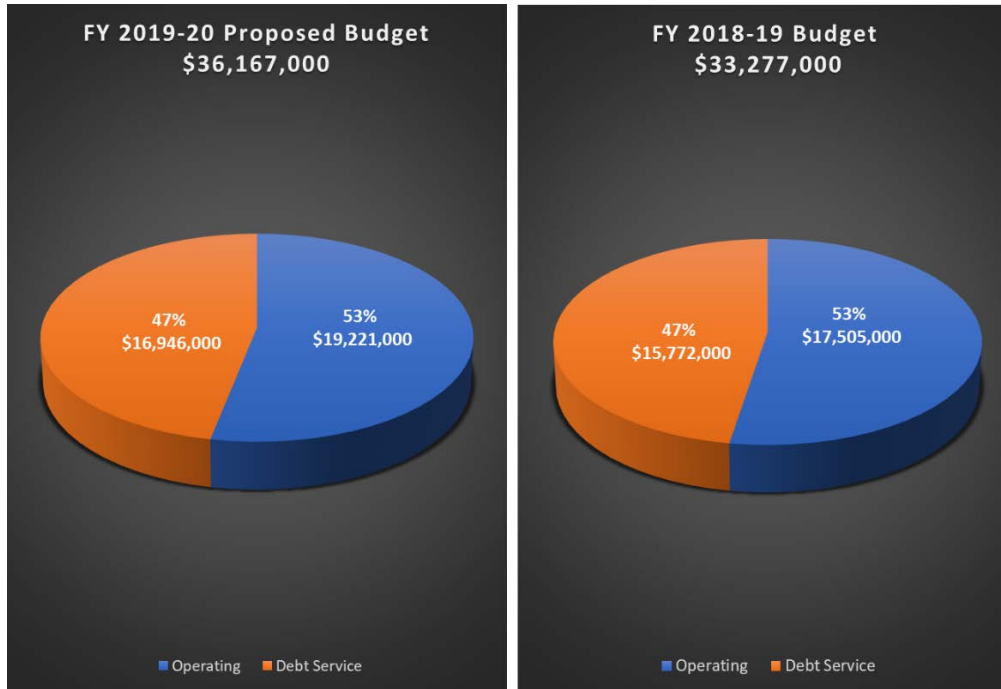
- Increase 6.95 % for water
- Decrease 0.16 % for wastewater

**Rivanna Water and Sewer Authority
Proposed
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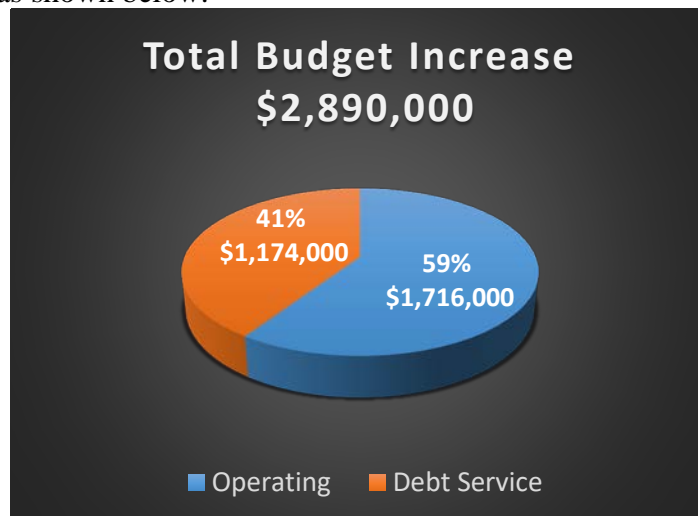
Debt Service charges for the ACSA are proposed to increase:

- 4.46 % for water
- 12.94 % for wastewater
- 14.73% as a composite Operating and Debt Service increase for water and wastewater services in the Non-Urban Rate Centers.

Overall, annual charges for the City are proposed to increase 3.4% (\$491,200), and 9 % (\$1,511,600) for the ACSA. A comparison of the FY 2019-2020 budget with the FY 2018-2019 budget is shown below:



The FY 2019-2020 budget proposes an increase of \$1.72 million in Operating expenses and an increase of \$1.17 million in Debt Service charges for a total budget increase of \$2.89 million, or 8.68% above the FY 2018-2019 budget, as shown below:



Rivanna Water and Sewer Authority
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Proposed budget increases will support existing and planned water and wastewater programs to effectively address the regulatory and service requirements of our growing community. A brief description of those programs follows:

1. Strategic Plan Implementation

This budget supports the implementation of our six Strategic Goals. It continues our efforts to attract, retain and reward exceptional employees, while providing essential enhancements to our safety program. Operational optimization and dependable infrastructure are also fundamental aspects of this budget.

2. Granular Activated Carbon (GAC) Filter Operations

Our recently completed GAC systems have been doing a great job removing organic material from the water to prevent formation of undesirable disinfection byproducts at five of our drinking water treatment plants. We will continue to monitor the service life of the GAC material under differing raw water conditions and operating procedures to optimize the treatment process.

In addition, recent EPA investigations of emerging manmade contaminants called per- and polyfluoroalkyl substances (PFAS), indicate GAC filters remove these contaminants. We recently tested raw water from our reservoirs and did not find any PFAS. However, we will continue to consider PFAS reduction in our service life optimization assessment for the GAC media.

3. Urban Drinking Water Management

Water supply, reliability and resiliency will be improved by:

- Renovating and increasing drinking water treatment capacity at the Observatory plant
- Renovating our largest drinking water treatment plant at South Rivanna
- Acquiring easements for a pipeline to connect the South Rivanna and Ragged Mountain Reservoirs, and completing a one-mile long section of this pipeline on the Birdwood property
- Updating our Risk and Resilience Assessment, and our Emergency Response Plan, as required by the federal America's Water Infrastructure Act of 2018

4. Non-Urban Drinking Water Management

Water supply, reliability and resiliency will be improved by:

- Renovating and increasing drinking water treatment capacity at the Crozet plant
- Modifying the Beaver Creek Dam to comply with new regulatory requirements, and replacing the raw water pumping station
- Updating our Risk and Resilience Assessment, and our Emergency Response Plan, as required by the federal America's Water Infrastructure Act of 2018

Rivanna Water and Sewer Authority
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5. Urban Wastewater Management

Our recently completed Odor Control systems have been doing an effective job reducing odors at the Moores Creek wastewater treatment facility, as well as in the wastewater piping and pumping stations serving the Crozet area. The new Rivanna Sewer Pumping Station and tunnel have helped to essentially eliminate sanitary sewer overflows from our system, despite the record amount of rainfall in 2018.

6. Instrumentation Systems

Use of complex instrumentation systems continues to grow as we leverage technology to achieve operational efficiencies. Additional support is programmed to calibrate and maintain new wholesale meters and their data transmission system, calibrate water treatment plant meters, and replace existing wastewater meters.

7. Personnel

a. Merit Pool

A 3% merit pool for our employees has been included in the budget to remain competitive in the utility workforce marketplace.

b. Health Insurance

Based on recommendations from our insurance consultant, a 2% increase in health insurance premiums has been included.

c. Additional Positions, in Priority Order:

1. Construction Inspector – Major construction projects are scheduled to begin in late 2019 to renovate the Observatory and South Rivanna Water Treatment Plants. An additional Inspector is needed to support those projects, as well as other projects in our CIP, and in a more cost-effective manner than through the use of inspection services provided by engineering consultants.

2. Laboratory Chemist – An additional chemist is needed in our laboratory to complete the increasing number of analyses required annually. Testing for total organic carbon levels in our new GAC filters (over 550 samples/month), as well as for urban water quality, and reservoir raw water sampling programs have significantly increased the workload for our laboratory staff. This additional position will support the increasing analytical loads that the Laboratory is experiencing as a result of increased regulatory and process operation requirements.

**Rivanna Water and Sewer Authority
Proposed
FY 2019-2020 Budget**

Actual Water and Wastewater Flows

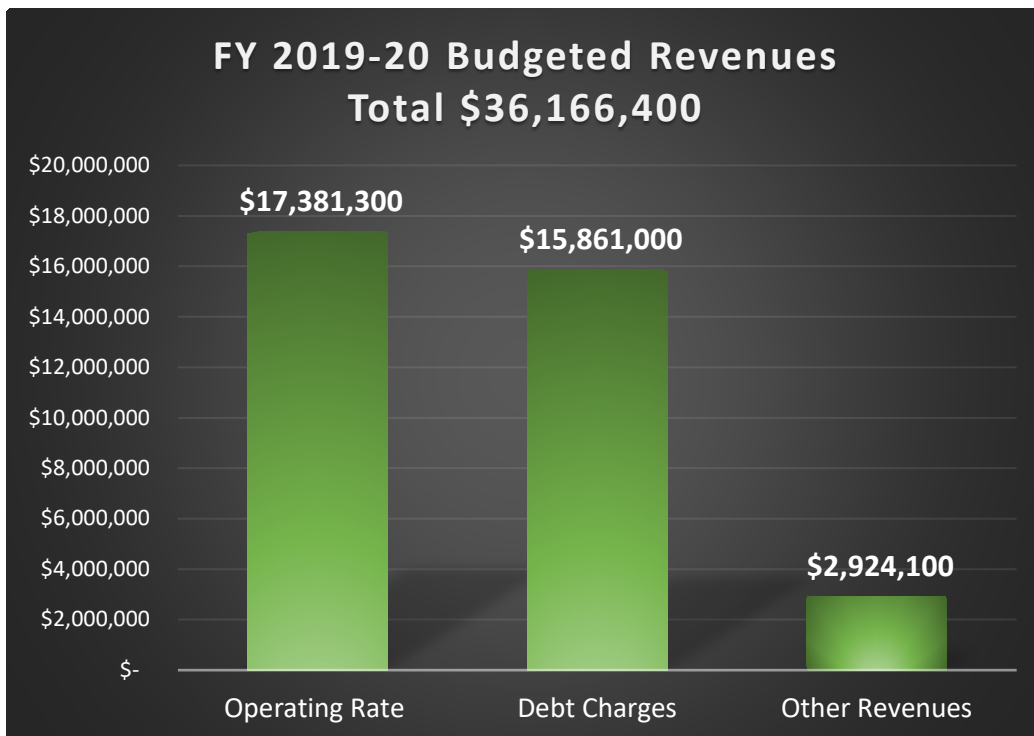
Actual water and wastewater retail flows reported by the City and ACSA are used to allocate the Urban Area operating rates and charges. Based on FY 2018 actual retail flow data, the allocation for Urban Wastewater flow shifted one percent (\$101,000 = \$73,000 Operations + \$28,000 Debt Service) between the two customers, while the allocation for Urban Water was unchanged.

Allocation of flows (based on retail flows):

	<u>FY 2020</u>	<u>FY 2019</u>
City Wastewater	50%	51%
ACSA Wastewater	50%	49%
City Water	51%	51%
ACSA Water	49%	49%

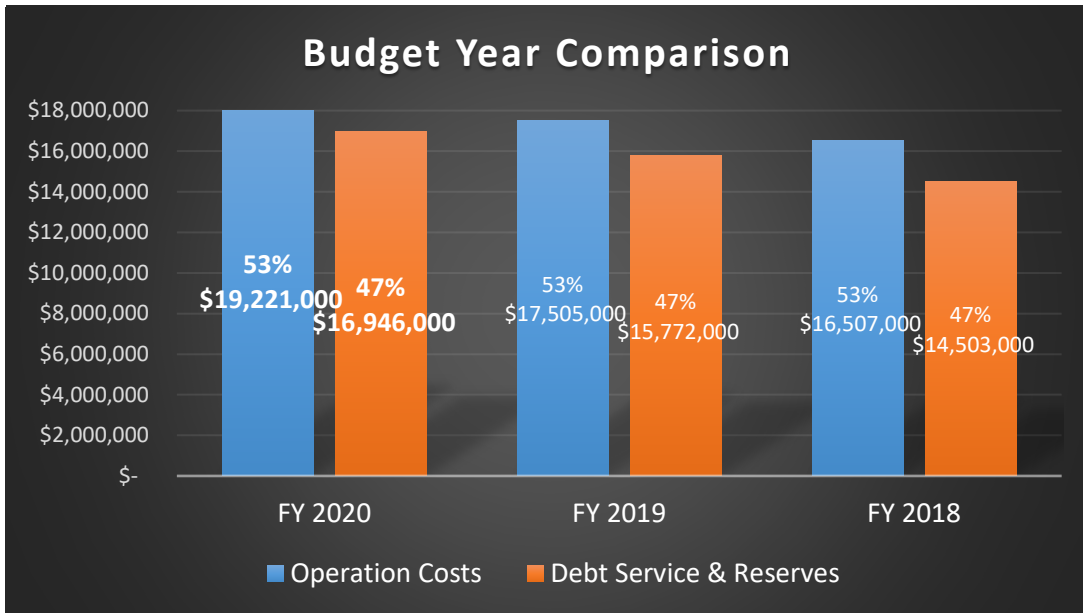
Revenues & Expenses

Revenues for FY 2020 are driven by Operating Rate revenues of \$17,381,300, Debt Service charges of \$15,861,000, and other non-customer revenues of \$2,924,100, as shown below:



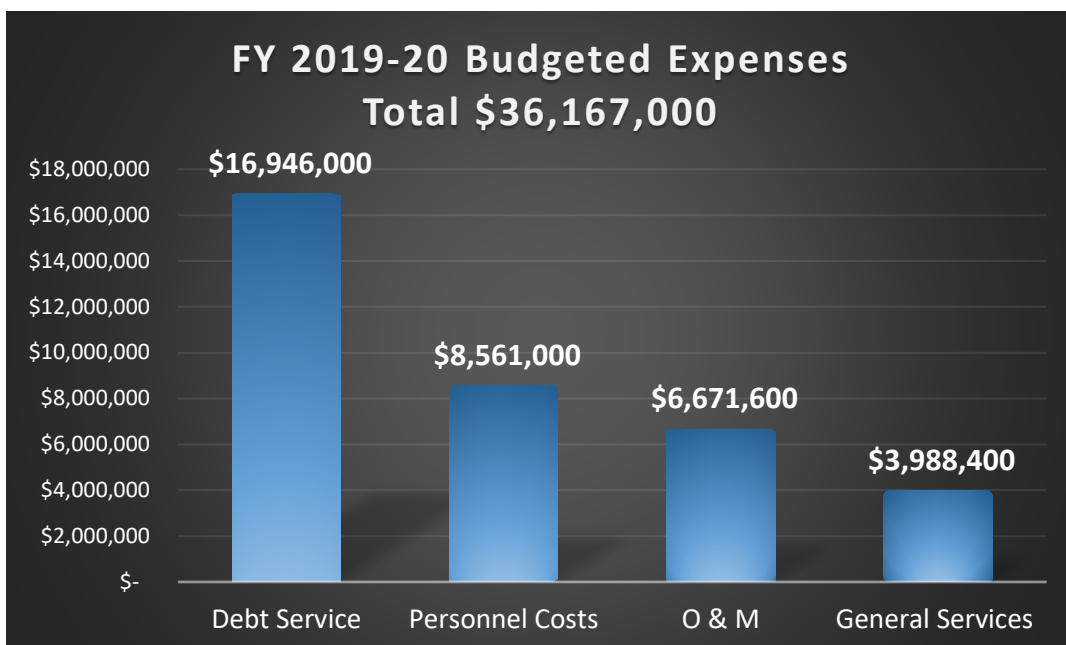
The Authority's overall ratio of Operating expenses and Debt Service costs are similar to the last several years, with Operating expenses representing roughly 53% of the total budget and Debt Service costs being 47% of the total, as shown below:

**Rivanna Water and Sewer Authority
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Expenses are largely driven by four major categories. Debt Service costs related to capital expenses are \$16,946,000. These expenses are estimated to increase \$1,174,000 over the current year to support recent and future major projects including the Birdwood Water Line, Water Treatment Plant Upgrades, Beaver Creek Dam and Pump Station Modifications, and Crozet Wastewater Equalization Tank.

Personnel and Benefit costs are the second largest expense with \$8,561,000 in estimated costs. Costs for Operations and Maintenance, which includes chemicals, building repairs, equipment maintenance, IT/SCADA, supplies and materials will total approximately \$6,671,600. General Service costs, which includes professional fees, utilities, insurance, permits, and data and voice communications, are anticipated to cost \$3,988,400, as shown below:



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A summary of the major cost changes compared to last year follows, and a detailed line-by-line comparison is provided in **Appendix 8** for the Authority as a whole.

	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Change over Prior year</u>
<u>Personnel cost in general</u>			
• Merit of 3.0%	11000	\$ 163,900	
• Personnel/Position changes:			
2 new positions (Lab Chemist, Engineering Tech/Inspector)	11000	110,000	
Benefit costs related to personnel changes	11XXX	44,340	
• Overtime & Holiday pay increase	11010	38,000	
• Health Care Benefit premium renewal 2% increase	12020	28,800	
• All other Personnel related changes		<u>(63,740)</u>	
Total change in personnel and benefit costs			\$ 321,300
<u>General overall changes</u>			
• Professional Services	21100		
Urban Water - Risk/Resiliency assessment		\$ 50,000	
Urban Water - Withdrawal permit		50,000	
Urban Water - Operating assistance		40,000	
Urban Water - Lickinghole Creek bathymetric		21,000	
Urban Water - Dam and tank inspections		22,200	
Urban Wastewater - Compost shed/digester eval. & repairs		40,000	
Urban Wastewater - Operational Assistance		35,000	
Urban Wastewater - WW Agreement 5 year metering event		100,000	
Administration - Engineer trustee report (every 3 years)		45,000	
Administration - professional service IT master plan implement		55,000	
All other changes - all rate centers & departments		<u>53,850</u>	
Total Request		512,050	
FY 2019 Budget		<u>(544,250)</u>	
		\$ (32,200)	\$ (32,200)
• General Other Services - Urban Wastewater	21420		
Biosolids cost increases			\$ 128,000
• Utilities - Urban Wastewater	21400		\$ 68,000
• Chemical Costs	41450		
Urban Water - GAC material replacement		\$ 795,000	
Urban Wastewater - General increases based on trends		168,050	
Non-Urban - GAC material replacement		113,280	
All other changes		<u>42,960</u>	
			\$ 1,119,290
• Instrumentation - all rate centers (contracts begin)	41600		\$ 143,980
(Wholesale metering, calibrations, WW flow meter replacements)			
• Safety Programs	21253		\$ 64,000
• All other changes			<u>\$ (97,370)</u>
FY 2020 Total increases in estimated expenses			\$ 1,715,000

Rivanna Water and Sewer Authority
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Debt Service & Capital

Debt service needs for the Capital Improvement Plan (CIP) are included in the budget request for the coming year. The overall FY 20-24 CIP totals \$97.2 million, a decrease of \$56.6 million as compared to the FY 19-23 CIP. There were \$51 million in completed and removed projects, a \$13.8 million reduction in existing projects, and a \$8.2 million increase in new and expanded projects. A more detailed look at the new and adjusted costs can be found in the proposed FY 2020 – FY 2024 CIP, which is a separate document and can be reviewed at <http://www.rivanna.org/financials-and-procurement/>.

