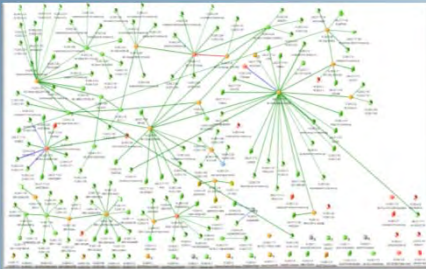




FISCAL YEAR 2017-2018 BUDGET



Adopted May 23, 2017

RIVANNA WATER & SEWER AUTHORITY

FY 2018 Adopted Budget

Prepared: May 10, 2017

Adopted: May 23, 2017

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Budget Highlights

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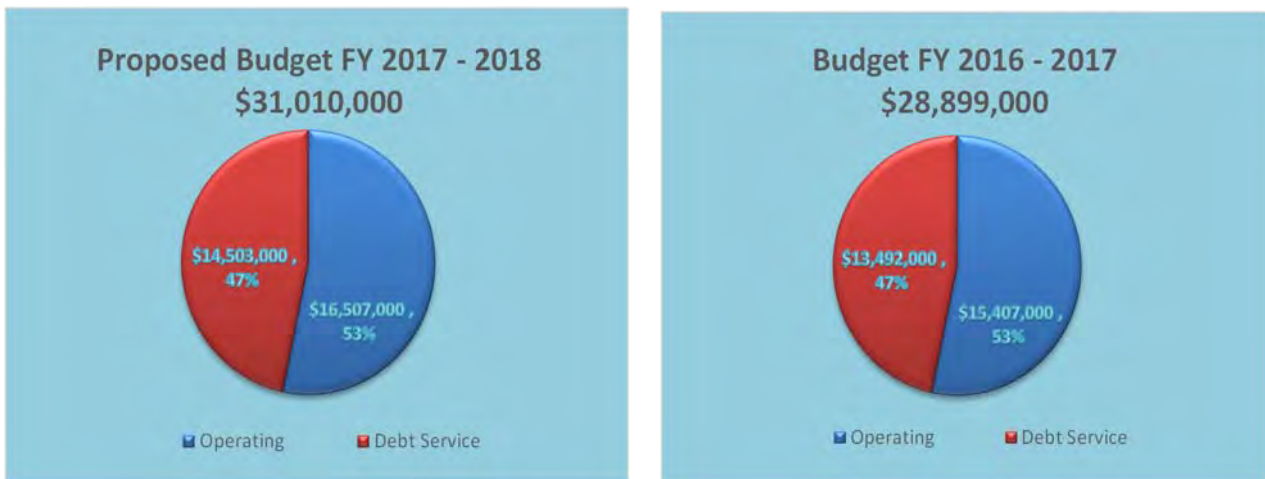
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**Rivanna Water and Sewer Authority
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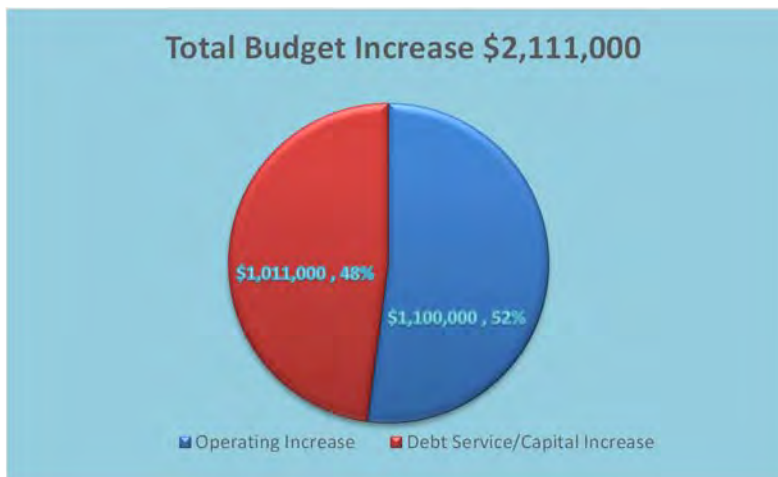
Budget Overview

The Rivanna Water and Sewer Authority is charged to acquire, finance, construct, operate, and maintain facilities for the impoundment, production, storage, treatment, and transmission of potable water, and for the interception, treatment, and discharge of wastewater for the City of Charlottesville and the County of Albemarle. To provide these services for FY 2017-2018, a budget of \$31,010,000 is proposed.

The proposed FY 2017-2018 budget of \$31,010,000 includes \$16,507,000 for Operating expenses and \$14,503,000 for Debt Service charges. In the Urban Rate Centers, Operating expenses are proposed to increase \$0.136 per 1000 gallons (7.42%) for water and \$0.116 per 1000 gallons (6.32%) for wastewater. Debt Service charges for the City are proposed to decrease 1.80% for water and increase 6.45% for wastewater, while Debt Service charges for the Albemarle County Service Authority (ACSA) are proposed to increase 0.50% for water and 0.12% for wastewater, all within the Urban Rate Centers. A composite water and wastewater increase of 7.76% is proposed in the Suburban Rate Centers for the ACSA. Overall, annual charges for the City are proposed to increase 5.9% (\$767,400), and 3.9 % (\$570,100) for the ACSA. A comparison of the FY 2017-2018 budget with the FY 2016-2017 budget is provided below:



The FY 2017-2018 budget proposes an increase of \$1.1 million in Operating expenses and an increase of \$1.0 million in Debt Service charges for a total budget increase of approximately \$2.1 million, or 7.3% over the FY 2016-2017 budget, as shown below:



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Highlights

Proposed Operating budget increases will support water and wastewater programs recently added or enhanced to more effectively address the heightened service expectations of our growing community. A brief description of those program follows:

1. Granular Activated Carbon (GAC) Contactors

GAC contactors are being provided at all five of our water treatment plants to remove disinfection byproducts from the drinking water. We are currently evaluating several GAC materials to determine the most cost-effective product and replacement schedule for our contactors.

2. Odor Reduction

Additional chemical neutralizers are being provided to reduce odors at the Moores Creek Advanced Water Resource Recovery Facility (AWRRF) and in the Crozet/Ivy sewer system. Permanent odor reduction facilities (clarifier covers and air scrubbing equipment) are being constructed at Moores Creek AWRRF.

3. Reservoir Maintenance and Source Water Protection

Additional dam and reservoir maintenance, as well as water sampling and analysis, are required to strategically manage our raw water supplies, combat algae, and support source water protection. Managing minimum reservoir release requirements, transfers between reservoirs, volume surveys of the reservoirs (bathymetric surveys) and environmental mitigation sites are recent management and regulatory requirements realized when the new Ragged Mountain Dam was placed into service.

4. Wholesale Water Metering

These metering programs will require field and administrative effort to read, compile, and reconcile data from 25 additional water meters, along with data from 30-50 existing City and ACSA water meters, to develop accurate bills for our two customers. Metering data will also be used to reduce costs by identifying water loss in the distribution system. A program to address maintenance, calibration, and replacement of these meters will be developed and implemented. These water metering efforts will be new to the Authority when the program begins in the summer of 2017.

5. Supervisory Control and Data Acquisition Improvements (SCADA)

SCADA improvements are needed to leverage technology and provide operational efficiencies. Additional SCADA resources will be used to automate and allow remote operation of our water and wastewater pumping and treatment facilities.

6. Personnel

a) Additional Positions in Priority Order:

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1. Water Plant Operator – The South Rivanna Water Treatment Plant (WTP) currently needs additional Operators to maintain two Operators on every shift. By reallocating two existing water Operators and one existing wastewater Operator and by adding one additional Operator, we will have two Operators on every shift at the South Rivanna WTP and be in compliance with state requirements. This will provide an increased measure of safety for the staff, reliability for treatment operations and security for our facilities. In the future, additional Operators may be required to enhance staffing of the Observatory and Crozet WTPs.

2. Senior Civil Engineer – This position will manage the operation, maintenance and replacement programs for the water distribution and wastewater collection systems while also supporting construction projects within the Capital Improvement Plan (CIP). Our current team of four engineers is primarily committed to capital improvement planning, design and management of the 37 CIP projects currently under construction and six projects scheduled to begin in FY 2018. This additional engineer position will be responsible for managing our predictive and preventative maintenance programs as well as the repair of emergency line breaks, the sanitary sewer evaluation program, water loss analysis, and activities related to the wholesale metering program (maintenance, calibration, replacement, and meter reading).

3. Engineering Technician/Inspector – This position will allow inspection of additional CIP projects with in-house staff. Currently, we contract with engineering firms to perform construction inspections on many of our projects. We estimate the reduction in consultant costs from this Inspector will cover the cost of the position plus save \$75,000-\$100,000 annually. With the volume of work anticipated in our FY 17 – 21 CIP (\$136 M), there will be many projects on which to utilize this Inspector. This position may also augment the current “Miss Utility” locating staff as marking requests have increased from 5,200 in 2011 to 9,700 in 2016.

b) Merit Pool

A 2% merit pool for our employees has been included in the budget. We plan to complete a compensation review of our positions in FY 2018, and have included limited funding in the budget for any recommended market adjustments.

c) Health Benefits

Based on the advice of our insurance consultant, a 15% increase in health insurance premiums has been included in the FY 2018 budget. We will work with our health insurance provider (Anthem) in April 2017 to find the most cost-effective plan for the Authority and our employees.

Actual Water and Wastewater Flows

Actual water and wastewater wholesale flows are factors used to calculate the Urban Area operation rates and charges. Since annual flows can be difficult to predict due to the impact of unusually hot, dry, or rainy weather on water demands and rainy weather on wastewater flows, we normalize the wholesale flows based on ten-year trends. The estimated wholesale flows will remain at FY 2017 budgeted levels for both Urban Water and Wastewater to maintain consistent billing rates.

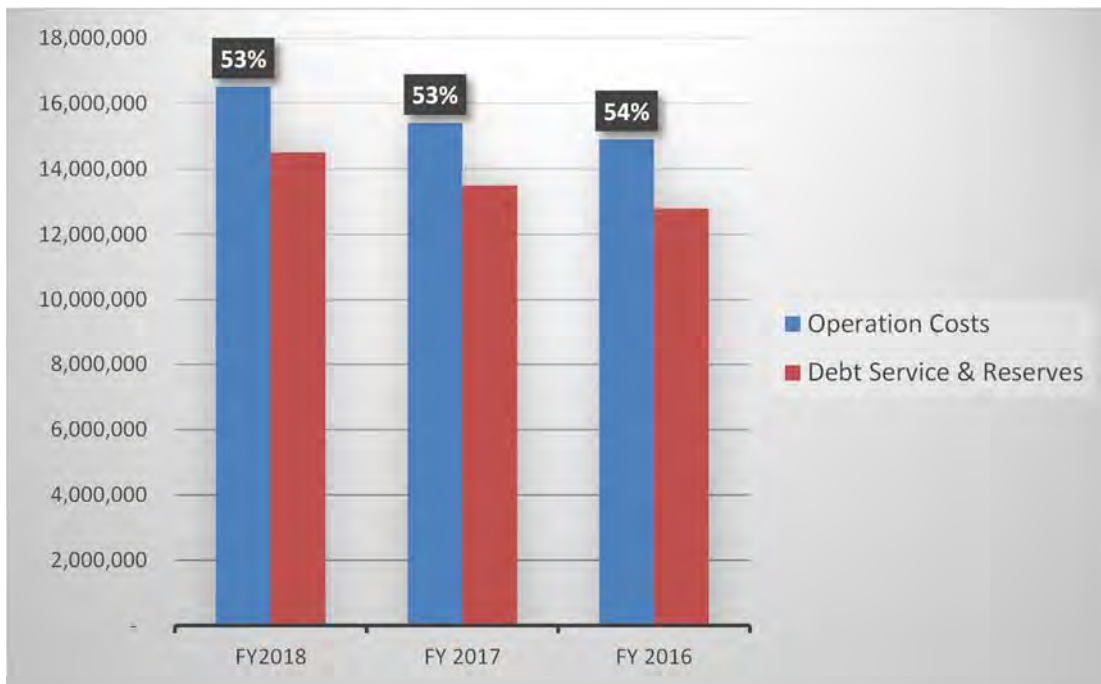
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The other impact actual flows have on the charges to our customers is the allocation of wastewater costs between the City and ACSA for the Urban Area. These allocations are computed using retail flows reported by the City and ACSA. Based on FY 2016 actual retail flow data, the allocation for Urban Wastewater flows shifted one percent between the two customers, while the allocation for Urban Water flows remained unchanged for FY 2018 as shown below. Overall, the allocation change shifts approximately \$92,500 from the ACSA to the City in FY 2018.

Allocation of flows (based on retail flows):

	<u>FY 2018</u>	<u>FY 2017</u>
City Wastewater	53%	52%
ACSA Wastewater	47%	48%
City Water	52%	52%
ACSA Water	48%	48%

The Authority’s overall Operating expenses and Debt Service charges are similar to last year with Operating expenses representing roughly 53% of the total budget and Debt Service charges being 47% of the total, as shown below:



The Authority’s annual Debt Service expenses are estimated to increase \$1,011,000 over the current year. This is following an increase of \$703,000 in FY 2017 and \$548,000 in FY 2016.

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.

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	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Draft Change over Prior year</u>
<u>Personnel cost in general</u>			
• Merit of 2.0%	11000		\$ 100,400
• Personnel/Position Changes:			
3 new positions (Civil Eng., Eng. Tech, Water Operator)	11000		\$ 162,150
Fund one intern for Water Operations	11000		\$ 6,240
Benefit costs related to Personnel Changes	11XXX		\$ 67,650
• Compensation Survey - Market Adjustment	11000		\$ 50,000
• Overtime increase	11010		\$ 22,600
• Health care benefit Premium Renewal 15% increase	12020		\$ 116,800
• Health Insurance - Adjustments for affordability	12020		\$ 50,000
• All other Personnel related changes			<u>\$ 52,980</u>
<i>Total change in personnel and benefit costs</i>			\$ 628,820
<u>General overall changes</u>			
• General Liability/Property Insurance	21100		\$ (22,850)
<u>Urban Water</u>			
• Engineering Services - Operational Support GAC	20300	\$ 20,000	
Reservoir Management Study	20300	40,000	
General Operating Assistance	20300	15,000	
Treatment Process Assistance	20300	30,000	
Meter Calibration	20300	8,000	
Tank Inspections (Lewis Mt., Stillhouse)	20300	14,450	
Vulnerability Assessment - Consultant	20300	<u>10,000</u>	
		137,450	
FY 2017 Budget	20300	<u>(116,400)</u>	
		\$ 21,050	\$ 21,050
• Safety Programs / Supplies - Misc. Safety Equipment	21253		\$ 5,000
Safety Training	21253		\$ 5,800
• IT - SCADA Maint. & Support	31150		\$ (11,400)
• Dam Maintenance	41300		\$ 30,800
• Pipeline/Appurtenances - New costs for wholesale metering	41350		\$ 35,000
• Instrumentation - Security & SCADA instrument needs	41600		\$ 22,800
• Equipment over \$5,000	81250		\$ 38,000
• GAC Reserve Transfer - place holder all water plants	XXXXX		\$ 81,430

Rivanna Water and Sewer Authority
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	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Draft Change over Prior year</u>
<u>Crozet Water</u>			
• Engineering Services - GAC Operating Support	20300	\$ 2,500	
Reservoir Management Study	20300	24,000	
Treatment Process Assistance	20300	7,500	
Crozet GS Tank inspection	20300	8,000	
Vulnerability Assessment	20300	<u>5,000</u>	
		\$ 47,000	
FY 2017 Budget		<u>(76,700)</u>	
		\$ (29,700)	\$ (29,700)
• Watershed Management- Source Water Protection	21250		\$ 24,900
• Lab Analysis	21350		\$ 6,500
• Buildings and Grounds - Implement Security & Fence Clearing	41100		\$ 25,000
• Equipment Maint. & Repair - Reduction, HVAC installed	41550		\$ (50,000)
• GAC Reserve Transfer - place holder all water plants	XXXXX		\$ 8,000
• Depreciation Reserves	XXXXX		\$ 5,000
<u>Scottsville Water</u>			
• Engineering Services - GAC Operating Support	20300	\$ 2,500	
Reservoir Management Study	20300	16,000	
Treatment Process Assistance	20300	2,500	
Vulnerability Assessment	20300	<u>5,000</u>	
		\$ 26,000	
FY 2017 Budget		<u>(15,300)</u>	
		\$ 10,700	\$ 10,700
• Building & Grounds - Cutting and Mowing, Vulnerability changes	41100		\$ 3,000
• Instrumentation - Vulnerability Assessment Implementation	41600		\$ 4,170
<u>Urban Wastewater</u>			
• Authority Dues & Permits	21300		\$ 6,000
• Utilities - Historical trend increases	21400		\$ 25,000
• General Other Services - General cut	21420		\$ (30,000)
Odor Control Contractor - Interceptor	21420		\$ 202,400
• Pipeline/Appurtenances - Clearing and Mowing	41350	\$ 76,050	
Flow Meter Maintenance	41350	68,640	
Flow Meter Replacements	41350	37,500	
Contingency for line breaks	41350	<u>32,810</u>	
		\$ 215,000	
FY 2017 Budget		<u>(186,370)</u>	
		\$ 28,630	\$ 28,630
• Materials & Supplies - Trend Increase	41400		\$ 6,200
• Chemicals - Move odor control to line 21420	41450		\$ (80,800)
• Instrumentation - replacement of instrumentation	41600		\$ 18,900
• Fuel & Lubricants	41650		\$ 8,000

**Rivanna Water and Sewer Authority
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	<u>Line Item</u>	<u>Notable Items</u>	<u>Budget Draft Change over Prior year</u>
<u>Glenmore Wastewater</u>			
• Engineering - Misc.	20300		\$ 3,000
• Building and Grounds	41100		\$ (3,500)
• Materials and Supplies	41400		\$ (2,700)
• Chemicals - Started using soda ash	41450		\$ 4,000
• General Other - Sludge hauling historical trend	41700		\$ 11,450
<u>Scottsville Wastewater</u>			
• Engineering - Misc.	20300		\$ 2,000
• IT - SCADA Maint. & Support	31150		\$ 2,650
• Building and Grounds	41100		\$ (1,200)
• Chemicals	41450		\$ (1,300)
• Equipment Maintenance and Repair	41550		\$ 8,000
• Instrumentation - SCADA related	41600		\$ 3,780
<u>Administration</u>			
• Legal fees - based on trend of last year	20100		\$ (15,000)
• Financial and Admin Services - DS Rate Model - 10 year	20200		\$ 26,900
• Engineering & Technical Services	20300		\$ (30,000)
• Advertising & Communications	21150		\$ 3,000
• Safety Programs - shifting costs to departments	21253		\$ (7,000)
• IT - SCADA Maint. & Support - Version Control HMI, PLCs	31150		\$ 25,000
<u>Lab</u>			
• Chemicals	41450		\$ 5,000
• Equipment over \$5,000	81250		\$ (20,000)
<u>Engineering</u>			
• Legal fees - based on trend of last year	20100		\$ 20,000
• Engineering & Technical Services - Office space needs study	20300	\$ 50,000	
Sustainable Energy consultant	20300	50,000	
Misc. assistance with CIP	20300	15,000	
		<u>115,000</u>	
• Safety Programs - New AED, Training	21253		\$ 4,081
• IT Maintenance & Support - increase in users and Lic. costs	31200		\$ 6,000
• Buildings & Grounds - Floor repair / New office configuration	41100		\$ 26,440
• Pipeline/Appurtenances - Additional Miss Utility demands	41350		\$ 5,000
All other budget changes			<u>\$ (116,951)</u>
TOTAL INCREASE IN OPERATING COSTS		Appendix 8	<u>\$ 1,100,000</u>

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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 CIP increased \$2 million compared to last year. There were \$9.2 million in completed projects and approximately \$11.2 million in new projects or adjustments to existing projects. Several project costs were increased such as the finished water line from Avon Street to Pantops totaling \$5.2 million (the outlying years of this project were beyond the FY 2017-2021 CIP), Crozet Interceptor Flow Equalization Basin totaling \$1.42 million and the second phase of the Schenks Branch Interceptor totaling \$1.7 million. The Hydro Plant project budget decreased \$1.0 million and the Rivanna Pump Station project decreased \$1.1 million.

