

**Rivanna Pump Station and Tunnel Project
Charlottesville, Virginia**

*Adopted
May 24, 2016*

**Fiscal Year 2016 – 2017
Budget**

RIVANNA WATER & SEWER AUTHORITY

FY 2017 Adopted Budget

Prepared: March 8, 2016

Adopted: May 24, 2016

Table of Contents

			<u>Page</u>
Budget Highlights			
	Narrative		i-viii
	Summary of Rates and Revenues - Urban Rate Centers		ix
	Summary of Rates and Revenues - Rural Rate Centers		x
	Historical Revenue Collections - Urban Rate Centers		xi
Departmental Summary of Revenues and Expenses			1
Summary of Itemized Rates			2
	Urban Water:	Summary Sheet	5
		Expense Detail	6
	Crozet Water:	Summary Sheet	9
		Expense Detail	10
	Scottsville Water:	Summary Sheet	13
		Expense Detail	14
Wastewater:	Urban Wastewater:	Summary Sheet	19
		Expense Detail	20
	Glenmore Wastewater:	Summary Sheet	23
		Expense Detail	24
	Scottsville Wastewater:	Summary Sheet	27
		Expense Detail	28
Support Departments:			
	Administration		33
	Maintenance		37
	Lab		41
	Engineering		45
Appendices:			
	1 - Flow Projections		51
	2 - Urban Water Debt Service Rates		52
	3 - Urban Wastewater Debt Service Rates		53
	4 - Rural Rate Centers Debt Service Rates		54
	5 - Debt Summary		55
	6 - Stone Robinson School WWTP Estimated Charges		56
	7 - Detailed Summary of Revenues		57
	8 - Detailed Summary of Expenses		58
	9 - Staffing by Department		60
	10 - Data for ACSA		62
	11 - Urban Water Rate Revenue Analysis		63
	12 - Urban Wastewater Rate Revenue Analysis		64

This page left blank intentionally.

Budget Highlights

***- Executive Summary Narrative
Pages i - viii***

***- Summary Information Tables
ix-xi***

This page left blank intentionally.

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**

Overall Summary

The Rivanna Water and Sewer Authority budget is summarized in this narrative to highlight the major factors that impact the budget and the rates. **Flows** are the most significant element in the calculation of the Urban area operations rates and unfortunately flows are as difficult to predict as the weather. Flow estimates are usually based on 90% to 95% of the ten-year average flow for each rate center; however, this year the estimated total flows were left at FY 2016 levels for the budget for both Urban Water and Wastewater.

Another impact on the rate calculation is the allocation of Rivanna’s water and wastewater flows between the City and ACSA for the Urban areas. The allocation for Urban water flows shifted 1 percentage point between the two customers and Urban wastewater flows shifted by 2 percentage points from the City to the ACSA for the coming fiscal year as shown below. This shift affects some of the debt service costs allocations.

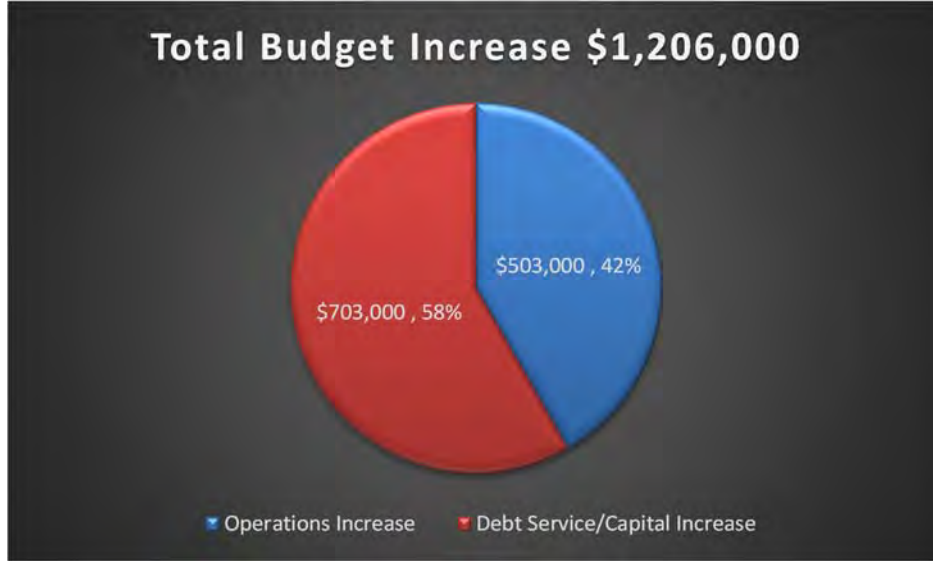
Allocation of flows (based on retail flows):

	<u>FY 2016</u>	<u>FY 2017</u>
City Water	53%	52%
ACSA Water	47%	48%
City Wastewater	54%	52%
ACSA Wastewater	46%	48%

The above flow allocation between the ACSA and the City is based on the overall retail flows reported to Rivanna for FY 2015 by the two customers, which has been a consistent practice for all past budgets (**see Appendix 1 in the budget detail**). The flow allocations no longer affect the rate charged per 1,000 gallons. It does however affect the monthly debt service charges. Total flows, which affect the rate per 1,000 gallons, will remain the same as last year.

The estimated operating expenses for FY 2017 are increasing by \$503,000 or 3.37% (page 1 of detailed budget) over the current fiscal year budget while the debt service expenses will increase by \$703,000 or 5.50%. The estimated total budget increase for FY 2017 is roughly \$1,206,000 or 4.35%.

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**



There has been a small reorganization that has moved some personnel and costs between departments. Last year, staff initiated a review of the SCADA (supervisory control and data acquisition) systems functioning and resources that support the IT and SCADA infrastructure. The resulting recommendation was to transfer most of the SCADA maintenance and support resources (one SCADA Technician position et al) from the Maintenance Department to the IT section which is in Administration Department. SCADA is heavily driven by information technology related services, such as software installations, programming changes, upgrades and backups. SCADA is heavily reliant on networking communications and has major hardware components needs. Therefore, the budget for FY 2017 shows a shifting of costs between the Administration and Maintenance support departments – see page 1 of the detailed budget.

The SCADA system and infrastructure has grown, more than doubling in recent years as the upgrades to the Moores Creek AWWRF were completed. New systems are being installed, resulting from the GAC and water treatment plant upgrades, continuing SCADA and related IT systems growth. The overall system at a glance is shown below:

20 locations with 12 separate networks	26 servers at 8 locations
70 Programmable Logic Controllers (PLC)	23 Gigabit backbone switches
Over 10 service connections for T1, DSL and Fiber	138 desktop computers & multiple mobile CPUs and handheld units
Multiple DVR, Video & security control units/lock out systems	21 Internet and wireless routers

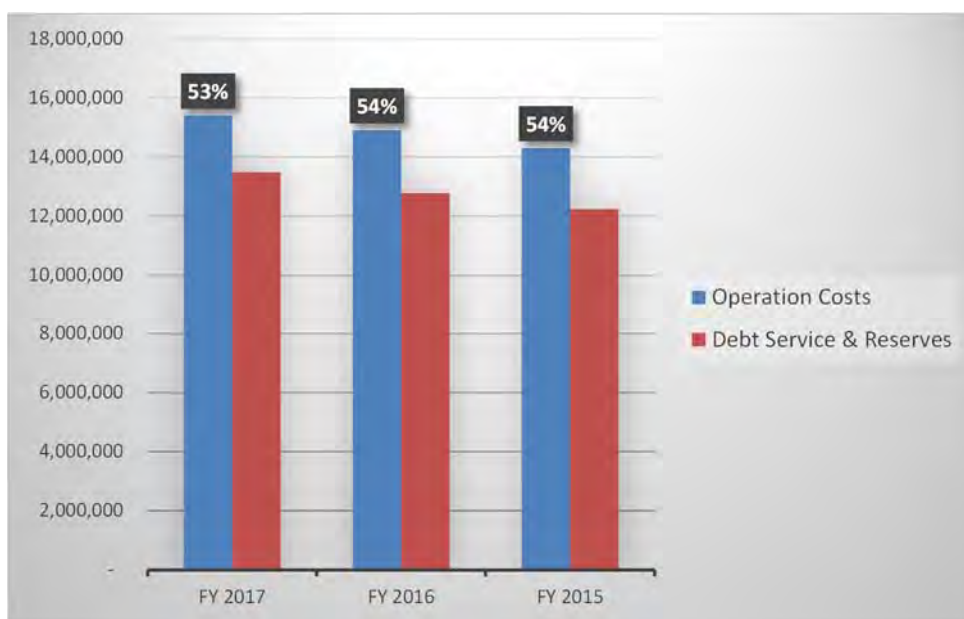
Currently, there are 3 staff members devoted to maintaining all SCADA, business and accounting systems, administrative system, phone, cell, data services, and video security systems. The review of our SCADA system and means to support it identified the need to increase our staffing resources and make the organizational changes mentioned before. As a

Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget

result, the Administration Department will be requesting an additional IT Specialist – SCADA position to meet the needs of this growing system. Personnel resources for SCADA have not kept pace with recent growth since the first SCADA Tech position was created in FY 2005, which was the last time a position was approved for this area of operations. The SCADA and IT systems are a vital part of the total operations of nearly all our plants. All operators depend on a reliable consistent system to control treatment needs in real time, and management depends on the information gathered and generated in usable reporting that helps maximize efficiencies and problem solving when issues arise. A well run and maintained SCADA and IT system at the Authority is essential to meeting the needs of our customers.