The table below shows the changes in estimated project costs reflected in the CIP:

<u>Project Cost</u>	<u>2019-2023 Adopted CIP</u>	<u>Projects Completed</u>	<u>New or Additional Project Costs</u>	<u>2020-2024 Proposed CIP</u>	<u>Change \$</u>	<u>Change %</u>
Urban Water Projects	\$88,382,485	\$(30,559,700)	\$3,679,155	\$61,501,940	\$(26,880,545)	-30%
Urban Wastewater Projects	30,924,151	(12,558,500)	(3,612,670)	14,752,981	(16,171,170)	-110%
Shared Projects	3,421,000	-	(825,000)	2,596,000	(825,000)	-32%
Non-Urban Projects	31,174,400	(7,933,400)	(4,888,000)	18,353,000	(12,821,400)	-70%
Total Project Cost						
Estimates	\$153,902,036	\$(51,051,600)	\$(5,646,515)	\$97,203,921	\$(56,698,115)	-58%

The Authority has programmed into the FY 2020 budget charges that fund the additional debt service anticipated by the proposed CIP. Cumulatively, the Authority has built 33% of future debt service costs into the rates for all rate centers for FY 2020. This is done by using the CIP as a guide for future debt needs to include an average charge increase over that five year period. This helps to prevent the large spikes in charges for any given year in which new debt is actually issued - effectively leveling the impact on charges. For example, Urban Water current charges have nearly 31% of the needed future debt service revenues already built into the charges to cover the total needed for the next five years (\$2.14 million in annual debt service is estimated to be needed in the next 5 years, and \$742,300 will already be programmed into the charges). This would require the remaining \$1.6 million to be included in a debt service charge increase over the next four years to fund the Water projects within the CIP.

	Next Five Years		
	Annual Estimated NEW Debt Service related to 5- year CIP New Debt	New Debt Service Cost built into FY 2020 Rates	Percentage of Debt Service in proposed FY 2020 Rates
Urban Water	\$2,391,700	\$742,300	31.0%
Urban Wastewater	\$386,300	\$230,300	59.6%
Rural Rate Centers	\$456,200	\$90,925	19.9%
	\$3,234,200	\$1,063,525	32.9%

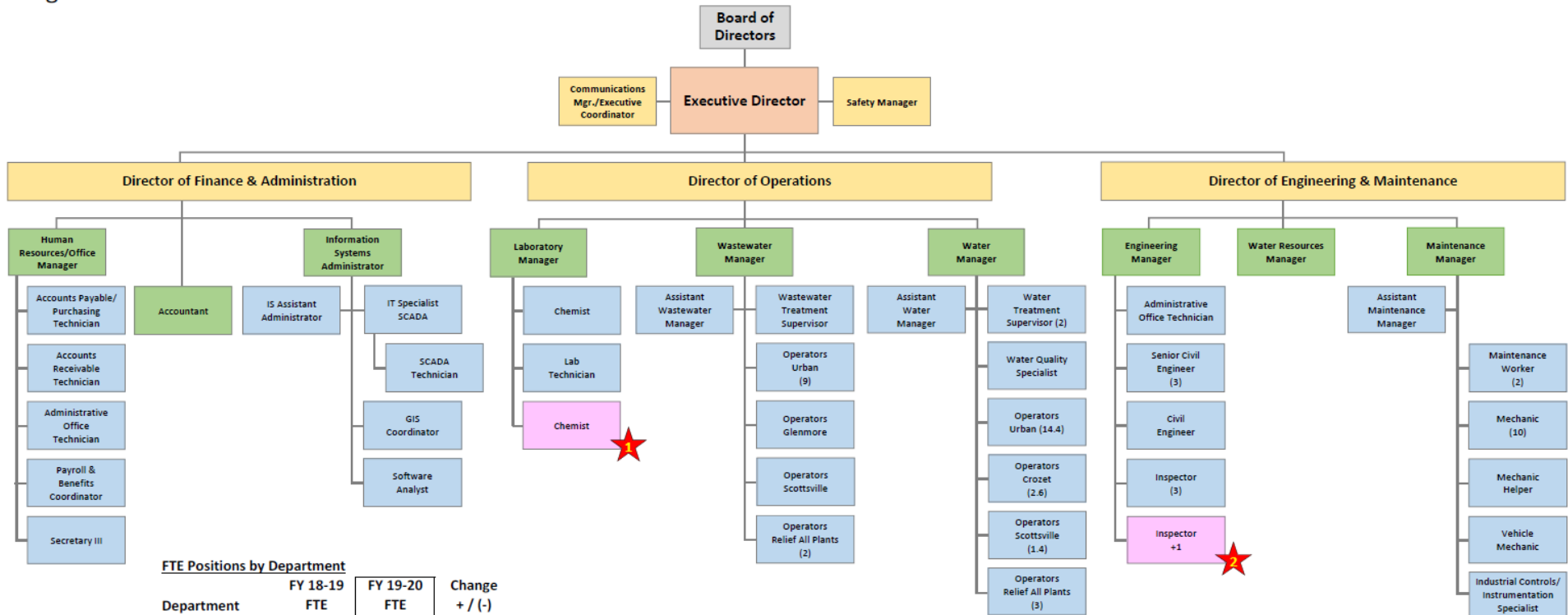
Rivanna Water and Sewer Authority Proposed FY 2019-2020 Budget

Proposed FY 2019-2020 Organization Chart

Rivanna Water & Sewer Authority Organizational Chart

FY 2019-2020 Proposed Budget

Revision No. 1



FTE Positions by Department

Department	FY 18-19 FTE	FY 19-20 FTE	Change + / (-)
Administration	11	11	No Change
IT/SCADA	6	6	No Change
Engineering	11	12	1
Maintenance	17	17	No Change
Operations	1	1	No Change
Laboratory	3	4	1
Wastewater	16	16	No Change
Water	26.4	26.4	No Change
Total	91.4	93.4	

- ★ **FY 2019-2020 Proposed FTE Changes**
1. Increase number of Chemists from 1 to 2 FTE.
 2. Increase number of Inspectors from 3 to 4 FTE.

One employee per position unless otherwise noted in parenthesis ()

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Budget Details

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Departmental Summary of Revenues and Expenses

Summary of Revenues

	FY 2019	FY 2020	\$ Change	% Change
Operations Revenues				
Urban Water	\$ 7,117,000	\$ 7,802,000	685,000	9.62%
Crozet Water	989,000	1,113,000	124,000	12.54%
Scottsville Water	444,000	537,000	93,000	20.95%
Urban Wastewater	7,818,000	8,610,000	792,000	10.13%
Glenmore Wastewater	373,000	371,000	(2,000)	-0.54%
Scottsville Wastewater	302,000	310,000	8,000	2.65%
Administration	462,000	468,000	6,000	1.30%
Maintenance	-	10,000	10,000	
Lab	-	-	-	
Engineering	-	-	-	
Total	\$ 17,505,000	\$ 19,221,000	\$ 1,716,000	9.80%
Debt Service Revenues				
Urban Water	\$ 6,185,000	\$ 6,747,000	562,000	9.09%
Crozet Water	1,004,000	1,338,000	334,000	33.27%
Scottsville Water	133,000	139,000	6,000	4.51%
Urban Wastewater	8,438,000	8,702,000	264,000	3.13%
Glenmore Wastewater	3,000	7,000	4,000	133.33%
Scottsville Wastewater	9,000	13,000	4,000	44.44%
Total	\$ 15,772,000	\$ 16,946,000	\$ 1,174,000	7.44%
Total Revenues	\$ 33,277,000	\$ 36,167,000	\$ 2,890,000	8.68%

Summary of Expenses

	FY 2019	FY 2020	\$ Change	% Change
Operations Expenses				
Urban Water	\$ 4,927,000	\$ 5,498,000	571,000	11.59%
Crozet Water	782,000	895,000	113,000	14.45%
Scottsville Water	314,000	400,000	86,000	27.39%
Urban Wastewater	5,177,000	5,835,000	658,000	12.71%
Glenmore Wastewater	272,000	265,000	(7,000)	-2.57%
Scottsville Wastewater	209,000	211,000	2,000	0.96%
Administration	2,433,000	2,480,000	47,000	1.93%
Maintenance	1,518,000	1,611,000	93,000	6.13%
Lab	446,000	473,000	27,000	6.05%
Engineering	1,427,000	1,553,000	126,000	8.83%
Total	\$ 17,505,000	\$ 19,221,000	\$ 1,716,000	9.80%
Debt Service Expenses				
Urban Water	\$ 6,185,000	\$ 6,747,000	562,000	9.09%
Crozet Water	1,004,000	1,338,000	334,000	33.27%
Scottsville Water	133,000	139,000	6,000	4.51%
Urban Wastewater	8,438,000	8,702,000	264,000	3.13%
Glenmore Wastewater	3,000	7,000	4,000	133.33%
Scottsville Wastewater	9,000	13,000	4,000	44.44%
Total	\$ 15,772,000	\$ 16,946,000	\$ 1,174,000	7.44%
Total Expenses	\$ 33,277,000	\$ 36,167,000	\$ 2,890,000	8.68%

Total Budgetary Surplus/ (Deficit)	\$ -	\$ -	\$ -	\$ -
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These figures are rounded from the detail pages of this budget model and some immaterial differences will be present.

Summary of Itemized Rates

URBAN RATE CENTERS		FY 2019	FY 2020	\$ Change	% Change
<u>Operating Rates</u> (\$ per 1,000 Gallons)					
Operations	Water	\$ 2.070	\$ 2.095	\$ 0.025	1.21%
Operations	Wastewater	2.146	2.369	0.223	10.39%
<u>Debt Service Charges</u> (\$ Monthly Charge)					
<u>Water</u>					
Debt Service	CITY	\$ 181,008	\$ 193,580	\$ 12,572	6.95%
Debt Service	ACSA	307,598	321,303	13,705	4.46%
<u>Wastewater</u>					
Debt Service	CITY	\$ 408,260	\$ 407,588	\$ (672)	-0.16%
Debt Service	ACSA	246,308	278,174	31,866	12.94%
OTHER RATE CENTERS (Monthly)		FY 2019	FY 2020	\$ Change	% Change
<u>Crozet Water</u>					
Operations		\$ 79,782	\$ 85,734	\$ 5,952	7.46%
Debt Service		82,964	109,276	26,312	31.71%
<u>Scottsville Water</u>					
Operations		\$ 36,944	\$ 43,401	\$ 6,457	17.48%
Debt Service		10,773	10,729	(44)	-0.41%
Water Total		\$ 210,463	\$ 249,140	\$ 38,677	18.38%
<u>Glenmore Wastewater</u>					
Operations		\$ 31,060	\$ 30,877	\$ (183)	-0.59%
Debt Service		132	315	183	138.64%
<u>Scottsville Wastewater</u>					
Operations		\$ 25,156	\$ 25,749	\$ 593	2.36%
Debt Service		667	787	120	17.99%
Wastewater Total		\$ 57,015	\$ 57,728	\$ 713	1.25%
Total Monthly Other Rate Center Charges - ACSA		\$ 267,478	\$ 306,868	\$ 39,390	14.73%

Summary of Charges to Customers

	<u>FY 2019</u>	<u>FY 2020</u>	<u>Change</u> <u>\$</u>	<u>Change</u> <u>%</u>
<u>City Charges From RWSA</u>				
Urban Water				
Operating Rate Charges	\$ 3,587,700	\$ 3,630,500	\$ 42,800	1.2%
Debt Service Charges	2,172,100	2,323,000	150,900	6.9%
	<u>\$ 5,759,800</u>	<u>\$ 5,953,500</u>	<u>\$ 193,700</u>	<u>3.4%</u>
Urban Wastewater				
Operating Rate Charges	\$ 3,711,300	\$ 4,016,800	\$ 305,500	8.2%
Debt Service Charges	4,899,100	4,891,100	(8,000)	-0.2%
	<u>\$ 8,610,400</u>	<u>\$ 8,907,900</u>	<u>\$ 297,500</u>	<u>3.5%</u>
Total City Charges	<u>\$ 14,370,200</u>	<u>\$ 14,861,400</u>	<u>\$ 491,200</u>	<u>3.4%</u>

<u>ACSA Charges From RWSA</u>				
Urban Water				
Operating Rate Charges	\$ 3,447,000	\$ 3,488,100	\$ 41,100	1.2%
Debt Service Charges	3,691,200	3,855,600	164,400	4.5%
	<u>\$ 7,138,200</u>	<u>\$ 7,343,700</u>	<u>\$ 205,500</u>	<u>2.9%</u>
Urban Wastewater				
Operating Rate Charges	\$ 3,565,800	\$ 4,016,800	\$ 451,000	12.6%
Debt Service Charges	2,955,700	3,338,100	382,400	12.9%
	<u>\$ 6,521,500</u>	<u>\$ 7,354,900</u>	<u>\$ 833,400</u>	<u>12.8%</u>
Other Rate Centers				
Operating Charges	\$ 2,075,300	\$ 2,229,100	\$ 153,800	7.4%
Debt Service Charges	1,134,400	1,453,300	318,900	28.1%
	<u>\$ 3,209,700</u>	<u>\$ 3,682,400</u>	<u>\$ 472,700</u>	<u>14.7%</u>
Total ACSA Charges	<u>\$ 16,869,400</u>	<u>\$ 18,381,000</u>	<u>\$ 1,511,600</u>	<u>9.0%</u>

<u>RWSA Customer Revenue Charges</u>				
Operating Rate Revenue				
Urban Water	\$ 7,034,700	\$ 7,118,600	\$ 83,900	1.2%
Urban Wastewater	7,277,100	8,033,600	756,500	10.4%
Other Rate Centers	2,075,300	2,229,100	153,800	7.4%
	<u>\$ 16,387,100</u>	<u>\$ 17,381,300</u>	<u>\$ 994,200</u>	<u>6.1%</u>
Debt Service Charge Revenues				
Urban Water	\$ 5,863,300	\$ 6,178,600	\$ 315,300	5.4%
Urban Wastewater	7,854,800	8,229,200	374,400	4.8%
Other Rate Centers	1,134,400	1,453,300	318,900	28.1%
	<u>\$ 14,852,500</u>	<u>\$ 15,861,100</u>	<u>\$ 1,008,600</u>	<u>6.8%</u>
Total RWSA Customer Revenues	<u>\$ 31,239,600</u>	<u>\$ 33,242,400</u>	<u>\$ 2,002,800</u>	<u>6.4%</u>

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Water Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2019-2020

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Urban Water Summary

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	9.309			9.309	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$ 2.070			\$ 2.095	1.21%
Revenue	\$ 7,034,788	\$ 3,552,985	\$ 7,105,970	\$ 7,118,541	1.19%
Lease Revenues	70,000	33,776	67,552	70,000	0.00%
Use of Reserves	-	-	-	600,000	
Miscellaneous	-	1,600	31,900	-	
Interest Allocation	12,000	8,985	17,970	13,200	10.00%
Total Operations Revenues	\$ 7,116,788	\$ 3,597,346	\$ 7,223,392	\$ 7,801,741	9.62%

Projected Expenses

Personnel Cost	\$ 1,903,778	\$ 885,359	\$ 1,759,223	\$ 1,861,134	-2.24%
Professional Services	329,250	256,808	513,616	207,200	-37.07%
Other Services and Charges	582,700	302,655	620,189	574,963	-1.33%
Communications	64,200	39,174	73,484	65,100	1.40%
Information Technology	65,300	18,961	52,922	77,000	17.92%
Supplies	5,000	3,413	6,826	6,100	22.00%
Operations and Maintenance	1,570,660	882,848	2,623,337	2,356,590	50.04%
Equipment Purchases	106,600	87,229	209,458	50,500	-52.63%
Depreciation & Reserves	300,000	150,000	300,000	300,000	0.00%
Subtotal Before Allocations	\$ 4,927,488	\$ 2,626,447	\$ 6,159,055	\$ 5,498,587	11.59%
Allocation of Support Departments	2,189,300	994,378	2,054,673	2,303,154	5.20%
Total Operations Expenses	\$ 7,116,788	\$ 3,620,825	\$ 8,213,728	\$ 7,801,741	9.62%

Operations Cost per 1,000 gallons	\$2.095			\$2.296	9.59%
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Debt Service Budget

Projected Revenue

Debt Service Rates	CITY	181,008			193,580	6.95%
	ACSA	307,598			321,303	4.46%
Debt Service Rate Revenue - CITY	\$ 2,172,094	\$ 1,086,048	\$ 2,172,096	\$ 2,322,960	6.95%	
Debt Service Rate Revenue - ACSA	3,691,177	1,845,588	3,691,176	3,855,638	4.46%	
Trust Fund Interest	18,000	29,892	59,784	54,000	200.00%	
Reserve Fund Interest	184,000	193,860	387,720	387,000	110.33%	
Buck Mtn. Surcharge	118,600	65,600	131,200	125,900	6.16%	
Lease Revenue	1,600	-	-	1,600	0.00%	
Total Debt Service Revenue	\$ 6,185,471	\$ 3,220,988	\$ 6,441,976	\$ 6,747,098	9.08%	