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

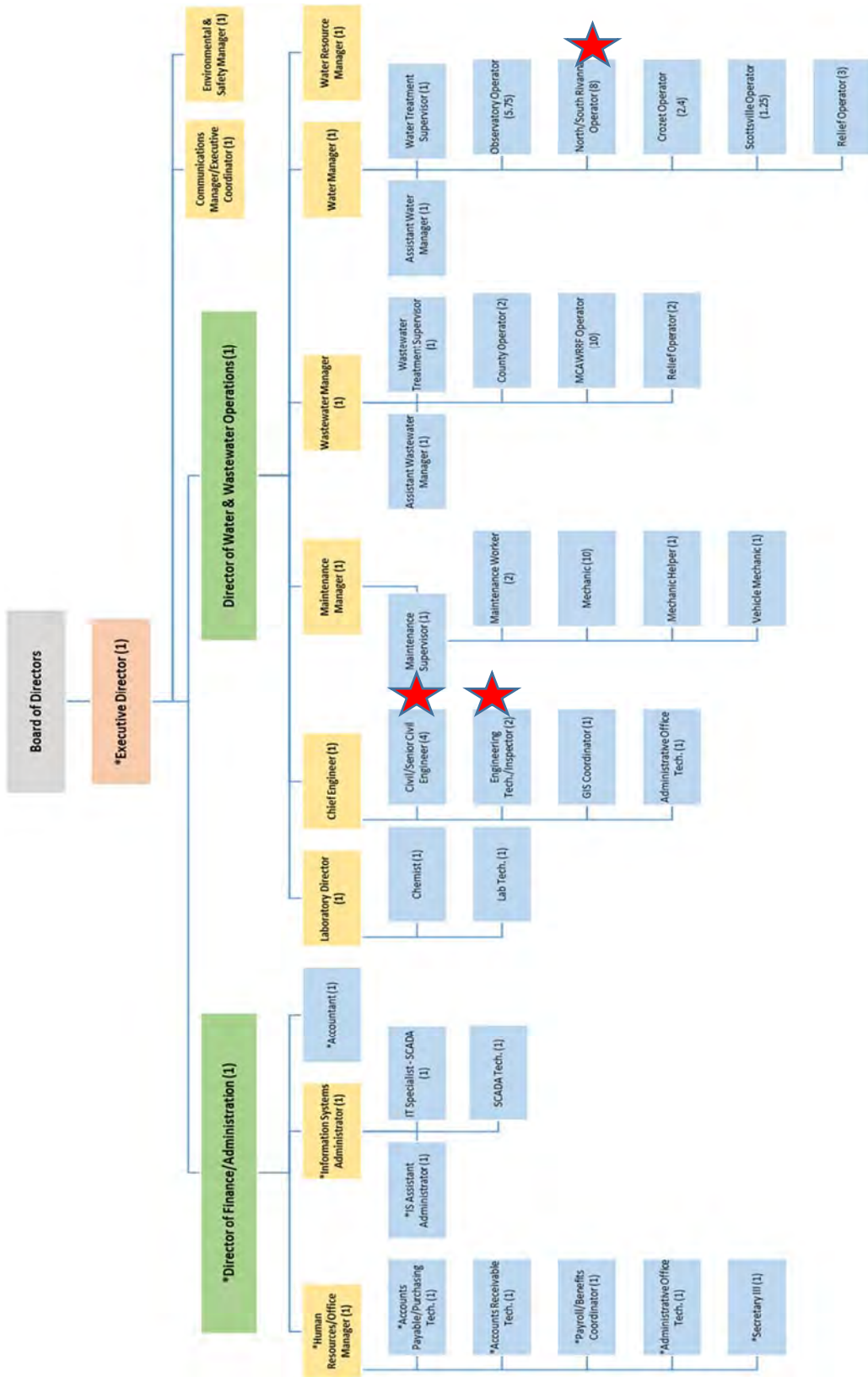
<u>Project Cost</u>	<u>2016-2020 Adopted CIP</u>	<u>Projects Completed</u>	<u>New or Additional Project Costs</u>	<u>2017-2021 Proposed CIP</u>	<u>Change \$</u>	<u>Change %</u>
Urban Water Projects	\$ 53,551,500	\$ -	\$ 7,293,200	\$ 60,844,700	\$ 7,293,200	14%
Urban Wastewater Projects	64,729,000	(9,207,000)	3,446,000	58,968,000	(5,761,000)	-10%
Suburban Projects	15,567,000	-	506,000	16,073,000	506,000	3%
Total Project Cost Estimates	\$ 133,847,500	\$ (9,207,000)	\$ 11,245,200	\$ 135,885,700	\$ 2,038,200	1%

The Authority has programed into this year's budget and previous years' budgets charges that fund the additional debt service budgeted in the CIP. Cumulatively, the Authority has built 38% of future debt service costs into the rates for all rate centers. This is done by using the CIP as a guide for future debt needs to include an average charge increase over that 5 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 charges have nearly **55%** of the needed future debt service already built into the charges over the next five years. (\$1.4 million in annual debt service is estimated to be needed in the next 5 years, and \$807,200 will already be programed into the charges). This would require the remaining \$593,000 to be included in a debt service charge increase (spread out over the next 5 years) to fund the Water projects within the CIP.

Next Five Years			
	Annual Estimated NEW Debt Service Related to 5-year CIP <u>New Debt</u>	New Debt Service Cost Built into <u>FY 2018 Rates</u>	Percentage of Debt Service in Proposed <u>FY 2018 Rates</u>
Urban Water	\$ 1,487,000	\$ 807,200	54.3%
Urban Wastewater	1,200,000	233,900	19.5%
Suburban Rate Centers	750,000	266,000	35.5%
	\$ 3,437,000	\$ 1,307,100	38.0%

**Rivanna Water and Sewer Authority
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Adopted FY 2017-2018 Organization Chart



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Budget Details

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Departmental Summary of Revenues and Expenses

Summary of Revenues

	FY 2017	FY 2018	\$ Change	% Change
Operations Revenues				
Urban Water	\$ 6,331,000	\$ 6,846,000	515,000	8.13%
Crozet Water	946,000	969,000	23,000	2.43%
Scottsville Water	391,000	429,000	38,000	9.72%
Urban Wastewater	6,837,000	7,215,000	378,000	5.53%
Glenmore Wastewater	319,000	353,000	34,000	10.66%
Scottsville Wastewater	254,000	285,000	31,000	12.20%
Administration	329,000	410,000	81,000	24.62%
Maintenance	-	-	-	
Lab	-	-	-	
Engineering	-	-	-	
Total	\$ 15,407,000	\$ 16,507,000	\$ 1,100,000	7.14%
Debt Service Revenues				
Urban Water	\$ 5,500,000	\$ 5,467,000	(33,000)	-0.60%
Crozet Water	579,000	696,000	117,000	20.21%
Scottsville Water	131,000	131,000	-	0.00%
Urban Wastewater	7,270,000	8,198,000	928,000	12.76%
Glenmore Wastewater	2,000	2,000	-	0.00%
Scottsville Wastewater	10,000	9,000	(1,000)	-10.00%
Total	\$ 13,492,000	\$ 14,503,000	\$ 1,011,000	7.49%
Total Revenues	\$ 28,899,000	\$ 31,010,000	\$ 2,111,000	7.30%

Summary of Expenses

	FY 2017	FY 2018	\$ Change	% Change
Operations Expenses				
Urban Water	\$ 4,556,000	\$ 4,855,000	299,000	6.56%
Crozet Water	778,000	782,000	4,000	0.51%
Scottsville Water	284,000	311,000	27,000	9.51%
Urban Wastewater	4,676,000	4,835,000	159,000	3.40%
Glenmore Wastewater	236,000	261,000	25,000	10.59%
Scottsville Wastewater	178,000	200,000	22,000	12.36%
Administration	1,981,000	2,034,000	53,000	2.68%
Maintenance	1,289,000	1,345,000	56,000	4.34%
Lab	354,000	365,000	11,000	3.11%
Engineering	1,077,000	1,519,000	442,000	41.04%
Total	\$ 15,407,000	\$ 16,507,000	\$ 1,100,000	7.14%
Debt Service Expenses				
Urban Water	\$ 5,500,000	\$ 5,467,000	(33,000)	-0.60%
Crozet Water	579,000	696,000	117,000	20.21%
Scottsville Water	131,000	131,000	-	0.00%
Urban Wastewater	7,270,000	8,198,000	928,000	12.76%
Glenmore Wastewater	2,000	2,000	-	0.00%
Scottsville Wastewater	10,000	9,000	(1,000)	-10.00%
Total	\$ 13,492,000	\$ 14,503,000	\$ 1,011,000	7.49%
Total Expenses	\$ 28,899,000	\$ 31,010,000	\$ 2,111,000	7.30%

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 2017	FY 2018	\$ Change	% Change
<u>Operating Rates</u> (\$ per 1,000 Gallons)						
Operations	Water		\$ 1,833	\$ 1,969	\$ 0.136	7.42%
Operations	Wastewater		1,835	1,951	0.116	6.32%
<u>Debt Service Charges</u> (\$ Monthly Charge)						
<u>Water</u>						
Debt Service	CITY		\$ 162,968	\$ 160,039	\$ (2,929)	-1.80%
Debt Service	ACSA		284,031	285,439	1,408	0.50%
<u>Wastewater</u>						
Debt Service	CITY		\$ 369,037	\$ 392,841	\$ 23,804	6.45%
Debt Service	ACSA		222,280	222,550	270	0.12%
OTHER RATE CENTERS (Monthly)			FY 2017	FY 2018	\$ Change	% Change
<u>Crozet Water</u>						
Operations			\$ 76,152	\$ 76,278	\$ 126	0.17%
Debt Service			47,997	57,623	9,626	20.06%
<u>Scottsville Water</u>						
Operations			\$ 32,534	\$ 34,353	\$ 1,819	5.59%
Debt Service			10,848	10,787	(61)	-0.56%
Water Total			\$ 167,531	\$ 179,041	\$ 11,510	6.87%
<u>Glenmore Wastewater</u>						
Operations			\$ 26,562	\$ 29,362	\$ 2,800	10.54%
Debt Service			132	132	-	0.00%
<u>Scottsville Wastewater</u>						
Operations			\$ 21,173	\$ 23,724	\$ 2,551	12.05%
Debt Service			768	686	(82)	-10.68%
Wastewater Total			\$ 48,635	\$ 53,904	\$ 5,269	10.83%
Total Monthly Other Rate Center Charges - ACSA			\$ 216,166	\$ 232,945	\$ 16,779	7.76%

Summary of Charges to Customers

	FY 2017	FY 2018	Change \$	Change %
<u>City Charges From RWSA</u>				
Urban Water				
Operating Rate Charges	\$ 3,270,700	\$ 3,514,200	\$ 243,500	7.4%
Debt Service Charges	1,955,600	1,920,500	(35,100)	-1.8%
	<u>\$ 5,226,300</u>	<u>\$ 5,434,700</u>	<u>\$ 208,400</u>	<u>4.0%</u>
Urban Wastewater				
Operating Rate Charges	\$ 3,267,300	\$ 3,540,600	\$ 273,300	8.4%
Debt Service Charges	4,428,400	4,714,100	285,700	6.5%
	<u>\$ 7,695,700</u>	<u>\$ 8,254,700</u>	<u>\$ 559,000</u>	<u>7.3%</u>
Total City Charges	<u>\$ 12,922,000</u>	<u>\$ 13,689,400</u>	<u>\$ 767,400</u>	<u>5.9%</u>

<u>ACSA Charges From RWSA</u>				
Urban Water				
Operating Rate Charges	\$ 3,019,100	\$ 3,243,900	\$ 224,800	7.4%
Debt Service Charges	3,408,400	3,425,300	16,900	0.5%
	<u>\$ 6,427,500</u>	<u>\$ 6,669,200</u>	<u>\$ 241,700</u>	<u>3.8%</u>
Urban Wastewater				
Operating Rate Charges	\$ 3,015,900	\$ 3,139,800	\$ 123,900	4.1%
Debt Service Charges	2,667,400	2,670,600	3,200	0.1%
	<u>\$ 5,683,300</u>	<u>\$ 5,810,400</u>	<u>\$ 127,100</u>	<u>2.2%</u>
Other Rate Centers				
Operating Charges	\$ 1,877,100	\$ 1,964,600	\$ 87,500	4.7%
Debt Service Charges	716,900	830,700	113,800	15.9%
	<u>\$ 2,594,000</u>	<u>\$ 2,795,300</u>	<u>\$ 201,300</u>	<u>7.8%</u>
Total ACSA Charges	<u>\$ 14,704,800</u>	<u>\$ 15,274,900</u>	<u>\$ 570,100</u>	<u>3.9%</u>

<u>RWSA</u>				
Urban Water				
Operating Rate Charges	\$ 6,289,800	\$ 6,758,100	\$ 468,300	7.4%
Debt Service Charges	5,364,000	5,345,800	(18,200)	-0.3%
	<u>\$ 11,653,800</u>	<u>\$ 12,103,900</u>	<u>\$ 450,100</u>	<u>3.9%</u>
Urban Wastewater				
Operating Rate Charges	\$ 6,283,200	\$ 6,680,400	\$ 397,200	6.3%
Debt Service Charges	7,095,800	7,384,700	288,900	4.1%
	<u>\$ 13,379,000</u>	<u>\$ 14,065,100</u>	<u>\$ 686,100</u>	<u>5.1%</u>
Other Rate Centers				
Operating Charges	\$ 1,877,100	\$ 1,964,600	\$ 87,500	4.7%
Debt Service Charges	716,900	830,700	113,800	15.9%
	<u>\$ 2,594,000</u>	<u>\$ 2,795,300</u>	<u>\$ 201,300</u>	<u>7.8%</u>
Total RWSA Customer Revenues	<u>\$ 27,626,800</u>	<u>\$ 28,964,300</u>	<u>\$ 1,337,500</u>	<u>4.8%</u>

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Water Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2017-2018

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Urban Water Summary

	FY 2017		FY 2018		Budget % Change
	Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	
Projected Flow (MGD)	9.403			9.403	0.00%

Operations Budget

Projected Revenues

	\$	1.833		\$	1.969				
Operations Rate						7.42%			
Revenue	\$	6,289,813	\$	3,375,589	\$	6,751,178	\$	6,758,077	7.44%
Lease Revenues		31,000		22,277		35,000		35,000	12.90%
Use of Reserves		-		-		40,000		40,000	
Miscellaneous		7,000		3,011		6,022		7,000	0.00%
Interest Allocation		3,100		2,891		5,782		6,300	103.23%
Total Operations Revenues	\$	6,330,913	\$	3,403,768	\$	6,837,982	\$	6,846,377	8.14%

Projected Expenses

Personnel Cost	\$	1,622,389	\$	826,687	\$	1,644,294	\$	1,828,853	12.73%
Professional Services		121,400		119,903		134,830		142,450	17.34%
Other Services and Charges		637,400		228,190		530,537		606,100	-4.91%
Communications		63,920		34,981		64,973		64,690	1.20%
Information Technology		77,400		32,569		83,198		65,300	-15.63%
Supplies		7,000		1,460		2,920		7,000	0.00%
Operations and Maintenance		1,489,260		727,326		1,523,153		1,522,660	2.24%
Equipment Purchases		108,500		43,649		87,298		106,500	-1.84%
Depreciation & Reserves		428,563		214,282		428,564		510,000	19.00%
Subtotal Before Allocations	\$	4,555,832	\$	2,229,047	\$	4,499,767	\$	4,853,553	6.53%
Allocation of Support Departments		1,775,081		906,926		1,801,952		1,992,824	12.27%
Total Operations Expenses	\$	6,330,913	\$	3,135,973	\$	6,301,719	\$	6,846,377	8.14%