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

The Authority’s overall cost break out between operating costs and debt service is similar to last year with operating costs representing roughly 53% of the total budget and debt service being 47% of the total.



As mentioned before, the Authority’s annual Debt Service expenses are estimated to increase \$703,000 over the current year. This is following an increase of \$548,000 in FY 2016 and \$963,000 in FY 2015. Debt and capital expenses are discussed in more detail later in this narrative. **Table 1** shows the impact on the Urban Rates in total and **Table 2** shows the impact on the Rural Rates.

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**

Operations Summary

The budget has been prepared to include a 2% merit pool for our employees. The health insurance and other related benefits such as dental and vision insurance and employee assistance program (EAP) are currently being procured. We will not have actual cost increase estimates from the various insurers until late April of this year for the July open enrollment period. A 15% increase in premiums is built into the budget this year based on the uncertainty of the markets and the advice of our insurance consultant.

Retirement contribution rates decreased slightly and life insurance rates to be paid to VRS will be unchanged.

A listing of the most notable items affecting the operating budgets is provided as follows:

Summary of Budget Notable Items FY 2017	<u>Line Item</u>	Budget Line Item Changes
<u>Personnel cost in general</u>		
• Merit of 2.0%	11000	\$ 97,650
• Market Adjustments	11000	\$ 48,800
• Health care benefit change 15% increase	12020	\$ 91,047
• Personnel/Position Changes: IT systems specialist - SCADA	11XXX	\$ 65,000
• All other Personnel related changes		<u>\$ 44,348</u>
<i>Total change in personnel and benefit costs</i>		\$ 346,845
<u>Urban Water</u>		
• Engineering Services - Operational Technical Support	20300	\$ 20,000
Consultant Study on GAC/Polymer	20300	40,000
Vulnerability Assessment - Consultant	20300	50,000
Piney Mt. Tank Inspection	20300	<u>6,400</u>
		116,400
FY 2016 Budget	20300	<u>(150,000)</u>
		\$ (33,600) \$ (33,600)
• Telephone & Data Services - new fiber connections for SCADA, DVR	22150	\$ 26,100
• Information Technology - Backlog of SCADA maintenance	31XXX	\$ 62,900
• Building and Grounds - Window replacement at S.R. filter bay	41100	\$ 30,000
• Dam Maintenance - Additional clearing, Dive inspection at R.M. culvert	41300	\$ 22,200
• Pipeline/Appurtenances - Clearing and mowing	41350	\$ 22,920
• Instrumentation - Contract renewal after 3 year initial term.	41600	\$ 4,700
• Reserves - Carbon Supply - amortize costs of annual carbon needs, estimated to be additional \$675,000 annually.	41450	\$ 168,563

Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget

	<u>Line Item</u>		<u>Budget Line Item</u>	<u>Changes</u>
<u>Crozet Water</u>				
• Engineering Services - Bathymetric Study	20300	\$ 45,000		
Tank Inspections	20300	14,200		
Consultant Studies DPB GAC optimizations	20300	10,000		
Vulnerability Assessment - Consultant	20300	5,000		
All other Studies	20300	<u>2,500</u>		
		76,700		
FY 2016 Budget		(73,900)	\$	2,800
• Laboratory Analysis - DPB Rule	21350	\$ 3,500		
Cyanotoxins		4,000		
MIB/Geosmin		8,000		
Annual Water Quality Testing		<u>4,000</u>		
		19,500		
FY 2016 Budget		\$ (13,000)	\$	6,500
• Information Technology - Backlog of SCADA maintenance	31XXX		\$	11,900
• Dam Maintenance	41300		\$	5,000
• Building and Grounds	41100		\$	(41,800)
• Equipment Maint. & Repair				
New HVAC	41550	\$ 25,000		
Mud Valve in Flash Mixer and Flocculator	41550	8,200		
New transfer pump for Alum	41550	3,450		
Other Repairs	41550	<u>53,350</u>		
		90,000		
FY 2016 Budget	41550	(150,000)	\$	(60,000)
• Reserves - Carbon Supply - amortize costs of annual carbon needs, estimated to be additional \$36,000 annually.	41450		\$	12,000
<u>Scottsville Water</u>				
• Engineering Services - Consultant work and S.E.H.	20300	5,000		
Vulnerability Assessment - Consultant	20300	5,000		
Tank Inspections	20300	<u>5,300</u>		
		15,300		
FY 2016 Budget		(17,600)	\$	(2,300)
• Information Technology - Backlog of SCADA maintenance	31XXX		\$	5,100
• Building & Grounds - Increase for Cutting and Mowing	41100			3,000
• Equipment over \$5,000 - Replaced two raw pumps completed	81250		\$	(68,000)
• Reserves - Carbon Supply - amortize costs of annual carbon needs, estimated to be additional \$5,438 annually.	41450		\$	1,250
<u>Urban Wastewater</u>				
• Engineering Services - General Eng. Support process evaluations	20300	\$ 50,000		
FY 2016 Budget		(40,000)	\$	10,000
• General Other Services - Increase in solid hauling and composting costs	21420		\$	35,000
• Information Technology - Backlog of SCADA maintenance	31XXX		\$	41,850
• Pipeline/Appurtenances - Clearing and Mowing	41350	73,440		
Metering maintenance	41350	66,530		
Line maintenance & line break repairs	41350	<u>46,400</u>		
		186,370		
FY 2016 Budget		(81,400)	\$	104,970

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**

	<u>Line Item</u>	<u>Budget Line Item Changes</u>
<u>Glenmore Wastewater</u>		
• Lab Analysis - Special sampling for permit	21350	\$ 1,500
• Utilities - trending increase	21400	\$ 2,750
• Telephone & Data Services - new faster connections for SCADA, DVR	22150	\$ 1,330
• Building and Grounds - sound curtain for air pumps - ACSA request	41100	\$ 8,000
• Instrumentation - trending increase	41600	\$ 1,190
<u>Scottsville Wastewater</u>		
• Lab Analysis - special sampling for permit	21350	\$ 4,000
• Equipment Maintenance and Repair - trending increases	41550	\$ 3,125
<u>Administration</u>		
• Education & Training - new training needs for SCADA & Safety	13150	\$ 4,000
• Financial and Admin Services	20200	\$ (8,650)
• Engineering & Technical Services - 3 year requirement	20300	\$ 30,000
• IT - Support services for software support needs were initially budgeted in admin, but have shifted the budget to the rate centers	31200	\$ (28,300)
<u>Lab</u>		
• Utilities - compressed gas usage will increase	21400	\$ 2,000
• Equipment Maintenance - new TOC maintenance agreement	41550	\$ 5,000
• Equipment over \$5,000 - infra-red digester for TN testing.	41100	\$ 10,000
<u>Maintenance</u>		
• Personnel costs - move SCADA Tech to Admin.	11XXX	\$ (32,000)
• Information Technology - SCADA Support moved to rate centers & Admin	31XXX	\$ (27,000)
All other budget changes (Various line item cuts)		\$ (192,205)
TOTAL INCREASE IN OPERATING COSTS Appendix 8		<u>\$ 502,638</u>

The other major budget impact to mention is the impact the Granular Activated Carbon (GAC) will have on the operating budget in the coming few years. The cost to purchase the Carbon used in the process will initially be included in the capital budget for FY 2017. However, this will be a continuous expenditure each year once the units are put in place much like any other chemical used in the treatment process. The Carbon can be regenerated but it will still be a costly endeavor. It is estimated to be an annual expense of anywhere from \$715,000 to \$1,000,000. This year you will see a reserve created in each water rate center budget for a portion of that cost to gradually increase the operating budget over the next 3 to 4 years so we do not have a large rate increase next year for renewing and replacing the carbon needed in the GAC process.

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**

Debt Service & Capital

Debt service needs relative to the recently updated Capital Improvement Plan (CIP), adopted at the February 2016 board meeting, are included in the budget request for the coming year. The overall CIP decreased \$2.35 million compared to last year because several projects were completed. Those completed project budgets totaled \$13.5 million. As with any update of the capital program several project costs were increased such as GAC for \$1.2 million and the Crozet Interceptor Flow Equalization Basin for \$2 million. The water Master Metering project saw a decrease in budget estimate of \$2.6 million. New or additional project costs total \$11.16 million in the latest update of the CIP.

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

Project Cost	2015-2019 Adopted CIP	Projects Completed	New or Additional Project Costs	2016-2020 Proposed CIP	Change \$	Change %
Urban Water Projects	\$ 53,838,029	\$ (3,712,535)	\$ 3,426,000	\$ 53,551,494	\$ (286,535)	-1%
Urban Wastewater Projects	66,404,099	(7,216,950)	4,969,606	64,156,755	(2,247,344)	-4%
Rural Projects	15,382,100	(2,575,000)	2,759,790	15,566,890	184,790	1%
Total Project Cost Estimates	\$ 135,624,228	\$ (13,504,485)	\$ 11,155,396	\$ 133,275,139	\$ (2,349,089)	-2%

The Authority has programed into this year's budget and previous years' budgets and charges the capacity to issue additional debt to fund the CIP. Cumulatively, the Authority has built into the rates 34% of future debt service costs 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 that new debt is actually issued - effectively evening out the impact on charges. For example, Urban Water charges have nearly **60%** of the needed future debt service already built into the charges over the next five years. (\$1.1 million in annual debt service is estimated to be needed in the next 5 years, and \$637,000 will already be programed into the charges). Urban Wastewater has **26%** and the Rural rate centers have **20%** of the needed five year debt service programed into the charges (see below).