Principal, Interest & Reserves

Total Principal & Interest	\$ 4,190,796	2,095,398	\$ 4,190,796	\$ 5,223,498	24.64%
Reserve Additions - Interest	184,000	193,860	387,720	387,000	110.33%
Debt Service Ratio Charge	400,000	200,000	400,000	400,000	0.00%
Est. New Debt Service - CIP Growth	1,410,675	705,338	1,410,676	736,600	-47.78%
Total Debt Principal and Interest	\$ 6,185,471	\$ 3,194,596	\$ 6,389,192	\$ 6,747,098	9.08%

Rate Center Summary

Total Revenues	\$ 13,302,259	\$ 6,818,334	\$ 13,665,368	\$ 14,548,839	9.37%
Total Expenses	13,302,259	6,815,421	14,602,920	14,548,839	9.37%
Surplus/(Deficit)	\$ -	\$ 2,913	\$ (937,552)	\$ -	

Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries & Benefits						
11000	Salaries	\$ 1,200,800	\$ 554,878	\$ 1,109,756	\$ 1,155,180	\$ (45,620)	-3.80%
11010	Overtime & Holiday Pay	120,000	82,720	165,440	135,000	15,000	12.50%
12010	FICA	101,041	47,746	95,492	98,699	(2,342)	-2.32%
12020	Health Insurance	267,140	106,727	213,454	266,894	(246)	-0.09%
12026	Employee Assistance Program	300	190	380	300	-	0.00%
12030	Retirement	115,517	44,923	89,846	111,128	(4,389)	-3.80%
12040	Life Insurance	15,730	6,921	13,842	15,133	(597)	-3.80%
12050	Fitness Program	3,750	1,837	3,674	3,700	(50)	-1.33%
12060	Worker's Comp Insurance	29,000	17,243	22,991	24,600	(4,400)	-15.17%
	Subtotal	\$ 1,853,278	\$ 863,185	\$ 1,714,875	\$ 1,810,634	\$ (42,644)	-2.30%
Other Personnel Costs							
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 2,000	\$ 324	\$ 648	\$ 2,000	\$ -	0.00%
13150	Education & Training	21,700	7,698	15,396	21,700	-	0.00%
13200	Travel & Lodging	7,900	951	1,902	7,900	-	0.00%
13250	Uniforms	15,400	8,657	17,314	15,400	-	0.00%
13325	Recruiting & Medical Testing	2,000	628	1,256	2,000	-	0.00%
13350	Other	1,500	3,916	7,832	1,500	-	0.00%
	Subtotal	\$ 50,500	\$ 22,174	\$ 44,348	\$ 50,500	\$ -	0.00%
Professional Services							
20100	Legal Fees	\$ 5,000	\$ 23,738	\$ 47,476	\$ 20,000	\$ 15,000	300.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	324,250	233,070	466,140	187,200	(137,050)	-42.27%
	Subtotal	\$ 329,250	\$ 256,808	\$ 513,616	\$ 207,200	\$ (122,050)	-37.07%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 40,400	\$ 33,699	\$ 33,699	\$ 40,400	\$ -	0.00%
21150	Advertising & Communication	-	3,200	6,400	-	-	-
21250	Watershed Management	100,000	28,687	100,000	87,000	(13,000)	-13.00%
21252	EMS Programs/Supplies	500	161	322	500	-	0.00%
21253	Safety Programs/Supplies	15,800	8,870	17,740	43,313	27,513	174.13%
21300	Authority Dues/Permits/Fees	6,000	24	6,000	6,000	-	0.00%
21350	Laboratory Analysis	55,000	29,040	58,080	57,750	2,750	5.00%
21400	Utilities	325,000	158,870	317,740	260,000	(65,000)	-20.00%
21420	General Other Services	25,000	40,104	80,208	80,000	55,000	220.00%
21430	Governance & Strategic Support	15,000	-	-	-	(15,000)	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 582,700	\$ 302,655	\$ 620,189	\$ 574,963	\$ (7,737)	-1.33%
Communication							
22000	Communication						
22100	Radio	\$ 4,700	\$ 4,864	\$ 4,864	\$ 4,700	\$ -	0.00%
22150	Telephone & Data Service	50,000	29,260	58,520	50,000	-	0.00%
22200	Cell Phones & Pagers	9,500	5,050	10,100	10,400	900	9.47%
	Subtotal	\$ 64,200	\$ 39,174	\$ 73,484	\$ 65,100	\$ 900	1.40%
Information Technology							
31000	Information Technology						
31100	Computer Hardware	\$ 7,800	\$ 2,351	\$ 4,702	\$ 12,000	\$ 4,200	53.85%
31150	SCADA Maint. & Support	55,000	16,610	48,220	62,000	7,000	12.73%
31200	Maintenance & Support Services	-	-	-	500	500	-
31250	Software Purchases	2,500	-	-	2,500	-	0.00%
	Subtotal	\$ 65,300	\$ 18,961	\$ 52,922	\$ 77,000	\$ 11,700	17.92%
Supplies							
33000	Supplies						
33100	Office Supplies	\$ 3,000	\$ 1,948	\$ 3,896	\$ 3,500	\$ 500	16.67%
33150	Subscriptions/Reference Material	500	-	-	100	(400)	-80.00%
33350	Postage & Delivery	1,500	1,465	2,930	2,500	1,000	66.67%
	Subtotal	\$ 5,000	\$ 3,413	\$ 6,826	\$ 6,100	\$ 1,100	22.00%
Operation & Maintenance							
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 116,800	\$ 56,499	\$ 112,998	\$ 116,800	\$ -	0.00%
41150	Building & Land Lease	32,500	32,313	32,313	32,500	-	0.00%
41200	Pump Station Maintenance	5,000	1,135	2,270	5,000	-	0.00%
41300	Dam Maintenance	93,000	48,376	96,752	140,490	47,490	51.06%
41350	Pipeline/Appurtenances	146,560	234,912	594,824	104,000	(42,560)	-29.04%
41400	Materials & Supplies	50,000	24,729	49,458	50,000	-	0.00%
41450	Chemicals	725,000	345,958	1,408,916	1,520,600	795,600	109.74%
41500	Vehicle Maintenance	5,000	10,445	20,890	5,000	-	0.00%
41550	Equipment Maint. & Repair	200,000	88,045	176,090	200,000	-	0.00%
41600	Instrumentation & Metering	91,800	16,023	80,000	147,200	55,400	60.35%
41650	Fuel & Lubricants	15,000	6,437	12,874	15,000	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41700	General Other Maintenance	90,000	17,976	35,952	20,000	(70,000)	-77.78%
	<i>Subtotal</i>	\$ 1,570,660	\$ 882,848	\$ 2,623,337	\$ 2,356,590	\$ 785,930	50.04%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 19,000	\$ 33,619	\$ 67,238	\$ 19,000	\$ -	0.00%
81200	Rental & Leases	2,500	1,465	37,930	2,500	-	0.00%
81250	Equipment (over \$5000)	70,000	44,595	89,190	10,000	(60,000)	-85.71%
81300	Vehicle Replacement Fund	15,100	7,550	15,100	19,000	3,900	25.83%
	<i>Subtotal</i>	\$ 106,600	\$ 87,229	\$ 209,458	\$ 50,500	\$ (56,100)	-52.63%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 867,157	\$ 375,504	\$ 834,082	\$ 885,060	\$ 17,903	2.06%
95300	Engineering Allocation	670,478	323,072	639,690	729,759	59,281	8.84%
95150	Maintenance Allocation	455,257	209,404	412,318	480,235	24,978	5.49%
95200	Laboratory Allocation	196,408	86,398	168,583	208,100	11,692	5.95%
	<i>Subtotal</i>	\$ 2,189,300	\$ 994,378	\$ 2,054,673	\$ 2,303,154	\$ 113,854	5.20%
	Depreciation	300,000	150,000	300,000	300,000	-	0.00%
	<i>Subtotal</i>	\$ 300,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ -	0.00%
	Total	\$ 7,116,788	\$ 3,620,825	\$ 8,213,728	\$ 7,801,741	\$ 684,953	9.62%

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Crozet Water Summary

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	0.521			0.545	4.61%

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$			\$	
Revenue	\$ 79,782			\$ 85,734	7.46%
Leases	\$ 957,384	\$ 478,692	\$ 957,384	\$ 1,028,808	7.46%
Use of Reserves	30,000	13,861	27,722	30,000	0.00%
Interest Allocation	-	-	-	52,000	
	1,700	1,272	2,544	1,800	5.88%
Total Operations Revenues	\$ 989,084	\$ 493,825	\$ 987,650	\$ 1,112,608	12.49%

Projected Expenses

Personnel Cost	\$ 288,389	\$ 133,622	\$ 265,553	\$ 300,589	4.23%
Professional Services	30,000	1,925	23,850	12,850	-57.17%
Other Services and Charges	126,960	53,473	119,875	137,816	8.55%
Communications	4,450	2,910	5,820	4,950	11.24%
Information Technology	14,200	240	12,000	2,600	-81.69%
Supplies	620	879	1,758	1,395	125.00%
Operations and Maintenance	261,150	201,012	400,174	398,400	52.56%
Equipment Purchases	26,450	3,870	7,740	6,500	-75.43%
Depreciation	30,000	15,000	30,000	30,000	0.00%
Subtotal Before Allocations	\$ 782,219	\$ 412,931	\$ 866,770	\$ 895,100	14.43%
Allocations of Support Departments	206,862	93,916	193,698	217,512	5.15%
Total Operations Expenses	\$ 989,081	\$ 506,847	\$ 1,060,468	\$ 1,112,612	12.49%

Operations Cost per 1,000 gallons	\$5.018			\$5.593	11.46%
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Debt Service Budget

Projected Revenue

Debt Service Rates (monthly)	\$			\$	
Debt Service Rate Revenue - ACSA	\$ 82,964			\$ 109,276	31.71%
Trust Fund Interest	\$ 995,568	\$ 497,784	\$ 995,568	\$ 1,311,312	31.71%
Reserve Fund Interest	1,800	3,050	6,100	5,500	205.56%
	6,700	7,189	14,378	21,500	220.90%
Total Debt Service Revenue	\$ 1,004,068	\$ 508,023	\$ 1,016,046	\$ 1,338,312	33.29%

Principal, Interest & Reserves

Total Principal & Interest - Existing	\$ 426,071	\$ 213,036	\$ 426,072	\$ 1,230,815	188.88%
Estimated New Principal & Interest	571,300	285,650	571,300	86,000	-84.95%
Reserve Additions - Interest	6,700	7,189	14,378	21,500	220.90%
Total Debt Principal and Interest	\$ 1,004,071	\$ 505,875	\$ 1,011,750	\$ 1,338,315	33.29%

Rate Center Summary

Total Revenues	\$ 1,993,152	\$ 1,001,848	\$ 2,003,696	\$ 2,450,920	22.97%
Total Expenses	1,993,152	1,012,722	2,072,218	2,450,927	22.97%
Surplus/(Deficit)	\$ -	\$ (10,874)	\$ (68,522)	\$ (7)	
Rates - (Monthly)					
ACSA	\$ 162,746			\$ 195,010	19.82%

Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
11000	Salaries	\$ 181,100	\$ 83,705	\$ 167,410	\$ 184,970	\$ 3,870	2.14%
11010	Overtime & Holiday Pay	20,000	12,781	25,562	25,000	5,000	25.00%
12010	FICA	15,384	7,227	14,454	16,063	679	4.41%
12020	Health Insurance	40,891	16,132	32,264	43,369	2,478	6.06%
12026	Employee Assistance Program	50	29	58	50	-	0.00%
12030	Retirement	17,422	6,782	13,564	17,794	372	2.14%
12040	Life Insurance	2,372	1,044	2,088	2,423	51	2.15%
12050	Fitness Program	600	275	550	600	-	0.00%
12060	Worker's Comp Insurance	4,250	2,536	3,381	4,000	(250)	-5.88%
Subtotal		\$ 282,069	\$ 130,511	\$ 259,331	\$ 294,269	\$ 12,200	4.33%
Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 250	\$ 50	\$ 100	\$ 250	\$ -	0.00%
13150	Education & Training	2,900	913	1,826	2,900	-	0.00%
13200	Travel & Lodging	670	120	240	670	-	0.00%
13250	Uniforms	2,000	1,334	2,668	2,000	-	0.00%
13325	Recruiting & Medical Testing	350	97	194	350	-	0.00%
13350	Other	150	597	1,194	150	-	0.00%
Subtotal		\$ 6,320	\$ 3,111	\$ 6,222	\$ 6,320	\$ -	0.00%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	30,000	1,925	23,850	12,850	(17,150)	-57.17%
Subtotal		\$ 30,000	\$ 1,925	\$ 23,850	\$ 12,850	\$ (17,150)	-57.17%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 2,960	\$ 2,469	\$ 2,469	\$ 3,000	\$ 40	1.35%
21150	Advertising & Communication	-	1,600	3,200	-	-	-
21250	Watershed Management	25,000	-	15,000	25,000	-	0.00%
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	1,500	366	732	3,616	2,116	141.07%
21300	Authority Dues/Permits/Fees	1,000	301	1,000	1,000	-	0.00%
21350	Laboratory Analysis	30,000	15,748	31,496	38,000	8,000	26.67%
21400	Utilities	61,000	32,955	65,910	67,000	6,000	9.84%
21420	General Other Services	500	34	68	200	(300)	-60.00%
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 126,960	\$ 53,473	\$ 119,875	\$ 137,816	\$ 10,856	8.55%
Communication							
22100	Radio	\$ 450	\$ 639	\$ 1,278	\$ 450	\$ -	0.00%
22150	Telephone & Data Service	3,000	1,599	3,198	3,300	300	10.00%
22200	Cell Phones & Pagers	1,000	672	1,344	1,200	200	20.00%
Subtotal		\$ 4,450	\$ 2,910	\$ 5,820	\$ 4,950	\$ 500	11.24%
Information Technology							
31100	Computer Hardware	\$ 1,000	\$ -	\$ -	\$ 1,250	\$ 250	25.00%
31150	SCADA Maint. & Support	12,400	240	12,000	1,000	(11,400)	-91.94%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	800	-	-	350	(450)	-56.25%
Subtotal		\$ 14,200	\$ 240	\$ 12,000	\$ 2,600	\$ (11,600)	-81.69%
Supplies							
33100	Office Supplies	\$ 100	\$ -	\$ -	\$ 25	\$ (75)	-75.00%
33150	Subscriptions/Reference Material	20	-	-	20	-	0.00%
33350	Postage & Delivery	500	879	1,758	1,350	850	170.00%
Subtotal		\$ 620	\$ 879	\$ 1,758	\$ 1,395	\$ 775	125.00%
Operation & Maintenance							
41100	Building & Grounds	\$ 35,000	\$ 11,087	\$ 22,174	\$ 40,000	\$ 5,000	14.29%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	5,000	2,500	5,000	5,000	-	-
41350	Pipeline/Appurtenances	5,000	707	1,414	5,000	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41400	Materials & Supplies	5,000	886	1,772	5,000	-	0.00%
41450	Chemicals	134,000	132,723	265,446	256,900	122,900	91.72%
41500	Vehicle Maintenance	1,000	1,365	2,730	1,000	-	0.00%
41550	Equipment Maint. & Repair	40,000	13,175	36,350	40,000	-	0.00%
41600	Instrumentation & Metering	8,150	-	8,150	8,500	350	4.29%
41650	Fuel & Lubricants	7,000	5,694	11,388	7,000	-	0.00%
41700	General Other Maintenance	21,000	32,875	45,750	30,000	9,000	42.86%
Subtotal		\$ 261,150	\$ 201,012	\$ 400,174	\$ 398,400	\$ 137,250	52.56%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ 58	\$ 116	\$ 4,000	\$ -	0.00%
81200	Rental & Leases	-	2,587	5,174	-	-	-
81250	Equipment (over \$5000)	20,000	-	-	-	(20,000)	-100.00%
81300	Vehicle Replacement Fund	2,450	1,225	2,450	2,500	50	2.04%
Subtotal		\$ 26,450	\$ 3,870	\$ 7,740	\$ 6,500	\$ (19,950)	-75.43%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 78,832	\$ 34,137	\$ 75,826	\$ 80,460	\$ 1,628	2.07%
95300	Engineering Allocation	57,062	27,495	54,442	62,107	5,045	8.84%
95150	Maintenance Allocation	53,113	24,430	48,104	56,027	2,914	5.49%
95200	Laboratory Allocation	17,855	7,854	15,326	18,918	1,063	5.95%
Subtotal		\$ 206,862	\$ 93,916	\$ 193,698	\$ 217,512	\$ 10,650	5.15%
Depreciation		30,000	15,000	30,000	30,000	-	0.00%
Subtotal		\$ 30,000	\$ 15,000	\$ 30,000	\$ 30,000	\$ -	0.00%
Total		\$ 989,081	\$ 506,847	\$ 1,060,468	\$ 1,112,612	\$ 123,531	12.49%

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Scottsville Water Summary

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	0.051			0.05	-1.96%

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$ 36,944			\$ 43,401	17.48%
Revenue	\$ 443,328	\$ 221,664	\$ 443,328	\$ 520,812	17.48%
Red Hill Community Water System Revenue	-	16,303	25,000	-	
Use of reserves	-	-	-	15,000	
Interest Allocation	750	570	1,140	800	6.67%
Total Operations Revenues	\$ 444,078	\$ 238,537	\$ 469,468	\$ 536,612	20.84%

Projected Expenses

Personnel Cost	\$ 153,885	\$ 70,510	\$ 140,087	\$ 197,349	28.24%
Professional Services	20,000	16,456	32,912	20,000	0.00%
Other Services and Charges	28,680	14,384	28,534	33,318	16.17%
Communications	3,210	1,875	3,750	3,430	6.85%
Information Technology	7,000	6,348	7,340	800	-88.57%
Supplies	750	-	360	410	-45.33%
Operations and Maintenance	66,570	41,013	83,626	121,340	82.27%
Equipment Purchases	14,000	51,279	52,558	3,200	-77.14%
Depreciation	20,000	10,000	20,000	20,000	0.00%
Subtotal Before Allocations	\$ 314,095	\$ 211,865	\$ 369,167	\$ 399,847	27.30%
Allocations of Support Departments	129,988	59,173	120,901	136,770	5.22%
Total Operations Expenses	\$ 444,083	\$ 271,038	\$ 490,068	\$ 536,617	20.84%