Operations Cost per 1000 gallons \$1.845 \$1.995 8.13%

Debt Service Budget

Projected Revenue

		CITY	162,968		160,039	-1.80%				
Debt Service Rates		ACSA	284,031		285,439	0.50%				
Debt Service Rate Revenue - CITY	\$		1,955,614	\$	977,808	\$	1,955,616	\$	1,920,463	-1.80%
Debt Service Rate Revenue - ACSA			3,408,375		1,704,186		3,408,372		3,425,267	0.50%
Trust Fund Interest			15,700		5,723		11,446		18,000	14.65%
Reserve Fund Interest			44,000		66,494		132,988		18,000	-59.09%
Buck Mtn. Surcharge			75,100		-		80,000		84,000	11.85%
Lease Revenue			1,600		-		1,600		1,600	0.00%
Total Debt Service Revenue	\$	\$	5,500,389	\$	2,754,211	\$	5,590,022	\$	5,467,330	-0.60%

Principal, Interest & Reserves

Total Principal & Interest	\$	4,534,089		2,267,045	\$	4,534,090	\$	4,242,130	-6.44%
Reserve Additions-Interest		44,000		66,494		132,988		18,000	-59.09%
Debt Service Ratio Charge		285,000		142,500		285,000		400,000	40.35%
Est. New Debt Service - CIP growth		637,300		318,650		637,300		807,200	26.66%
Total Debt Principal and Interest	\$	5,500,389	\$	2,794,689	\$	5,589,378	\$	5,467,330	-0.60%

Rate Center Summary

Total Revenues	\$	11,831,302	\$	6,157,979	\$	12,428,004	\$	12,313,707	4.08%
Total Expenses		11,831,302		5,930,662		11,891,097		12,313,707	4.08%
Surplus/ (Deficit)	\$	-	\$	227,317	\$	536,907	\$	-	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 1,094,683	\$ 540,445	\$ 1,080,890	\$ 1,198,452	\$ 103,769	9.48%
11010	Overtime & Holiday Pay	85,000	75,316	150,632	90,000	5,000	5.88%
12010	FICA	90,246	45,263	90,526	98,567	8,321	9.22%
12020	Health Insurance	182,411	79,111	158,222	238,792	56,381	30.91%
12026	Employee Assistance Program	300	139	278	300	-	0.00%
12030	Retirement	105,709	46,304	92,608	115,291	9,582	9.06%
12040	Life Insurance	14,340	6,247	12,494	15,700	1,360	9.48%
12050	Fitness Program	2,000	1,991	3,982	3,500	1,500	75.00%
12060	Worker's Comp Insurance	18,700	13,620	18,160	21,601	2,901	15.51%
Subtotal		\$ 1,593,389	\$ 808,436	\$ 1,607,792	\$ 1,782,203	\$ 188,814	11.85%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 2,000	\$ 555	\$ 1,110	\$ 2,000	\$ -	0.00%
13150	Education & Training	12,000	5,316	10,632	17,850	5,850	48.75%
13200	Travel & Lodging	4,000	2,379	4,758	9,900	5,900	147.50%
13250	Uniforms	10,000	8,058	16,116	15,400	5,400	54.00%
13325	Recruiting & Medical Testing	500	1,090	2,180	1,000	500	100.00%
13350	Other	500	853	1,706	500	-	0.00%
Subtotal		\$ 29,000	\$ 18,251	\$ 36,502	\$ 46,650	\$ 17,650	60.86%
Professional Services							
20100	Legal Fees	\$ 5,000	\$ 12,415	\$ 14,830	\$ 5,000	\$ -	0.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	116,400	107,488	120,000	137,450	21,050	18.08%
Subtotal		\$ 121,400	\$ 119,903	\$ 134,830	\$ 142,450	\$ 21,050	17.34%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 33,900	\$ 25,047	\$ 25,047	\$ 30,800	\$ (3,100)	-9.14%
21150	Advertising & Communication	-	200	200	-	-	-
21250	Watershed Management	75,000	10,158	45,316	75,000	-	0.00%
21252	EMS Programs/Supplies	500	-	-	500	-	0.00%
21253	Safety Programs/Supplies	5,000	4,296	8,592	15,800	10,800	216.00%
21300	Authority Dues/Permits/Fees	8,000	5,744	11,488	9,000	1,000	12.50%
21350	Laboratory Analysis	55,000	27,424	54,848	55,000	-	0.00%
21400	Utilities	440,000	137,798	350,000	400,000	(40,000)	-9.09%
21420	General Other Services	20,000	17,523	35,046	20,000	-	0.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 637,400	\$ 228,190	\$ 530,537	\$ 606,100	\$ (31,300)	-4.91%
Communication							
22000	Radio	\$ 4,420	\$ 4,989	\$ 4,989	\$ 4,690	\$ 270	6.11%
22150	Telephone & Data Service	52,000	26,616	53,232	52,000	-	0.00%
22200	Cell Phones & Pagers	7,500	3,376	6,752	8,000	500	6.67%
Subtotal		\$ 63,920	\$ 34,981	\$ 64,973	\$ 64,690	\$ 770	1.20%
Information Technology							
31000	Computer Hardware	\$ 8,500	\$ 7,787	\$ 15,574	\$ 7,800	\$ (700)	-8.24%
31150	SCADA Maint. & Support	66,400	23,470	65,000	55,000	(11,400)	-17.17%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	2,500	1,312	2,624	2,500	-	0.00%
Subtotal		\$ 77,400	\$ 32,569	\$ 83,198	\$ 65,300	\$ (12,100)	-15.63%
Supplies							
33000	Office Supplies	\$ 3,000	\$ 666	\$ 1,332	\$ 3,000	\$ -	0.00%
33150	Subscriptions/Reference Material	1,000	185	370	1,000	-	0.00%
33350	Postage & Delivery	3,000	609	1,218	3,000	-	0.00%
Subtotal		\$ 7,000	\$ 1,460	\$ 2,920	\$ 7,000	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 110,000	\$ 117,500	\$ 235,000	\$ 116,800	\$ 6,800	6.18%
41150	Building & Land Lease	32,500	32,313	32,313	32,500	-	0.00%
41200	Pump Station Maintenance	10,000	60	120	5,000	(5,000)	-50.00%
41300	Dam Maintenance	62,200	77,675	155,350	93,000	30,800	49.52%
41350	Pipeline/Appurtenances	111,560	57,297	114,594	146,560	35,000	31.37%
41400	Materials & Supplies	54,000	21,314	42,628	50,000	(4,000)	-7.41%
41450	Chemicals	775,000	335,372	670,744	725,000	(50,000)	-6.45%
41500	Vehicle Maintenance	5,000	3,967	7,934	5,000	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41550	Equipment Maint. & Repair	200,000	62,093	200,000	200,000	-	0.00%
41600	Instrumentation	21,000	4,824	29,648	43,800	22,800	108.57%
41650	Fuel & Lubricants	18,000	4,341	13,682	15,000	(3,000)	-16.67%
41700	General Other Maintenance	90,000	10,570	21,140	90,000	-	0.00%
Subtotal		\$ 1,489,260	\$ 727,326	\$ 1,523,153	\$ 1,522,660	\$ 33,400	2.24%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 19,000	\$ 29,629	\$ 59,258	\$ 19,000	\$ -	0.00%
81200	Rental & Leases	2,500	890	1,780	2,500	-	0.00%
81250	Equipment (over \$5000)	72,000	5,630	11,260	70,000	(2,000)	-2.78%
81300	Vehicle Replacement Fund	15,000	7,500	15,000	15,000	-	0.00%
Subtotal		\$ 108,500	\$ 43,649	\$ 87,298	\$ 106,500	\$ (2,000)	-1.84%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 726,864	\$ 355,326	\$ 692,560	\$ 714,625	\$ (12,239)	-1.68%
95300	Engineering Allocation	505,957	275,559	554,306	713,946	207,989	41.11%
95150	Maintenance Allocation	386,656	200,005	397,327	403,517	16,861	4.36%
95200	Laboratory Allocation	155,604	76,036	157,759	160,736	5,132	3.30%
Subtotal		\$ 1,775,081	\$ 906,926	\$ 1,801,952	\$ 1,992,824	\$ 217,743	12.27%
	Reserve Transfers-GAC Carbon	\$ 168,563	\$ 84,282	\$ 168,564	\$ 250,000	\$ 81,437	48.31%
	Depreciation	260,000	130,000	260,000	260,000	-	0.00%
Subtotal		\$ 428,563	\$ 214,282	\$ 428,564	\$ 510,000	\$ 81,437	19.00%
Total		\$ 6,330,913	\$ 3,135,973	\$ 6,301,719	\$ 6,846,377	\$ 515,464	8.14%

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Crozet Water Summary

	FY 2017			FY 2018	
	Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	Budget % Change
Projected Flow (MGD)	0.500			0.521	4.20%

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$			\$	
	76,152			76,278	0.17%
Revenue	\$ 913,824	\$ 456,912	\$ 1,096,589	\$ 915,336	0.17%
Leases	32,000	12,666	30,398	29,000	-9.38%
Use of Reserves	-	-	-	24,000	
Interest Allocation	400	474	1,138	900	125.00%
Total Operations Revenues	\$ 946,224	\$ 470,052	\$ 1,128,125	\$ 969,236	2.43%

Projected Expenses

Personnel Cost	\$ 267,513	\$ 133,617	\$ 265,631	\$ 289,212	8.11%
Professional Services	76,700	21,744	76,700	47,000	-38.72%
Other Services and Charges	88,200	44,833	87,966	121,480	37.73%
Communications	4,000	2,262	5,420	4,230	5.75%
Information Technology	14,200	2,746	7,158	14,200	0.00%
Supplies	760	186	2,072	670	-11.84%
Operations and Maintenance	259,000	118,780	236,626	233,630	-9.80%
Equipment Purchases	35,450	2,073	24,146	26,400	-25.53%
Depreciation	32,000	16,000	32,000	45,000	40.63%
Subtotal Before Allocations	\$ 777,823	\$ 342,241	\$ 737,719	\$ 781,822	0.51%
Allocations of Support Departments	168,395	86,000	170,832	187,416	11.30%
Total Operations Expenses	\$ 946,218	\$ 428,241	\$ 908,551	\$ 969,238	2.43%

Operations Cost per 1000 gallons	\$5.185			\$5.097	-1.70%
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Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly	\$			\$	
	47,997			57,623	20.06%
Debt Service Rate Revenue - ACSA	\$ 575,964	\$ 287,982	\$ 575,964	\$ 691,476	20.06%
Trust Fund Interest	1,800	654	1,800	1,800	0.00%
Reserve Fund Interest	1,100	1,791	2,700	2,700	145.45%
Total Debt Service Revenue	\$ 578,864	\$ 290,427	\$ 580,464	\$ 695,976	20.23%

Principal, Interest & Reserves

Total Principal & Interest - Existing	\$ 431,461	\$ 215,731	\$ 431,462	\$ 426,977	-1.04%
Estimated New Principal & Interest	146,300	73,150	146,300	266,300	
Reserve Additions-Interest	1,100	1,791	2,700	2,700	145.45%
Total Debt Principal and Interest	\$ 578,861	\$ 290,672	\$ 580,462	\$ 695,977	20.23%

Rate Center Summary

Total Revenues	\$ 1,525,088	\$ 760,479	\$ 1,708,589	\$ 1,665,212	9.19%
Total Expenses	1,525,079	718,913	1,489,013	1,665,215	9.19%
Surplus/ (Deficit)	\$ 9	\$ 41,566	\$ 219,576	\$ (3)	
Rates - (Monthly)					
ACSA	\$ 124,149			\$ 133,901	7.86%

Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail

Rate Center: Crozet Water

Object Code	Line Item	Current Year Activity			Adopted Budget FY 2017-2018	2017	2017
		Adopted Budget FY 2016-2017	Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
10000 Salaries & Benefits							
11000	Salaries	\$ 176,549	\$ 86,954	\$ 173,908	\$ 187,500	\$ 10,951	6.20%
11010	Overtime & Holiday Pay	18,000	12,454	24,908	18,000	-	0.00%
12010	FICA	14,883	7,314	14,628	15,721	838	5.63%
12020	Health Insurance	29,894	12,978	25,956	37,907	8,013	26.80%
12026	Employee Assistance Program	50	23	46	50	-	0.00%
12030	Retirement	16,984	7,399	14,798	18,038	1,054	6.21%
12040	Life Insurance	2,313	1,000	2,000	2,456	143	6.18%
12050	Fitness Program	400	319	638	600	200	50.00%
12060	Worker's Comp Insurance	3,300	2,404	3,205	3,400	100	3.03%
Subtotal		\$ 262,373	\$ 130,845	\$ 260,087	\$ 283,672	\$ 21,299	8.12%
13000 Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 250	\$ 71	\$ 142	\$ 250	\$ -	0.00%
13150	Education & Training	3,000	750	1,500	2,900	(100)	-3.33%
13200	Travel & Lodging	500	372	744	1,000	500	100.00%
13250	Uniforms	1,300	1,271	2,542	1,300	-	0.00%
13325	Recruiting & Medical Testing	40	180	360	40	-	0.00%
13350	Other	50	128	256	50	-	0.00%
Subtotal		\$ 5,140	\$ 2,772	\$ 5,544	\$ 5,540	\$ 400	7.78%
20000 Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	76,700	21,744	76,700	47,000	(29,700)	-38.72%
Subtotal		\$ 76,700	\$ 21,744	\$ 76,700	\$ 47,000	\$ (29,700)	
21000 Other Services and Charges							
21100	General Liability/Property Ins.	\$ 2,150	\$ 1,700	\$ 1,700	\$ 1,900	\$ (250)	-11.63%
21150	Advertising & Communication	100	-	-	-	(100)	-100.00%
21250	Watershed Management	100	158	316	25,000	24,900	24900.00%
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	50	267	534	2,280	2,230	4460.00%
21300	Authority Dues/Permits/Fees	2,500	1,014	2,028	2,500	-	0.00%
21350	Laboratory Analysis	19,500	12,677	25,354	26,000	6,500	33.33%
21400	Utilities	60,000	29,014	58,028	60,000	-	0.00%
21420	General Other Services	3,800	3	6	3,800	-	0.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 88,200	\$ 44,833	\$ 87,966	\$ 121,480	\$ 33,280	37.73%
22000 Communication							
22100	Radio	\$ 400	\$ 402	\$ 1,700	\$ 430	\$ 30	7.50%
22150	Telephone & Data Service	2,800	1,488	2,976	2,900	100	3.57%
22200	Cell Phones & Pagers	800	372	744	900	100	12.50%
Subtotal		\$ 4,000	\$ 2,262	\$ 5,420	\$ 4,230	\$ 230	5.75%
31000 Information Technology							
31100	Computer Hardware	\$ 1,000	\$ 17	\$ 1,700	\$ 1,000	\$ -	0.00%
31150	SCADA Maint. & Support	12,400	2,632	5,264	12,400	-	0.00%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	800	97	194	800	-	0.00%
Subtotal		\$ 14,200	\$ 2,746	\$ 7,158	\$ 14,200	\$ -	0.00%
33000 Supplies							
33100	Office Supplies	\$ 400	\$ -	\$ 1,700	\$ 400	\$ -	0.00%
33150	Subscriptions/Reference Material	100	18	36	10	(90)	-90.00%
33350	Postage & Delivery	260	168	336	260	-	0.00%
Subtotal		\$ 760	\$ 186	\$ 2,072	\$ 670	\$ (90)	-11.84%
41000 Operation & Maintenance							
41100	Building & Grounds	\$ 10,000	\$ 17,733	\$ 35,466	\$ 35,000	\$ 25,000	250.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	5,000	-	5,000	5,000	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41350	Pipeline/Appurtenances	5,000	-	-	5,000	-	0.00%
41400	Materials & Supplies	3,000	6,387	12,774	5,000	2,000	66.67%
41450	Chemicals	115,000	85,319	120,000	117,480	2,480	2.16%
41500	Vehicle Maintenance	1,000	432	864	1,000	-	0.00%
41550	Equipment Maint. & Repair	90,000	2,648	40,000	40,000	(50,000)	-55.56%
41600	Instrumentation	3,000	5,805	11,610	8,150	5,150	171.67%
41650	Fuel & Lubricants	7,000	456	912	7,000	-	0.00%
41700	General Other Maintenance	20,000	-	10,000	10,000	(10,000)	-50.00%
Subtotal		\$ 259,000	\$ 118,780	\$ 236,626	\$ 233,630	\$ (25,370)	-9.80%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ 1,348	\$ 2,696	\$ 4,000	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	30,000	-	20,000	20,000	(10,000)	-33.33%
81300	Vehicle Replacement Fund	1,450	725	1,450	2,400	950	65.52%
Subtotal		\$ 35,450	\$ 2,073	\$ 24,146	\$ 26,400	\$ (9,050)	-25.53%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 66,079	\$ 32,302	\$ 62,960	\$ 64,966	\$ (1,113)	-1.68%
95300	Engineering Allocation	43,060	23,452	47,175	60,761	17,701	41.11%
95150	Maintenance Allocation	45,110	23,334	46,355	47,077	1,967	4.36%
95200	Laboratory Allocation	14,146	6,912	14,342	14,612	466	3.29%
Subtotal		\$ 168,395	\$ 86,000	\$ 170,832	\$ 187,416	\$ 19,021	11.30%
	Reserve Transfers-GAC Carbon	\$ 12,000	\$ 6,000	\$ 12,000	\$ 20,000	\$ 8,000	66.67%
	Depreciation	20,000	10,000	20,000	25,000	5,000	25.00%
Subtotal		\$ 32,000	\$ 16,000	\$ 32,000	\$ 45,000	\$ 13,000	40.63%
Total		\$ 946,218	\$ 428,241	\$ 908,551	\$ 969,238	\$ 23,020	2.43%

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Scottsville Water Summary

	FY 2017			FY 2018	Budget % Change
	Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	
Projected Flow (MGD)	0.052			0.051	-1.92%

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$ 32,534			\$ 34,353	5.59%
Revenue	\$ 390,408	\$ 195,204	\$ 390,408	\$ 412,236	5.59%
Use of reserves				16,000	
Interest Allocation	250	237	474	400	60.00%
Total Operations Revenues	\$ 390,658	\$ 195,441	\$ 390,882	\$ 428,636	9.72%