**Rivanna Water and Sewer Authority
Summary
FY 2016-2017 Budget**

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 2017 Rates</u>	Percentage of Debt Service in proposed <u>FY 2017 Rates</u>		
Urban Water	\$ 1,100,000	\$ 637,300	57.9%		
	-				
Urban Wastewater	1,906,138	486,000	25.5%		
Rural Rate Centers	732,000	146,300	20.0%		
	<u>\$ 3,738,138</u>	<u>\$ 1,269,600</u>	<u>34.0%</u>		

TABLE 1

URBAN RATE CENTERS (only)

Rate Summary			
	Adopted Budget FY 2016	Adopted Budget FY 2017	Percentage Change
Water			
<u>Operating rate (per 1,000 gallons)</u>			
Uniform (City & ACSA)	\$ 1,713	\$ 1,833	7.01%
<u>Debt Service (monthly charge)</u>			
City	\$ 158,099	\$ 162,968	3.08%
ACSA	\$ 279,864	\$ 284,031	1.49%
Wastewater			
<u>Operating rate (per 1,000 gallons)</u>			
Uniform (City & ACSA)	\$ 1,789	\$ 1,835	2.57%
<u>Debt Service (monthly charge)</u>			
City	\$ 333,645	\$ 369,037	10.61%
ACSA	\$ 232,493	\$ 222,280	-4.39%
Rate Revenue Summary			
	Adopted Budget FY 2016	Adopted Budget FY 2017	Percentage Change
Water			
City	\$ 5,013,905	\$ 5,226,317	4.24%
ACSA	6,122,249	6,427,485	4.99%
	<u>\$ 11,136,154</u>	<u>\$ 11,653,802</u>	<u>4.65%</u>
Wastewater			
City	\$ 7,312,121	\$ 7,695,711	5.25%
ACSA	5,608,164	5,683,291	1.34%
	<u>\$ 12,920,285</u>	<u>\$ 13,379,002</u>	<u>3.55%</u>
Other Revenues			
Water			
Buck Mtn. Surcharge	\$ 89,000	\$ 75,100	-15.62%
Lease Revenues	32,600	32,600	0.00%
Interest	33,990	62,800	84.76%
All Other Revenues	51,000	7,000	-86.27%
	<u>\$ 206,590</u>	<u>\$ 177,500</u>	<u>-14.08%</u>
Wastewater			
Septage Acceptance	\$ 340,000	\$ 390,000	14.71%
Nutrient Credits	85,000	123,000	44.71%
County MOU - Septage	109,440	109,440	0.00%
Interest	37,100	68,800	85.44%
All Other Revenues	121,847	160,027	31.33%
	<u>\$ 693,387</u>	<u>\$ 851,267</u>	<u>22.77%</u>

TABLE 2

RURAL RATE CENTERS (only)

Rate Summary			
(Rates are per month)	Adopted Budget <u>FY 2016</u>	Adopted Budget <u>FY 2017</u>	Percentage Change
<u>Water</u>			
Crozet	\$ 111,330	\$ 124,149	11.51%
Scottsville	49,012	43,382	-11.49%
<u>Wastewater</u>			
Glenmore	\$ 25,211	\$ 26,694	5.88%
Scottsville	21,425	21,941	2.41%
Revenue Summary			
	Adopted Budget <u>FY 2016</u>	Adopted Budget <u>FY 2017</u>	Percentage Change
<u>Water</u>			
Crozet	\$ 1,369,560	\$ 1,525,088	11.36%
Scottsville	588,609	521,789	-11.35%
	<u>\$ 1,958,169</u>	<u>\$ 2,046,877</u>	<u>4.53%</u>
<u>Wastewater</u>			
Glenmore	\$ 302,909	\$ 320,901	5.94%
Scottsville	257,504	263,987	2.52%
	<u>\$ 560,413</u>	<u>\$ 584,888</u>	<u>4.37%</u>
Total	<u>\$ 2,518,582</u>	<u>\$ 2,631,765</u>	<u>4.49%</u>

TABLE 3

**Historical Rate Revenue Collections
Urban Rate Centers**

Fiscal Year	WATER RATE REVENUE		Total	Yearly Dollar Change	Yearly % Change
	City	County			
92-93	* \$ 2,206,720	\$ 1,212,555	\$ 3,419,275		
93-94	* 2,402,645	1,514,064	3,916,709	\$ 497,434	14.55%
94-95	2,392,197	1,603,700	3,995,897	79,188	2.02%
95-96	2,342,461	1,596,163	3,938,624	(57,273)	-1.43%
96-97	2,275,587	1,604,858	3,880,445	(58,179)	-1.48%
97-98	2,395,480	1,727,230	4,122,710	242,265	6.24%
98-99	* 2,648,777	1,977,658	4,626,435	503,725	12.22%
99-00	* 2,569,109	1,998,135	4,567,244	(59,191)	-1.28%
00-01	2,913,526	2,325,479	5,239,005	671,761	14.71%
01-02	2,782,285	2,305,516	5,087,801	(151,204)	-2.89%
02-03	3,221,249	2,629,533	5,850,782	762,981	15.00%
03-04	* 4,063,593	3,419,181	7,482,774	1,631,992	27.89%
04-05	3,869,556	4,082,111	7,951,667	468,893	6.27%
05-06	* 4,281,005	4,660,319	8,941,324	989,657	12.45%
06-07	4,278,923	4,938,061	9,216,984	275,660	3.08%
07-08	4,753,929	4,143,040	8,896,969	(320,015)	-3.47%
08-09	* 4,210,140	4,677,651	8,887,791	(9,178)	-0.10%
09-10	* 4,580,689	5,152,723	9,733,412	845,621	9.51%
10-11	* 4,607,779	5,285,220	9,892,999	159,587	1.64%
11-12	* 4,484,585	5,463,282	9,947,867	54,868	0.55%
12-13	* 4,547,520	5,750,968	10,298,488	350,621	3.52%
13-14	* 4,377,703	5,467,803	9,845,506	(452,982)	-4.40%
14-15	* 4,896,083	6,060,163	10,956,246	1,110,740	11.28%

	WASTEWATER RATE REVENUE		Total	Yearly Dollar Change	Yearly % Change
	City	County			
92-93	* \$ 2,022,694	\$ 1,306,229	\$ 3,328,923		
93-94	* 2,107,378	1,325,328	3,432,706	\$ 103,783	3.12%
94-95	1,862,329	1,335,477	3,197,806	(234,900)	-6.84%
95-96	1,906,982	1,344,660	3,251,642	53,836	1.68%
96-97	1,999,401	1,478,595	3,477,996	226,354	6.96%
97-98	1,992,897	1,473,810	3,466,707	(11,289)	-0.32%
98-99	* 2,087,726	1,427,849	3,515,575	48,868	1.41%
99-00	* 2,133,531	1,463,854	3,597,385	81,810	2.33%
00-01	1,998,095	1,587,586	3,585,681	(11,704)	-0.33%
01-02	2,398,451	1,714,327	4,112,778	527,097	14.70%
02-03	3,245,594	2,551,906	5,797,500	1,684,722	40.96%
03-04	* 3,573,322	2,891,429	6,464,751	667,251	11.51%
04-05	3,180,840	2,752,201	5,933,041	(531,710)	-8.22%
05-06	* 3,146,223	2,767,103	5,913,326	(19,715)	-0.33%
06-07	3,766,151	3,461,597	7,227,748	1,314,422	22.23%
07-08	3,858,602	3,450,253	7,308,855	81,107	1.12%
08-09	* 4,729,031	4,026,475	8,755,506	1,446,651	19.79%
09-10	* 6,447,763	5,380,723	11,828,486	3,072,980	35.10%
10-11	* 5,517,517	4,679,180	10,196,697	(1,631,789)	-13.80%
11-12	* 6,249,753	5,637,204	11,886,957	1,690,260	16.58%
12-13	* 6,709,601	6,214,724	12,924,325	1,037,368	8.73%
13-14	* 7,397,832	6,224,652	13,622,484	698,159	5.40%
14-15	* 7,024,610	5,574,273	12,598,883	(1,023,601)	-7.51%

* Bond Issue Years

This page left blank intentionally.

Budget Details

Pages 1 - 64

This page left blank intentionally.