Operations Cost per 1,000 gallons	\$23.856			\$29.404	23.26%
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Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly	\$ 10,773			\$ 10,729	-0.41%
Debt Service Rate Revenue - ACSA	\$ 129,280	\$ 64,638	\$ 129,276	\$ 128,749	-0.41%
Trust Fund Interest	400	871	1,742	1,700	325.00%
Reserve Fund Interest	3,300	3,600	7,200	8,400	154.55%
Total Debt Service Revenue	\$ 132,980	\$ 69,109	\$ 138,218	\$ 138,849	4.41%

Principal, Interest & Reserves

Total Principal & Interest	\$ 129,680	\$ 64,840	\$ 129,680	\$ 129,524	-0.12%
Estimated New Principal & Interest	-	-	-	925	
Reserve Additions-Interest	3,300	3,600	7,200	8,400	154.55%
Total Debt Principal and Interest	\$ 132,980	\$ 68,440	\$ 136,880	\$ 138,849	4.41%

Rate Center Summary

Total Revenues	\$ 577,058	\$ 307,646	\$ 607,686	\$ 675,461	17.05%
Total Expenses	577,063	339,478	626,948	675,466	17.05%
Surplus/ (Deficit)	\$ (5)	\$ (31,832)	\$ (19,262)	\$ (5)	
Rates - Monthly					
ACSA	\$ 47,717			\$ 54,130	13.44%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 95,900	\$ 44,126	\$ 88,252	\$ 124,221	\$ 28,321	29.53%
11010	Overtime & Holiday Pay	11,000	6,748	13,496	13,000	2,000	18.18%
12010	FICA	8,178	3,811	7,622	10,497	2,319	28.36%
12020	Health Insurance	21,670	8,506	17,012	29,249	7,579	34.97%
12026	Employee Assistance Program	25	15	30	25	-	0.00%
12030	Retirement	9,226	3,575	7,150	11,950	2,724	29.53%
12040	Life Insurance	1,256	550	1,100	1,627	371	29.54%
12050	Fitness Program	300	145	290	300	-	0.00%
12060	Worker's Comp Insurance	2,350	1,399	1,865	2,600	250	10.64%
Subtotal		\$ 149,905	\$ 68,875	\$ 136,817	\$ 193,469	\$ 43,564	29.06%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 180	\$ 26	\$ 52	\$ 180	\$ -	0.00%
13150	Education & Training	1,950	477	954	1,950	-	0.00%
13200	Travel & Lodging	500	62	124	400	(100)	-20.00%
13250	Uniforms	1,200	704	1,408	1,200	-	0.00%
13325	Recruiting & Medical Testing	100	51	102	100	-	0.00%
13350	Other	50	315	630	50	-	0.00%
Subtotal		\$ 3,980	\$ 1,635	\$ 3,270	\$ 3,880	\$ (100)	-2.51%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	20,000	16,456	32,912	20,000	-	0.00%
Subtotal		\$ 20,000	\$ 16,456	\$ 32,912	\$ 20,000	\$ -	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 760	\$ 634	\$ 634	\$ 760	\$ -	0.00%
21150	Advertising & Communication	-	28	56	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	1,990	475	950	1,858	(132)	-6.63%
21300	Authority Dues/Permits/Fees	1,000	300	1,000	1,000	-	0.00%
21350	Laboratory Analysis	8,730	6,237	12,474	18,500	9,770	111.91%
21400	Utilities	11,000	6,637	13,274	11,000	-	0.00%
21420	General Other Services	200	73	146	200	-	0.00%
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 28,680	\$ 14,384	\$ 28,534	\$ 33,318	\$ 4,638	16.17%
Communication							
22000	Radio	\$ 430	\$ 438	\$ 876	\$ 430	\$ -	0.00%
22150	Telephone & Data Service	2,000	996	1,992	2,000	-	0.00%
22200	Cell Phones & Pagers	780	441	882	1,000	220	28.21%
Subtotal		\$ 3,210	\$ 1,875	\$ 3,750	\$ 3,430	\$ 220	6.85%
Information Technology							
31000	Computer Hardware	\$ 600	\$ 170	\$ 340	\$ 150	\$ (450)	-75.00%
31150	SCADA Maint. & Support	6,200	6,178	7,000	500	(5,700)	-91.94%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	200	-	-	150	(50)	0.00%
Subtotal		\$ 7,000	\$ 6,348	\$ 7,340	\$ 800	\$ (6,200)	-88.57%
Supplies							
33000	Office Supplies	\$ 300	\$ -	\$ 50	\$ 50	\$ (250)	-83.33%
33150	Subscriptions/Reference Material	100	-	10	10	(90)	-90.00%
33350	Postage & Delivery	350	-	300	350	-	0.00%
Subtotal		\$ 750	\$ -	\$ 360	\$ 410	\$ (340)	-45.33%
Operation & Maintenance							
41000	Building & Grounds	\$ 12,000	\$ 1,766	\$ 3,532	\$ 13,000	\$ 1,000	8.33%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	1,500	-	1,500	1,500	-	0.00%
41350	Pipeline/Appurtenances	100	-	100	100	-	0.00%
41400	Materials & Supplies	3,000	3,386	6,772	3,000	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41450	Chemicals	13,700	8,266	16,532	46,440	32,740	238.98%
41500	Vehicle Maintenance	700	717	1,434	700	-	0.00%
41550	Equipment Maint. & Repair	15,000	10,126	20,252	23,000	8,000	53.33%
41600	Instrumentation & Metering	7,170	10,749	21,498	20,200	13,030	181.73%
41650	Fuel & Lubricants	1,400	434	868	1,400	-	0.00%
41700	General Other Maintenance	12,000	5,569	11,138	12,000	-	0.00%
Subtotal		\$ 66,570	\$ 41,013	\$ 83,626	\$ 121,340	\$ 54,770	82.27%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 200	\$ 629	\$ 1,258	\$ 200	\$ -	0.00%
81200	Rental & Leases	500	-	-	500	-	0.00%
81250	Equipment (over \$5000)	12,000	50,000	50,000	-	(12,000)	-100.00%
81300	Vehicle Replacement Fund	1,300	650	1,300	2,500	1,200	92.31%
Subtotal		\$ 14,000	\$ 51,279	\$ 52,558	\$ 3,200	\$ (10,800)	-77.14%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 39,416	\$ 17,068	\$ 37,913	\$ 40,230	\$ 814	2.07%
95300	Engineering Allocation	28,531	13,748	27,221	31,054	2,523	8.84%
95150	Maintenance Allocation	53,113	24,430	48,104	56,027	2,914	5.49%
95200	Laboratory Allocation	8,928	3,927	7,663	9,459	531	5.95%
Subtotal		\$ 129,988	\$ 59,173	\$ 120,901	\$ 136,770	\$ 6,782	5.22%
Depreciation		20,000	10,000	20,000	\$ 20,000	-	0.00%
Subtotal		\$ 20,000	\$ 10,000	\$ 20,000	\$ 20,000	\$ -	0.00%
Total		\$ 444,083	\$ 271,038	\$ 490,068	\$ 536,617	\$ 92,534	20.84%

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Wastewater Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2019-2020

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Urban Wastewater Summary

	FY 2019		FY 2020		Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	9.289			9.289	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$	2.146		\$	2.369	10.39%
Revenue	\$	7,277,082	\$ 5,151,977	\$ 10,303,954	\$ 8,033,620	10.40%
Stone Robinson WWTP		28,084	11,088	22,176	22,478	-19.96%
Septage Acceptance		410,000	226,228	452,456	450,000	9.76%
Nutrient Credits		90,000	104,060	104,060	90,000	0.00%
Miscellaneous Revenue		-	891	1,782	-	
Interest Allocation		12,500	9,482	18,964	14,400	15.20%
Total Operations Revenues	\$	7,817,666	\$ 5,503,726	\$ 10,903,392	\$ 8,610,498	10.14%

Projected Expenses

Personnel Cost	\$	1,282,792	\$ 604,367	\$ 1,204,449	\$ 1,281,463	-0.10%
Professional Services		54,000	36,719	73,438	175,000	224.07%
Other Services and Charges		1,816,225	1,216,629	2,369,737	2,030,825	11.82%
Communications		10,430	7,371	10,798	10,430	0.00%
Information Technology		57,250	1,068	48,062	62,500	9.17%
Supplies		2,700	687	1,374	2,700	0.00%
Operations and Maintenance		1,408,900	818,618	1,937,236	1,724,650	22.41%
Equipment Purchases		74,500	30,184	60,368	77,500	4.03%
Depreciation & Reserves		470,000	235,000	470,000	470,000	0.00%
Subtotal before allocations	\$	5,176,797	\$ 2,950,643	\$ 6,175,462	\$ 5,835,068	12.72%
Allocations of Support Departments		2,640,869	1,198,757	2,465,375	2,775,430	5.10%
Total Operations Expenses	\$	7,817,666	\$ 4,149,400	\$ 8,640,837	\$ 8,610,498	10.14%

Operations Cost per 1,000 gallons \$2.107 \$2.540 20.55%

Debt Service Budget

Projected Revenue

Debt Service Rate	CITY	408,260		407,588	-0.16%	
	ACSA	246,308		278,174	12.94%	
Debt Service Rate Revenue - CITY	\$	4,899,122	\$ 2,449,560	\$ 4,899,120	\$ 4,891,055	-0.16%
Debt Service Rate Revenue - ACSA		2,955,698	1,477,848	2,955,696	3,338,088	12.94%
Use of Reserves for 2016 Bond DS		300,000	150,000	300,000	-	-100.00%
County MOU - Septage		109,440	109,441	109,441	109,440	0.00%
Trust Fund Interest		26,200	53,247	106,494	96,900	269.85%
Reserve Fund Interest		148,000	155,544	311,088	266,900	80.34%
Total Debt Service Revenue	\$	8,438,460	\$ 4,395,640	\$ 8,681,839	\$ 8,702,383	3.13%

Principal, Interest & Reserves

Total Principal & Interest	\$	7,539,261	\$ 3,769,631	\$ 7,539,262	\$ 7,880,079	4.52%
Reserve Additions - Interest		148,000	155,544	311,088	266,900	80.34%
Debt Service Ratio Charge		325,000	162,500	325,000	325,000	0.00%
Est. New Debt Service - CIP Growth		426,200	213,100	426,200	230,400	-45.94%
Total Debt Principal and Interest	\$	8,438,461	\$ 4,300,775	\$ 8,601,550	\$ 8,702,379	3.13%

Rate Center Summary

Total Revenues	\$	16,256,126	\$ 9,899,366	\$ 19,585,231	\$ 17,312,881	6.50%
Total Expenses		16,256,127	8,450,175	17,242,387	17,312,877	6.50%
Surplus/(Deficit)	\$	(1)	\$ 1,449,191	\$ 2,342,844	\$ 4	

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 837,300	\$ 391,393	\$ 782,786	\$ 821,784	\$ (15,516)	-1.85%
11010	Overtime & Holiday Pay	65,000	32,137	64,274	80,000	15,000	23.08%
12010	FICA	69,026	31,222	62,444	68,986	(40)	-0.06%
12020	Health Insurance	180,849	93,657	187,314	180,472	(377)	-0.21%
12026	Employee Assistance Program	200	129	258	200	-	0.00%
12030	Retirement	80,548	30,687	61,374	79,056	(1,492)	-1.85%
12040	Life Insurance	10,969	4,812	9,624	10,765	(204)	-1.86%
12050	Fitness Program	700	564	1,128	700	-	0.00%
12060	Worker's Comp Insurance	10,800	6,428	8,571	11,200	400	3.70%
	Subtotal	\$ 1,255,392	\$ 591,029	\$ 1,177,773	\$ 1,253,163	\$ (2,229)	-0.18%
Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 2,800	\$ 650	\$ 1,300	\$ 2,800	\$ -	0.00%
13150	Education & Training	10,900	5,407	10,814	10,900	-	0.00%
13200	Travel & Lodging	5,300	1,231	2,462	5,300	-	0.00%
13250	Uniforms	6,900	4,891	9,782	7,800	900	13.04%
13325	Recruiting & Medical Testing	1,000	513	1,026	1,000	-	0.00%
13350	Other	500	646	1,292	500	-	0.00%
	Subtotal	\$ 27,400	\$ 13,338	\$ 26,676	\$ 28,300	\$ 900	3.28%
Professional Services							
20100	Legal Fees	\$ 4,000	\$ -	\$ -	\$ -	\$ (4,000)	-100.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	50,000	36,719	73,438	175,000	125,000	250.00%
	Subtotal	\$ 54,000	\$ 36,719	\$ 73,438	\$ 175,000	\$ 121,000	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 74,800	\$ 62,393	\$ 62,393	\$ 74,800	\$ -	0.00%
21150	Advertising & Communication	225	-	-	225	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	651	1,302	-	-	-
21253	Safety Programs/Supplies	8,100	12,763	25,526	38,700	30,600	377.78%
21300	Authority Dues/Permits/Fees	35,200	20,487	35,200	35,200	-	0.00%
21350	Laboratory Analysis	6,500	927	6,500	6,500	-	0.00%
21400	Utilities	870,000	593,756	1,187,512	938,000	68,000	7.82%
21420	General Other Services	804,400	525,652	1,051,304	932,400	128,000	15.91%
21430	Governance & Strategic Support	17,000	-	-	5,000	(12,000)	-70.59%
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 1,816,225	\$ 1,216,629	\$ 2,369,737	\$ 2,030,825	\$ 214,600	11.82%
Communication							
22000	Radio	\$ 3,830	\$ 3,947	\$ 3,950	\$ 3,830	\$ -	0.00%
22150	Telephone & Data Service	1,800	979	1,958	1,800	-	0.00%
22200	Cell Phones & Pagers	4,800	2,445	4,890	4,800	-	0.00%
	Subtotal	\$ 10,430	\$ 7,371	\$ 10,798	\$ 10,430	\$ -	0.00%
Information Technology							
31000	Computer Hardware	\$ 6,500	\$ 287	\$ 6,500	\$ 9,000	\$ 2,500	38.46%
31150	SCADA Maint. & Support	50,000	781	41,562	50,500	500	1.00%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	750	-	-	3,000	2,250	300.00%
	Subtotal	\$ 57,250	\$ 1,068	\$ 48,062	\$ 62,500	\$ 5,250	9.17%
Supplies							
33000	Office Supplies	\$ 2,500	\$ 95	\$ 190	\$ 2,500	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage & Delivery	200	592	1,184	200	-	0.00%
	Subtotal	\$ 2,700	\$ 687	\$ 1,374	\$ 2,700	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 70,000	\$ 32,670	\$ 65,340	\$ 85,000	\$ 15,000	21.43%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	78,000	38,245	76,490	90,000	12,000	15.38%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	195,000	32,174	364,348	195,000	-	0.00%
41400	Materials & Supplies	28,000	28,159	56,318	28,000	-	0.00%
41450	Chemicals	669,200	446,190	892,380	837,250	168,050	25.11%
41500	Vehicle Maintenance	10,000	8,921	17,842	13,500	3,500	35.00%
41550	Equipment Maint. & Repair	300,000	208,528	417,056	350,000	50,000	16.67%
41600	Instrumentation & Metering	58,700	20,862	41,724	125,900	67,200	114.48%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41650	Fuel & Lubricants	38,000	20,043	40,086	38,000	-	0.00%
41700	General Other Maintenance	(38,000)	(17,174)	(34,348)	(38,000)	-	0.00%
Subtotal		\$ 1,408,900	\$ 818,618	\$ 1,937,236	\$ 1,724,650	\$ 315,750	22.41%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 7,500	\$ 93	\$ 186	\$ 7,500	\$ -	0.00%
81200	Rental & Leases	10,000	1,591	3,182	10,000	-	0.00%
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	57,000	28,500	57,000	60,000	3,000	5.26%
Subtotal		\$ 74,500	\$ 30,184	\$ 60,368	\$ 77,500	\$ 3,000	4.03%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 945,989	\$ 409,641	\$ 909,907	\$ 965,520	\$ 19,531	2.06%
95300	Engineering Allocation	627,681	302,450	598,858	683,179	55,498	8.84%
95150	Maintenance Allocation	857,400	394,377	776,532	904,442	47,042	5.49%
95200	Laboratory Allocation	209,799	92,289	180,078	222,289	12,490	5.95%
Subtotal		\$ 2,640,869	\$ 1,198,757	\$ 2,465,375	\$ 2,775,430	\$ 134,561	5.10%
Depreciation		470,000	235,000	470,000	\$ 470,000	-	0.00%
Subtotal		\$ 470,000	\$ 235,000	\$ 470,000	\$ 470,000	\$ -	0.00%
Total		\$ 7,817,666	\$ 4,149,400	\$ 8,640,837	\$ 8,610,498	\$ 792,832	10.14%

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Glenmore Wastewater Summary

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	0.119			0.109	

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 372,720	\$ 186,360	\$ 372,720	\$ 370,524	-0.59%
Interest Allocation	600	464	928	700	16.67%
Total Operations Revenues	\$ 373,320	\$ 186,824	\$ 373,648	\$ 371,224	-0.56%

Projected Expenses

Personnel Cost	\$ 94,490	\$ 44,653	\$ 88,989	\$ 95,340	0.90%
Professional Services	3,000	-	-	-	-100.00%
Other Services and Charges	39,510	19,792	39,334	35,210	-10.88%
Communications	2,600	1,833	3,230	3,000	15.38%
Information Technology	3,350	-	3,350	3,700	10.45%
Supplies	100	-	-	100	0.00%
Operations and Maintenance	121,450	50,373	102,746	119,450	-1.65%
Equipment Purchases	2,900	1,200	2,400	2,900	0.00%
Depreciation	5,000	5,000	5,000	5,000	0.00%
Subtotal before allocations	\$ 272,400	\$ 122,851	\$ 245,049	\$ 264,700	-2.83%
Allocations of Support Departments	100,915	46,220	93,223	106,526	5.56%
Total Operations Expenses	\$ 373,315	\$ 169,071	\$ 338,272	\$ 371,226	-0.56%