Projected Expenses

Personnel Cost	\$ 140,811	\$ 71,204	\$ 141,291	\$ 154,467	9.70%
Professional Services	15,300	12,802	15,300	26,000	69.93%
Other Services and Charges	23,500	8,884	17,449	19,490	-17.06%
Communications	2,900	1,757	3,514	3,210	10.69%
Information Technology	7,000	811	1,622	7,000	0.00%
Supplies	750	18	36	750	0.00%
Operations and Maintenance	61,700	19,642	45,032	66,570	7.89%
Equipment Purchases	13,700	1,848	15,696	14,400	5.11%
Depreciation	18,250	9,125	18,250	19,500	6.85%
Subtotal Before Allocations	\$ 283,911	\$ 126,091	\$ 258,190	\$ 311,387	9.68%
Allocations of Support Departments	106,752	54,667	108,594	117,247	9.83%
Total Operations Expenses	\$ 390,663	\$ 180,758	\$ 366,784	\$ 428,634	9.72%

Operations Cost per 1000 gallons	\$20.583			\$23.026	11.87%
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Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly	\$ 10,848			\$ 10,787	-0.56%
Debt Service Rate Revenue - ACSA	\$ 130,181	\$ 65,088	\$ 130,176	\$ 129,448	-0.56%
Trust Fund Interest	450	164	328	400	-11.11%
Reserve Fund Interest	500	955	1,910	1,500	200.00%
Total Debt Service Revenue	\$ 131,131	\$ 66,207	\$ 132,414	\$ 131,348	0.17%

Principal, Interest & Reserves

Total Principal & Interest	\$ 130,631	\$ 65,316	\$ 130,632	\$ 129,848	-0.60%
Estimated New Principal & Interest	-	-	-	-	
Reserve Additions-Interest	500	955	1,910	1,500	200.00%
Total Debt Principal and Interest	\$ 131,131	\$ 66,271	\$ 132,542	\$ 131,348	0.17%

Rate Center Summary					
Total Revenues	\$ 521,789	\$ 261,648	\$ 523,296	\$ 559,984	7.32%
Total Expenses	521,794	247,029	499,326	559,982	7.32%
Surplus/ (Deficit)	\$ (5)	\$ 14,619	\$ 23,970	\$ 2	
Rates - Monthly					
ACSA	\$ 43,382			\$ 45,140	4.05%

Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity			Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017			vs. 2018 Variance \$	vs. 2018 Variance %
10000 Salaries & Benefits								
11000	Salaries	\$ 91,038	\$ 46,102	\$ 92,204	\$ 99,108	\$ 8,070	8.86%	
11010	Overtime & Holiday Pay	10,000	6,515	13,030	10,000	-	0.00%	
12010	FICA	7,729	3,871	7,742	8,347	618	8.00%	
12020	Health Insurance	15,423	7,113	14,226	20,055	4,632	30.03%	
12026	Employee Assistance Program	40	12	24	25	(15)	-37.50%	
12030	Retirement	8,758	3,811	7,622	9,534	776	8.86%	
12040	Life Insurance	1,193	515	1,030	1,298	105	8.80%	
12050	Fitness Program	200	164	328	320	120	60.00%	
12060	Worker's Comp Insurance	2,300	1,675	2,233	1,800	(500)	-21.74%	
Subtotal		\$ 136,681	\$ 69,778	\$ 138,439	\$ 150,487	\$ 13,806	10.10%	
13000 Other Personnel Costs								
13100	Employee Dues & Licenses	\$ 180	\$ 36	\$ 72	\$ 180	\$ -	0.00%	
13150	Education & Training	2,000	385	770	1,950	(50)	-2.50%	
13200	Travel & Lodging	600	191	382	500	(100)	-16.67%	
13250	Uniforms	1,200	655	1,310	1,200	-	0.00%	
13325	Recruiting & Medical Testing	100	93	186	100	-	0.00%	
13350	Other	50	66	132	50	-	0.00%	
Subtotal		\$ 4,130	\$ 1,426	\$ 2,852	\$ 3,980	\$ (150)	-3.63%	
Professional Services								
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-	
20200	Financial & Admin. Services	-	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	3.00%	
20300	Engineering & Technical Services	15,300	12,802	15,300	26,000	10,700	69.93%	
Subtotal		\$ 15,300	\$ 12,802	\$ 15,300	\$ 26,000	\$ 10,700		
Other Services and Charges								
21100	General Liability/Property Ins.	\$ 1,000	\$ 783	\$ 783	\$ 700	\$ (300)	-30.00%	
21150	Advertising & Communication	-	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	-	
21253	Safety Programs/Supplies	700	299	598	1,990	1,290	184.29%	
21300	Authority Dues/Permits/Fees	1,200	368	1,200	1,000	(200)	-16.67%	
21350	Laboratory Analysis	9,000	2,071	4,142	6,000	(3,000)	-33.33%	
21400	Utilities	9,600	5,362	10,724	9,600	-	0.00%	
21420	General Other Services	2,000	1	2	200	(1,800)	-90.00%	
21430	Governance Support	-	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	-	
Subtotal		\$ 23,500	\$ 8,884	\$ 17,449	\$ 19,490	\$ (4,010)	-17.06%	
22000 Communication								
22100	Radio	\$ 400	\$ 402	\$ 804	\$ 430	\$ 30	7.50%	
22150	Telephone & Data Service	1,900	1,029	2,058	2,000	100	5.26%	
22200	Cell Phones & Pagers	600	326	652	780	180	30.00%	
Subtotal		\$ 2,900	\$ 1,757	\$ 3,514	\$ 3,210	\$ 310	10.69%	
31000 Information Technology								
31100	Computer Hardware	\$ 600	\$ -	\$ -	\$ 600	\$ -	0.00%	
31150	SCADA Maint. & Support	6,200	714	1,428	6,200	-	0.00%	
31200	Maintenance & Support Services	-	-	-	-	-	-	
31250	Software Purchases	200	97	194	200	-	0.00%	
Subtotal		\$ 7,000	\$ 811	\$ 1,622	\$ 7,000	\$ -	0.00%	
33000 Supplies								
33100	Office Supplies	\$ 300	\$ -	\$ -	\$ 300	\$ -	0.00%	
33150	Subscriptions/Reference Material	100	18	36	100	-	0.00%	
33350	Postage & Delivery	350	-	-	350	-	0.00%	
Subtotal		\$ 750	\$ 18	\$ 36	\$ 750	\$ -	0.00%	
41000 Operation & Maintenance								
41100	Building & Grounds	\$ 9,000	\$ 3,065	\$ 6,130	\$ 12,000	\$ 3,000	33.33%	
41150	Building & Land Lease	-	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	-	
41300	Dam Maintenance	1,500	-	1,500	1,500	-	0.00%	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41350	Pipeline/Appurtenances	100	-	-	100	-	0.00%
41400	Materials & Supplies	3,000	1,690	3,380	3,000	-	0.00%
41450	Chemicals	16,000	4,376	13,000	13,700	(2,300)	-14.38%
41500	Vehicle Maintenance	700	334	668	700	-	0.00%
41550	Equipment Maint. & Repair	15,000	570	1,140	15,000	-	0.00%
41600	Instrumentation	3,000	4,625	9,250	7,170	4,170	139.00%
41650	Fuel & Lubricants	1,400	307	614	1,400	-	0.00%
41700	General Other Maintenance	12,000	4,675	9,350	12,000	-	0.00%
<i>Subtotal</i>		\$ 61,700	\$ 19,642	\$ 45,032	\$ 66,570	\$ 4,870	7.89%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 200	\$ 1,348	\$ 2,696	\$ 200	\$ -	0.00%
81200	Rental & Leases	500	-	-	500	-	0.00%
81250	Equipment (over \$5000)	12,000	-	12,000	12,000	-	0.00%
81300	Vehicle Replacement Fund	1,000	500	1,000	1,700	700	70.00%
<i>Subtotal</i>		\$ 13,700	\$ 1,848	\$ 15,696	\$ 14,400	\$ 700	5.11%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 33,039	\$ 16,151	\$ 31,480	\$ 32,483	\$ (556)	-1.68%
95300	Engineering Allocation	21,530	11,726	23,588	30,381	8,851	41.11%
95150	Maintenance Allocation	45,110	23,334	46,355	47,077	1,967	4.36%
95200	Laboratory Allocation	7,073	3,456	7,171	7,306	233	3.29%
<i>Subtotal</i>		\$ 106,752	\$ 54,667	\$ 108,594	\$ 117,247	\$ 10,495	9.83%
	Reserve Transfers-GAC Carbon	\$ 1,250	\$ 625	\$ 1,250	\$ 2,500	1,250	100.00%
	Depreciation	17,000	8,500	17,000	17,000	-	0.00%
<i>Subtotal</i>		\$ 18,250	\$ 9,125	\$ 18,250	\$ 19,500	\$ 1,250	6.85%
Total		\$ 390,663	\$ 180,758	\$ 366,784	\$ 428,634	\$ 37,971	9.72%

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Wastewater Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2017-2018

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Urban Wastewater Summary

	FY 2017			FY 2018	Budget % Change
	Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	
Projected Flow (MGD)	9.383			9.383	0.00%

Operations Budget

Projected Revenues

	\$		\$		\$		\$	
Operations Rate	1.835				1.951			6.32%
Revenue	6,283,199	\$ 3,122,476	\$ 6,244,952	\$ 6,680,446				6.32%
Stone Robinson WWTP	27,027	10,139	20,278	27,630				2.23%
Septage Acceptance	390,000	179,214	358,428	390,000				0.00%
Nutrient Credits	123,000	69,788	69,788	100,000				-18.70%
Miscellaneous Revenue	10,000	11,262	12,000	10,000				0.00%
Interest Allocation	4,000	3,190	6,380	6,800				70.00%
Total Operations Revenues	\$ 6,837,226	\$ 3,396,069	\$ 6,711,826	\$ 7,214,876				5.52%

Projected Expenses

Personnel Cost	\$ 1,204,156	\$ 651,905	\$ 1,293,469	\$ 1,230,127				2.16%
Professional Services	54,000	7,316	49,632	54,000				0.00%
Other Services and Charges	1,385,400	699,403	1,338,432	1,571,400				13.43%
Communications	9,120	6,515	9,416	10,430				14.36%
Information Technology	60,600	15,401	27,769	57,300				-5.45%
Supplies	2,450	1,353	1,396	2,700				10.20%
Operations and Maintenance	1,445,980	863,146	1,495,940	1,390,300				-3.85%
Equipment Purchases	49,500	48,333	101,666	54,000				9.09%
Depreciation & Reserves	465,000	232,500	465,000	465,000				0.00%
Subtotal before allocations	\$ 4,676,206	\$ 2,525,872	\$ 4,782,720	\$ 4,835,257				3.40%
Allocations of Support Depts.	2,161,020	1,103,495	2,191,260	2,379,619				10.12%
Total Operations Expenses	\$ 6,837,226	\$ 3,629,367	\$ 6,973,980	\$ 7,214,876				5.52%

Operations Cost per 1000 gallons \$1.996 \$2.107 5.56%

Debt Service Budget

Projected Revenue

	CITY							
Debt Service Rate	369,037				392,841			6.45%
	ACSA	222,280			222,550			0.12%
Debt Service Rate Revenue - CITY	\$ 4,428,448	\$ 2,214,222	\$ 4,428,444	\$ 4,714,093				6.45%
Debt Service Rate Revenue - ACSA	2,667,355	1,333,680	2,667,360	2,670,596				0.12%
Use of Reserves for 2016 Bond DS	-	-	-	600,000				0.00%
County MOU - Septage	109,440	109,441	109,441	109,440				0.00%
Trust Fund Interest	26,800	9,794	19,588	26,200				-2.24%
Reserve Fund Interest	38,000	49,423	78,846	77,300				103.42%
Total Debt Service Revenue	\$ 7,270,043	\$ 3,716,560	\$ 7,303,679	\$ 8,197,629				12.76%

Principal, Interest & Reserves

Total Principal & Interest	\$ 6,421,044	\$ 3,210,522	\$ 6,421,044	\$ 7,561,430				17.76%
Reserve Additions-Interest	38,000	49,423	98,846	77,300				103.42%
Debt Service Ratio charge	325,000	162,500	325,000	325,000				0.00%
Est. New Debt Service - CIP growth	486,000	243,000	486,000	233,900				-51.87%
Total Debt Principal and Interest	\$ 7,270,044	\$ 3,665,445	\$ 7,330,890	\$ 8,197,630				12.76%

Rate Center Summary

Total Revenues	\$ 14,107,269	\$ 7,112,629	\$ 14,015,505	\$ 15,412,505				9.25%
Total Expenses	14,107,270	7,294,812	14,304,870	15,412,506				9.25%
Surplus/ (Deficit)	\$ (1)	\$ (182,183)	\$ (289,365)	\$ (1)				

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 826,905	\$ 431,429	\$ 862,858	\$ 821,502	\$ (5,403)	-0.65%
11010	Overtime & Holiday Pay	45,000	43,111	86,222	55,000	10,000	22.22%
12010	FICA	66,701	34,342	68,684	67,052	351	0.53%
12020	Health Insurance	144,630	72,257	144,514	163,633	19,003	13.14%
12026	Employee Assistance Program	240	111	222	220	(20)	-8.33%
12030	Retirement	79,948	37,686	75,372	79,028	(920)	-1.15%
12040	Life Insurance	10,832	5,027	10,054	10,762	(70)	-0.65%
12050	Fitness Program	1,000	720	1,440	1,500	500	50.00%
12060	Worker's Comp Insurance	11,000	8,012	10,683	8,200	(2,800)	-25.45%
	Subtotal	\$ 1,186,256	\$ 632,695	\$ 1,260,049	\$ 1,206,897	\$ 20,641	1.74%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 2,700	\$ 1,685	\$ 3,370	\$ 2,800	\$ 100	3.70%
13150	Education & Training	5,000	10,637	16,274	6,830	1,830	36.60%
13200	Travel & Lodging	4,000	980	1,960	5,200	1,200	30.00%
13250	Uniforms	5,200	4,803	9,606	6,900	1,700	32.69%
13325	Recruiting & Medical Testing	500	473	946	1,000	500	100.00%
13350	Other	500	632	1,264	500	-	0.00%
	Subtotal	\$ 17,900	\$ 19,210	\$ 33,420	\$ 23,230	\$ 5,330	29.78%
20100	Professional Services						
20100	Legal Fees	\$ 4,000	\$ 1,150	\$ 2,300	\$ 4,000	\$ -	0.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	50,000	6,166	47,332	50,000	-	0.00%
	Subtotal	\$ 54,000	\$ 7,316	\$ 49,632	\$ 54,000	\$ -	-
21100	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 75,900	\$ 59,688	\$ 59,688	\$ 63,400	\$ (12,500)	-16.47%
21150	Advertising & Communication	1,500	-	-	-	(1,500)	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	11,000	2,379	4,758	8,100	(2,900)	-26.36%
21300	Authority Dues/Permits/Fees	31,000	18,473	36,946	37,000	6,000	19.35%
21350	Laboratory Analysis	9,000	2,321	4,642	6,500	(2,500)	-27.78%
21400	Utilities	725,000	394,863	789,726	750,000	25,000	3.45%
21420	General Other Services	532,000	220,986	441,972	704,400	172,400	32.41%
21430	Governance Support	-	693	700	2,000	2,000	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 1,385,400	\$ 699,403	\$ 1,338,432	\$ 1,571,400	\$ 186,000	13.43%
22000	Communication						
22100	Radio	\$ 3,620	\$ 3,614	\$ 3,614	\$ 3,830	\$ 210	5.80%
22150	Telephone & Data Service	2,000	897	1,794	1,800	(200)	-10.00%
22200	Cell Phones & Pagers	3,500	2,004	4,008	4,800	1,300	37.14%
	Subtotal	\$ 9,120	\$ 6,515	\$ 9,416	\$ 10,430	\$ 1,310	14.36%
31000	Information Technology						
31100	Computer Hardware	\$ 7,200	\$ 3,033	\$ 3,033	\$ 6,500	\$ (700)	-9.72%
31150	SCADA Maint. & Support	52,800	11,158	22,316	50,000	(2,800)	-5.30%
31200	Maintenance & Support Services	-	-	-	-	-	-
31250	Software Purchases	600	1,210	2,420	800	200	33.33%
	Subtotal	\$ 60,600	\$ 15,401	\$ 27,769	\$ 57,300	\$ (3,300)	-5.45%
33000	Supplies						
33100	Office Supplies	\$ 1,500	\$ 1,310	\$ 1,310	\$ 2,500	\$ 1,000	66.67%
33150	Subscriptions/Reference Material	750	-	-	-	(750)	-100.00%
33350	Postage & Delivery	200	43	86	200	-	0.00%
	Subtotal	\$ 2,450	\$ 1,353	\$ 1,396	\$ 2,700	\$ 250	10.20%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 31,400	\$ 43,980	\$ 50,000	\$ 31,400	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	112,010	29,606	79,212	78,000	(34,010)	-30.36%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	186,370	48,890	137,780	215,000	28,630	15.36%
41400	Materials & Supplies	21,800	18,765	37,530	28,000	6,200	28.44%
41450	Chemicals	750,000	333,803	742,606	669,200	(80,800)	-10.77%
41500	Vehicle Maintenance	8,000	12,235	8,000	10,000	2,000	25.00%
41550	Equipment Maint. & Repair	296,600	363,461	400,000	300,000	3,400	1.15%

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41600	Instrumentation	39,800	13,261	37,522	58,700	18,900	47.49%
41650	Fuel & Lubricants	30,000	15,051	35,102	38,000	8,000	26.67%
41700	General Other Maintenance	(30,000)	(15,906)	(31,812)	(38,000)	(8,000)	-26.67%
Subtotal		\$ 1,445,980	\$ 863,146	\$ 1,495,940	\$ 1,390,300	\$ (55,680)	-3.85%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ 13,771	\$ 27,542	\$ 7,500	\$ 3,500	87.50%
81200	Rental & Leases	5,000	17,312	34,624	10,000	5,000	100.00%
81250	Equipment (over \$5000)	6,000	-	5,000	-	(6,000)	-100.00%
81300	Vehicle Replacement Fund	34,500	17,250	34,500	36,500	2,000	5.80%
Subtotal		\$ 49,500	\$ 48,333	\$ 101,666	\$ 54,000	\$ 4,500	9.09%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 792,943	\$ 387,629	\$ 755,520	\$ 779,591	\$ (13,352)	-1.68%
95300	Engineering Allocation	473,662	257,970	518,925	668,375	194,713	41.11%
95150	Maintenance Allocation	728,202	376,676	748,299	759,957	31,755	4.36%
95200	Laboratory Allocation	166,213	81,220	168,516	171,696	5,483	3.30%
Subtotal		\$ 2,161,020	\$ 1,103,495	\$ 2,191,260	\$ 2,379,619	\$ 218,599	10.12%
Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		465,000	232,500	465,000	465,000	-	0.00%
Subtotal		\$ 465,000	\$ 232,500	\$ 465,000	\$ 465,000	\$ -	0.00%
Total		\$ 6,837,226	\$ 3,629,367	\$ 6,973,980	\$ 7,214,876	\$ 377,650	5.52%