Departmental Summary of Revenues and Expenses

Summary of Revenues

	FY 2016	FY 2017	\$ Change	% Change
Operations Revenues				
Urban Water	\$ 5,966,000	\$ 6,331,000	365,000	6.12%
Crozet Water	997,000	946,000	(51,000)	-5.12%
Scottsville Water	497,000	391,000	(106,000)	-21.33%
Urban Wastewater	6,592,000	6,837,000	245,000	3.72%
Glenmore Wastewater	300,000	319,000	19,000	6.33%
Scottsville Wastewater	247,000	254,000	7,000	2.83%
Administration	300,000	329,000	29,000	9.67%
Maintenance	5,000	-	(5,000)	
Lab	-	-	-	
Engineering	-	-	-	
Total	\$ 14,904,000	\$ 15,407,000	\$ 503,000	3.37%
Debt Service Revenues				
Urban Water	\$ 5,378,000	\$ 5,500,000	122,000	2.27%
Crozet Water	372,000	579,000	207,000	55.65%
Scottsville Water	92,000	131,000	39,000	42.39%
Urban Wastewater	6,937,000	7,270,000	333,000	4.80%
Glenmore Wastewater	2,000	2,000	-	0.00%
Scottsville Wastewater	10,000	10,000	-	0.00%
Total	\$ 12,791,000	\$ 13,492,000	\$ 701,000	5.48%
Total Revenues	\$ 27,695,000	\$ 28,899,000	\$ 1,204,000	4.35%

Summary of Expenses

	FY 2016	FY 2017	\$ Change	% Change
Operations Expenses				
Urban Water	\$ 4,302,000	\$ 4,556,000	254,000	5.90%
Crozet Water	838,000	778,000	(60,000)	-7.16%
Scottsville Water	394,000	284,000	(110,000)	-27.92%
Urban Wastewater	4,536,000	4,676,000	140,000	3.09%
Glenmore Wastewater	219,000	236,000	17,000	7.76%
Scottsville Wastewater	172,000	178,000	6,000	3.49%
Administration	1,717,000	1,981,000	264,000	15.38%
Maintenance	1,352,000	1,289,000	(63,000)	-4.66%
Lab	345,000	354,000	9,000	2.61%
Engineering	1,031,000	1,077,000	46,000	4.46%
Total	\$ 14,906,000	\$ 15,407,000	\$ 501,000	3.36%
Debt Service Expenses				
Urban Water	\$ 5,376,000	\$ 5,500,000	124,000	2.31%
Crozet Water	372,000	579,000	207,000	55.65%
Scottsville Water	92,000	131,000	39,000	42.39%
Urban Wastewater	6,937,000	7,270,000	333,000	4.80%
Glenmore Wastewater	2,000	2,000	-	0.00%
Scottsville Wastewater	10,000	10,000	-	0.00%
Total	\$ 12,789,000	\$ 13,492,000	\$ 703,000	5.50%
Total Expenses	\$ 27,695,000	\$ 28,899,000	\$ 1,204,000	4.35%

Total Budgetary Surplus/ (Deficit)	\$ -	\$ -	\$ -	\$ -
---	-------------	-------------	-------------	-------------

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 2016	FY 2017	\$ Change	% Change
<u>Water</u>						
(\$ per 1,000 Gallons)						
Operations			\$ 1.713	\$ 1.833	\$ 0.120	7.01%
(\$ Monthly Charge)						
Debt Service	CITY		158,099	162,968	4,869	3.08%
Debt Service	ACSA		279,864	284,031	4,167	1.49%
<u>Wastewater</u>						
(\$ per 1,000 Gallons)						
Operations			\$ 1.789	\$ 1.835	\$ 0.046	2.57%
(\$ Monthly Charge)						
Debt Service	CITY		333,645	369,037	35,392	10.61%
Debt Service	ACSA		232,493	222,280	(10,213)	-4.39%
RURAL RATE CENTERS			FY 2016	FY 2017	\$ Change	% Change
Crozet - (Monthly)						
Operations			\$ 80,391	\$ 76,152	\$ (4,239)	-5.27%
Debt Service			30,939	47,997	17,058	55.13%
Scottsville - (Monthly)						
Operations			\$ 41,360	\$ 32,534	\$ (8,826)	-21.34%
Debt Service			7,652	10,848	3,196	41.77%
Water Total			\$ 160,342	\$ 167,531	\$ 7,189	4.48%
Glenmore - (Monthly)						
Operations			\$ 25,024	\$ 26,562	\$ 1,538	6.15%
Debt Service			187	132	(55)	-29.41%
Scottsville - (Monthly)						
Operations			\$ 20,241	\$ 21,173	\$ 932	4.60%
Debt Service			832	768	(64)	-7.69%
Wastewater Total			\$ 46,284	\$ 48,635	\$ 2,351	5.08%
Total Monthly Rural Charges - ACSA			\$ 206,626	\$ 216,166	\$ 9,540	4.62%

Water Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2016-2017

This page left blank intentionally.

Urban Water Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	9.403			9.403	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$ 1.713			\$ 1.833	7.01%
Revenue	\$ 5,880,602	\$ 2,949,562	\$ 5,899,124	\$ 6,289,813	6.96%
Lease Revenues	31,000	17,827	35,654	31,000	0.00%
Watershed Reserves	44,000	4,082	44,000	-	
Miscellaneous	7,000	9,139	10,000	7,000	0.00%
Interest Allocation	3,100	1,892	3,784	3,100	0.00%
Total Operations Revenues	\$ 5,965,702	\$ 2,982,502	\$ 5,992,562	\$ 6,330,913	6.12%

Projected Expenses

Personnel Cost	\$ 1,554,990	\$ 754,638	\$ 1,502,978	\$ 1,622,389	4.33%
Professional Services	155,000	35,604	168,300	121,400	-21.68%
Other Services and Charges	651,000	226,905	616,927	637,400	-2.09%
Communications	36,270	23,393	67,387	63,920	76.23%
Information Technology	14,500	15,136	30,272	77,400	433.79%
Supplies	7,000	3,208	6,916	7,000	0.00%
Operations and Maintenance	1,514,620	849,650	1,561,613	1,489,260	-1.67%
Equipment Purchases	108,500	105,297	135,228	108,500	0.00%
Depreciation & Reserves	260,000	130,000	260,000	428,563	64.83%
Subtotal Before Allocations	\$ 4,301,880	\$ 2,143,831	\$ 4,349,621	\$ 4,555,832	5.90%
Allocation of Support Departments	1,663,822	828,520	1,680,809	1,775,081	6.69%
Total Operations Expenses	\$ 5,965,702	\$ 2,972,351	\$ 6,030,430	\$ 6,330,913	6.12%

Operations Cost per 1000 gallons \$1.738 \$1.845 6.16%

Debt Service Budget

Projected Revenue

Debt Service Rates		158,099		162,968	3.08%
	CITY	279,864		284,031	1.49%
	ACSA				
Debt Service Rate Revenue - CITY	\$ 1,897,186	\$ 991,334	\$ 1,939,927	\$ 1,955,614	3.08%
Debt Service Rate Revenue - ACSA	3,358,366	1,786,586	3,465,769	3,408,375	1.49%
Trust Fund Interest	5,890	7,882	15,764	15,700	166.55%
Reserve Fund Interest	25,000	22,453	44,906	44,000	76.00%
Buck Mt Surcharge	89,000	39,500	79,000	75,100	-15.62%
Lease Revenue	1,600	654	1,308	1,600	0.00%
Total Debt Service Revenue	\$ 5,377,042	\$ 2,848,409	\$ 5,546,674	\$ 5,500,389	2.29%

Principal, Interest & Reserves

Total Principal & Interest	\$ 3,147,259	1,573,630	\$ 3,147,260	\$ 4,534,089	44.06%
Reserve Additions-Interest	25,000	22,453	44,906	44,000	76.00%
Debt Service Ratio Charge	125,000	62,500	125,000	285,000	128.00%
Est. New Debt Service - CIP growth	2,079,200	1,039,600	2,079,200	637,300	-69.35%
Total Debt Principal and Interest	\$ 5,376,459	\$ 2,698,183	\$ 5,396,366	\$ 5,500,389	2.31%

Rate Center Summary

Total Revenues	\$ 11,342,744	\$ 5,830,911	\$ 11,539,236	\$ 11,831,302	4.31%
Total Expenses	11,342,161	5,670,534	11,426,796	11,831,302	4.31%
Surplus/ (Deficit)	\$ 583	\$ 160,377	\$ 112,440	\$ -	