Operations Cost per 1,000 gallons

\$8.595

\$9.331

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)

Debt Service Rate Revenue - ACSA	\$ 1,586	\$ 792	\$ 1,584	\$ 3,778	138.21%
Trust Fund Interest	-	-	-	-	
Reserve Fund Interest	1,000	1,087	2,174	3,100	210.00%
Total Debt Service Revenue	\$ 2,586	\$ 1,879	\$ 3,758	\$ 6,878	165.97%

Principal, Interest & Reserves

Total Principal & Interest	\$ 1,586	\$ 793	\$ 1,586	\$ 1,578	-0.50%
Estimated New Principal & Interest				\$ 2,200	
Reserve Additions - Interest	1,000	1,087	2,174	3,100	210.00%
Total Debt Principal and Interest	\$ 2,586	\$ 1,880	\$ 3,760	\$ 6,878	165.97%

Rate Center Summary

Total Revenues	\$ 375,906	\$ 188,703	\$ 377,406	\$ 378,102	0.58%
Total Expenses	375,901	170,951	342,032	378,104	0.59%
Surplus/(Deficit)	\$ 5	\$ 17,752	\$ 35,374	\$ (2)	
Rates (Monthly)					
ACSA	\$ 31,192			\$ 31,192	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 61,600	\$ 28,853	\$ 57,706	\$ 60,532	\$ (1,068)	-1.73%
11010	Overtime & Holiday Pay	4,500	2,465	4,930	6,500	2,000	44.44%
12010	FICA	5,057	2,308	4,616	5,128	71	1.40%
12020	Health Insurance	13,620	6,978	13,956	13,584	(36)	-0.26%
12026	Employee Assistance Program	15	10	20	15	-	0.00%
12030	Retirement	5,926	2,262	4,524	5,823	(103)	-1.74%
12040	Life Insurance	807	355	710	793	(14)	-1.73%
12050	Fitness Program	50	38	76	50	-	0.00%
12060	Worker's Comp Insurance	800	476	635	800	-	0.00%
	<i>Subtotal</i>	\$ 92,375	\$ 43,745	\$ 87,173	\$ 93,225	\$ 850	0.92%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 230	\$ 50	\$ 100	\$ 230	\$ -	0.00%
13150	Education & Training	775	329	658	775	-	0.00%
13200	Travel & Lodging	375	69	138	375	-	0.00%
13250	Uniforms	600	373	746	600	-	0.00%
13325	Recruiting & Medical Testing	100	39	78	100	-	0.00%
13350	Other	35	48	96	35	-	0.00%
	<i>Subtotal</i>	\$ 2,115	\$ 908	\$ 1,816	\$ 2,115	\$ -	0.00%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	3,000	-	-	-	(3,000)	-100.00%
	<i>Subtotal</i>	\$ 3,000	\$ -	\$ -	\$ -	\$ (3,000)	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 300	\$ 250	\$ 250	\$ 300	\$ -	0.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	800	673	1,346	2,000	1,200	150.00%
21300	Authority Dues/Permits/Fees	3,300	2,768	5,536	3,300	-	0.00%
21350	Laboratory Analysis	1,500	516	1,032	1,500	-	-
21400	Utilities	28,500	15,585	31,170	28,000	(500)	-1.75%
21420	General Other Services	110	-	-	110	-	-
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
	<i>Subtotal</i>	\$ 39,510	\$ 19,792	\$ 39,334	\$ 35,210	\$ (4,300)	-10.88%
Communication							
22000	Radio	\$ 400	\$ 438	\$ 440	\$ 400	\$ -	0.00%
22150	Telephone & Data Service	1,700	1,073	2,146	2,000	300	17.65%
22200	Cell Phones & Pagers	500	322	644	600	100	20.00%
	<i>Subtotal</i>	\$ 2,600	\$ 1,833	\$ 3,230	\$ 3,000	\$ 400	15.38%
Information Technology							
31000	Computer Hardware	\$ 650	\$ -	\$ 650	\$ 1,000	\$ 350	53.85%
31150	SCADA Maint. & Support	2,500	-	2,500	2,500	-	0.00%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	200	-	200	200	-	0.00%
	<i>Subtotal</i>	\$ 3,350	\$ -	\$ 3,350	\$ 3,700	\$ 350	10.45%
Supplies							
33000	Office Supplies	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage & Delivery	-	-	-	-	-	-
	<i>Subtotal</i>	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 8,500	\$ 713	\$ 1,426	\$ 8,500	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	9,000	11,898	23,796	9,000	-	0.00%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41400	Materials & Supplies	2,000	107	214	2,000	-	0.00%
41450	Chemicals	4,000	-	2,000	2,000	(2,000)	
41500	Vehicle Maintenance	750	612	1,224	750	-	0.00%
41550	Equipment Maint. & Repair	18,000	3,096	6,192	18,000	-	0.00%
41600	Instrumentation & Metering	5,100	239	478	5,100	-	0.00%
41650	Fuel & Lubricants	3,600	1,048	2,096	3,600	-	0.00%
41700	General Other Maintenance	70,000	32,660	65,320	70,000	-	0.00%
<i>Subtotal</i>		\$ 121,450	\$ 50,373	\$ 102,746	\$ 119,450	\$ (2,000)	-1.65%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 500	\$ -	\$ -	\$ 500	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	
81250	Equipment (over \$5000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	2,400	1,200	2,400	2,400	-	0.00%
<i>Subtotal</i>		\$ 2,900	\$ 1,200	\$ 2,400	\$ 2,900	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 19,708	\$ 8,534	\$ 18,956	\$ 20,115	\$ 407	2.07%
95300	Engineering Allocation	21,398	10,311	20,416	23,290	1,892	8.84%
95150	Maintenance Allocation	53,113	24,430	48,104	56,027	2,914	5.49%
95200	Laboratory Allocation	6,696	2,945	5,747	7,094	398	5.94%
<i>Subtotal</i>		\$ 100,915	\$ 46,220	\$ 93,223	\$ 106,526	\$ 5,611	5.56%
Depreciation		5,000	2,500	5,000	5,000	-	0.00%
<i>Subtotal</i>		\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	100.00%
Total		\$ 373,315	\$ 169,071	\$ 338,272	\$ 371,226	\$ 2,911	0.78%

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Scottsville Wastewater Summary

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	
Projected Flow (MGD)	0.058			0.059	

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 301,872	\$ 150,936	\$ 301,872	\$ 308,988	2.36%
Interest Allocation	500	380	760	600	20.00%
Total Operations Revenues	\$ 302,372	\$ 151,316	\$ 302,632	\$ 309,588	2.39%

Projected Expenses

Personnel Cost	\$ 94,515	\$ 44,653	\$ 88,989	\$ 95,366	0.90%
Professional Services	2,000	-	-	2,000	
Other Services and Charges	28,400	11,410	22,236	28,000	-1.41%
Communications	2,630	2,194	3,736	3,930	49.43%
Information Technology	2,350	-	2,350	1,700	-27.66%
Supplies	100	446	892	25	-75.00%
Operations and Maintenance	57,850	22,760	54,916	58,850	1.73%
Equipment Purchases	3,200	1,200	2,400	3,200	0.00%
Depreciation	18,000	9,000	18,000	18,000	0.00%
Subtotal before allocations	\$ 209,045	\$ 91,663	\$ 193,519	\$ 211,071	0.97%
Allocations of Support Departments	93,328	42,730	86,351	98,522	5.57%
Total Operations Expenses	\$ 302,373	\$ 134,393	\$ 279,870	\$ 309,593	2.39%

Operations Cost per 1,000 gallons \$15.062 \$14.376 95.45%

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)

Debt Service Rate Revenue - ACSA	\$ 8,006	\$ 4,002	\$ 8,004	\$ 9,442	17.94%
Trust Fund Interest	-	87	174	100	
Reserve Fund Interest	1,000	1,075	2,150	3,100	210.00%
Total Debt Service Revenue	\$ 9,006	\$ 5,164	\$ 10,328	\$ 12,642	40.37%

Principal, Interest & Reserves

Total Principal & Interest	\$ 8,006	\$ 4,003	\$ 8,006	\$ 7,742	-3.30%
Estimated New Principal & Interest	-	500	1,000	1,800	
Reserve Additions - Interest	1,000	1,075	2,150	3,100	210.00%
Total Debt Principal and Interest	\$ 9,006	\$ 5,578	\$ 11,156	\$ 12,642	40.37%

Rate Center Summary

Total Revenues	\$ 311,378	\$ 156,480	\$ 312,960	\$ 322,230	3.49%
Total Expenses	311,379	139,971	291,026	322,235	3.49%
Surplus/(Deficit)	\$ (1)	\$ 16,509	\$ 21,934	\$ (5)	
Rates (Monthly)					
ACSA	\$ 25,823			\$ 26,536	2.76%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 61,600	\$ 28,853	\$ 57,706	\$ 60,532	\$ (1,068)	-1.73%
11010	Overtime & Holiday Pay	4,500	2,465	4,930	6,500	2,000	44.44%
12010	FICA	5,057	2,308	4,616	5,128	71	1.40%
12020	Health Insurance	13,620	6,978	13,956	13,584	(36)	-0.26%
12026	Employee Assistance Program	15	10	20	16	1	6.67%
12030	Retirement	5,926	2,262	4,524	5,823	(103)	-1.74%
12040	Life Insurance	807	355	710	793	(14)	-1.73%
12050	Fitness Program	50	38	76	50	-	0.00%
12060	Worker's Comp Insurance	800	476	635	800	-	0.00%
	Subtotal	\$ 92,375	\$ 43,745	\$ 87,173	\$ 93,226	\$ 851	0.92%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 230	\$ 50	\$ 100	\$ 230	\$ -	0.00%
13150	Education & Training	775	329	658	775	-	0.00%
13200	Travel & Lodging	375	69	138	375	-	0.00%
13250	Uniforms	600	373	746	600	-	0.00%
13325	Recruiting & Medical Testing	100	39	78	100	-	-
13350	Other	60	48	96	60	-	0.00%
	Subtotal	\$ 2,140	\$ 908	\$ 1,816	\$ 2,140	\$ -	0.00%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	2,000	-	-	2,000	-	-
	Subtotal	\$ 2,000	\$ -	\$ -	\$ 2,000	\$ -	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 700	\$ 584	\$ 584	\$ 700	\$ -	0.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	400	305	610	2,000	1,600	400.00%
21300	Authority Dues/Permits/Fees	3,300	2,768	5,536	3,300	-	0.00%
21350	Laboratory Analysis	4,000	-	-	4,000	-	0.00%
21400	Utilities	15,000	7,753	15,506	18,000	3,000	20.00%
21420	General Other Services	-	-	-	-	-	-
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 28,400	\$ 11,410	\$ 22,236	\$ 28,000	\$ (400)	-1.41%
Communication							
22000	Radio	\$ 430	\$ 651	\$ 650	\$ 430	\$ -	0.00%
22150	Telephone & Data Service	1,700	1,404	2,808	3,000	1,300	76.47%
22200	Cell Phones & Pagers	500	139	278	500	-	0.00%
	Subtotal	\$ 2,630	\$ 2,194	\$ 3,736	\$ 3,930	\$ 1,300	49.43%
Information Technology							
31000	Computer Hardware	\$ 650	\$ -	\$ 650	\$ 1,000	\$ 350	53.85%
31150	SCADA Maint. & Support	1,500	-	1,500	500	(1,000)	-66.67%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	200	-	200	200	-	0.00%
	Subtotal	\$ 2,350	\$ -	\$ 2,350	\$ 1,700	\$ (650)	-27.66%
Supplies							
33000	Office Supplies	\$ 100	\$ -	\$ -	\$ 25	\$ (75)	-75.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage & Delivery	-	446	892	-	-	-
	Subtotal	\$ 100	\$ 446	\$ 892	\$ 25	\$ (75)	-75.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 4,800	\$ 2,821	\$ 5,642	\$ 4,800	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	10,500	-	5,000	10,500	-	0.00%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%
41400	Materials & Supplies	1,500	654	1,308	1,500	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41450	Chemicals	4,000	988	1,976	4,000	-	0.00%
41500	Vehicle Maintenance	750	686	1,372	750	-	0.00%
41550	Equipment Maint. & Repair	16,000	9,035	18,070	16,000	-	0.00%
41600	Instrumentation & Metering	10,000	302	5,000	10,000	-	0.00%
41650	Fuel & Lubricants	800	407	814	800	-	0.00%
41700	General Other Maintenance	9,000	7,867	15,734	10,000	1,000	11.11%
Subtotal		\$ 57,850	\$ 22,760	\$ 54,916	\$ 58,850	\$ 1,000	1.73%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 500	\$ -	\$ -	\$ 500	\$ -	0.00%
81200	Rental & Leases	300	-	-	300	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	2,400	1,200	2,400	2,400	-	0.00%
Subtotal		\$ 3,200	\$ 1,200	\$ 2,400	\$ 3,200	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 19,708	\$ 8,534	\$ 18,956	\$ 20,115	\$ 407	2.07%
95300	Engineering Allocation	21,398	10,311	20,416	23,290	1,892	8.84%
95150	Maintenance Allocation	45,526	20,940	41,232	48,023	2,497	5.48%
95200	Laboratory Allocation	6,696	2,945	5,747	7,094	398	5.94%
Subtotal		\$ 93,328	\$ 42,730	\$ 86,351	\$ 98,522	\$ 5,194	5.57%
Depreciation		18,000	9,000	18,000	\$ 18,000	-	0.00%
Subtotal		\$ 18,000	\$ 9,000	\$ 18,000	\$ 18,000	\$ -	0.00%
Total		\$ 302,373	\$ 134,393	\$ 279,870	\$ 309,593	\$ 7,220	2.39%

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Support Departments

Fiscal Year 2019-2020

Rivanna Water and Sewer Authority

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Rivanna Water & Sewer Authority
 FY 2020 Proposed Budget

Administration

FY 2019			FY 2020		Budget % Change
Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget		

Operations Budget

Projected Revenues & Sources

Payment for Services SWA	\$ 460,000	\$ 230,000	\$ 460,000	\$ 466,000	1.30%
Miscellaneous Revenue	2,000	6,478	12,956	2,000	0.00%
Total Operations Revenues	\$ 462,000	\$ 236,478	\$ 472,956	\$ 468,000	1.30%

Projected Expenses

Personnel Cost	\$ 1,796,151	\$ 865,553	\$ 1,738,874	\$ 1,841,351	2.52%
Professional Services	228,000	75,385	228,636	229,000	0.44%
Other Services and Charges	140,980	60,570	135,852	106,400	-24.53%
Communications	20,280	11,550	21,784	18,500	-8.78%
Information Technology	138,500	40,517	133,202	174,250	25.81%
Supplies	21,000	11,447	22,894	21,500	2.38%
Operations and Maintenance	60,400	18,625	59,854	64,500	6.79%
Equipment Purchases	27,500	6,250	27,500	24,000	-12.73%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 2,432,811	\$ 1,089,897	\$ 2,368,596	\$ 2,479,501	1.92%

Department Summary

Total Revenues		\$ 462,000	\$ 236,478	\$ 472,956	\$ 468,000	1.30%
Total Expenses		2,432,811	1,089,897	2,368,596	2,479,501	1.92%
Net Costs Allocable to Rate Centers		\$ (1,970,811)	\$ (853,419)	\$ (1,895,640)	\$ (2,011,501)	2.06%
Allocations to the Rate Centers						
Urban Water	44.00%	\$ 867,157	\$ 375,504	\$ 834,082	\$ 885,060	
Crozet Water	4.00%	78,832	34,137	75,826	80,460	
Scottsville Water	2.00%	39,416	17,068	37,913	40,230	
Urban Wastewater	48.00%	945,989	409,641	909,907	965,520	
Glenmore Wastewater	1.00%	19,708	8,534	18,956	20,115	
Scottsville Wastewater	1.00%	19,708	8,534	18,956	20,115	
	100.00%	\$ 1,970,810	\$ 853,418	\$ 1,895,640	\$ 2,011,500	