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Glenmore Wastewater Summary

Projected Flow (MGD)

FY 2017			FY 2018		Budget % Change
Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget		
0.119			0.113		

Operations Budget

Projected Revenues

Operations Rate (monthly)

Revenue	\$ 318,744	\$ 159,372	\$ 318,744	\$ 352,344	10.54%
Interest Allocation	175	148	296	300	71.43%
Total Operations Revenues	\$ 318,919	\$ 159,520	\$ 319,040	\$ 352,644	10.57%

Projected Expenses

Personnel Cost	\$ 83,791	\$ 45,052	\$ 89,740	\$ 90,824	8.39%
Professional Services	-	1,300	2,600	3,000	
Other Services and Charges	31,370	15,991	31,675	31,490	0.38%
Communications	3,630	1,152	2,304	2,600	-28.37%
Information Technology	1,900	1,586	3,172	3,500	84.21%
Supplies	100	-	-	100	0.00%
Operations and Maintenance	109,440	70,707	132,398	121,450	10.97%
Equipment Purchases	2,600	1,050	2,100	3,100	19.23%
Depreciation	3,000	1,500	3,000	5,000	66.67%
Subtotal before allocations	\$ 235,831	\$ 138,338	\$ 266,989	\$ 261,064	10.70%
Allocations of Support Depts.	83,083	42,796	85,164	91,584	10.23%
Total Operations Expenses	\$ 318,914	\$ 181,134	\$ 352,153	\$ 352,648	10.58%

Operations Cost per 1000 gallons

\$7.342

\$8.550

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)

Debt Service Rate Revenue - ACSA	\$ 1,582	\$ 792	\$ 1,584	\$ 1,582	0.00%
Trust Fund Interest	-	-	-	-	
Reserve Fund Interest	400	478	956	600	50.00%
Total Debt Service Revenue	\$ 1,982	\$ 1,270	\$ 2,540	\$ 2,182	10.09%

Principal, Interest & Reserves

Total Principal & Interest	\$ 1,582	\$ 791	\$ 1,582	\$ 1,582	0.00%
Reserve Additions-Interest	400	478	956	600	50.00%
Total Debt Principal and Interest	\$ 1,982	\$ 1,269	\$ 2,538	\$ 2,182	10.09%

Rate Center Summary

Total Revenues	\$ 320,901	\$ 160,790	\$ 321,580	\$ 354,826	10.57%
Total Expenses	320,896	182,403	354,691	354,830	10.57%
Surplus/ (Deficit)	\$ 5	\$ (21,613)	\$ (33,111)	\$ (4)	
Rates (Monthly)					
ACSA	\$ 26,694			\$ 29,494	10.49%

Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 56,932	\$ 29,677	\$ 59,354	\$ 60,422	\$ 3,490	6.13%
11010	Overtime & Holiday Pay	3,500	3,079	6,158	4,000	500	14.29%
12010	FICA	4,623	2,377	4,754	4,928	305	6.60%
12020	Health Insurance	10,181	5,088	10,176	12,324	2,143	21.05%
12026	Employee Assistance Program	17	8	16	15	(2)	-11.76%
12030	Retirement	5,477	2,585	5,170	5,813	336	6.13%
12040	Life Insurance	746	343	686	792	46	6.17%
12050	Fitness Program	60	47	94	100	40	66.67%
12060	Worker's Comp Insurance	750	546	728	600	(150)	-20.00%
	Subtotal	\$ 82,286	\$ 43,750	\$ 87,136	\$ 88,994	\$ 6,708	8.15%
Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 230	\$ 111	\$ 222	\$ 230	\$ -	0.00%
13150	Education & Training	500	711	1,422	490	(10)	-2.00%
13200	Travel & Lodging	300	58	116	375	75	25.00%
13250	Uniforms	400	343	686	600	200	50.00%
13325	Recruiting & Medical Testing	25	34	68	100	75	300.00%
13350	Other	50	45	90	35	(15)	-30.00%
	Subtotal	\$ 1,505	\$ 1,302	\$ 2,604	\$ 1,830	\$ 325	21.59%
Professional Services							
20100	Legal Fees	\$ -	\$ 1,300	\$ 2,600	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20250	Bond Issue Costs	-	-	-	-	-	
20300	Engineering & Technical Services	-	-	-	3,000	3,000	
	Subtotal	\$ -	\$ 1,300	\$ 2,600	\$ 3,000	\$ 3,000	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 470	\$ 307	\$ 307	\$ 300	\$ (170)	-36.17%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	800	256	512	800	-	0.00%
21300	Authority Dues/Permits/Fees	2,600	2,707	5,414	280	(2,320)	-89.23%
21350	Laboratory Analysis	1,500	-	-	1,500	-	
21400	Utilities	26,000	12,720	25,440	28,500	2,500	9.62%
21420	General Other Services	-	1	2	110	110	
21430	Governance Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 31,370	\$ 15,991	\$ 31,675	\$ 31,490	\$ 120	0.38%
Communication							
22100	Radio	\$ 400	\$ 402	\$ 804	\$ 400	\$ -	0.00%
22150	Telephone & Data Service	2,730	523	1,046	1,700	(1,030)	-37.73%
22200	Cell Phones & Pagers	500	227	454	500	-	0.00%
	Subtotal	\$ 3,630	\$ 1,152	\$ 2,304	\$ 2,600	\$ (1,030)	-28.37%
Information Technology							
31100	Computer Hardware	\$ 650	\$ 768	\$ 1,536	\$ 800	\$ 150	23.08%
31150	SCADA Maint. & Support	1,050	818	1,636	2,500	1,450	138.10%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software Purchases	200	-	-	200	-	0.00%
	Subtotal	\$ 1,900	\$ 1,586	\$ 3,172	\$ 3,500	\$ 1,600	84.21%
Supplies							
33100	Office Supplies	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
	Subtotal	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 12,000	\$ 8,433	\$ 16,866	\$ 8,500	\$ (3,500)	-29.17%
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	7,500	10,886	15,000	9,000	1,500	20.00%
41300	Dam Maintenance	-	-	-	-	-	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%
41400	Materials & Supplies	5,200	581	2,200	2,000	(3,200)	-61.54%
41450	Chemicals	-	783	1,566	4,000	4,000	
41500	Vehicle Maintenance	750	634	1,268	750	-	0.00%
41550	Equipment Maint. & Repair	18,000	20,891	35,000	18,000	-	0.00%
41600	Instrumentation	3,940	-	3,500	5,100	1,160	29.44%
41650	Fuel & Lubricants	3,000	993	1,986	3,600	600	20.00%
41700	General Other Maintenance	58,550	27,506	55,012	70,000	11,450	19.56%
Subtotal		\$ 109,440	\$ 70,707	\$ 132,398	\$ 121,450	\$ 12,010	10.97%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 500	\$ -	\$ -	\$ 500	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	
81250	Equipment (over \$5000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	2,100	1,050	2,100	2,600	500	23.81%
Subtotal		\$ 2,600	\$ 1,050	\$ 2,100	\$ 3,100	\$ 500	19.23%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 16,520	\$ 8,076	\$ 15,740	\$ 16,241	\$ (279)	-1.69%
95300	Engineering Allocation	16,148	8,794	17,691	22,786	6,638	41.11%
95150	Maintenance Allocation	45,110	23,334	46,355	47,077	1,967	4.36%
95200	Laboratory Allocation	5,305	2,592	5,378	5,480	175	3.30%
Subtotal		\$ 83,083	\$ 42,796	\$ 85,164	\$ 91,584	\$ 8,501	10.23%
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	
Depreciation		3,000	1,500	3,000	5,000	2,000	66.67%
Subtotal		\$ 3,000	\$ 1,500	\$ 3,000	\$ 5,000	\$ 2,000	66.67%
Total		\$ 318,914	\$ 181,134	\$ 352,153	\$ 352,648	\$ 33,734	10.58%

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Scottsville Wastewater Summary

	FY 2017			FY 2018	Budget % Change
	Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	
Projected Flow (MGD)	0.055			0.058	

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$		\$	\$	\$	
Revenue	21,173		23,724			12.05%
Interest Allocation	254,076	\$ 127,038	254,076	\$ 284,688		12.05%
	100	120	240	300		200.00%
Total Operations Revenues	\$ 254,176	\$ 127,158	\$ 254,316	\$ 284,988		12.12%

Projected Expenses

Personnel Cost	\$ 83,741	\$ 45,051	\$ 89,738	\$ 90,849		8.49%
Professional Services	-	-	-	2,000		
Other Services and Charges	22,700	10,534	21,410	22,900		0.88%
Communications	2,600	1,987	3,572	2,630		1.15%
Information Technology	1,800	1,884	3,768	4,400		144.44%
Supplies	100	-	-	100		0.00%
Operations and Maintenance	47,990	21,585	43,170	57,850		20.55%
Equipment Purchases	2,600	1,917	3,834	3,400		30.77%
Depreciation	16,000	8,000	16,000	16,000		0.00%
Subtotal before allocations	\$ 177,531	\$ 90,958	\$ 181,492	\$ 200,129		12.73%
Allocations of Support Depts.	76,639	39,463	78,542	84,859		10.73%
Total Operations Expenses	\$ 254,170	\$ 130,421	\$ 260,034	\$ 284,988		12.12%

Operations Cost per 1000 gallons \$12.661 \$13.462 106.33%

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)	\$		\$		
Debt Service Rate Revenue - ACSA	768		686	-10.68%	
Trust Fund Interest	9,211	\$ 4,608	9,216	\$ 8,233	-10.62%
Reserve Fund Interest	500	16	32	-	-100.00%
	100	239	478	400	300.00%
Total Debt Service Revenue	\$ 9,811	\$ 4,863	\$ 9,726	\$ 8,633	-12.01%

Principal, Interest & Reserves

Total Principal & Interest	\$ 9,711	\$ 4,856	\$ 9,712	\$ 8,233	-15.22%
Estimated New Principal & Interest	-	-	-	-	
Reserve Additions-Interest	100	239	478	400	300.00%
Total Debt Principal and Interest	\$ 9,811	\$ 5,095	\$ 10,190	\$ 8,633	-12.01%

Rate Center Summary

Total Revenues	\$ 263,987	\$ 132,021	\$ 264,042	\$ 293,621	11.23%
Total Expenses	263,981	135,516	270,224	293,621	11.23%
Surplus/ (Deficit)	\$ 6	\$ (3,495)	\$ (6,182)	\$ -	
Rates (Monthly)					
ACSA	\$ 21,941			\$ 24,410	11.25%

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		2018 Variance \$	2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 56,932	\$ 29,677	\$ 59,354	\$ 60,422	\$ 3,490	6.13%
11010	Overtime & Holiday Pay	3,500	3,079	6,158	4,000	500	14.29%
12010	FICA	4,623	2,377	4,754	4,928	305	6.60%
12020	Health Insurance	10,181	5,088	10,176	12,324	2,143	21.05%
12026	Employee Assistance Program	17	8	16	15	(2)	-11.76%
12030	Retirement	5,477	2,585	5,170	5,813	336	6.13%
12040	Life Insurance	746	343	686	792	46	6.17%
12050	Fitness Program	65	47	94	100	35	53.85%
12060	Worker's Comp Insurance	750	546	728	600	(150)	-20.00%
Subtotal		\$ 82,291	\$ 43,750	\$ 87,136	\$ 88,994	\$ 6,703	8.15%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 300	\$ 111	\$ 222	\$ 230	\$ (70)	-23.33%
13150	Education & Training	400	710	1,420	490	90	22.50%
13200	Travel & Lodging	250	58	116	375	125	50.00%
13250	Uniforms	400	343	686	600	200	50.00%
13325	Recruiting & Medical Testing	-	34	68	100	100	
13350	Other	100	45	90	60	(40)	-40.00%
Subtotal		\$ 1,450	\$ 1,301	\$ 2,602	\$ 1,855	\$ 405	27.93%
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.	\$ 800	\$ 658	\$ 658	\$ 700	\$ (100)	-12.50%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	300	181	362	400	100	33.33%
21300	Authority Dues/Permits/Fees	2,600	2,707	5,414	2,800	200	7.69%
21350	Laboratory Analysis	4,000	-	1,000	4,000	-	0.00%
21400	Utilities	15,000	6,987	13,974	15,000	-	0.00%
21420	General Other Services	-	1	2	-	-	
21430	Governance Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
Subtotal		\$ 22,700	\$ 10,534	\$ 21,410	\$ 22,900	\$ 200	0.88%
Communication							
22000	Radio	\$ 400	\$ 402	\$ 402	\$ 430	\$ 30	7.50%
22150	Telephone & Data Service	1,700	1,358	2,716	1,700	-	0.00%
22200	Cell Phones & Pagers	500	227	454	500	-	0.00%
Subtotal		\$ 2,600	\$ 1,987	\$ 3,572	\$ 2,630	\$ 30	1.15%
Information Technology							
31000	Computer Hardware	\$ 700	\$ -	\$ -	\$ 700	\$ -	0.00%
31150	SCADA Maint. & Support	850	1,884	3,768	3,500	2,650	311.76%
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software Purchases	250	-	-	200	(50)	-20.00%
Subtotal		\$ 1,800	\$ 1,884	\$ 3,768	\$ 4,400	\$ 2,600	144.44%
Supplies							
33000	Office Supplies	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
Subtotal		\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 6,000	\$ 882	\$ 1,764	\$ 4,800	\$ (1,200)	-20.00%
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	10,500	1,279	2,558	10,500	-	0.00%
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%
41400	Materials & Supplies	1,500	8	16	1,500	-	0.00%
41450	Chemicals	5,300	1,132	2,264	4,000	(1,300)	-24.53%

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41500	Vehicle Maintenance	750	633	1,266	750	-	0.00%
41550	Equipment Maint. & Repair	8,000	10,339	20,678	16,000	8,000	100.00%
41600	Instrumentation	6,220	2,983	5,966	10,000	3,780	60.77%
41650	Fuel & Lubricants	220	388	776	800	580	263.64%
41700	General Other Maintenance	9,000	3,941	7,882	9,000	-	0.00%
<i>Subtotal</i>		\$ 47,990	\$ 21,585	\$ 43,170	\$ 57,850	\$ 9,860	20.55%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 500	\$ -	\$ -	\$ 500	\$ -	0.00%
81200	Rental & Leases	-	867	1,734	300	300	
81250	Equipment (over \$5000)	-	-	-	-	-	
81300	Vehicle Replacement Fund	2,100	1,050	2,100	2,600	500	23.81%
<i>Subtotal</i>		\$ 2,600	\$ 1,917	\$ 3,834	\$ 3,400	\$ 800	30.77%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 16,520	\$ 8,076	\$ 15,740	\$ 16,241	\$ (279)	-1.69%
95300	Engineering Allocation	16,148	8,794	17,691	22,786	6,638	41.11%
95150	Maintenance Allocation	38,666	20,001	39,733	40,352	1,686	4.36%
95200	Laboratory Allocation	5,305	2,592	5,378	5,480	175	3.30%
<i>Subtotal</i>		\$ 76,639	\$ 39,463	\$ 78,542	\$ 84,859	\$ 8,220	10.73%
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	
Depreciation		16,000	8,000	16,000	16,000	-	0.00%
<i>Subtotal</i>		\$ 16,000	\$ 8,000	\$ 16,000	\$ 16,000	\$ -	0.00%
Total		\$ 254,170	\$ 130,421	\$ 260,034	\$ 284,988	\$ 30,818	12.12%

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Support Departments

Fiscal Year 2017-2018

Rivanna Water and Sewer Authority

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Administration

FY 2017			FY 2018		Budget % Change
Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget		

Operations Budget

Projected Revenues & Sources

Payment for Services SWA	\$ 328,000	\$ 164,000	\$ 328,000	\$ 409,000	24.70%
Bond Proceeds Used for Closing Costs	-	-	80,000	-	
Miscellaneous Revenue	1,000	29,056	53,056	1,000	0.00%
Total Operations Revenues	\$ 329,000	\$ 193,056	\$ 461,056	\$ 410,000	24.62%

Projected Expenses

Personnel Cost	\$ 1,503,824	\$ 667,614	\$ 1,454,565	\$ 1,544,127	2.68%
Professional Services	190,000	204,837	298,648	171,900	-9.53%
Other Services and Charges	114,280	35,016	72,807	111,940	-2.05%
Communications	18,510	12,327	23,449	21,280	14.96%
Information Technology	96,700	39,751	98,502	118,000	22.03%
Supplies	20,900	12,517	29,976	22,000	5.26%
Operations and Maintenance	30,500	25,429	50,858	36,600	20.00%
Equipment Purchases	6,250	3,125	6,250	8,300	32.80%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,980,964	\$ 1,000,616	\$ 2,035,055	\$ 2,034,147	2.68%

Department Summary						
Total Revenues		\$ 329,000	\$ 193,056	\$ 461,056	\$ 410,000	24.62%
Total Expenses		1,980,964	1,000,616	2,035,055	2,034,147	2.68%
Net Costs Allocable to Rate Centers		\$ (1,651,964)	\$ (807,560)	\$ (1,573,999)	\$ (1,624,147)	-1.68%
Allocations to the Rate Centers						
Urban Water	44.00%	\$ 726,864	\$ 355,326	\$ 692,560	\$ 714,625	
Crozet Water	4.00%	66,079	32,302	62,960	64,966	
Scottsville Water	2.00%	33,039	16,151	31,480	32,483	
Urban Wastewater	48.00%	792,943	387,629	755,520	779,591	
Glenmore Wastewater	1.00%	16,520	8,076	15,740	16,241	
Scottsville Wastewater	1.00%	16,520	8,076	15,740	16,241	
	100.00%	\$ 1,651,965	\$ 807,560	\$ 1,574,000	\$ 1,624,147	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Administration