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 1,049,885	\$ 495,549	\$ 991,098	\$ 1,094,683	\$ 44,798	4.27%
11010	Overtime & Holiday Pay	85,000	52,539	105,078	85,000	-	0.00%
12010	FICA	86,819	40,400	80,800	90,246	3,427	3.95%
12020	Health Insurance	160,400	75,068	150,136	182,411	22,011	13.72%
12026	EAP & OPEB	300	137	274	300	-	0.00%
12030	Retirement	110,028	49,862	99,724	105,709	(4,319)	-3.93%
12040	Life Insurance	13,858	5,603	11,206	14,340	482	3.48%
12050	Fitness Program	2,000	1,825	3,650	2,000	-	0.00%
12060	Worker's Comp Insurance	18,700	13,242	17,656	18,700	-	0.00%
	Subtotal	\$ 1,526,990	\$ 734,225	\$ 1,459,622	\$ 1,593,389	\$ 66,399	4.35%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 3,000	\$ 235	\$ 3,000	\$ 2,000	\$ (1,000)	-33.33%
13150	Education & Training	10,000	10,131	20,262	12,000	2,000	20.00%
13200	Travel & Lodging	4,000	3,649	7,298	4,000	-	0.00%
13250	Uniforms	10,000	4,612	9,224	10,000	-	0.00%
13325	Recruiting & Medical Testing	500	126	252	500	-	0.00%
13350	Other	500	1,660	3,320	500	-	0.00%
	Subtotal	\$ 28,000	\$ 20,413	\$ 43,356	\$ 29,000	\$ 1,000	3.57%
Professional Services							
20100	Legal Fees	\$ 5,000	\$ 9,150	\$ 18,300	\$ 5,000	\$ -	0.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering & Technical Services	150,000	26,454	150,000	116,400	(33,600)	-22.40%
	Subtotal	\$ 155,000	\$ 35,604	\$ 168,300	\$ 121,400	\$ (33,600)	-21.68%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 30,000	\$ 31,883	\$ 31,883	\$ 33,900	\$ 3,900	13.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	80,000	14,800	74,600	75,000	(5,000)	-6.25%
21252	EMS Programs/Supplies	500	39	78	500	-	0.00%
21253	Safety Programs/Supplies	2,500	8,988	17,976	5,000	2,500	100.00%
21300	Authority Dues/Permits/Fees	8,000	7,616	15,232	8,000	-	0.00%
21350	Laboratory Analysis	55,000	23,066	46,132	55,000	-	0.00%
21400	Utilities	450,000	138,753	427,506	440,000	(10,000)	-2.22%
21420	General Other Services	25,000	1,760	3,520	20,000	(5,000)	-20.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 651,000	\$ 226,905	\$ 616,927	\$ 637,400	\$ (13,600)	-2.09%
Communication							
22000	Radio	\$ 3,870	\$ 5,215	\$ 5,215	\$ 4,420	\$ 550	14.21%
22150	Telephone & Data Service	25,900	14,592	55,000	52,000	26,100	100.77%
22200	Cell Phones & Pagers	6,500	3,586	7,172	7,500	1,000	15.38%
	Subtotal	\$ 36,270	\$ 23,393	\$ 67,387	\$ 63,920	\$ 27,650	76.23%
Information Technology							
31000	Computer Hardware	\$ 7,000	\$ 5,067	\$ 10,134	\$ 8,500	\$ 1,500	21.43%
31150	SCADA Maint. & Support	-	-	-	66,400	66,400	na
31200	Maintenance & Support Services	5,000	9,435	18,870	-	(5,000)	-100.00%
31250	Software Purchases	2,500	634	1,268	2,500	-	0.00%
	Subtotal	\$ 14,500	\$ 15,136	\$ 30,272	\$ 77,400	\$ 62,900	433.79%
Supplies							
33000	Office Supplies	\$ 3,000	\$ 2,006	\$ 4,012	\$ 3,000	\$ -	0.00%
33150	Subscriptions/Reference Material	1,000	-	500	1,000	-	0.00%
33350	Postage & Delivery	3,000	1,202	2,404	3,000	-	0.00%
	Subtotal	\$ 7,000	\$ 3,208	\$ 6,916	\$ 7,000	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 80,000	\$ 42,601	\$ 85,202	\$ 110,000	\$ 30,000	37.50%
41150	Building & Land Lease	32,500	32,313	32,313	32,500	-	0.00%
41200	Pump Station Maintenance	10,000	522	5,000	10,000	-	0.00%
41300	Dam Maintenance	40,000	49,105	73,210	62,200	22,200	55.50%
41350	Pipeline/Appurtenances	88,640	192,516	215,000	111,560	22,920	25.86%
41400	Materials & Supplies	54,000	26,313	52,626	54,000	-	0.00%
41450	Chemicals	825,000	373,133	771,266	775,000	(50,000)	-6.06%
41500	Vehicle Maintenance	5,000	7,552	15,104	5,000	-	0.00%
41550	Equipment Maint. & Repair	250,000	82,149	200,000	200,000	(50,000)	-20.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Urban Water

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41600	Instrumentation	16,300	11,143	22,286	21,000	4,700	28.83%
41650	Fuel & Lubricants	23,180	8,986	17,972	18,000	(5,180)	-22.35%
41700	General Other Maintenance	90,000	23,317	71,634	90,000	-	0.00%
Subtotal		\$ 1,514,620	\$ 849,650	\$ 1,561,613	\$ 1,489,260	\$ (25,360)	-1.67%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 19,000	\$ 31,583	\$ 40,000	\$ 19,000	\$ -	0.00%
81200	Rental & Leases	2,500	114	228	2,500	-	0.00%
81250	Equipment (over \$5000)	72,000	66,100	80,000	72,000	-	0.00%
81300	Vehicle Replacement Fund	15,000	7,500	15,000	15,000	-	0.00%
Subtotal		\$ 108,500	\$ 105,297	\$ 135,228	\$ 108,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 623,467	\$ 305,993	\$ 638,944	\$ 726,864	\$ 103,397	16.58%
95300	Engineering Allocation	484,436	251,850	490,443	505,957	21,521	4.44%
95150	Maintenance Allocation	404,112	197,219	394,438	386,656	(17,456)	-4.32%
95200	Laboratory Allocation	151,807	73,458	156,984	155,604	3,797	2.50%
Subtotal		\$ 1,663,822	\$ 828,520	\$ 1,680,809	\$ 1,775,081	\$ 111,259	6.69%
	Reserve Transfers-GAC Carbon	\$ -	\$ -	\$ -	\$ 168,563	\$ 168,563	
	Depreciation	260,000	130,000	260,000	260,000	-	0.00%
Subtotal		\$ 260,000	\$ 130,000	\$ 260,000	\$ 428,563	\$ 168,563	64.83%
Total		\$ 5,965,702	\$ 2,972,351	\$ 6,030,430	\$ 6,330,913	\$ 365,211	6.12%

This page left blank intentionally.

Crozet Water Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	0.475			0.500	5.26%

Operations Budget

Projected Revenues

Operations Rate (monthly)									
	\$	80,391		\$	76,152 -5.27%				
Revenue	\$	964,692	\$	482,346	\$	964,692	\$	913,824	-5.27%
Leases		32,000		16,827		33,654		32,000	0.00%
Interest Allocation		400		251		502		400	0.00%
Total Operations Revenues	\$	997,092	\$	499,424	\$	998,848	\$	946,224	-5.10%

Projected Revenues

Personnel Cost	\$	263,327	\$	126,420	\$	251,270	\$	267,513	1.59%
Professional Services		73,900		13,000		73,900		76,700	3.79%
Other Services and Charges		74,150		40,915		79,791		88,200	18.95%
Communications		3,950		2,268		3,947		4,000	1.27%
Information Technology		2,300		500		2,000		14,200	517.39%
Supplies		760		70		340		760	0.00%
Operations and Maintenance		354,400		97,742		353,916		259,000	-26.92%
Equipment Purchases		45,450		2,860		45,720		35,450	-22.00%
Depreciation		20,000		10,000		20,000		32,000	60.00%
Subtotal Before Allocations	\$	838,237	\$	293,775	\$	830,884	\$	777,823	-7.21%
Allocations of Support Departments		158,855		78,939		160,115		168,395	6.01%
Total Operations Expenses	\$	997,092	\$	372,714	\$	990,999	\$	946,218	-5.10%

Operations Cost per 1000 gallons		\$5.751		\$5.185		-9.84%
----------------------------------	--	---------	--	---------	--	--------

Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly									
	\$	30,939		\$	47,997 55.13%				
Debt Service Rate Revenue - ACSA	\$	371,268	\$	185,634	\$	371,268	\$	575,964	55.13%
Trust Fund Interest		700		909		1,818		1,800	157.14%
Reserve Fund Interest		500		557		1,114		1,100	120.00%
Total Debt Service Revenue	\$	372,468	\$	187,100	\$	374,200	\$	578,864	55.41%

Principal, Interest & Reserves

Total Principal & Interest - Existing	\$	359,889	\$	179,945		359,890	\$	431,461	19.89%
Estimated New Principal & Interest		12,077		6,039		12,078		146,300	
Reserve Additions-Interest		500		557		1,114		1,100	120.00%
Total Debt Principal and Interest	\$	372,466	\$	186,541	\$	373,082	\$	578,861	55.41%

Rate Center Summary

Total Revenues	\$	1,369,560	\$	686,524	\$	1,373,048	\$	1,525,088	11.36%
Total Expenses		1,369,558		559,255		1,364,081		1,525,079	11.36%
Surplus/ (Deficit)	\$	2	\$	127,269	\$	8,967	\$	9	
Rates - (Monthly)									
ACSA	\$	111,330					\$	124,149	11.51%

Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail

Rate Center: Crozet Water

Object Code	Line Item	Current Year Activity			Adopted Budget FY 2016-2017	2016	2016
		Adopted Budget FY 2015-2016	Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 175,388	\$ 82,713	\$ 165,426	\$ 176,549	\$ 1,161	0.66%
11000	Overtime & Holiday Pay	18,000	9,051	18,102	18,000	-	0.00%
12010	FICA	14,794	6,769	13,538	14,883	89	0.60%
12020	Health Insurance	27,200	12,766	25,532	29,894	2,694	9.90%
12026	EAP & OPEB	50	23	46	50	-	0.00%
12030	Retirement	18,240	8,313	16,626	16,984	(1,256)	-6.89%
12040	Life Insurance	2,315	936	1,872	2,313	(2)	-0.09%
12050	Fitness Program	400	304	608	400	-	0.00%
12060	Worker's Comp Insurance	3,300	2,355	3,140	3,300	-	0.00%
	Subtotal	\$ 259,687	\$ 123,230	\$ 244,890	\$ 262,373	\$ 2,686	1.03%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 250	\$ 33	\$ 66	\$ 250	\$ -	0.00%
13150	Education & Training	1,500	1,621	3,242	3,000	1,500	100.00%
13200	Travel & Lodging	500	444	888	500	-	0.00%
13250	Uniforms	1,300	791	1,582	1,300	-	0.00%
13325	Recruiting & Medical Testing	40	22	44	40	-	0.00%
13350	Other	50	279	558	50	-	0.00%
	Subtotal	\$ 3,640	\$ 3,190	\$ 6,380	\$ 5,140	\$ 1,500	41.21%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering & Technical Services	73,900	13,000	73,900	76,700	2,800	3.79%
	Subtotal	\$ 73,900	\$ 13,000	\$ 73,900	\$ 76,700	\$ 2,800	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 2,100	\$ 2,039	\$ 2,039	\$ 2,150	\$ 50	2.38%
21150	Advertising & Communication	100	-	-	100	-	0.00%
21250	Watershed Management	100	-	-	100	-	0.00%
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	50	1,439	2,878	50	-	0.00%
21300	Authority Dues/Permits/Fees	2,500	412	824	2,500	-	0.00%
21350	Laboratory Analysis	13,000	6,057	12,114	19,500	6,500	50.00%
21400	Utilities	52,500	30,968	61,936	60,000	7,500	14.29%
21420	General Other Services	3,800	-	-	3,800	-	0.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 74,150	\$ 40,915	\$ 79,791	\$ 88,200	\$ 14,050	18.95%
Communication							
22000	Radio	\$ 350	\$ 589	\$ 589	\$ 400	\$ 50	14.29%
22150	Telephone & Data Service	2,800	1,328	2,656	2,800	-	0.00%
22200	Cell Phones & Pagers	800	351	702	800	-	0.00%
	Subtotal	\$ 3,950	\$ 2,268	\$ 3,947	\$ 4,000	\$ 50	1.27%
Information Technology							
31000	Computer Hardware	\$ 1,000	\$ -	\$ 1,000	\$ 1,000	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	12,400	12,400	na
31200	Maintenance & Support Services	1,100	403	806	-	(1,100)	-
31250	Software Purchases	200	97	194	800	600	-
	Subtotal	\$ 2,300	\$ 500	\$ 2,000	\$ 14,200	\$ 11,900	517.39%
Supplies							
33000	Office Supplies	\$ 400	\$ -	\$ 100	\$ 400	\$ -	0.00%
33150	Subscriptions/Reference Material	100	-	100	100	-	0.00%
33350	Postage & Delivery	260	70	140	260	-	0.00%
	Subtotal	\$ 760	\$ 70	\$ 340	\$ 760	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 51,800	\$ 19,605	\$ 50,000	\$ 10,000	\$ (41,800)	-80.69%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	5,000	5,000	-
41350	Pipeline/Appurtenances	5,000	178	356	5,000	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Crozet Water

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41400	Materials & Supplies	3,000	2,373	4,746	3,000	-	0.00%
41450	Chemicals	115,000	62,967	125,934	115,000	-	0.00%
41500	Vehicle Maintenance	1,000	240	480	1,000	-	0.00%
41550	Equipment Maint. & Repair	150,000	12,147	150,000	90,000	(60,000)	-40.00%
41600	Instrumentation	1,600	58	1,600	3,000	1,400	
41650	Fuel & Lubricants	7,000	174	800	7,000	-	0.00%
41700	General Other Maintenance	20,000	-	20,000	20,000	-	0.00%
Subtotal		\$ 354,400	\$ 97,742	\$ 353,916	\$ 259,000	\$ (95,400)	-26.92%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ 2,135	\$ 4,270	\$ 4,000	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	
81250	Equipment (over \$5000)	40,000	-	40,000	30,000	(10,000)	-25.00%
81300	Vehicle Replacement Fund	1,450	725	1,450	1,450	-	0.00%
Subtotal		\$ 45,450	\$ 2,860	\$ 45,720	\$ 35,450	\$ (10,000)	-22.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 56,679	\$ 27,818	\$ 58,086	\$ 66,079	\$ 9,400	16.58%
95300	Engineering Allocation	41,229	21,434	41,740	43,060	1,831	4.44%
95150	Maintenance Allocation	47,146	23,009	46,018	45,110	(2,036)	-4.32%
95200	Laboratory Allocation	13,801	6,678	14,271	14,146	345	2.50%
Subtotal		\$ 158,855	\$ 78,939	\$ 160,115	\$ 168,395	\$ 9,540	6.01%
	Reserve Transfers-GAC Carbon	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	
	Depreciation	20,000	10,000	20,000	20,000	-	0.00%
Subtotal		\$ 20,000	\$ 10,000	\$ 20,000	\$ 32,000	\$ 12,000	60.00%
Total		\$ 997,092	\$ 372,714	\$ 990,999	\$ 946,218	\$ (50,874)	-5.10%

This page left blank intentionally.

Scottsville Water Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	0.058			0.052	-10.34%

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$		\$	\$	\$	
Revenue	41,360		32,534			-21.34%
Interest Allocation	496,320	\$ 248,160	496,320	\$ 390,408		-21.34%
	200	129	258	250		25.00%
Total Operations Revenues	\$ 496,520	\$ 248,289	\$ 496,578	\$ 390,658		-21.32%

Projected Expenses

Personnel Cost	\$ 186,022	\$ 89,486	\$ 177,882	\$ 140,811		-24.30%
Professional Services	17,600	4,267	8,534	15,300		-13.07%
Other Services and Charges	24,700	8,717	16,468	23,500		-4.86%
Communications	2,450	1,776	3,074	2,900		18.37%
Information Technology	1,900	117	234	7,000		268.42%
Supplies	750	-	-	750		0.00%
Operations and Maintenance	59,600	24,549	66,370	61,700		3.52%
Equipment Purchases	83,500	9,720	81,480	13,700		-83.59%
Depreciation	17,000	8,500	17,000	18,250		7.35%
Subtotal Before Allocations	\$ 393,522	\$ 147,132	\$ 371,042	\$ 283,911		-27.85%
Allocations of Support Departments	102,999	50,974	103,067	106,752		3.64%
Total Operations Expenses	\$ 496,521	\$ 198,106	\$ 474,109	\$ 390,663		-21.32%

Operations Cost per 1000 gallons	\$23.454		\$20.583		-12.24%
----------------------------------	----------	--	----------	--	---------

Debt Service Budget

Projected Revenue

Debt Service Rates - Monthly	\$		\$	\$	
Debt Service Rate Revenue - ACSA	7,652		10,848		41.77%
Trust Fund Interest	91,819	\$ 45,912	91,824	\$ 130,181	41.78%
Reserve Fund Interest	170	227	454	450	164.71%
	100	257	514	500	400.00%
Total Debt Service Revenue	\$ 92,089	\$ 46,396	\$ 92,792	\$ 131,131	42.40%

Principal, Interest & Reserves

Total Principal & Interest	\$ 91,771	\$ 45,886	\$ 91,772	\$ 130,631	42.34%
Estimated New Principal & Interest	218	109	218	-	-100.00%
Reserve Additions-Interest	100	257	514	500	400.00%
Total Debt Principal and Interest	\$ 92,089	\$ 46,252	\$ 92,504	\$ 131,131	42.40%

Rate Center Summary					
Total Revenues	\$ 588,609	\$ 294,685	\$ 589,370	\$ 521,789	-11.35%
Total Expenses	588,610	244,358	566,613	521,794	-11.35%
Surplus/ (Deficit)	\$ (1)	\$ 50,327	\$ 22,757	\$ (5)	
Rates - Monthly					
ACSA	\$ 49,012			\$ 43,382	-11.49%

Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity			Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016			vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits								
10000	Salaries	\$ 125,146	\$ 58,524	\$ 117,048	\$ 91,038	\$ (34,108)	-27.25%	
11010	Overtime & Holiday Pay	10,000	6,465	12,930	10,000	-	0.00%	
12010	FICA	10,339	4,795	9,590	7,729	(2,610)	-25.24%	
12020	Health Insurance	19,500	9,084	18,168	15,423	(4,077)	-20.91%	
12026	EAP & OPEB	40	17	34	40	-	0.00%	
12030	Retirement	13,115	5,880	11,760	8,758	(4,357)	-33.22%	
12040	Life Insurance	1,652	662	1,324	1,193	(459)	-27.78%	
12050	Fitness Program	200	215	430	200	-	0.00%	
12060	Worker's Comp Insurance	2,300	1,635	2,180	2,300	-	0.00%	
	Subtotal	\$ 182,292	\$ 87,277	\$ 173,464	\$ 136,681	\$ (45,611)	-25.02%	
Other Personnel Costs								
13100	Employee Dues & Licenses	\$ 180	\$ 22	\$ 44	\$ 180	\$ -	0.00%	
13150	Education & Training	1,000	1,140	2,280	2,000	1,000	100.00%	
13200	Travel & Lodging	300	278	556	600	300	100.00%	
13250	Uniforms	1,200	554	1,108	1,200	-	0.00%	
13325	Recruiting & Medical Testing	1,000	15	30	100	(900)	-90.00%	
13350	Other	50	200	400	50	-	0.00%	
	Subtotal	\$ 3,730	\$ 2,209	\$ 4,418	\$ 4,130	\$ 400	10.72%	
Professional Services								
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-	
20200	Financial & Admin. Services	-	-	-	-	-	-	
20300	Engineering & Technical Services	17,600	4,267	8,534	15,300	(2,300)	-13.07%	
	Subtotal	\$ 17,600	\$ 4,267	\$ 8,534	\$ 15,300	\$ (2,300)		
Other Services and Charges								
21100	General Liability/Property Ins.	\$ 1,000	\$ 966	\$ 966	\$ 1,000	\$ -	0.00%	
21150	Advertising & Communication	-	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	-	
21253	Safety Programs/Supplies	200	349	698	700	500	250.00%	
21300	Authority Dues/Permits/Fees	1,200	412	824	1,200	-	0.00%	
21350	Laboratory Analysis	9,000	2,176	4,352	9,000	-	0.00%	
21400	Utilities	10,000	4,814	9,628	9,600	(400)	-4.00%	
21420	General Other Services	3,300	-	-	2,000	(1,300)	-39.39%	
21430	Governance Support	-	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	-	
	Subtotal	\$ 24,700	\$ 8,717	\$ 16,468	\$ 23,500	\$ (1,200)	-4.86%	
Communication								
22000	Radio	\$ 350	\$ 478	\$ 478	\$ 400	\$ 50	14.29%	
22150	Telephone & Data Service	1,800	954	1,908	1,900	100	5.56%	
22200	Cell Phones & Pagers	300	344	688	600	300	100.00%	
	Subtotal	\$ 2,450	\$ 1,776	\$ 3,074	\$ 2,900	\$ 450	18.37%	
Information Technology								
31000	Computer Hardware	\$ 600	\$ -	\$ -	\$ 600	\$ -	0.00%	
31150	SCADA Maint. & Support	-	-	-	6,200	6,200	na	
31200	Maintenance & Support Services	1,100	-	-	-	(1,100)	-	
31250	Software Purchases	200	117	234	200	-	0.00%	
	Subtotal	\$ 1,900	\$ 117	\$ 234	\$ 7,000	\$ 5,100	268.42%	
Supplies								
33000	Office Supplies	\$ 300	\$ -	\$ -	\$ 300	\$ -	0.00%	
33150	Subscriptions/Reference Material	100	-	-	100	-	0.00%	
33350	Postage & Delivery	350	-	-	350	-	0.00%	
	Subtotal	\$ 750	\$ -	\$ -	\$ 750	\$ -	0.00%	
Operation & Maintenance								
41000	Building & Grounds	\$ 6,000	\$ 5,190	\$ 10,380	\$ 9,000	\$ 3,000	50.00%	
41150	Building & Land Lease	-	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	-	
41300	Dam Maintenance	1,500	-	1,500	1,500	-	0.00%	
41350	Pipeline/Appurtenances	1,000	-	-	100	(900)	-90.00%	
41400	Materials & Supplies	1,000	2,740	5,480	3,000	2,000	200.00%	