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Administration

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 1,298,900	\$ 638,936	\$ 1,277,872	\$ 1,329,850	\$ 30,950	2.38%
11010	Overtime & Holiday Pay	1,500	835	1,670	1,500	-	0.00%
12010	FICA	99,481	41,146	82,292	101,848	2,367	2.38%
12020	Health Insurance	210,000	105,793	211,586	217,000	7,000	3.33%
12026	Employee Assistance Program	200	148	296	200	-	0.00%
12030	Retirement	124,954	50,660	101,320	127,932	2,978	2.38%
12040	Life Insurance	17,016	7,882	15,764	17,421	405	2.38%
12050	Fitness Program	2,700	1,384	2,768	3,000	300	11.11%
12060	Worker's Comp Insurance	4,700	2,826	3,768	4,700	-	0.00%
	Subtotal	\$ 1,759,451	\$ 849,610	\$ 1,697,336	\$ 1,803,451	\$ 44,000	2.50%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 2,000	\$ 315	\$ 2,000	\$ 2,000	\$ -	0.00%
13150	Education & Training	19,000	3,859	18,000	19,000	-	0.00%
13200	Travel & Lodging	5,000	2,366	4,732	4,500	(500)	-10.00%
13250	Uniforms	1,500	1,481	2,962	1,500	-	0.00%
13325	Recruiting & Medical Testing	1,200	1,645	3,290	1,000	(200)	-16.67%
13350	Other	8,000	6,277	10,554	9,900	1,900	23.75%
	Subtotal	\$ 36,700	\$ 15,943	\$ 41,538	\$ 37,900	\$ 1,200	3.27%
Professional Services							
20100	Legal Fees	\$ 60,000	\$ 30,318	\$ 60,636	\$ 60,000	\$ -	0.00%
20200	Financial & Admin. Services	68,000	15,067	68,000	69,000	1,000	1.47%
20250	Bond Issue Costs	-	-	-	-	-	0.00%
20300	Engineering & Technical Services	100,000	30,000	100,000	100,000	-	0.00%
	Subtotal	\$ 228,000	\$ 75,385	\$ 228,636	\$ 229,000	\$ 1,000	0.44%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 11,900	\$ 9,926	\$ 9,926	\$ 11,200	\$ (700)	-5.88%
21150	Advertising & Communication	15,000	7,361	14,722	15,000	-	0.00%
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	500	-	-	-	(500)	-
21253	Safety Programs/Supplies	5,000	2,549	35,098	5,000	-	0.00%
21300	Authority Dues/Permits/Fees	35,000	22,681	35,000	37,100	2,100	6.00%
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	900	499	998	1,100	200	22.22%
21420	General Other Services	3,000	1,023	2,046	2,000	(1,000)	-33.33%
21430	Governance & Strategic Support	64,680	16,531	33,062	30,000	(34,680)	-53.62%
21450	Bad Debt	5,000	-	5,000	5,000	-	-
	Subtotal	\$ 140,980	\$ 60,570	\$ 135,852	\$ 106,400	\$ (34,580)	-24.53%
Communication							
22000	Radio	\$ 1,280	\$ 1,316	\$ 1,316	\$ 1,200	\$ (80)	-6.25%
22150	Telephone & Data Service	12,000	5,106	10,212	10,000	(2,000)	-16.67%
22200	Cell Phones & Pagers	7,000	5,128	10,256	7,300	300	4.29%
	Subtotal	\$ 20,280	\$ 11,550	\$ 21,784	\$ 18,500	\$ (1,780)	-8.78%
Information Technology							
31000	Computer Hardware	\$ 20,000	\$ 10,092	\$ 20,184	\$ 27,000	\$ 7,000	35.00%
31150	SCADA Maint. & Support	42,500	1,622	40,000	21,500	(21,000)	-
31200	Maintenance & Support Services	63,000	22,294	60,000	91,750	28,750	45.63%
31250	Software Purchases	13,000	6,509	13,018	34,000	21,000	161.54%
	Subtotal	\$ 138,500	\$ 40,517	\$ 133,202	\$ 174,250	\$ 35,750	25.81%
Supplies							
33000	Office Supplies	\$ 15,000	\$ 7,364	\$ 14,728	\$ 15,000	\$ -	0.00%
33150	Subscriptions/Reference Material	1,000	465	930	800	(200)	-20.00%
33350	Postage & Delivery	5,000	3,618	7,236	5,700	700	14.00%
	Subtotal	\$ 21,000	\$ 11,447	\$ 22,894	\$ 21,500	\$ 500	2.38%
Operation & Maintenance							
41000	Building & Grounds	\$ 53,000	\$ 14,343	\$ 50,000	\$ 53,000	\$ -	0.00%
41150	Building & Land Lease	-	1,416	2,832	4,100	4,100	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials & Supplies	400	-	400	400	-	0.00%
41450	Chemicals	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Administration

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41500	Vehicle Maintenance	3,000	805	2,500	3,000	-	0.00%
41550	Equipment Maint. & Repair		-	-	-	-	
41600	Instrumentation & Metering		-	-	-	-	
41650	Fuel & Lubricants	4,000	2,061	4,122	4,000	-	0.00%
41700	General Other Maintenance		-	-	-	-	
Subtotal		\$ 60,400	\$ 18,625	\$ 59,854	\$ 64,500	\$ 4,100	6.79%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ -	\$ -	\$ -	\$ -	\$ -	
81200	Rental & Leases		-	-	-	-	
81250	Equipment (over \$5000)	15,000	-	15,000	10,000	(5,000)	
81300	Vehicle Replacement Fund	12,500	6,250	12,500	14,000	1,500	12.00%
Subtotal		\$ 27,500	\$ 6,250	\$ 27,500	\$ 24,000	\$ (3,500)	-12.73%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Depreciation		-	-	-	\$ -	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 2,432,811	\$ 1,089,897	\$ 2,368,596	\$ 2,479,501	\$ 46,690	1.92%

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Rivanna Water & Sewer Authority
 FY 2020 Proposed Budget

Maintenance

	FY 2019			FY 2020	Budget % Change
	Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget

Projected Revenues

Miscellaneous Revenue	\$	-	\$	1,534	\$	3,068	\$	-	
Payment for Services SWA									10,000

Total Operations Revenues

\$	-	\$	1,534	\$	3,068	\$	10,000
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Projected Expenses

Personnel Cost	\$	1,304,247	\$	585,115	\$	1,163,449	\$	1,345,633	3.17%
Professional Services		-		-		-		-	
Other Services and Charges		17,500		10,729		16,644		14,500	-17.14%
Communications		17,325		12,071		2,306		17,600	1.59%
Information Technology		6,500		3,025		8,050		6,500	0.00%
Supplies		2,000		361		722		2,000	0.00%
Operations and Maintenance		64,300		42,192		84,384		77,400	20.37%
Equipment Purchases		105,650		46,053		101,906		147,150	39.28%
Depreciation		-		-		-		-	

Total Operations Expenses

\$	1,517,522	\$	699,546	\$	1,377,461	\$	1,610,783	6.15%
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Department Summary

Total Revenues		\$	-	\$	1,534	\$	3,068	\$	10,000
Total Expenses			1,517,522		699,546		1,377,461		1,610,783
Net Costs Allocable to Rate Centers		\$	(1,517,522)	\$	(698,012)	\$	(1,374,393)	\$	(1,600,783)
<u>Allocations to the Rate Centers</u>									
Urban Water	30.00%	\$	455,257	\$	209,404	\$	412,318	\$	480,235
Crozet Water	3.50%		53,113		24,430		48,104		56,027
Scottsville Water	3.50%		53,113		24,430		48,104		56,027
			-		-		-		-
Urban Wastewater	56.50%		857,400		394,377		776,532		904,442
Glenmore Wastewater	3.50%		53,113		24,430		48,104		56,027
Scottsville Wastewater	3.00%		45,526		20,940		41,232		48,023
	100.00%	\$	1,517,522	\$	698,011	\$	1,374,394	\$	1,600,781

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Maintenance

2019	2019
vs.	vs.
2020	2020
Variance	Variance
\$	%

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019 vs. 2020 Variance \$	2019 vs. 2020 Variance %
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019			
Salaries & Benefits							
10000	Salaries	\$ 880,100	\$ 402,947	\$ 805,894	\$ 908,500	\$ 28,400	3.23%
11010	Overtime & Holiday Pay	6,000	1,572	3,144	6,000	-	0.00%
12010	FICA	67,787	29,533	59,066	69,959	2,172	3.20%
12020	Health Insurance	210,000	93,221	186,442	217,000	7,000	3.33%
12026	Employee Assistance Program	250	140	280	250	-	0.00%
12030	Retirement	84,666	32,294	64,588	87,398	2,732	3.23%
12040	Life Insurance	11,529	5,044	10,088	11,901	372	3.23%
12050	Fitness Program	-	130	260	260	260	-
12060	Worker's Comp Insurance	17,000	10,172	13,563	17,200	200	1.18%
	Subtotal	\$ 1,277,332	\$ 575,053	\$ 1,143,325	\$ 1,318,468	\$ 41,136	3.22%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 500	\$ 64	\$ 128	\$ 500	\$ -	-
13150	Education & Training	11,000	2,295	4,590	11,000	-	0.00%
13200	Travel & Lodging	500	175	350	500	-	-
13250	Uniforms	13,915	5,610	11,220	13,915	-	0.00%
13325	Recruiting & Medical Testing	500	383	766	500	-	-
13350	Other	500	1,535	3,070	750	250	-
	Subtotal	\$ 26,915	\$ 10,062	\$ 20,124	\$ 27,165	\$ 250	0.93%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 7,500	\$ 6,256	\$ 6,256	\$ 7,500	\$ -	0.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	150	300	-	-	-
21253	Safety Programs/Supplies	2,500	4,034	8,068	4,500	2,000	80.00%
21300	Authority Dues/Permits/Fees	-	10	20	-	-	-
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	-	-	-	-	-	-
21420	General Other Services	2,500	279	2,000	2,500	-	0.00%
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 17,500	\$ 10,729	\$ 16,644	\$ 14,500	\$ (3,000)	-17.14%
Communication							
22000	Radio	\$ 6,900	\$ 7,018	\$ 7,018	\$ 7,000	\$ 100	1.45%
22150	Telephone & Data Service	825	288	576	1,000	175	21.21%
22200	Cell Phones & Pagers	9,600	4,765	9,530	9,600	-	0.00%
	Subtotal	\$ 17,325	\$ 12,071	\$ 17,124	\$ 17,600	\$ 275	1.59%
Information Technology							
31000	Computer Hardware	\$ 2,000	\$ -	\$ 2,000	\$ 2,000	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	-	-	-
31200	Maintenance & Support Services	2,500	775	1,550	2,500	-	0.00%
31250	Software Purchases	2,000	2,250	4,500	2,000	-	0.00%
	Subtotal	\$ 6,500	\$ 3,025	\$ 8,050	\$ 6,500	\$ -	0.00%
Supplies							
33000	Office Supplies	\$ 2,000	\$ 361	\$ 722	\$ 2,000	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage & Delivery	-	-	-	-	-	-
	Subtotal	\$ 2,000	\$ 361	\$ 722	\$ 2,000	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 9,300	\$ 2,593	\$ 5,186	\$ 11,000	\$ 1,700	18.28%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	2,500	-	-	2,500	-	0.00%
41400	Materials & Supplies	8,000	6,419	12,838	12,000	4,000	50.00%
41450	Chemicals	-	556	1,112	-	-	-
41500	Vehicle Maintenance	11,000	16,117	32,234	14,900	3,900	35.45%
41550	Equipment Maint. & Repair	13,500	7,519	15,038	15,500	2,000	14.81%
41600	Instrumentation & Metering	1,500	1,587	3,174	1,500	-	0.00%
41650	Fuel & Lubricants	18,500	7,401	14,802	20,000	1,500	8.11%
41700	General Other Maintenance	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Maintenance

2019	2019
vs.	vs.
2020	2020
Variance	Variance
\$	%

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019 vs. 2020	
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		Variance \$	Variance %
<i>Subtotal</i>		\$ 64,300	\$ 42,192	\$ 84,384	\$ 77,400	\$ 13,100	20.37%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 12,850	\$ 4,903	\$ 9,806	\$ 14,850	\$ 2,000	15.56%
81200	Rental & Leases	1,000	150	300	3,500	2,500	250.00%
81250	Equipment (over \$5000)	9,800	-	9,800	36,800	27,000	275.51%
81300	Vehicle Replacement Fund	82,000	41,000	82,000	92,000	10,000	12.20%
<i>Subtotal</i>		\$ 105,650	\$ 46,053	\$ 101,906	\$ 147,150	\$ 41,500	39.28%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	\$ -	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,517,522	\$ 699,546	\$ 1,392,279	\$ 1,610,783	\$ 93,261	6.15%

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Laboratory Summary

FY 2019			FY 2020	Budget % Change
Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget	

Operations Budget

Projected Revenues
 N/A

Projected Expenses

Personnel Cost	\$ 301,101	\$ 148,094	\$ 294,398	\$ 394,222	30.93%
Professional Services	-	-	-	-	
Other Services and Charges	14,230	1,657	5,872	9,230	-35.14%
Communications	800	1,153	-	1,153	44.13%
Information Technology	2,500	-	-	2,500	0.00%
Supplies	2,150	386	772	2,150	0.00%
Operations and Maintenance	53,500	34,251	68,502	61,500	14.95%
Equipment Purchases	72,100	10,818	13,600	2,200	-96.95%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 446,381	\$ 196,359	\$ 383,144	\$ 472,955	5.95%

Department Summary						
Total Revenues		\$ -	\$ -	\$ -	\$ -	
Total Expenses		446,381	196,359	383,144	472,955	5.95%
Net Costs Allocable to Rate Centers		\$ (446,381)	\$ (196,359)	\$ (383,144)	\$ (472,955)	
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 196,408	\$ 86,398	\$ 168,583	\$ 208,100	
Crozet Water	4.00%	17,855	7,854	15,326	18,918	
Scottsville Water	2.00%	8,928	3,927	7,663	9,459	
		-	-	-	-	
Urban Wastewater	47.00%	209,799	92,289	180,078	222,289	
Glenmore Wastewater	1.50%	6,696	2,945	5,747	7,094	
Scottsville Wastewater	1.50%	6,696	2,945	5,747	7,094	
	100.00%	\$ 446,382	\$ 196,358	\$ 383,144	\$ 472,954	

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 204,800	\$ 103,026	\$ 206,052	\$ 273,465	\$ 68,665	33.53%
11010	Overtime & Holiday Pay	9,000	6,557	13,114	6,000	(3,000)	-33.33%
12010	FICA	16,356	7,996	15,992	21,379	5,023	30.71%
12020	Health Insurance	36,400	14,417	28,834	50,429	14,029	38.54%
12026	Employee Assistance Program	50	28	56	50	-	0.00%
12030	Retirement	19,702	8,151	16,302	26,307	6,605	33.52%
12040	Life Insurance	2,683	1,258	2,516	3,582	899	33.51%
12050	Fitness Program	500	260	520	500	-	-
12060	Worker's Comp Insurance	4,500	2,685	3,580	5,400	900	20.00%
Subtotal		\$ 293,991	\$ 144,378	\$ 286,966	\$ 387,112	\$ 93,121	31.67%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 500	\$ 211	\$ 422	\$ 500	\$ -	0.00%
13150	Education & Training	1,680	1,275	2,550	1,680	-	0.00%
13200	Travel & Lodging	1,930	1,820	3,640	1,930	-	0.00%
13250	Uniforms	2,000	75	150	2,000	-	0.00%
13325	Recruiting & Medical Testing	600	-	-	600	-	0.00%
13350	Other	400	335	670	400	-	0.00%
Subtotal		\$ 7,110	\$ 3,716	\$ 7,432	\$ 7,110	\$ -	0.00%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 530	\$ 442	\$ 442	\$ 530	\$ -	0.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	600	1,200	-	-	-
21253	Safety Programs/Supplies	700	134	268	700	-	0.00%
21300	Authority Dues/Permits/Fees	3,000	-	3,000	3,000	-	0.00%
21350	Laboratory Analysis	4,500	481	962	4,500	-	0.00%
21400	Utilities	-	-	-	-	-	#DIV/0!
21420	General Other Services	500	-	-	500	-	0.00%
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 14,230	\$ 1,657	\$ 5,872	\$ 9,230	\$ (5,000)	-35.14%
Communication							
22000	Radio	\$ -	\$ -	\$ -	-	\$ -	-
22150	Telephone & Data Service	-	-	-	-	-	-
22200	Cell Phones & Pagers	800	1,153	2,306	1,153	353	44.13%
Subtotal		\$ 800	\$ 1,153	\$ 2,306	\$ 1,153	\$ 353	-
Information Technology							
31000	Computer Hardware	\$ 1,500	\$ -	\$ -	\$ 1,500	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	-	-	-
31200	Maintenance & Support Services	800	-	-	800	-	0.00%
31250	Software Purchases	200	-	-	200	-	0.00%
Subtotal		\$ 2,500	\$ -	\$ -	\$ 2,500	\$ -	0.00%
Supplies							
33000	Office Supplies	\$ 1,500	\$ 329	\$ 658	\$ 1,500	\$ -	0.00%
33150	Subscriptions/Reference Material	300	-	-	300	-	-
33350	Postage & Delivery	350	57	114	350	-	0.00%
Subtotal		\$ 2,150	\$ 386	\$ 772	\$ 2,150	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ -	\$ -	\$ -	\$ -	\$ -	-
41100	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41400	Materials & Supplies	30,000	17,150	34,300	30,000	-	0.00%
41450	Chemicals	15,000	6,249	12,498	15,000	-	0.00%
41500	Vehicle Maintenance	-	3,897	7,794	-	-	-
41550	Equipment Maint. & Repair	6,000	6,667	13,334	6,000	-	0.00%
41600	Instrumentation & Metering	2,000	-	-	10,000	8,000	-
41650	Fuel & Lubricants	500	288	576	500	-	-
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 53,500	\$ 34,251	\$ 68,502	\$ 61,500	\$ 8,000	14.95%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 500	\$ -	\$ -	\$ 500	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	70,000	10,018	12,000	-	(70,000)	-
81300	Vehicle Replacement Fund	1,600	800	1,600	1,700	100	6.25%
Subtotal		\$ 72,100	\$ 10,818	\$ 13,600	\$ 2,200	\$ (69,900)	-96.95%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	\$ -	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 446,381	\$ 196,359	\$ 385,450	\$ 472,955	\$ 26,574	5.95%

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Engineering Summary

FY 2019			FY 2020		Budget % Change
Budgeted FY 2019	Actual for 6 months	Projected 12 months	Proposed Budget		

Operations Budget

Projected Revenues

Payment for Services SWA	\$	-	\$	14,246	\$	28,492	\$	-
Total Operations Revenues	\$	-	\$	14,246	\$	28,492	\$	-

Projected Expenses

Personnel Cost	\$	1,210,438	\$	587,637	\$	1,170,777	\$	1,347,631	11.33%
Professional Services		44,000		8,252		16,504		20,000	-54.55%
Other Services and Charges		19,550		26,027		47,967		10,350	-47.06%
Communications		17,180		8,528		11,908		14,500	-15.60%
Information Technology		44,500		27,847		55,694		21,200	-52.36%
Supplies		9,500		2,026		4,052		9,800	3.16%
Operations and Maintenance		54,880		28,566		57,132		86,798	58.16%
Equipment Purchases		26,500		12,750		25,500		42,400	60.00%
Depreciation		-		-		-		-	
Total Operations Expenses	\$	1,426,548	\$	701,633	\$	1,389,534	\$	1,552,679	8.84%