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 1,121,020	\$ 505,660	\$ 1,116,320	\$ 1,126,390	\$ 5,370	0.48%
11010	Overtime & Holiday Pay	700	360	720	800	100	14.29%
12010	FICA	85,812	34,204	68,408	86,230	418	0.49%
12020	Health Insurance	136,440	65,838	131,676	165,292	28,852	21.15%
12026	Employee Assistance Program	250	100	200	200	(50)	-20.00%
12030	Retirement	109,317	43,602	92,204	108,359	(958)	-0.88%
12040	Life Insurance	14,685	5,770	11,540	14,756	71	0.48%
12050	Fitness Program	2,500	1,384	2,768	2,800	300	12.00%
12060	Worker's Comp Insurance	600	1,766	2,355	4,300	3,700	616.67%
	Subtotal	\$ 1,471,324	\$ 658,684	\$ 1,426,191	\$ 1,509,127	\$ 37,803	2.57%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 3,000	\$ 705	\$ 1,410	\$ 2,500	\$ (500)	-16.67%
13150	Education & Training	14,000	2,077	15,000	17,000	3,000	21.43%
13200	Travel & Lodging	4,500	1,210	2,420	6,200	1,700	37.78%
13250	Uniforms	500	572	1,144	800	300	60.00%
13325	Recruiting & Medical Testing	2,500	208	500	1,000	(1,500)	-60.00%
13350	Other	8,000	4,158	7,900	7,500	(500)	-6.25%
	Subtotal	\$ 32,500	\$ 8,930	\$ 28,374	\$ 35,000	\$ 2,500	7.69%
Professional Services							
20100	Legal Fees	\$ 75,000	\$ 27,824	\$ 55,648	\$ 60,000	\$ (15,000)	-20.00%
20200	Financial & Admin. Services	85,000	32,151	95,000	111,900	26,900	31.65%
20250	Bond Issue Costs	-	124,943	120,000	-	-	0.00%
20300	Engineering & Technical Services	30,000	19,919	28,000	-	(30,000)	0.00%
	Subtotal	\$ 190,000	\$ 204,837	\$ 298,648	\$ 171,900	\$ (18,100)	-9.53%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 16,400	\$ 10,143	\$ 10,143	\$ 12,600	\$ (3,800)	-23.17%
21150	Advertising & Communication	12,000	3,009	15,000	15,000	3,000	25.00%
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	12,000	32	4,000	5,000	(7,000)	-58.33%
21300	Authority Dues/Permits/Fees	32,500	17,714	35,428	33,250	750	2.31%
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	880	453	906	890	10	1.14%
21420	General Other Services	2,500	935	1,870	2,200	(300)	-12.00%
21430	Governance Support	38,000	2,730	5,460	38,000	-	0.00%
21450	Bad Debt	-	-	-	5,000	5,000	-
	Subtotal	\$ 114,280	\$ 35,016	\$ 72,807	\$ 111,940	\$ (2,340)	-2.05%
Communication							
22000	Radio	\$ 1,210	\$ 1,205	\$ 1,205	\$ 1,280	\$ 70	5.79%
22150	Telephone & Data Service	13,500	8,337	16,674	14,000	500	3.70%
22200	Cell Phones & Pagers	3,800	2,785	5,570	6,000	2,200	57.89%
	Subtotal	\$ 18,510	\$ 12,327	\$ 23,449	\$ 21,280	\$ 2,770	14.96%
Information Technology							
31000	Computer Hardware	\$ 22,000	\$ 5,661	\$ 20,322	\$ 22,000	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	25,000	25,000	-
31200	Maintenance & Support Services	61,700	32,649	65,298	58,000	(3,700)	-6.00%
31250	Software Purchases	13,000	1,441	12,882	13,000	-	0.00%
	Subtotal	\$ 96,700	\$ 39,751	\$ 98,502	\$ 118,000	\$ 21,300	22.03%
Supplies							
33000	Office Supplies	\$ 12,500	\$ 11,535	\$ 23,070	\$ 15,000	\$ 2,500	20.00%
33150	Subscriptions/Reference Material	1,400	453	906	1,000	(400)	-28.57%
33350	Postage & Delivery	7,000	529	6,000	6,000	(1,000)	-14.29%
	Subtotal	\$ 20,900	\$ 12,517	\$ 29,976	\$ 22,000	\$ 1,100	5.26%
Operation & Maintenance							
41000	Building & Grounds	\$ 27,000	\$ 21,408	\$ 42,816	\$ 30,500	\$ 3,500	12.96%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials & Supplies	800	31	62	400	(400)	-50.00%
41450	Chemicals	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Administration

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41500	Vehicle Maintenance	1,200	2,694	5,388	3,000	1,800	150.00%
41550	Equipment Maint. & Repair	-	-	-	-	-	-
41600	Instrumentation	-	-	-	-	-	-
41650	Fuel & Lubricants	1,500	1,296	2,592	2,700	1,200	80.00%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 30,500	\$ 25,429	\$ 50,858	\$ 36,600	\$ 6,100	20.00%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ -	\$ -	\$ -	\$ -	\$ -	-
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	6,250	3,125	6,250	8,300	2,050	32.80%
Subtotal		\$ 6,250	\$ 3,125	\$ 6,250	\$ 8,300	\$ 2,050	32.80%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,980,964	\$ 1,000,616	\$ 2,035,055	\$ 2,034,147	\$ 53,183	2.68%

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Maintenance

FY 2017			FY 2018		Budget % Change
Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget		

Operations Budget

Projected Revenues

Miscellaneous Revenue	\$	-	\$	572	\$	1,144	\$	-
<hr/>								
Total Operations Revenues	\$	-	\$	572	\$	1,144	\$	-

Projected Expenses

Personnel Cost	\$	1,094,843	\$	567,642	\$	1,134,841	\$	1,150,821	5.11%
Professional Services		-		-		-		-	
Other Services and Charges		13,800		11,064		14,498		12,300	-10.87%
Communications		15,230		9,997		500		15,635	2.66%
Information Technology		6,000		3,360		4,630		6,500	8.33%
Supplies		500		268		536		500	0.00%
Operations and Maintenance		64,830		31,020		73,752		64,450	-0.59%
Equipment Purchases		93,650		43,905		96,810		94,850	1.28%
Depreciation		-		-		-		-	
Total Operations Expenses	\$	1,288,853	\$	667,256	\$	1,325,567	\$	1,345,056	4.36%



Department Summary									
Total Revenues		\$	-	\$	572	\$	1,144	\$	-
Total Expenses			1,288,853		667,256		1,325,567		1,345,056
<hr/>									
Net Costs Allocable to Rate Centers		\$	(1,288,853)	\$	(666,684)	\$	(1,324,423)	\$	(1,345,056)
<hr/>									
Allocations to the Rate Centers									
Urban Water	30.00%	\$	386,656	\$	200,005	\$	397,327	\$	403,517
Crozet Water	3.50%		45,110		23,334		46,355		47,077
Scottsville Water	3.50%		45,110		23,334		46,355		47,077
			-		-		-		-
Urban Wastewater	56.50%		728,202		376,676		748,299		759,957
Glenmore Wastewater	3.50%		45,110		23,334		46,355		47,077
Scottsville Wastewater	3.00%		38,666		20,001		39,733		40,352
	100.00%	\$	1,288,854	\$	666,684	\$	1,324,424	\$	1,345,057

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Maintenance

2017	2017
vs.	vs.
2018	2018
Variance	Variance
\$	%

Object Code	Line Item	Current Year Activity				Adopted Budget FY 2017-2018	2017 vs. 2018 Variance \$	2017 vs. 2018 Variance %
		Adopted Budget FY 2016-2017	Six Month Actual 12/31/2016	Projected Year end 6/30/2017				
Salaries & Benefits								
10000	Salaries	\$ 766,204	\$ 403,549	\$ 807,098	\$ 787,559	\$ 21,355	2.79%	
11000	Overtime & Holiday Pay	5,000	436	872	5,000	-	0.00%	
12010	FICA	58,997	28,777	57,554	60,631	1,634	2.77%	
12020	Health Insurance	145,536	74,710	149,420	176,311	30,775	21.15%	
12026	Employee Assistance Program	270	122	244	250	(20)	-7.41%	
12030	Retirement	74,609	35,776	71,552	75,763	1,154	1.55%	
12040	Life Insurance	10,037	4,804	9,608	10,317	280	2.79%	
12050	Fitness Program	100	173	346	400	300	300.00%	
12060	Worker's Comp Insurance	14,300	10,415	13,887	14,300	-	0.00%	
Subtotal		\$ 1,075,053	\$ 558,762	\$ 1,110,581	\$ 1,130,531	\$ 55,478	5.16%	
Other Personnel Costs								
13000	Employee Dues & Licenses	\$ -	\$ 252	\$ 504	\$ -	\$ -	-	
13100	Education & Training	6,000	-	6,000	6,000	-	0.00%	
13200	Travel & Lodging	-	-	500	500	500	-	
13250	Uniforms	13,790	8,024	16,048	13,790	-	0.00%	
13325	Recruiting & Medical Testing	-	239	478	-	-	-	
13350	Other	-	365	730	-	-	-	
Subtotal		\$ 19,790	\$ 8,880	\$ 24,260	\$ 20,290	\$ 500	2.53%	
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.	\$ 9,800	\$ 7,630	\$ 7,630	\$ 7,300	\$ (2,500)	-25.51%	
21150	Advertising & Communication	-	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	-	
21253	Safety Programs/Supplies	2,500	2,747	5,494	2,500	-	0.00%	
21300	Authority Dues/Permits/Fees	-	-	-	-	-	-	
21350	Laboratory Analysis	-	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	-	
21420	General Other Services	1,500	687	1,374	2,500	1,000	66.67%	
21430	Governance Support	-	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	-	
Subtotal		\$ 13,800	\$ 11,064	\$ 14,498	\$ 12,300	\$ (1,500)	-10.87%	
Communication								
22000	Radio	\$ 6,430	\$ 6,424	\$ 12,848	\$ 6,810	\$ 380	5.91%	
22150	Telephone & Data Service	800	403	806	825	25	3.13%	
22200	Cell Phones & Pagers	8,000	3,170	6,340	8,000	-	0.00%	
Subtotal		\$ 15,230	\$ 9,997	\$ 19,994	\$ 15,635	\$ 405	2.66%	
Information Technology								
31000	Computer Hardware	\$ 2,000	\$ 675	\$ 1,350	\$ 2,000	\$ -	0.00%	
31150	SCADA Maint. & Support	-	-	-	-	-	-	
31200	Maintenance & Support Services	2,000	2,295	2,500	2,500	500	25.00%	
31250	Software Purchases	2,000	390	780	2,000	-	0.00%	
Subtotal		\$ 6,000	\$ 3,360	\$ 4,630	\$ 6,500	\$ 500	8.33%	
Supplies								
33000	Office Supplies	\$ 500	\$ 268	\$ 536	\$ 500	\$ -	0.00%	
33150	Subscriptions/Reference Material	-	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	-	
Subtotal		\$ 500	\$ 268	\$ 536	\$ 500	\$ -	0.00%	
Operation & Maintenance								
41000	Building & Grounds	\$ 9,030	\$ 7,361	\$ 14,722	\$ 9,300	\$ 270	2.99%	
41150	Building & Land Lease	-	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	-	
41350	Pipeline/Appurtenances	2,500	417	834	2,500	-	0.00%	
41400	Materials & Supplies	8,000	5,695	11,390	8,000	-	0.00%	
41450	Chemicals	-	-	-	-	-	-	
41500	Vehicle Maintenance	11,800	9,895	19,790	11,150	(650)	-5.51%	
41550	Equipment Maint. & Repair	13,500	894	13,500	13,500	-	0.00%	
41600	Instrumentation	1,500	888	1,776	1,500	-	0.00%	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Maintenance

2017	2017
vs.	vs.
2018	2018
Variance	Variance
\$	%

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017 vs. 2018	
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		Variance \$	Variance %
41650	Fuel & Lubricants	18,500	5,870	11,740	18,500	-	0.00%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 64,830	\$ 31,020	\$ 73,752	\$ 64,450	\$ (380)	-0.59%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 12,850	\$ 8,755	\$ 17,510	\$ 12,850	\$ -	0.00%
81200	Rental & Leases	1,000	150	300	1,000	-	0.00%
81250	Equipment (over \$5000)	9,800	-	9,000	9,000	(800)	-8.16%
81300	Vehicle Replacement Fund	70,000	35,000	70,000	72,000	2,000	2.86%
Subtotal		\$ 93,650	\$ 43,905	\$ 96,810	\$ 94,850	\$ 1,200	1.28%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,288,853	\$ 667,256	\$ 1,345,061	\$ 1,345,056	\$ 56,203	4.36%

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Laboratory Summary

FY 2017			FY 2018		Budget % Change
Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget		

Operations Budget

Projected Revenues
 N/A

Projected Expenses

Personnel Cost	\$ 263,840	\$ 142,845	\$ 273,738	\$ 293,948	11.41%
Professional Services	-	-	-	-	
Other Services and Charges	9,230	3,461	10,802	10,412	12.81%
Communications	-	250	-	600	
Information Technology	2,475	97	1,694	2,200	-11.11%
Supplies	1,100	603	1,206	1,650	50.00%
Operations and Maintenance	55,500	25,552	51,104	55,000	-0.90%
Equipment Purchases	21,500	-	20,000	1,500	-93.02%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 353,645	\$ 172,808	\$ 358,544	\$ 365,310	3.30%



Department Summary					
Total Revenues		\$ -	\$ -	\$ -	\$ -
Total Expenses		353,645	172,808	358,544	365,310
Net Costs Allocable to Rate Centers		\$ (353,645)	\$ (172,808)	\$ (358,544)	\$ (365,310)
<u>Allocations to the Rate Centers</u>					
Urban Water	44.00%	\$ 155,604	\$ 76,036	\$ 157,759	\$ 160,736
Crozet Water	4.00%	14,146	6,912	14,342	14,612
Scottsville Water	2.00%	7,073	3,456	7,171	7,306
		-	-	-	-
Urban Wastewater	47.00%	166,213	81,220	168,516	171,696
Glenmore Wastewater	1.50%	5,305	2,592	5,378	5,480
Scottsville Wastewater	1.50%	5,305	2,592	5,378	5,480
	100.00%	\$ 353,646	\$ 172,808	\$ 358,544	\$ 365,310

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 193,257	\$ 103,313	\$ 196,325	\$ 208,684	\$ 15,427	7.98%
11000	Salaries						
11010	Overtime & Holiday Pay	500	4,417	8,834	5,000	4,500	900.00%
12010	FICA	14,822	7,779	15,558	16,347	1,525	10.29%
12020	Health Insurance	27,288	13,017	26,034	33,058	5,770	21.14%
12026	Employee Assistance Program	50	24	48	50	-	0.00%
12030	Retirement	18,591	9,280	18,560	20,075	1,484	7.98%
12040	Life Insurance	2,532	1,239	2,478	2,734	202	7.98%
12050	Fitness Program	-	260	520	500	500	
12060	Worker's Comp Insurance	3,400	2,476	3,301	3,600	200	5.88%
	Subtotal	\$ 260,440	\$ 141,805	\$ 271,658	\$ 290,048	\$ 29,608	11.37%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 500	\$ 165	\$ 330	\$ 500	\$ -	0.00%
13150	Education & Training	1,500	100	200	1,500	-	0.00%
13200	Travel & Lodging	500	-	-	500	-	0.00%
13250	Uniforms	500	673	1,346	1,000	500	100.00%
13325	Recruiting & Medical Testing	-	-	-	-	-	0.00%
13350	Other	400	102	204	400	-	0.00%
	Subtotal	\$ 3,400	\$ 1,040	\$ 2,080	\$ 3,900	\$ 500	14.71%
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.	\$ 230	\$ 120	\$ 120	\$ 500	\$ 270	117.39%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	-	-	-	662	662	
21300	Authority Dues/Permits/Fees	4,000	-	4,000	3,000	(1,000)	-25.00%
21350	Laboratory Analysis	500	1,162	2,324	750	250	50.00%
21400	Utilities	4,000	2,179	4,358	5,000	1,000	25.00%
21420	General Other Services	500	-	-	500	-	0.00%
21430	Governance Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 9,230	\$ 3,461	\$ 10,802	\$ 10,412	\$ 1,182	12.81%
Communication							
22000	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	
22100	Radio	-	-	-	-	-	
22150	Telephone & Data Service	-	-	-	-	-	
22200	Cell Phones & Pagers	-	250	500	600	600	
	Subtotal	\$ -	\$ 250	\$ 500	\$ 600	\$ 600	
Information Technology							
31000	Computer Hardware	\$ 1,500	\$ -	\$ 1,500	\$ 1,200	\$ (300)	-20.00%
31100	Computer Hardware						
31150	SCADA Maint. & Support	-	-	-	-	-	
31200	Maintenance & Support Services	800	-	-	800	-	0.00%
31250	Software Purchases	175	97	194	200	25	14.29%
	Subtotal	\$ 2,475	\$ 97	\$ 1,694	\$ 2,200	\$ (275)	-11.11%
Supplies							
33000	Office Supplies	\$ 500	\$ 526	\$ 1,052	\$ 1,500	\$ 1,000	200.00%
33100	Office Supplies						
33150	Subscriptions/Reference Material	500	-	-	-	(500)	-100.00%
33350	Postage & Delivery	100	77	154	150	50	50.00%
	Subtotal	\$ 1,100	\$ 603	\$ 1,206	\$ 1,650	\$ 550	50.00%
Operation & Maintenance							
41000	Building & Grounds	\$ -	\$ -	\$ -	\$ -	\$ -	
41100	Building & Grounds						
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials & Supplies	30,000	17,922	35,844	30,000	-	0.00%
41450	Chemicals	10,000	6,878	13,756	15,000	5,000	50.00%
41500	Vehicle Maintenance	-	-	-	-	-	-
41550	Equipment Maint. & Repair	15,000	752	1,504	10,000	(5,000)	-33.33%
41600	Instrumentation	500	-	-	-	(500)	-100.00%
41650	Fuel & Lubricants	-	-	-	-	-	-
41700	General Other Maintenance	-	-	-	-	-	-
<i>Subtotal</i>		\$ 55,500	\$ 25,552	\$ 51,104	\$ 55,000	\$ (500)	-0.90%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 1,500	\$ -	\$ -	\$ 500	\$ (1,000)	-66.67%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	20,000	-	20,000	-	(20,000)	-100.00%
81300	Vehicle Replacement Fund	-	-	-	1,000	1,000	-
<i>Subtotal</i>		\$ 21,500	\$ -	\$ 20,000	\$ 1,500	\$ (20,000)	-93.02%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 353,645	\$ 172,808	\$ 359,044	\$ 365,310	\$ 11,665	3.30%