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Scottsville Water

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41450	Chemicals	18,000	6,051	16,000	16,000	(2,000)	-11.11%
41500	Vehicle Maintenance	700	1,390	2,780	700	-	0.00%
41550	Equipment Maint. & Repair	15,000	1,563	15,000	15,000	-	0.00%
41600	Instrumentation	3,000	1,616	3,232	3,000	-	0.00%
41650	Fuel & Lubricants	1,400	886	1,772	1,400	-	0.00%
41700	General Other Maintenance	12,000	5,113	10,226	12,000	-	0.00%
Subtotal		\$ 59,600	\$ 24,549	\$ 66,370	\$ 61,700	\$ 2,100	3.52%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 2,000	\$ 240	\$ 480	\$ 200	\$ (1,800)	-90.00%
81200	Rental & Leases	500	-	-	500	-	0.00%
81250	Equipment (over \$5000)	80,000	8,980	80,000	12,000	(68,000)	-85.00%
81300	Vehicle Replacement Fund	1,000	500	1,000	1,000	-	0.00%
Subtotal		\$ 83,500	\$ 9,720	\$ 81,480	\$ 13,700	\$ (69,800)	-83.59%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 28,339	\$ 13,909	\$ 29,043	\$ 33,039	\$ 4,700	16.58%
95300	Engineering Allocation	20,614	10,717	20,870	21,530	916	4.44%
95150	Maintenance Allocation	47,146	23,009	46,018	45,110	(2,036)	-4.32%
95200	Laboratory Allocation	6,900	3,339	7,136	7,073	173	2.51%
Subtotal		\$ 102,999	\$ 50,974	\$ 103,067	\$ 106,752	\$ 3,753	3.64%
	Reserve Transfers-GAC Carbon	\$ -	\$ -	\$ -	\$ 1,250	\$ -	
	Depreciation	17,000	8,500	17,000	17,000	-	0.00%
Subtotal		\$ 17,000	\$ 8,500	\$ 17,000	\$ 18,250	\$ -	0.00%
Total		\$ 496,521	\$ 198,106	\$ 474,109	\$ 390,663	\$ (107,108)	-21.57%

This page left blank intentionally.

Wastewater Rate Centers

Rivanna Water and Sewer Authority

Fiscal Year 2016-2017

This page left blank intentionally.

Urban Wastewater Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	9.383			9.383	0.00%

Operations Budget

Projected Revenues

Operations Rate	\$	1.789		\$	1.835	2.57%
Revenue	\$	6,126,623	\$ 3,354,137	\$ 6,708,274	\$ 6,283,199	2.56%
Stone Robinson WWTP		26,847	10,115	20,230	27,027	0.67%
Septage Acceptance		340,000	206,131	412,262	390,000	14.71%
Nutrient Credits		85,000	123,605	123,605	123,000	44.71%
Miscellaneous Revenue		10,000	16,501	16,501	10,000	0.00%
Interest Allocation		4,000	2,143	4,286	4,000	0.00%
Total Operations Revenues	\$	6,592,470	\$ 3,712,632	\$ 7,285,158	\$ 6,837,226	3.71%

Projected Expenses

Personnel Cost	\$	1,172,128	\$ 554,650	\$ 1,104,075	\$ 1,204,156	2.73%
Professional Services		44,000	19,596	39,192	54,000	22.73%
Other Services and Charges		1,344,000	779,174	1,486,776	1,385,400	3.08%
Communications		8,570	7,010	10,302	9,120	6.42%
Information Technology		18,750	8,844	17,688	60,600	223.20%
Supplies		2,450	954	1,908	2,450	0.00%
Operations and Maintenance		1,431,175	735,819	1,696,638	1,445,980	1.03%
Equipment Purchases		49,500	25,276	56,552	49,500	0.00%
Depreciation & Reserves		465,000	232,500	465,000	465,000	0.00%
Subtotal before allocations	\$	4,535,573	\$ 2,363,823	\$ 4,878,131	\$ 4,676,206	3.10%
Allocations of Support Depts.		2,056,897	1,019,481	2,066,715	2,161,020	5.06%
Total Operations Expenses	\$	6,592,470	\$ 3,383,304	\$ 6,944,846	\$ 6,837,226	3.71%

Operations Cost per 1000 gallons \$1.925 \$1.996 3.69%

Debt Service Budget

Projected Revenue

Debt Service Rate	CITY	333,645			369,037	10.61%
	ACSA	232,493			222,280	-4.39%
Debt Service Rate Revenue - CITY	\$	4,003,745	\$ 2,085,837	\$ 4,087,710	\$ 4,428,448	10.61%
Debt Service Rate Revenue - ACSA		2,789,917	1,513,163	2,908,122	2,667,355	-4.39%
County MOU - Septage		109,440	109,441	109,441	109,440	0.00%
Trust Fund Interest		10,100	13,447	26,894	26,800	165.35%
Reserve Fund Interest		23,000	19,282	38,564	38,000	65.22%
Total Debt Service Revenue	\$	6,936,202	\$ 3,741,170	\$ 7,170,731	\$ 7,270,043	4.81%

Principal, Interest & Reserves

Total Principal & Interest	\$	5,384,116	\$ 2,692,058	\$ 5,384,116	\$ 6,421,044	19.26%
Reserve Additions-Interest		23,000	19,282	38,564	38,000	65.22%
Debt Service Ratio charge		225,000	112,500	225,000	325,000	44.44%
Est. New Debt Service - CIP growth		1,305,300	652,650	1,305,300	486,000	-62.77%
Total Debt Principal and Interest	\$	6,937,416	\$ 3,476,490	\$ 6,952,980	\$ 7,270,044	4.79%

Rate Center Summary

Total Revenues	\$	13,528,672	\$ 7,453,802	\$ 14,455,889	\$ 14,107,269	4.28%
Total Expenses		13,529,886	6,859,794	13,897,826	14,107,270	4.27%
Surplus/ (Deficit)	\$	(1,214)	\$ 594,008	\$ 558,063	\$ (1)	