Department Summary									
Total Revenues		\$	-	\$	14,246	\$	28,492	\$	-
Total Expenses			1,426,548		701,633		1,389,534		1,552,679
Net Costs Allocable to Rate Centers		\$	(1,426,548)	\$	(687,387)	\$	(1,361,042)	\$	(1,552,679)
<u>Allocations to the Rate Centers</u>									
Urban Water	47.00%	\$	670,478	\$	323,072	\$	639,690	\$	729,759
Crozet Water	4.00%		57,062		27,495		54,442		62,107
Scottsville Water	2.00%		28,531		13,748		27,221		31,054
Urban Wastewater	44.00%		627,681		302,450		598,858		683,179
Glenmore Wastewater	1.50%		21,398		10,311		20,416		23,290
Scottsville Wastewater	1.50%		21,398		10,311		20,416		23,290
	100.00%	\$	1,426,548	\$	687,387	\$	1,361,043	\$	1,552,679

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 861,350	\$ 433,776	\$ 867,552	\$ 957,874	\$ 96,524	11.21%
11010	Overtime & Holiday Pay	6,000	3,087	6,174	6,000	-	0.00%
12010	FICA	66,352	31,982	63,964	73,736	7,384	11.13%
12020	Health Insurance	134,700	57,728	115,456	151,286	16,586	12.31%
12026	Employee Assistance Program	140	98	196	150	10	7.14%
12030	Retirement	82,862	35,229	70,458	92,147	9,285	11.21%
12040	Life Insurance	11,284	5,513	11,026	12,548	1,264	11.20%
12050	Fitness Program	2,000	1,038	2,076	2,000	-	0.00%
12060	Worker's Comp Insurance	18,800	11,246	14,995	18,200	(600)	-3.19%
Subtotal		\$ 1,183,488	\$ 579,697	\$ 1,151,897	\$ 1,313,941	\$ 130,453	11.02%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 2,200	\$ 1,295	\$ 2,590	\$ 2,500	\$ 300	13.64%
13150	Education & Training	8,450	2,544	8,088	12,840	4,390	51.95%
13200	Travel & Lodging	11,300	2,665	5,330	13,300	2,000	17.70%
13250	Uniforms	3,500	521	1,042	3,500	-	0.00%
13325	Recruiting & Medical Testing	500	55	110	550	50	10.00%
13350	Other	1,000	860	1,720	1,000	-	0.00%
Subtotal		\$ 26,950	\$ 7,940	\$ 18,880	\$ 33,690	\$ 6,740	25.01%
Professional Services							
20100	Legal Fees	\$ 25,000	\$ 143	\$ 286	\$ 5,000	\$ (20,000)	-80.00%
20200	Financial & Admin. Services	4,000	-	-	-	(4,000)	-100.00%
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	15,000	8,109	16,218	15,000	-	0.00%
Subtotal		\$ 44,000	\$ 8,252	\$ 16,504	\$ 20,000	\$ (24,000)	-54.55%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 4,900	\$ 4,087	\$ 4,087	\$ 4,900	\$ -	0.00%
21150	Advertising & Communication	200	-	-	200	-	0.00%
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	4,000	644	1,288	3,000	(1,000)	-25.00%
21300	Authority Dues/Permits/Fees	1,500	1,090	2,180	1,500	-	0.00%
21350	Laboratory Analysis	250	-	-	250	-	0.00%
21400	Utilities	300	186	372	500	200	66.67%
21420	General Other Services	3,400	20,020	40,040	-	(3,400)	-100.00%
21430	Governance & Strategic Support	5,000	-	-	-	(5,000)	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 19,550	\$ 26,027	\$ 47,967	\$ 10,350	\$ (9,200)	-47.06%
Communication							
22000	Radio	\$ 8,000	\$ 4,824	\$ 4,500	\$ 4,500	\$ (3,500)	-43.75%
22150	Telephone & Data Service	1,500	697	1,394	1,500	-	0.00%
22200	Cell Phones & Pagers	7,680	3,007	6,014	8,500	820	10.68%
Subtotal		\$ 17,180	\$ 8,528	\$ 11,908	\$ 14,500	\$ (2,680)	-15.60%
Information Technology							
31000	Computer Hardware	\$ 7,000	\$ 331	\$ 662	\$ 9,000	\$ 2,000	28.57%
31150	SCADA Maint. & Support	-	-	-	-	-	-
31200	Maintenance & Support Services	34,500	27,516	55,032	9,200	(25,300)	-73.33%
31250	Software Purchases	3,000	-	-	3,000	-	0.00%
Subtotal		\$ 44,500	\$ 27,847	\$ 55,694	\$ 21,200	\$ (23,300)	-52.36%
Supplies							
33000	Office Supplies	\$ 5,000	\$ 1,854	\$ 3,708	\$ 5,000	\$ -	0.00%
33150	Subscriptions/Reference Material	4,000	33	66	4,200	200	5.00%
33350	Postage & Delivery	500	139	278	600	100	20.00%
Subtotal		\$ 9,500	\$ 2,026	\$ 4,052	\$ 9,800	\$ 300	3.16%
Operation & Maintenance							
41000	Building & Grounds	\$ 18,940	\$ 7,120	\$ 14,240	\$ 29,500	\$ 10,560	55.76%
41150	Building & Land Lease	-	-	-	6,600	6,600	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	19,690	6,857	13,714	20,698	1,008	5.12%
41400	Materials & Supplies	4,250	1,422	2,844	4,000	(250)	-5.88%
41450	Chemicals	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41500	Vehicle Maintenance	6,000	9,980	19,960	20,000	14,000	233.33%
41550	Equipment Maint. & Repair	1,000	19	38	500	(500)	-50.00%
41600	Instrumentation & Metering	-	-	-	-	-	-
41650	Fuel & Lubricants	5,000	3,168	6,336	5,500	500	10.00%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 54,880	\$ 28,566	\$ 57,132	\$ 86,798	\$ 31,918	58.16%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 8,000	\$ 3,500	\$ 7,000	\$ 23,800	\$ 15,800	197.50%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	18,500	9,250	18,500	18,600	100	0.54%
Subtotal		\$ 26,500	\$ 12,750	\$ 25,500	\$ 42,400	\$ 15,900	60.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	\$ -	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,426,548	\$ 701,633	\$ 1,389,534	\$ 1,552,679	\$ 126,131	8.84%

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APPENDICES

Rivanna Water and Sewer Authority

Fiscal Year 2019-2020

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Flow Projections

		<i>(1,000 GALLONS)</i>			<i>(MILLION GALLONS PER DAY)</i>		
		<u>FY 2019</u>	<u>FY 2020</u>	<u>% Change</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>% Change</u>
Water							
	Urban	3,397,700	3,397,700	0.00%	9.309	9.309	0.00%
	Crozet	196,946	199,053	1.07%	0.540	0.545	0.93%
	Scottsville	18,738	18,151	-3.13%	0.051	0.050	-1.96%
	Total	3,613,384	3,614,904	0.04%	9.900	9.904	0.04%
Wastewater							
	Urban	3,390,400	3,390,400	0.00%	9.289	9.289	0.00%
	Glenmore	43,412	39,892	-8.11%	0.119	0.109	-8.40%
	Scottsville	19,966	21,677	8.57%	0.055	0.059	7.27%
	Total	3,453,778	3,451,969	-0.05%	9.463	9.457	-0.06%

Allocation (Urban Area Only)	<u>FY 2019</u>	<u>FY 2020</u>	<u>% Change</u>
<u>Water</u>			
City	51%	51%	0.00%
ACSA	49%	49%	0.00%
<u>Wastewater</u>			
City	51%	50%	-1.96%
ACSA	49%	50%	2.04%

FY 2020 allocations are based on FY 2018 retail flows reported by the City and ACSA.

		<i>(1,000 GALLONS)</i>			<i>(MILLION GALLONS PER DAY)</i>		
		<u>FY 2019</u>	<u>FY 2020</u>	<u>% Change</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>% Change</u>
Allocation (Urban Area Only)							
<u>Water</u>							
	City	1,732,827	1,732,827	0.00%	4.747	4.747	0.00%
	ACSA	1,664,873	1,664,873	0.00%	4.561	4.561	0.00%
		3,397,700	3,397,700				
<u>Wastewater</u>							
	City	1,729,104	1,695,200	-1.96%	4.737	4.644	-1.96%
	ACSA	1,661,296	1,695,200	2.04%	4.551	4.644	2.04%
		3,390,400	3,390,400				

URBAN WATER DEBT SERVICE COSTS
Summary of Debt Service Budget to be included in Monthly Charges

City Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2020	City %	City Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		135,051	51.00%	68,876	
14.20% of 2015B Bond - New Projects		240,463	51.00%	122,636	191,512
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(54,000)	51.00%	(27,540)	
Buck Mountain Surcharge		(125,900)	FIXED	(25,900)	
Lease Revenues		(1,600)	51.00%	(816)	(54,256)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,338,456	15.00%	200,768	
9.00% of 2015B Bond - Refunding		142,009	15.00%	21,301	
<i>Water Pipeline (20%/80%)</i>					
10.39% of 2018 Bond		234,274	20.00%	46,855	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.40% of 2015B Bond - Refunding		747,916	48.00%	359,000	
77.80% of 2015B Bond - New Projects		1,317,465	48.00%	632,383	
37.70% of 2018 Bond		850,062	48.00%	408,030	
<i>South Rivanna Expansion of 1999</i>					
10.30% of 2015B Bond - Refunding		162,522	0.00%	-	1,668,337
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		11,197	24.51%	2,744	2,744
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		44,083	52.00%	22,923	22,923
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
<i>CIP Growth Rate from 2016-2020 CIP</i>		736,600	FIXED	343,700	343,700
<i>Debt Service Coverage Ratio / Policy Charge</i>		400,000	37.00%	148,000	148,000
Total Debt Service For Rate Computation		\$ 6,178,598		\$ 2,322,960	\$ 2,322,960

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2020	ACSA %	ACSA Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		135,051	49.00%	66,175	
14.20% of 2015B Bond - New Projects		240,463	49.00%	117,827	184,002
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(54,000)	49.00%	(26,460)	
Buck Mountain Surcharge		(125,900)	FIXED	(100,000)	
Lease Revenues		(1,600)	49.00%	(784)	(127,244)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,338,456	85.00%	1,137,688	
9.00% of 2015B Bond - Refunding		142,009	85.00%	120,708	
<i>Water Pipeline (20%/80%)</i>					
10.39% of 2018 Bond		234,274	80.00%	187,419	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.40% of 2015B Bond - Refunding		747,916	52.00%	388,916	
77.80% of 2015B Bond - New Projects		1,317,465	52.00%	685,082	
37.70% of 2018 Bond		850,062	52.00%	442,032	
<i>South Rivanna Expansion of 1999</i>					
10.30% of 2015B Bond - Refunding		162,522	100.00%	162,522	3,124,367
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		11,197	75.49%	8,453	8,453
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		44,083	48.00%	21,160	21,160
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
<i>CIP Growth Rate from 2016-2020 CIP</i>		736,600	FIXED	392,900	392,900
<i>Debt Service Coverage Ratio / Policy Charge</i>		400,000	63.00%	252,000	252,000
Total Debt Service For Rate Computation		\$ 6,178,598		\$ 3,855,638	\$ 3,855,638

SUMMARY OF DEBT SERVICE REVENUES:			
CITY SHARE OF TOTAL DEBT SERVICE	\$	2,322,960	38%
ACSA SHARE OF TOTAL DEBT SERVICE		3,855,638	62%
	\$	6,178,598	100%

URBAN WASTEWATER DEBT SERVICE COSTS
Summary of Debt Service Budget to be Included in Charges

City Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2020	City %	City Amount	
ALLOCATION BASED ON FLOWS					
<i>System Projects Rate</i>					
	22.9% of 2015B Bond Refunding	361,335	50%	180,668	
	100% 2005A Bond VRA/VRLF	159,339	50%	79,670	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	50%	709,858	
	37.9% of 2011 A,B Bond VRA/VRLF	192,130	50%	96,065	
	30.6% of 2012A Bond (new money)	370,610	50%	185,305	
	100% of 2016 Bond	627,265	50%	313,633	
	2.41% of 2018 Bond	54,341	50%	27,171	1,592,370
<i>Revenues/Reserves that offset Debt Service</i>					
	County MOU - Septage	(109,440)	50%	(54,720)	
	Use of reserves for 2016 Bond DS	-	50%	-	
	Trust Fund Interest	(96,900)	50%	(48,450)	(103,170)
ALLOCATION BASED ON FIXED AGREEMENTS					
<u>2014 Wastewater Agreement</u>					
<i>Meadowcreek</i>	97.9% of 2010A, and 13.6% of 2012A Bonds	1,107,418	Segments	908,803	
<i>Wet Weather MCWWTP</i>	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	499,293	Segments	317,447	
<i>Moore's Creek Pump Stn.</i>	100% of 2011 D/E Bond	296,944	Segments	181,964	
<i>Rivanna Pump Stn. & F.M.</i>	7.2% of 2012A Bond & 100% of 2014A Bond	1,969,538	Segments	1,233,420	
<i>Albemarle Berkley Pump Stn.</i>	4.2% of 2012A Bond	50,868	0%	-	
<i>Crozet Interceptor</i>	2.9% of 2012A Bond & 13.78% of 2018	345,835	0%	-	
<i>Schenks Branch Agreement</i>	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	332,642	100%	332,642	2,974,276
<i>Four Party Rate</i>					
<i>Regional System Projects</i>	19.6% of 2012A Refunding Bond	56,341	N/A	18,780	
<i>Crozet Interceptor</i>	3.9% of 2012A Refunding Bond	11,226	N/A	3,742	
<i>Facilities Purchase</i>	7.2% of 2012A Refunding Bond	20,562	N/A	6,854	29,376
<i>Moore's Creek Relief IS, Pt 1</i>	1.6% of 2012A Refunding Bond	4,676	30%	1,403	1,403
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
	CIP Growth Charge from 2016-2020 CIP	230,400	Fixed	195,300	195,300
	Debt Service Coverage Ratio / Policy Charge	325,000	62%	201,500	201,500
Total		\$ 8,229,139		\$ 4,891,055	\$ 4,891,055

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2020	ACSA %	ACSA Amount	
ALLOCATION BASED ON FLOWS					
<i>System Projects Rate</i>					
	22.9% of 2015B Bond Refunding	361,335	50%	180,668	
	100% 2005A Bond VRA/VRLF	159,339	50%	79,670	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	50%	709,858	
	37.9% of 2011 A,B Bond VRA/VRLF	192,130	50%	96,065	
	30.6% of 2012A Bond (new money)	370,610	50%	185,305	
	100% of 2016 Bond	627,265	50%	313,633	
	2.41% of 2018 Bond	54,341	50%	27,171	1,592,370
<i>Revenues that offset Debt Service</i>					
	County MOU - Septage	(109,440)	50%	(54,720)	
	Use of reserves for 2016 Bond DS	-	50%	-	
	Trust Fund Interest	(96,900)	50%	(48,450)	(103,170)
ALLOCATION BASED ON FIXED AGREEMENTS					
<u>2014 Wastewater Agreement</u>					
<i>Meadowcreek</i>	97.9% of 2010A, and 13.6% of 2012A Bonds	1,107,418	Segments	198,615	
<i>Wet Weather MCWWTP</i>	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	499,293	Segments	181,845	
<i>Moore's Creek Pump Stn.</i>	100% of 2011 D/E Bond	296,944	Segments	114,981	
<i>Rivanna Pump Stn. & F.M.</i>	7.2% of 2012A Bond	1,969,538	Segments	736,118	
<i>Albemarle Berkley Pump Stn.</i>	4.2% of 2012A Bond	50,868	100%	50,868	
<i>Crozet Interceptor</i>	2.9% of 2012A Bond & 13.78% of 2018	345,835	100%	345,835	
<i>Schenks Branch Agreement</i>	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	332,642	0%	-	1,628,262
<i>Four Party Rate</i>					
<i>Regional System Projects</i>	19.6% of 2012A Refunding Bond	56,341	N/A	37,561	
<i>Crozet Interceptor</i>	3.9% of 2012A Refunding Bond	11,226	N/A	7,484	
<i>Facilities Purchase</i>	7.2% of 2012A Refunding Bond	20,562	N/A	13,708	58,753
<i>Moore's Creek Relief IS, Pt 1</i>	1.6% of 2012A Refunding Bond	4,676	70%	3,273	3,273
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
	CIP Growth Charge from 2016-2020 CIP	230,400	Fixed	35,100	35,100
	Debt Service Coverage Ratio / Policy Charge	325,000	38%	123,500	123,500
Total		\$ 8,229,139		\$ 3,338,088	\$ 3,338,088

SUMMARY OF DEBT SERVICE REVENUES:		
CITY SHARE OF TOTAL DEBT SERVICE	\$ 4,891,055	59%
ACSA SHARE OF TOTAL DEBT SERVICE	3,338,088	41%
	\$ 8,229,143	100%

OTHER RATE CENTERS DEBT SERVICE RATES

Summary of Debt Service Payments Due

	Existing Estimated Debt Service Budget FY 2020	Estimated New Debt Service	Total Annual Debt Service	ACSA Monthly Rate
<u>WATER</u>				
<u>Crozet Water</u>				
<i>System Upgrades</i>				
1.0% of 2012A Refunding Bond	\$ 2,830			
17.0% of 2012A Bond (new money)	205,894			
7.4% of 2015B Bond Refunding	116,763			
5.9% of 2015B Bond New Projects	99,911			
35.72% of 2018 Bond	805,417			
Estimated DS - CIP Growth in Rate		\$ 86,000		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(5,500)			
	\$ 1,225,315	\$ 86,000	\$ 1,311,315	\$ 109,276
<u>Scottsville Water</u>				
<i>System Upgrades</i>				
0.2% of 2012A Refunding Bond	\$ 492			
4.2% of 2012A Bond (new money)	50,868			
2.7% of 2015B Bond Refunding	42,603			
2.1% of 2015B Bond New Projects	35,561			
Estimated DS - CIP Growth in Rate		925		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(1,700)			
	\$ 127,824	\$ 925	\$ 128,749	\$ 10,729
<u>WASTEWATER</u>				
<u>Glenmore Wastewater</u>				
<i>System Upgrades</i>				
0.10% of 2015B Bond Refunding	\$ 1,578			
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	-	2,200		
	1,578	2,200	\$ 3,778	\$ 315
<u>Scottsville Wastewater</u>				
<i>Facilities Purchase</i>				
0.3% of 2012A Refunding Bond	\$ 953			
<i>System Upgrades</i>				
0.3% of 2012A Bond (new money)	3,633			
0.20% of 2015B Bond Refunding	3,156			
Estimated DS - CIP Growth in Rate		1,800		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(100)			
	\$ 7,642	\$ 1,800	\$ 9,442	\$ 787
TOTAL	\$ 1,362,359	\$ 90,925	\$ 1,453,284	\$ 121,107