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Engineering Summary

FY 2017			FY 2018	Budget % Change
Budgeted FY 2017	Actual for 6 months	Projected 12 months	Adopted Budget	

Operations Budget

Projected Revenues
 N/A

Projected Expenses

Personnel Cost	\$ 910,734	\$ 475,301	\$ 945,261	\$ 1,168,295	28.28%
Professional Services	9,000	29,238	58,476	144,000	1500.00%
Other Services and Charges	41,550	21,256	41,052	45,150	8.66%
Communications	11,220	7,358	14,716	17,300	54.19%
Information Technology	38,000	22,566	52,132	46,000	21.05%
Supplies	10,000	1,264	9,114	9,500	-5.00%
Operations and Maintenance	33,500	19,058	38,116	64,940	93.85%
Equipment Purchases	22,500	10,254	20,508	23,850	6.00%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,076,504	\$ 586,295	\$ 1,179,375	\$ 1,519,035	41.11%



Department Summary						
Total Revenues		\$ -	\$ -	\$ -	\$ -	
Total Expenses		1,076,504	586,295	1,179,375	1,519,035	41.11%
Net Costs Allocable to Rate Centers		\$ (1,076,504)	\$ (586,295)	\$ (1,179,375)	\$ (1,519,035)	
<u>Allocations to the Rate Centers</u>						
Urban Water	47.00%	\$ 505,957	\$ 275,559	\$ 554,306	\$ 713,946	
Crozet Water	4.00%	43,060	23,452	47,175	60,761	
Scottsville Water	2.00%	21,530	11,726	23,588	30,381	
Urban Wastewater	44.00%	473,662	257,970	518,925	668,375	
Glenmore Wastewater	1.50%	16,148	8,794	17,691	22,786	
Scottsville Wastewater	1.50%	16,148	8,794	17,691	22,786	
	100.00%	\$ 1,076,505	\$ 586,295	\$ 1,179,376	\$ 1,519,035	

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
Salaries & Benefits							
10000	Salaries	\$ 673,321	\$ 365,399	\$ 730,798	\$ 834,815	\$ 161,494	23.98%
11010	Overtime & Holiday Pay	4,000	3,749	7,498	6,000	2,000	50.00%
12010	FICA	51,815	27,719	55,438	64,322	12,507	24.14%
12020	Health Insurance	81,864	30,550	61,100	132,233	50,369	61.53%
12026	Employee Assistance Program	140	67	134	140	-	0.00%
12030	Retirement	65,573	31,644	63,288	80,309	14,736	22.47%
12040	Life Insurance	8,821	4,217	8,434	10,936	2,115	23.98%
12050	Fitness Program	2,000	1,038	2,076	2,000	-	0.00%
12060	Worker's Comp Insurance	11,000	8,012	10,683	15,740	4,740	43.09%
Subtotal		\$ 898,534	\$ 472,395	\$ 939,449	\$ 1,146,495	\$ 247,961	27.60%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 1,200	\$ 1,124	\$ 2,248	\$ 1,800	\$ 600	50.00%
13150	Education & Training	3,500	-	-	7,500	4,000	114.29%
13200	Travel & Lodging	3,500	567	1,134	7,500	4,000	114.29%
13250	Uniforms	2,500	622	1,244	3,500	1,000	40.00%
13325	Recruiting & Medical Testing	500	159	318	500	-	0.00%
13350	Other	1,000	434	868	1,000	-	0.00%
Subtotal		\$ 12,200	\$ 2,906	\$ 5,812	\$ 21,800	\$ 9,600	78.69%
Professional Services							
20100	Legal Fees	\$ 5,000	\$ 25,742	\$ 51,484	\$ 25,000	\$ 20,000	400.00%
20200	Financial & Admin. Services	4,000	3,496	6,992	4,000	-	0.00%
20250	Bond Issue Costs	-	-	-	-	-	-
20300	Engineering & Technical Services	-	-	-	115,000	115,000	1500.00%
Subtotal		\$ 9,000	\$ 29,238	\$ 58,476	\$ 144,000	\$ 135,000	1500.00%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 5,300	\$ 4,096	\$ 4,096	\$ 4,900	\$ (400)	-7.55%
21150	Advertising & Communication	200	-	-	200	-	0.00%
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	2,000	184	3,368	4,000	2,000	100.00%
21300	Authority Dues/Permits/Fees	1,500	-	-	1,500	-	0.00%
21350	Laboratory Analysis	250	-	-	250	-	0.00%
21400	Utilities	300	154	308	300	-	0.00%
21420	General Other Services	32,000	16,682	33,000	34,000	2,000	6.25%
21430	Governance Support	-	140	280	-	-	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 41,550	\$ 21,256	\$ 41,052	\$ 45,150	\$ 3,600	8.66%
Communication							
22000	Radio	\$ 4,420	\$ 4,418	\$ 8,836	\$ 8,000	\$ 3,580	81.00%
22150	Telephone & Data Service	1,300	743	1,486	1,500	200	15.38%
22200	Cell Phones & Pagers	5,500	2,197	4,394	7,800	2,300	41.82%
Subtotal		\$ 11,220	\$ 7,358	\$ 14,716	\$ 17,300	\$ 6,080	54.19%
Information Technology							
31000	Computer Hardware	\$ 7,000	\$ -	\$ 7,000	\$ 9,000	\$ 2,000	28.57%
31150	SCADA Maint. & Support	-	-	-	-	-	-
31200	Maintenance & Support Services	28,000	21,884	43,768	34,000	6,000	21.43%
31250	Software Purchases	3,000	682	1,364	3,000	-	0.00%
Subtotal		\$ 38,000	\$ 22,566	\$ 52,132	\$ 46,000	\$ 8,000	21.05%
Supplies							
33000	Office Supplies	\$ 5,000	\$ 957	\$ 5,000	\$ 5,000	\$ -	0.00%
33150	Subscriptions/Reference Material	4,000	-	3,500	4,000	-	0.00%
33350	Postage & Delivery	1,000	307	614	500	(500)	-50.00%
Subtotal		\$ 10,000	\$ 1,264	\$ 9,114	\$ 9,500	\$ (500)	-5.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 7,500	\$ 7,816	\$ 15,632	\$ 33,940	\$ 26,440	352.53%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	10,000	4,994	9,988	15,000	5,000	50.00%
41400	Materials & Supplies	4,000	1,052	2,104	4,000	-	0.00%
41450	Chemicals	-	-	-	-	-	-

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41500	Vehicle Maintenance	6,000	2,203	4,406	6,000	-	0.00%
41550	Equipment Maint. & Repair	1,000	1,202	2,404	1,000	-	0.00%
41600	Instrumentation	-	-	-	-	-	-
41650	Fuel & Lubricants	5,000	1,791	3,582	5,000	-	0.00%
41700	General Other Maintenance	-	-	-	-	-	-
<i>Subtotal</i>		\$ 33,500	\$ 19,058	\$ 38,116	\$ 64,940	\$ 31,440	93.85%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 2,500	\$ 254	\$ 508	\$ 2,500	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	20,000	10,000	20,000	21,350	1,350	6.75%
<i>Subtotal</i>		\$ 22,500	\$ 10,254	\$ 20,508	\$ 23,850	\$ 1,350	6.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
<i>Subtotal</i>		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,076,504	\$ 586,295	\$ 1,179,375	\$ 1,519,035	\$ 442,531	41.11%

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APPENDICES

Rivanna Water and Sewer Authority

Fiscal Year 2017-2018

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Flow Projections

		(1000 GALLONS)			(MILLION GALLONS PER DAY)		
		<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>	<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>
Water							
	Urban	3,432,018	3,432,018	0.00%	9.403	9.403	0.00%
	Crozet	182,610	190,066	4.08%	0.500	0.521	4.20%
	Scottsville	19,143	18,629	-2.69%	0.052	0.051	-1.92%
Total		<u>3,633,771</u>	<u>3,640,713</u>	<u>0.19%</u>	<u>9.9550</u>	<u>9.9750</u>	<u>0.20%</u>
Wastewater							
	Urban	3,424,639	3,424,639	0.00%	9.383	9.383	0.00%
	Glenmore	43,412	41,088	-5.35%	0.119	0.113	-5.04%
	Scottsville	19,967	21,335	6.85%	0.055	0.058	5.45%
Total		<u>3,488,018</u>	<u>3,487,062</u>	<u>-0.03%</u>	<u>9.5570</u>	<u>9.5540</u>	<u>-0.03%</u>

Allocation (Urban Area Only)		<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>
Water				
	City	52%	52%	0.00%
	ACSA	48%	48%	0.00%
Wastewater				
	City	52%	53%	1.92%
	ACSA	48%	47%	-2.08%

FY 2018 allocations are based on FY 2016 retail flows reported by the City and ACSA.

Allocation (Urban Area Only)		(1000 GALLONS)			(MILLION GALLONS PER DAY)		
		<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>	<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>
Water							
	City	1,784,649	1,784,649	0.00%	4.889	4.889	0.00%
	ACSA	1,647,369	1,647,369	0.00%	4.513	4.513	0.00%
		<u>3,432,018</u>	<u>3,432,018</u>				
Wastewater							
	City	1,780,812	1,815,059	1.92%	4.879	4.973	1.93%
	ACSA	1,643,827	1,609,580	-2.08%	4.504	4.410	-2.09%
		<u>3,424,639</u>	<u>3,424,639</u>				

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 2018	City %	City Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		203,845	52.00%	105,999	
14.20% of 2015B Bond - New Projects		240,531	52.00%	125,076	231,075
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(18,000)	52.00%	(9,360)	
Buck Mountain Surcharge		(84,000)	FIXED	(28,300)	
Lease Revenues		(1,600)	52.00%	(832)	(38,492)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,341,331	15.00%	201,200	
9.00% of 2015B Bond - Refunding		142,373	15.00%	21,356	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.40% of 2015B Bond - Refunding		749,832	48.00%	359,919	
77.80% of 2015B Bond - New Projects		1,317,840	48.00%	632,563	
<i>South Rivanna Expansion of 1999</i>					
10.30% of 2015B Bond - Refunding		162,938	0.00%	-	1,215,038
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		16,901	24.51%	4,142	4,142
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		66,539	52.00%	34,600	34,600
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Rate from 2016-2020 CIP		807,200	FIXED	338,100	338,100
Debt Service Coverage Ratio / Policy Charge		400,000	34.00%	136,000	136,000
Total Debt Service For Rate Computation		\$ 5,345,730		\$ 1,920,463	\$ 1,920,463

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2018	ACSA %	ACSA Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		203,845	48.00%	97,846	
14.20% of 2015B Bond - New Projects		240,531	48.00%	115,455	213,301
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(18,000)	48.00%	(8,640)	
Buck Mountain Surcharge		(84,000)	FIXED	(55,700)	
Lease Revenues		(1,600)	48.00%	(768)	(65,108)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
<i>Water Supply Expansion (15%/85%)</i>					
100% of 2012B Revenue Bond		1,341,331	85.00%	1,140,131	
9.00% of 2015B Bond - Refunding		142,373	85.00%	121,017	
<i>Non-Water Supply - Other Projects (48%/52%)</i>					
47.40% of 2015B Bond - Refunding		749,832	52.00%	389,913	
77.80% of 2015B Bond - New Projects		1,317,840	52.00%	685,277	
<i>South Rivanna Expansion of 1999</i>					
10.30% of 2015B Bond - Refunding		162,938	100.00%	162,938	2,499,276
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		16,901	75.49%	12,759	12,759
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		66,539	48.00%	31,939	31,939
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Rate from 2016-2020 CIP		807,200	FIXED	469,100	469,100
Debt Service Coverage Ratio / Policy Charge		400,000	66.00%	264,000	264,000
Total Debt Service For Rate Computation		\$ 5,345,730		\$ 3,425,267	\$ 3,425,267

SUMMARY OF DEBT SERVICE REVENUES:			
CITY SHARE OF TOTAL DEBT SERVICE	\$	1,920,463	36%
ACSA SHARE OF TOTAL DEBT SERVICE		3,425,267	64%
	\$	5,345,730	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 2018	FY 2017	City %	City Amount
ALLOCATION BASED ON FLOWS					
<i>System Projects Rate</i>					
	22.9% of 2015B Bond Refunding	362,261	362,293	53%	191,998
	100% 2005A Bond VRA/VRLF	159,339	159,339	53%	84,450
	88.5% of 2009A Bond VRA/VRLF	1,419,716	1,419,716	53%	752,449
	37.9% of 2011 A,B Bond VRA/RLF	192,130	205,219	53%	101,829
	30.6% of 2012A Bond (new money)	370,267	370,533	53%	196,242
	100% of 2016 Bond	626,347		53%	331,964
<i>Revenues/Reserves that offset Debt Service</i>					
	County MOU - Septage	(109,440)	(109,440)	53%	(58,003)
	Use of reserves for 2016 Bond DS	(600,000)	-	53%	(318,000)
	Trust Fund Interest	(26,200)	(26,800)	53%	(13,886)
ALLOCATION BASED ON FIXED AGREEMENTS					
<u>2014 Wastewater Agreement</u>					
<i>Meadowcreek</i>	97.9% of 2010A, and 13.6% of 2012A Bonds	1,107,265	1,170,954	Segments	920,214
<i>Wet Weather MCWWTP</i>	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	499,293	520,739	Segments	332,808
<i>Moore's Creek Pump Stn.</i>	100% of 2011 D/E Bond	296,944	317,130	Segments	190,926
<i>Rivanna Pump Stn. & F.M.</i>	7.2% of 2012A Bond & 100% of 2014A Bond	1,969,458	1,226,804	Segments	1,286,708
<i>Albemarle Berkley Pump Stn.</i>	4.2% of 2012A Bond	50,821	50,858	0%	-
<i>Crozet Interceptor</i>	2.9% of 2012A Bond	35,091	35,116	0%	-
<i>Schenks Branch Agreement</i>	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	332,417	298,632	100%	332,417
Four Party Rate					
<i>Regional System Projects</i>	19.6% of 2012A Refunding Bond	85,041	172,238	N/A	30,661
<i>Crozet Interceptor</i>	3.9% of 2012A Refunding Bond	16,945	34,319	N/A	6,109
<i>Facilities Purchase</i>	7.2% of 2012A Refunding Bond	31,037	62,860	N/A	11,190
					47,960
<i>Moore's Creek Relief IS, Pt 1</i>	1.6% of 2012A Refunding Bond	7,058	14,294	30%	2,117
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
	<i>CIP Growth Charge from 2016-2020 CIP</i>	233,900	486,000	Fixed	123,900
	<i>Debt Service Coverage Ratio / Policy Charge</i>	325,000	325,000	64%	208,000
Total		\$ 7,384,690	\$ 7,095,804		\$ 4,714,093
					\$ 4,714,093

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2018	ACSA %	ACSA Amount
ALLOCATION BASED ON FLOWS				
<i>System Projects Rate</i>				
	22.9% of 2015B Bond Refunding	362,261	47%	170,263
	100% 2005A Bond VRA/VRLF	159,339	47%	74,889
	88.5% of 2009A Bond VRA/VRLF	1,419,716	47%	667,267
	37.9% of 2011 A,B Bond VRA/RLF	192,130	47%	90,301
	30.6% of 2012A Bond (new money)	370,267	47%	174,025
	100% of 2016 Bond	626,347	47%	294,383
<i>Revenues that offset Debt Service</i>				
	County MOU - Septage	(109,440)	47%	(51,437)
	Use of reserves for 2016 Bond DS	(600,000)	47%	(282,000)
	Trust Fund Interest	(26,200)	47%	(12,314)
ALLOCATION BASED ON FIXED AGREEMENTS				
<u>2014 Wastewater Agreement</u>				
<i>Meadowcreek</i>	97.9% of 2010A, and 13.6% of 2012A Bonds	1,107,265	Segments	187,051
<i>Wet Weather MCWWTP</i>	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	499,293	Segments	166,484
<i>Moore's Creek Pump Stn.</i>	100% of 2011 D/E Bond	296,944	Segments	106,018
<i>Rivanna Pump Stn. & F.M.</i>	7.2% of 2012A Bond	1,969,458	Segments	682,750
<i>Albemarle Berkley Pump Stn.</i>	4.2% of 2012A Bond	50,821	100%	50,821
<i>Crozet Interceptor</i>	2.9% of 2012A Bond	35,091	100%	35,091
<i>Schenks Branch Agreement</i>	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	332,417	0%	-
Four Party Rate				
<i>Regional System Projects</i>	19.6% of 2012A Refunding Bond	85,041	N/A	54,380
<i>Crozet Interceptor</i>	3.9% of 2012A Refunding Bond	16,945	N/A	10,836
<i>Facilities Purchase</i>	7.2% of 2012A Refunding Bond	31,037	N/A	19,847
				85,063
<i>Moore's Creek Relief IS, Pt 1</i>	1.6% of 2012A Refunding Bond	7,058	70%	4,941
DEBT SERVICE PROJECTED FROM 5-YEAR CIP				
	<i>CIP Growth Charge from 2016-2020 CIP</i>	233,900	Fixed	110,000
	<i>Debt Service Coverage Ratio / Policy Charge</i>	325,000	36%	117,000
Total		\$ 7,384,690		\$ 2,670,596
				\$ 2,670,596

SUMMARY OF DEBT SERVICE REVENUES:			
CITY SHARE OF TOTAL DEBT SERVICE	\$	4,714,093	64%
ACSA SHARE OF TOTAL DEBT SERVICE		2,670,596	36%
	\$	7,384,689	100%