DEBT SUMMARY

	Total Revenue Bond Debt	Total FY 2020 Debt Service	Total FY 2019 Debt Service
<u>CURRENT EXISTING DEBT</u>			
<u>DEBT BY BOND ISSUE</u>			
2005 A Bond VRA/VRLF	1,063,050	159,339	159,339
2009A Bond	15,812,877	1,604,199	1,604,199
2010A Bond	9,816,467	962,522	962,521
2011A Bond	4,869,766	443,608	443,608
2011B Bond	695,230	63,332	63,331
2011D,E Bond	3,373,638	296,944	296,944
2012A Bond (refunding & new money)	18,425,000	1,498,556	1,572,609
2012B Bond	22,715,000	1,338,456	1,337,656
2014A Bond	25,954,584	1,882,336	1,882,336
2015A Bond	1,052,840	70,593	70,593
2015B Bond (refunding & new money)	40,460,000	3,271,281	3,275,338
2016 Bond	9,198,000	627,265	626,924
2018 Bond	36,855,000	2,254,806	
	\$ 190,291,452	\$ 14,473,237	\$ 12,295,398

Ratio of Debt / Debt Service 7.6%

PRINCIPAL AND INTEREST PAYMENTS BY CENTER - Annual

Urban Water		5,223,498	4,190,796
Crozet Water		1,230,815	426,071
Scottsville Water		129,524	129,680
Urban Wastewater		7,880,079	7,539,261
Glenmore Wastewater		1,578	1,586
Scottsville Wastewater		7,742	8,006
	\$ -	\$ 14,473,237	\$ 12,295,398

Stone Robinson School WWTP Estimated Charges

Expenses	<i>Total</i>	<i>Monthly</i>
<i>Fixed Costs</i>		
Wages	\$ 6,531	
Benefits	3,426	
Mileage	1,693	
Subtotal	\$ 11,650	
Overhead at 35%	4,078	
Total Fixed Charge	\$ 15,728	
 <i>Variable Costs</i>		
Repairs, Maintenance, Other	\$ 5,000	
Overhead at 35%	1,750	
Total Variable Charge	\$ 6,750	
Total Annual Charge Estimate	\$ 22,478	\$ 1,873

Red Hill Community Water System Estimated Charges

Expenses	<i>Total</i>	<i>Monthly</i>
<i>Fixed Costs</i>		
Wages	\$ 21,500	
Benefits	3,995	
Mileage	6,322	
Subtotal	\$ 31,817	
Overhead at 35%	11,136	
Total Fixed Charge	\$ 42,953	
 <i>Variable Costs</i>		
Repairs, Maintenance, Other	\$ 39,000	
Overhead at 35%	13,650	
Total Variable Charge	\$ 52,650	
Total Annual Charge Estimate	\$ 95,603	\$ 7,967

All Rate Centers

Detailed Summary of Revenues

	<i>FY 2019</i>	<i>FY 2020</i>	<i>\$ Change</i>	<i>% Change</i>
<u>OPERATIONS</u>				
Operations Rate Revenues	\$ 16,387,174	\$ 17,381,293	\$ 994,119	6.07%
Other Operations Revenues				
Interest Allocation	\$ 28,050	\$ 31,500	\$ 3,450	12.30%
Red Hill Community Water System	-	-	-	
Stone Robinson WWTP	28,084	22,478	(5,606)	-19.96%
Septage/Sludge Acceptance	410,000	450,000	40,000	9.76%
Leases	100,000	100,000	-	0.00%
Administration	462,000	468,000	6,000	1.30%
Nutrient Credits	90,000	90,000	-	0.00%
Use of Reserves	-	667,000	667,000	0.00%
Miscellaneous	-	10,000	10,000	
	<u>\$ 1,118,134</u>	<u>\$ 1,838,978</u>	<u>\$ 720,844</u>	<u>64.47%</u>
Total Operations Revenues	<u>\$ 17,505,308</u>	<u>\$ 19,220,271</u>	<u>\$ 1,714,963</u>	<u>9.80%</u>
<u>DEBT SERVICE</u>				
Debt Service Rate Revenues				
City	\$ 7,071,216	\$ 7,214,015	\$ 142,799	2.02%
ACSA	7,781,315	8,647,007	865,692	11.13%
	<u>\$ 14,852,531</u>	<u>\$ 15,861,022</u>	<u>\$ 1,008,491</u>	<u>6.79%</u>
Other Debt Service Revenues				
Interest	390,400	848,200	457,800	117.26%
Urban WW Reserves Used	300,000	-	(300,000)	
County MOU - Septage	109,440	109,440	-	0.00%
Buck Mountain Surcharge	118,600	125,900	7,300	6.16%
Leases	1,600	1,600	-	0.00%
	<u>\$ 920,040</u>	<u>\$ 1,085,140</u>	<u>\$ 165,100</u>	<u>17.94%</u>
Total Debt Service Revenues	<u>\$ 15,772,571</u>	<u>\$ 16,946,162</u>	<u>\$ 1,173,591</u>	<u>7.44%</u>
Total Revenues	<u>\$ 33,277,879</u>	<u>\$ 36,166,433</u>	<u>\$ 2,888,554</u>	<u>8.68%</u>

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
Salaries & Benefits							
10000	Salaries	\$ 5,683,450	\$ 2,710,493	\$ 5,420,986	\$ 5,876,908	\$ 193,458	3.40%
11010	Overtime Pay	247,500	151,367	302,734	285,500	38,000	15.35%
12010	FICA	453,719	205,279	410,558	471,423	17,704	3.90%
12020	Health Insurance	1,128,890	510,137	1,020,274	1,182,867	53,977	4.78%
12026	Employee Assistance Program	1,245	797	1,594	1,256	11	0.88%
12030	Retirement	546,749	216,825	433,650	565,358	18,609	3.40%
12040	Life Insurance	74,453	33,734	67,468	76,986	2,533	3.40%
12050	Fitness Program	10,650	5,709	11,418	11,160	510	4.79%
12060	Worker's Comp Insurance	93,000	55,487	73,984	89,500	(3,500)	-3.76%
	Subtotal	\$ 8,239,656	\$ 3,889,828	\$ 7,742,666	\$ 8,560,958	\$ 321,302	3.90%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 10,890	\$ 3,035	\$ 7,440	\$ 11,190	\$ 300	2.75%
13150	Education & Training	79,130	25,126	63,534	83,520	4,390	5.55%
13200	Travel & Lodging	33,850	9,528	19,056	35,250	1,400	4.14%
13250	Uniforms	47,615	24,019	48,038	48,515	900	1.89%
13325	Recruiting & Medical Testing	6,450	3,450	6,900	6,300	(150)	-2.33%
13350	Other	12,195	14,577	27,154	14,345	2,150	17.63%
	Subtotal	\$ 190,130	\$ 79,735	\$ 172,122	\$ 199,120	\$ 8,990	4.73%
Professional Services							
20100	Legal Fees	\$ 94,000	\$ 54,199	\$ 108,398	\$ 85,000	\$ (9,000)	-9.57%
20200	Financial & Admin. Services	72,000	15,067	68,000	69,000	(3,000)	-4.17%
20250	Bond Issue Costs	-	-	-	-	-	0.00%
20300	Engineering & Technical Services	544,250	326,279	712,558	512,050	(32,200)	-5.92%
	Subtotal	\$ 710,250	\$ 395,545	\$ 888,956	\$ 666,050	\$ (44,200)	-6.22%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 144,750	\$ 120,740	\$ 120,740	\$ 144,090	\$ (660)	-0.46%
21150	Advertising & Communication	15,425	12,189	24,378	15,425	-	0.00%
21250	Watershed Management	125,000	28,687	115,000	112,000	(13,000)	-10.40%
21252	EMS Programs/Supplies	1,000	1,562	3,124	500	(500)	-50.00%
21253	Safety Programs/Supplies	40,790	30,813	91,626	104,687	63,897	156.65%
21300	Authority Dues/Permits/Fees	89,300	50,429	94,472	91,400	2,100	2.35%
21350	Laboratory Analysis	110,480	52,949	110,544	131,000	20,520	18.57%
21400	Utilities	1,311,700	816,241	1,632,482	1,323,600	11,900	0.91%
21420	General Other Services	839,610	587,185	1,175,812	1,017,910	178,300	21.24%
21430	Governance & Strategic Support	131,680	16,531	33,062	35,000	(96,680)	-73.42%
21450	Bad Debt	5,000	-	5,000	5,000	-	-
	Subtotal	\$ 2,814,735	\$ 1,717,326	\$ 3,406,240	\$ 2,980,612	\$ 165,877	5.89%
Communication							
22000	Radio	\$ 26,420	\$ 24,135	\$ 24,892	\$ 22,940	\$ (3,480)	-13.17%
22150	Telephone & Data Service	74,525	41,402	82,804	74,600	75	0.10%
22200	Cell Phones & Pagers	42,160	23,122	46,244	45,053	2,893	6.86%
	Subtotal	\$ 143,105	\$ 88,659	\$ 153,940	\$ 142,593	\$ (512)	-0.36%
Information Technology							
31000	Computer Hardware	\$ 47,700	\$ 13,231	\$ 35,688	\$ 63,900	\$ 16,200	33.96%
31150	SCADA Maint. & Support	170,100	25,431	152,782	138,500	(31,600)	-18.58%
31200	Maintenance & Support Services	100,800	50,585	116,582	104,750	3,950	3.92%
31250	Software Purchases	22,850	8,759	17,918	45,600	22,750	99.56%
	Subtotal	\$ 341,450	\$ 98,006	\$ 322,970	\$ 352,750	\$ 11,300	3.31%
Supplies							
33000	Office Supplies	\$ 29,600	\$ 11,951	\$ 23,952	\$ 29,700	\$ 100	0.34%
33150	Subscriptions/Reference Material	5,920	498	1,006	5,430	(490)	-8.28%
33350	Postage & Delivery	8,400	7,196	14,692	11,050	2,650	31.55%
	Subtotal	\$ 43,920	\$ 19,645	\$ 39,650	\$ 46,180	\$ 2,260	5.15%
Operation & Maintenance							
41000	Building & Grounds	\$ 328,340	\$ 129,612	\$ 280,538	\$ 361,600	\$ 33,260	10.13%
41150	Building & Land Lease	32,500	33,729	35,145	43,200	10,700	32.92%
41200	Pump Station Maintenance	102,500	51,278	107,556	114,500	12,000	11.71%
41300	Dam Maintenance	99,500	50,876	103,252	146,990	47,490	47.73%
41350	Pipeline/Appurtenances	369,850	274,650	974,400	328,298	(41,552)	-11.23%
41400	Materials & Supplies	132,150	82,912	166,224	135,900	3,750	2.84%
41450	Chemicals	1,564,900	940,930	2,600,860	2,682,190	1,117,290	71.40%
41500	Vehicle Maintenance	38,200	53,545	107,980	59,600	21,400	56.02%

**Rivanna Water and Sewer Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	2019	2019
			Six Month Actual 12/31/2018	Projected Year end 6/30/2019		vs. 2020 Variance \$	vs. 2020 Variance %
41550	Equipment Maint. & Repair	609,500	346,210	702,420	669,000	59,500	9.76%
41600	Instrumentation	184,420	49,762	160,024	328,400	143,980	78.07%
41650	Fuel & Lubricants	93,800	46,981	93,962	95,800	2,000	2.13%
41700	General Other Maintenance	164,000	79,773	139,546	104,000	(60,000)	-36.59%
Subtotal		\$ 3,719,660	\$ 2,140,258	\$ 5,471,907	\$ 5,069,478	\$ 1,349,818	36.29%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 53,050	\$ 42,802	\$ 85,604	\$ 70,850	\$ 17,800	33.55%
81200	Rental & Leases	14,300	5,793	46,586	16,800	2,500	17.48%
81250	Equipment (over \$5000)	196,800	104,613	175,990	56,800	(140,000)	-71.14%
81300	Vehicle Replacement Fund	195,250	97,625	195,250	215,100	19,850	10.17%
Subtotal		\$ 459,400	\$ 250,833	\$ 503,430	\$ 359,550	\$ (99,850)	-21.73%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		843,000	421,500	843,000	\$ 843,000	-	0.00%
Subtotal		\$ 843,000	\$ 421,500	\$ 843,000	\$ 843,000	\$ -	0.00%
Total		\$ 17,505,306	\$ 9,101,335	\$ 19,544,881	\$ 19,220,291	\$ 1,714,985	9.80%

Audit Check	
Less revenue allocation in Admin.	(468,000)
Less revenue allocation in Maint.	(10,000)
Less revenue allocation in Eng.	-
Detail Check on Expenses	\$ 18,742,291
Total Summary Sheet Rate Center Only	\$ 18,742,287

RWSA Staffing by Department

OPERATIONS	Approved Positions FY 2019	Changes	Positions FY 2020
<u>Engineering & Maintenance</u>			
Director of Engineering & Maintenance	1		1
Engineering Department			
Engineering Manager	1		1
Senior Civil, Civil Engineers	4		4
Water Resources Manager (moved from Water)	1		1
Engineering Technician/Inspector/GIS	3	1	4
GIS Coordinator (moved to Admin)	0		0
Administrative Office Technician	1		1
(Director FTE included) Subtotal	11	1	12
Maintenance Department			
Maintenance Manager	1		1
Maintenance Supervisor	1		1
Mechanics	10		10
Industrial Controls/Instrumentation Specialist	1		1
Vehicle Equipment Mechanic	1		1
Mechanic Helper	1		1
Maintenance Workers	2		2
Subtotal	17		17
<u>Operations</u>			
Director of Operations	1		1
Laboratory			
Laboratory Manager	1		1
Chemist	1	1	2
Lab Technician	1		1
Subtotal	3	1	4
Wastewater Department			
Wastewater Manager	1		1
Wastewater Assistant Manager	1		1
Treatment Supervisor	1		1
<u>Plant Operators (14 total)</u>			
Operators - Relief Shift Differential all plants	2		2
Operators - Urban	9		9
Operator - Glenmore	1		1
Operator - Scottsville	1		1
Subtotal	16		16
Water Department			
Water Manager	1		1
Water Assistant Manager	1		1
Water Quality Specialist	1		1

RWSA Staffing by Department

OPERATIONS	Approved Positions FY 2019	Changes	Positions FY 2020
Water Treatment Plant Supervisor	2		2
<u>Plant Operators</u>			
Operators - Relief Shift Differential all plants	3		3
Operators - Urban	14.4	-0.5	13.9
Operators - Crozet	2.6		2.6
Operators - Scottsville	1.4	0.5	1.9
Subtotal	26.4	-	26.4
Subtotal	74.4	2	76.4

Joint Administrative Staff

	Approved Positions FY 2019	Changes	FTE Split		
			RWSA	SWA	
Executive Director	1		0.85	0.15	1.00
Communications Manager/Executive Coordinator	1		0.60	0.40	1.00
Director of Finance & Administration	1		0.80	0.20	1.00
Office/HR Manager	1		0.80	0.20	1.00
Accountant	1		0.80	0.20	1.00
Payroll & Benefits Coordinator	1		0.75	0.25	1.00
Accounts Payable/Purchasing Technician	1		0.75	0.25	1.00
Accounts Receivable Technician	1		0.30	0.70	1.00
Reception/Secretary III	1		0.75	0.25	1.00
Administrative Office Technician	1		0.70	0.30	1.00
Environmental & Safety Manager	1		0.70	0.30	1.00
<u>IT/SCADA</u>					
Information Systems Administrator	1		0.60	0.40	1.00
Information Systems Asst. Administrator	1		0.60	0.40	1.00
GIS Coordinator (moved from Engineering)	1		1.00	0.00	1.00
Software Analyst	1		0.80	0.20	1.00
IT Specialist - SCADA	1		1.00	0.00	1.00
SCADA Technician	1		1.00	0.00	1.00
Administration and allocation with RSWA	17		12.80	4.20	

Total all positions	91.40	2.00	93.40
FTE Position Allocated to RSWA	<u>-3.95</u>		<u>-4.20</u>
Total Adjusted FTEs	87.45		89.20

Data for ACSA

	<u>FY 2019</u>	<u>FY 2020</u>	<u>Change</u>
Total RWSA Expenses			
Water	\$ 15,872,000	\$ 17,675,000	\$ 1,803,000
Wastewater	16,943,000	18,013,000	1,070,000
Add Administration revenue allocation	462,000	468,000	6,000
Add Maintenance revenue allocation	-	10,000	10,000
Add Engineering revenue allocation	-	-	-
	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 33,277,000</u>	<u>\$ 36,166,000</u>	<u>\$ 2,889,000</u>

**RWSA Rate Charges Allocated to
ACSA, by Service Area****Water**

Urban	\$ 7,138,223	\$ 7,343,723	\$ 205,500
Crozet	1,952,952	2,340,120	387,168
Scottsville	572,608	649,561	76,953
	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 9,663,783</u>	<u>\$ 10,333,404</u>	<u>\$ 669,621</u>

Wastewater

Urban	\$ 6,521,468	\$ 7,354,898	\$ 833,430
Scottsville	309,878	318,430	8,552
Stone Robinson School	28,084	22,478	(5,606)
Glenmore	374,306	374,302	(4)
	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 7,233,736</u>	<u>\$ 8,070,108</u>	<u>\$ 836,372</u>

Total for ACSA

	<u>\$ 16,897,519</u>	<u>\$ 18,403,512</u>	<u>\$ 1,505,993</u>
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