OTHER RATE CENTERS DEBT SERVICE RATES

Summary of Debt Service Payments Due

	FY 2018 Total Current Debt Service	FY 2017	Estimated New Debt Service	Total Annual Debt Service	ACSA Monthly Rate
<u>WATER</u>					
<u>Crozet Water</u>					
<i>Water Improvements</i>					
1.0% of 2012A Refunding Bond	\$ 4,272	\$ 8,652			
17.0% of 2012A Bond (new money)	205,704	205,852			
7.4% of 2015B Bond Refunding	117,062	117,073			
5.9% of 2015B Bond New Projects	99,939	99,884			
Estimated DS - CIP Growth in Rate			\$ 266,300		
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest	(1,800)	(1,800)			
	\$ 425,177	\$ 429,661	\$ 266,300	\$ 691,477	\$ 57,623
<u>Scottsville Water</u>					
<i>Solids Handling</i>					
0.2% of 2012A Refunding Bond	\$ 743	\$ 1,505			
4.2% of 2012A Bond (new money)	50,821	50,858			
2.7% of 2015B Bond Refunding	42,712	42,716			
2.1% of 2015B Bond New Projects	35,572	35,552			
Estimated DS - CIP Growth in Rate			-		
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest	(400)	(450)			
	\$ 129,448	\$ 130,181	\$ -	\$ 129,448	\$ 10,787
<u>WASTEWATER</u>					
<u>Glenmore Wastewater</u>					
<i>System upgrades</i>					
0.10% of 2015B Bond Refunding	\$ 1,582	\$ 1,582			
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest	-				
	1,582	1,582	-	\$ 1,582	\$ 132
<u>Scottsville Wastewater</u>					
<i>Facilities Purchase</i>					
0.3% of 2012A Refunding Bond	\$ 1,439	\$ 2,914			
<i>System upgrades</i>					
0.3% of 2012A Bond (new money)	3,630	3,633			
0.20% of 2015B Bond Refunding	3,164	3,164			
Estimated DS - CIP Growth in Rate			-		
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest	-	(500)			
	\$ 8,233	\$ 9,211	\$ -	\$ 8,233	\$ 686
TOTAL	\$ 564,440	\$ 570,635	\$ 266,300	\$ 830,740	\$ 69,228

DEBT SUMMARY

	Total Revenue Bond Debt	Total FY 2018 Debt Service
<u>CURRENT EXISTING DEBT</u>		
<u>DEBT BY BOND ISSUE</u>		
2005 A Bond VRA/VRLF	1,308,666	159,339
2009A Bond	18,106,709	1,604,199
2010A Bond	11,300,805	962,522
2011A Bond	5,540,057	443,608
2011B Bond	790,924	63,332
2011D,E Bond	3,817,769	296,944
2012A Bond (refunding & new money)	19,755,000	1,643,841
2012B Bond	23,960,000	1,341,331
2014A Bond	28,457,903	1,882,336
2015A Bond	1,163,298	70,593
2015B Bond (refunding & new money)	43,210,000	3,275,806
2016 Bond	10,000,000	626,347
	\$ 167,411,131	\$ 12,370,198

PRINCIPAL AND INTEREST PAYMENTS BY CENTER - Annual

Urban Water	4,242,130
Crozet Water	426,977
Scottsville Water	129,848
Urban Wastewater	7,561,430
Glenmore Wastewater	1,582
Scottsville Wastewater	8,233
	\$ 12,370,198

Stone Robinson School WWTP Estimated Charges

Expenses	Total	Monthly
<i>Fixed Costs</i>		
Wages	\$ 10,023	
Benefits	3,641	
Mileage	1,803	
Subtotal	<u>\$ 15,467</u>	
Overhead at 35%	<u>5,413</u>	
Total Fixed Charge	<u>\$ 20,880</u>	
 <i>Variable Costs</i>		
Repairs, Maintenance, Other	\$ 5,000	
Overhead at 35%	<u>1,750</u>	
Total Variable Charge	<u>\$ 6,750</u>	
Total Annual Charge Estimate	<u>\$ 27,630</u>	<u>\$ 2,303</u>

All Rate Centers

Detailed Summary of Revenues

	<i>FY 2017</i>	<i>FY 2018</i>	<i>% Change</i>
<u>OPERATIONS</u>			
Operations Rate Revenues	<u>\$ 14,450,064</u>	<u>\$ 15,403,127</u>	<u>6.60%</u>
Other Operations Revenues			
Interest Allocation	\$ 8,025	\$ 15,000	86.92%
Stone Robinson WWTP	27,027	27,630	2.23%
Septage/Sludge Acceptance	390,000	390,000	0.00%
Leases	63,000	64,000	1.59%
Administration	329,000	410,000	24.62%
Nutrient Credits	123,000	100,000	-18.70%
Use of Reserves	-	40,000	0.00%
Miscellaneous	17,000	17,000	0.00%
	<u>\$ 957,052</u>	<u>\$ 1,063,630</u>	<u>11.14%</u>
Total Operations Revenues	<u>\$ 15,407,116</u>	<u>\$ 16,466,757</u>	<u>6.88%</u>
<u>DEBT SERVICE</u>			
Debt Service Rate Revenues			
City	\$ 6,384,062	\$ 6,634,556	3.92%
ACSA	6,792,668	6,926,602	1.97%
	<u>\$ 13,176,730</u>	<u>\$ 13,561,158</u>	<u>2.92%</u>
Other Debt Service Revenues			
Interest	129,350	146,900	13.57%
County MOU - Septage	109,440	109,440	0.00%
Buck Mountain Surcharge	75,100	84,000	11.85%
Leases	1,600	1,600	0.00%
	<u>\$ 315,490</u>	<u>\$ 341,940</u>	<u>8.38%</u>
Total Debt Service Revenues	<u>\$ 13,492,220</u>	<u>\$ 13,903,098</u>	<u>3.05%</u>
Total Revenues	<u>\$ 28,899,336</u>	<u>\$ 30,369,855</u>	<u>5.09%</u>

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 5,056,841	\$ 2,542,205	\$ 5,179,109	\$ 5,384,854	\$ 328,013	6.49%
11010	Overtime Pay	175,200	152,516	305,032	197,800	22,600	12.90%
12010	FICA	400,251	194,023	388,046	427,073	26,822	6.70%
12020	Health Insurance	783,848	365,750	731,500	991,929	208,081	26.55%
12026	Employee Assistance Program	1,374	614	1,228	1,265	(109)	-7.93%
12030	Retirement	490,443	220,672	446,344	518,023	27,580	5.62%
12040	Life Insurance	66,245	29,505	59,010	70,543	4,298	6.49%
12050	Fitness Program	8,325	6,143	12,286	11,820	3,495	41.98%
12060	Worker's Comp Insurance	66,100	49,472	65,963	74,141	8,041	12.16%
	Subtotal	\$ 7,048,627	\$ 3,560,900	\$ 7,188,518	\$ 7,677,448	\$ 628,821	8.92%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 10,360	\$ 4,815	\$ 9,630	\$ 10,490	\$ 130	1.25%
13150	Education & Training	47,900	20,686	53,218	62,510	14,610	30.50%
13200	Travel & Lodging	18,150	5,815	12,130	32,050	13,900	76.58%
13250	Uniforms	35,790	25,364	50,728	45,090	9,300	25.98%
13325	Recruiting & Medical Testing	4,165	2,510	5,104	3,840	(325)	-7.80%
13350	Other	10,650	6,828	13,240	10,095	(555)	-5.21%
	Subtotal	\$ 127,015	\$ 66,018	\$ 144,050	\$ 164,075	\$ 37,060	29.18%
20100	Professional Services						
20100	Legal Fees	\$ 89,000	\$ 68,431	\$ 126,862	\$ 94,000	\$ 5,000	5.62%
20200	Financial & Admin. Services	89,000	35,647	101,992	115,900	26,900	30.22%
20250	Bond Issue Costs	-	124,943	120,000	-	-	0.00%
20300	Engineering & Technical Services	288,400	168,119	287,332	380,450	92,050	31.92%
	Subtotal	\$ 466,400	\$ 397,140	\$ 636,186	\$ 590,350	\$ 123,950	26.58%
21100	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 145,950	\$ 110,172	\$ 110,172	\$ 123,100	\$ (22,850)	-15.66%
21150	Advertising & Communication	13,800	3,209	15,200	15,200	1,400	10.14%
21250	Watershed Management	75,100	10,316	45,632	100,000	24,900	33.16%
21252	EMS Programs/Supplies	500	-	-	500	-	0.00%
21253	Safety Programs/Supplies	34,350	10,641	28,218	41,532	7,182	20.91%
21300	Authority Dues/Permits/Fees	85,900	48,727	101,918	90,330	4,430	5.16%
21350	Laboratory Analysis	98,750	45,655	92,310	100,000	1,250	1.27%
21400	Utilities	1,280,780	589,530	1,253,464	1,269,290	(11,490)	-0.90%
21420	General Other Services	594,300	256,819	513,274	767,710	173,410	29.18%
21430	Governance Support	38,000	3,563	6,440	40,000	2,000	5.26%
21450	Bad Debt	-	-	-	5,000	5,000	
	Subtotal	\$ 2,367,430	\$ 1,078,632	\$ 2,166,628	\$ 2,552,662	\$ 185,232	7.82%
22000	Communication						
22100	Radio	\$ 21,700	\$ 22,258	\$ 35,202	\$ 26,300	\$ 4,600	21.20%
22150	Telephone & Data Service	78,730	41,394	82,788	78,425	(305)	-0.39%
22200	Cell Phones & Pagers	30,700	14,934	29,868	37,880	7,180	23.39%
	Subtotal	\$ 131,130	\$ 78,586	\$ 147,858	\$ 142,605	\$ 11,475	8.75%
31000	Information Technology						
31100	Computer Hardware	\$ 51,150	\$ 17,941	\$ 52,015	\$ 51,600	\$ 450	0.88%
31150	SCADA Maint. & Support	139,700	40,676	99,412	154,600	14,900	10.67%
31200	Maintenance & Support Services	92,500	56,828	111,566	95,300	2,800	3.03%
31250	Software Purchases	22,725	5,326	20,652	22,900	175	0.77%
	Subtotal	\$ 306,075	\$ 120,771	\$ 283,645	\$ 324,400	\$ 18,325	5.99%
33000	Supplies						
33100	Office Supplies	\$ 23,900	\$ 15,262	\$ 34,000	\$ 28,400	\$ 4,500	18.83%
33150	Subscriptions/Reference Material	7,850	674	4,848	6,110	(1,740)	-22.17%
33350	Postage & Delivery	11,910	1,733	8,408	10,460	(1,450)	-12.17%
	Subtotal	\$ 43,660	\$ 17,669	\$ 47,256	\$ 44,970	\$ 1,310	3.00%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 221,930	\$ 228,178	\$ 418,396	\$ 282,240	\$ 60,310	27.18%
41150	Building & Land Lease	32,500	32,313	32,313	32,500	-	0.00%
41200	Pump Station Maintenance	140,010	41,831	96,890	102,500	(37,510)	-26.79%
41300	Dam Maintenance	68,700	77,675	161,850	99,500	30,800	44.83%
41350	Pipeline/Appurtenances	316,530	111,598	263,196	385,160	68,630	21.68%
41400	Materials & Supplies	131,300	73,445	147,928	131,900	600	0.46%
41450	Chemicals	1,671,300	767,663	1,563,936	1,548,380	(122,920)	-7.35%
41500	Vehicle Maintenance	35,200	33,027	49,584	38,350	3,150	8.95%

**Rivanna Water and Sewer Authority
Fiscal Year 2017-2018 Adopted Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2016-2017	Current Year Activity		Adopted Budget FY 2017-2018	2017	2017
			Six Month Actual 12/31/2016	Projected Year end 6/30/2017		vs. 2018 Variance \$	vs. 2018 Variance %
41550	Equipment Maint. & Repair	657,100	462,850	714,226	613,500	(43,600)	-6.64%
41600	Instrumentation	78,960	32,386	99,272	134,420	55,460	70.24%
41650	Fuel & Lubricants	84,620	30,493	70,986	92,000	7,380	8.72%
41700	General Other Maintenance	159,550	30,786	71,572	153,000	(6,550)	-4.11%
Subtotal		\$ 3,597,700	\$ 1,922,245	\$ 3,690,149	\$ 3,613,450	\$ 15,750	0.44%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 45,050	\$ 55,105	\$ 110,210	\$ 47,550	\$ 2,500	5.55%
81200	Rental & Leases	9,000	19,219	38,438	14,300	5,300	58.89%
81250	Equipment (over \$5000)	149,800	5,630	77,260	111,000	(38,800)	-25.90%
81300	Vehicle Replacement Fund	152,400	76,200	152,400	163,450	11,050	7.25%
Subtotal		\$ 356,250	\$ 156,154	\$ 378,308	\$ 336,300	\$ (19,950)	-5.60%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	
95300	Engineering Allocation	-	-	-	-	-	
95150	Maintenance Allocation	-	-	-	-	-	
95200	Laboratory Allocation	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
	Capital Reserve Transfer	\$ 181,813	\$ 90,907	\$ 181,814	\$ 272,500	\$ 90,687	49.88%
	Depreciation	781,000	390,500	781,000	788,000	7,000	0.90%
Subtotal		\$ 962,813	\$ 481,407	\$ 962,814	\$ 1,060,500	\$ 97,687	10.15%
Total		\$ 15,407,100	\$ 7,879,522	\$ 15,645,412	\$ 16,506,760	\$ 1,099,660	7.14%

Audit Check	
Less revenue allocation in Admin.	(410,000)
Less revenue allocation in Maint.	-
Detail Check on Expenses	\$ 16,096,760
Total Summary Sheet Rate Center Only	\$ 16,096,761

RWSA Staffing by Department

OPERATIONS	Approved Positions FY 2017	Changes	Positions FY 2018
Operations Management			
Director of Operations	1		1
Engineering Department			
Chief Engineer	1		1
Senior Civil, Civil Engineers	4	1	5
Engineering Technician/Inspector/GIS	2	1	3
GIS Coordinator	1		1
Administrative Office Technician	1		1
Subtotal	9	2	11
Laboratory			
Laboratory Director	1		1
Chemist	1		1
Lab Technician	1		1
Subtotal	3	0	3
Maintenance Department			
Maintenance Manager	1		1
Maintenance Supervisor	1		1
Mechanics	10		10
Vehicle Equipment Mechanic	1		1
Mechanic Helper	1		1
Maintenance Workers	2		2
Subtotal	16	0	16
Wastewater Department			
Wastewater Manager	1		1
Wastewater Assistant Manager	1		1
Treatment Supervisor	1		1
<u>Plant Operators (14 total)</u>			0
Operators - Moores Creek	8	1	9
Operators - Relief Shift Differential all plants	2		2
Operator - Glenmore	1		1
Operator - Scottsville	1		1
Dewatering Operators	2	-2	0
Subtotal	17	-1	16
Water Department			
Water Manager	1		1
Water Assistant Manager	1		1
Water Resources Manager	1		1
Water Treatment Plant Supervisor	1		1
<u>Plant Operators (20.4 total)</u>			0

RWSA Staffing by Department

OPERATIONS	Approved Positions FY 2017	Changes	Positions FY 2018
Operators - Relief Shift Differential all plants	3		3
Operators - S. Rivanna / N. Rivanna	8	2	10
Operators - Observatory	5.75	-0.35	5.4
Operators - Crozet	2.4	0.2	2.6
Operators - Scottsville	1.25	0.15	1.4
Subtotal	24.4	2	26.4
Subtotal for Operations	70.4	3	73.4

JOINT ADMINISTRATIVE STAFF

			FTE Split		
			RWSA	SWA	
Executive Director	1	1	0.85	0.15	1.00
Communications Manager/Executive Coordinator	1	1	0.64	0.36	1.00
Director of Finance & Administration	1	1	0.85	0.15	1.00
Office/ HR Manager	1	1	0.85	0.15	1.00
Accountant	1	1	0.74	0.26	1.00
Payroll & Benefits Coordinator	1	1	0.78	0.22	1.00
Accounts Payable/Purchasing Technician	1	1	0.92	0.08	1.00
Accounts Receivable Technician	1	1	0.33	0.67	1.00
Reception / Secretary III	1	1	0.90	0.10	1.00
Administrative Office Technician	1	1	0.58	0.42	1.00
Environmental & Safety Manager	1	1	0.60	0.40	1.00
Information Systems Administrator	1	1	0.84	0.16	1.00
Information Systems Asst. Administrator	1	1	0.62	0.38	1.00
IT Specialist - SCADA	1	1	1.00	0.00	1.00
SCADA Technician	1	1	1.00	0.00	1.00

Administration and allocation with RSWA	15	0	15	11.50	3.50
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Total all positions	85.40	3.00	88.40
FTE Position Allocated to RSWA	<u>-3.36</u>		<u>-3.50</u>
Total Adjusted FTEs	82.04		84.90

Data for ACSA

	FY 2017	FY 2018	Change
Total RWSA Expenses			
Water	\$ 13,878,000	\$ 14,539,000	\$ 661,000
Wastewater	14,692,000	16,061,000	1,369,000
Add Administration revenue allocation	329,000	410,000	81,000
Add Maintenance revenue allocation	-	-	-
	-	-	-
Total	<u>\$ 28,899,000</u>	<u>\$ 31,010,000</u>	<u>\$ 2,111,000</u>

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

Urban	\$ 6,427,485	\$ 6,669,144	\$ 241,659
Crozet	1,489,788	1,606,812	117,024
Scottsville	520,589	541,684	21,095
	-	-	-
Total	<u>\$ 8,437,862</u>	<u>\$ 8,817,640</u>	<u>\$ 379,778</u>

Wastewater

Urban	\$ 5,683,291	\$ 5,810,406	\$ 127,115
Scottsville	263,287	292,921	29,634
Stone Robinson School	27,027	27,630	603
Glenmore	320,326	353,926	33,600
	-	-	-
Total	<u>\$ 6,293,931</u>	<u>\$ 6,484,883</u>	<u>\$ 190,952</u>

Total for ACSA

	<u>\$ 14,731,793</u>	<u>\$ 15,302,523</u>	<u>\$ 570,730</u>
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