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 811,507	\$ 353,366	\$ 706,732	\$ 826,905	\$ 15,398	1.90%
11010	Overtime & Holiday Pay	45,000	52,920	105,840	45,000	-	0.00%
12010	FICA	65,523	29,279	58,558	66,701	1,178	1.80%
12020	Health Insurance	126,400	56,728	113,456	144,630	18,230	14.42%
12026	EAP & OPEB	240	104	208	240	-	0.00%
12030	Retirement	85,046	35,937	71,874	79,948	(5,098)	-5.99%
12040	Life Insurance	10,712	4,037	8,074	10,832	120	1.12%
12050	Fitness Program	1,000	190	380	1,000	-	0.00%
12060	Worker's Comp Insurance	11,000	7,837	10,449	11,000	-	0.00%
	Subtotal	\$ 1,156,428	\$ 540,398	\$ 1,075,571	\$ 1,186,256	\$ 29,828	2.58%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 2,700	\$ 1,692	\$ 3,384	\$ 2,700	\$ -	0.00%
13150	Education & Training	5,000	3,056	6,112	5,000	-	0.00%
13200	Travel & Lodging	1,800	4,711	9,422	4,000	2,200	122.22%
13250	Uniforms	5,200	3,850	7,700	5,200	-	0.00%
13325	Recruiting & Medical Testing	500	392	784	500	-	0.00%
13350	Other	500	551	1,102	500	-	0.00%
	Subtotal	\$ 15,700	\$ 14,252	\$ 28,504	\$ 17,900	\$ 2,200	14.01%
20100	Professional Services						
20100	Legal Fees	\$ 4,000	\$ -	\$ -	\$ 4,000	\$ -	0.00%
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering & Technical Services	40,000	19,596	39,192	50,000	10,000	25.00%
	Subtotal	\$ 44,000	\$ 19,596	\$ 39,192	\$ 54,000	\$ 10,000	
21100	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 75,000	\$ 71,572	\$ 71,572	\$ 75,900	\$ 900	1.20%
21150	Advertising & Communication	-	-	-	1,500	1,500	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	39	78	-	-	-
21253	Safety Programs/Supplies	7,000	5,480	10,960	11,000	4,000	57.14%
21300	Authority Dues/Permits/Fees	31,000	18,352	36,704	31,000	-	0.00%
21350	Laboratory Analysis	9,000	15,279	30,558	9,000	-	0.00%
21400	Utilities	725,000	371,255	742,510	725,000	-	0.00%
21420	General Other Services	497,000	297,197	594,394	532,000	35,000	7.04%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 1,344,000	\$ 779,174	\$ 1,486,776	\$ 1,385,400	\$ 41,400	3.08%
22000	Communication						
22100	Radio	\$ 3,170	\$ 3,718	\$ 3,718	\$ 3,620	\$ 450	14.20%
22150	Telephone & Data Service	2,000	791	1,582	2,000	-	0.00%
22200	Cell Phones & Pagers	3,400	2,501	5,002	3,500	100	2.94%
	Subtotal	\$ 8,570	\$ 7,010	\$ 10,302	\$ 9,120	\$ 550	6.42%
31000	Information Technology						
31100	Computer Hardware	\$ 6,000	\$ 2,213	\$ 4,426	\$ 7,200	\$ 1,200	20.00%
31150	SCADA Maint. & Support	-	-	-	52,800	52,800	na
31200	Maintenance & Support Services	12,000	6,280	12,560	-	(12,000)	-100.00%
31250	Software Purchases	750	351	702	600	(150)	-20.00%
	Subtotal	\$ 18,750	\$ 8,844	\$ 17,688	\$ 60,600	\$ 41,850	223.20%
33000	Supplies						
33100	Office Supplies	\$ 1,500	\$ 707	\$ 1,414	\$ 1,500	\$ -	0.00%
33150	Subscriptions/Reference Material	750	-	-	750	-	0.00%
33350	Postage & Delivery	200	247	494	200	-	0.00%
	Subtotal	\$ 2,450	\$ 954	\$ 1,908	\$ 2,450	\$ -	0.00%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 31,400	\$ 24,365	\$ 48,730	\$ 31,400	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	117,475	51,872	103,744	112,010	(5,465)	-4.65%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	81,400	73,336	346,672	186,370	104,970	128.96%
41400	Materials & Supplies	21,800	15,052	30,104	21,800	-	0.00%
41450	Chemicals	800,000	356,775	738,550	750,000	(50,000)	-6.25%
41500	Vehicle Maintenance	8,000	5,133	10,266	8,000	-	0.00%
41550	Equipment Maint. & Repair	281,300	197,901	395,802	296,600	15,300	5.44%
41600	Instrumentation	39,800	13,683	27,366	39,800	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Urban Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41650	Fuel & Lubricants	70,000	16,016	32,032	30,000	(40,000)	-57.14%
41700	General Other Maintenance	(20,000)	(18,314)	(36,628)	(30,000)	(10,000)	-50.00%
Subtotal		\$ 1,431,175	\$ 735,819	\$ 1,696,638	\$ 1,445,980	\$ 14,805	1.03%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ -	\$ 4,000	\$ 4,000	\$ -	0.00%
81200	Rental & Leases	5,000	8,026	12,052	5,000	-	0.00%
81250	Equipment (over \$5000)	6,000	-	6,000	6,000	-	0.00%
81300	Vehicle Replacement Fund	34,500	17,250	34,500	34,500	-	0.00%
Subtotal		\$ 49,500	\$ 25,276	\$ 56,552	\$ 49,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 680,146	\$ 333,810	\$ 697,030	\$ 792,943	\$ 112,797	16.58%
95300	Engineering Allocation	453,515	235,774	459,138	473,662	20,147	4.44%
95150	Maintenance Allocation	761,078	371,430	742,860	728,202	(32,876)	-4.32%
95200	Laboratory Allocation	162,158	78,467	167,687	166,213	4,055	2.50%
Subtotal		\$ 2,056,897	\$ 1,019,481	\$ 2,066,715	\$ 2,161,020	\$ 104,123	5.06%
	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		\$ 6,592,470	\$ 3,383,304	\$ 6,944,846	\$ 6,837,226	\$ 244,756	3.71%

This page left blank intentionally.

Glenmore Wastewater Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	0.124			0.119	

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$	25,024		\$	26,562	6.15%			
Revenue	\$	300,288	\$	150,144	\$	300,288	\$	318,744	6.15%
Interest Allocation		175		97		194		175	0.00%
Total Operations Revenues	\$	300,463	\$	150,241	\$	300,482	\$	318,919	6.14%

Projected Expenses

Personnel Cost	\$	81,556	\$	38,015	\$	75,674	\$	83,791	2.74%
Professional Services		-		1,364		2,728		-	
Other Services and Charges		26,550		20,702		38,310		31,370	18.15%
Communications		2,250		2,807		5,248		3,630	61.33%
Information Technology		850		344		688		1,900	123.53%
Supplies		100		-		-		100	0.00%
Operations and Maintenance		101,600		44,520		100,610		109,440	7.72%
Equipment Purchases		2,600		1,050		2,100		2,600	0.00%
Depreciation		3,000		1,500		3,000		3,000	0.00%
Subtotal before allocations	\$	218,506	\$	110,302	\$	228,358	\$	235,831	7.93%
Allocations of Support Depts.		81,952		40,505		81,543		83,083	1.38%
Total Operations Expenses	\$	300,458	\$	150,807	\$	309,901	\$	318,914	6.14%

Operations Cost per 1000 gallons \$6.638 \$7.342

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)	\$	187		\$	132	-29.41%			
Debt Service Rate Revenue - ACSA	\$	2,246	\$	1,122	\$	2,244	\$	1,582	-29.56%
Trust Fund Interest		-		-		-		-	
Reserve Fund Interest		200		214		428		400	100.00%
Total Debt Service Revenue	\$	2,446	\$	1,336	\$	2,672	\$	1,982	-18.97%

Principal, Interest & Reserves

Total Principal & Interest	\$	2,246	\$	1,123	\$	2,246	\$	1,582	-29.56%
Reserve Additions-Interest		200		214		428		400	100.00%
Total Debt Principal and Interest	\$	2,446	\$	1,337	\$	2,674	\$	1,982	-18.97%

Rate Center Summary

Total Revenues	\$	302,909	\$	151,577	\$	303,154	\$	320,901	5.94%
Total Expenses		302,904		152,144		312,575		320,896	5.94%
Surplus/ (Deficit)	\$	5	\$	(567)	\$	(9,421)	\$	5	
Rates (Monthly)									
ACSA	\$	25,211					\$	26,694	5.88%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 56,054	\$ 24,090	\$ 48,180	\$ 56,932	\$ 878	1.57%
11010	Overtime & Holiday Pay	3,500	3,769	7,538	3,500	-	0.00%
12010	FICA	4,556	2,008	4,016	4,623	67	1.47%
12020	Health Insurance	8,900	3,965	7,930	10,181	1,281	14.39%
12026	EAP & OPEB	17	7	14	17	-	0.00%
12030	Retirement	5,874	2,456	4,912	5,477	(397)	-6.76%
12040	Life Insurance	740	276	552	746	6	0.81%
12050	Fitness Program	60	9	18	60	-	0.00%
12060	Worker's Comp Insurance	750	534	712	750	-	0.00%
	Subtotal	\$ 80,451	\$ 37,114	\$ 73,872	\$ 82,286	\$ 1,835	2.28%
Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 230	\$ 118	\$ 236	\$ 230	\$ -	0.00%
13150	Education & Training	250	185	370	500	250	100.00%
13200	Travel & Lodging	150	262	524	300	150	100.00%
13250	Uniforms	400	269	538	400	-	0.00%
13325	Recruiting & Medical Testing	25	28	56	25	-	0.00%
13350	Other	50	39	78	50	-	0.00%
	Subtotal	\$ 1,105	\$ 901	\$ 1,802	\$ 1,505	\$ 400	36.20%
Professional Services							
20100	Legal Fees	\$ -	\$ 1,364	\$ 2,728	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20300	Engineering & Technical Services	-	-	-	-	-	
	Subtotal	\$ -	\$ 1,364	\$ 2,728	\$ -	\$ -	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 400	\$ 438	\$ 438	\$ 470	\$ 70	17.50%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	300	389	778	800	500	166.67%
21300	Authority Dues/Permits/Fees	2,600	2,678	2,700	2,600	-	0.00%
21350	Laboratory Analysis	-	3,031	6,062	1,500	1,500	
21400	Utilities	23,250	14,166	28,332	26,000	2,750	11.83%
21420	General Other Services	-	-	-	-	-	
21430	Governance Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
	Subtotal	\$ 26,550	\$ 20,702	\$ 38,310	\$ 31,370	\$ 4,820	18.15%
Communication							
22100	Radio	\$ 350	\$ 366	\$ 366	\$ 400	\$ 50	14.29%
22150	Telephone & Data Service	1,400	2,154	4,308	2,730	1,330	95.00%
22200	Cell Phones & Pagers	500	287	574	500	-	0.00%
	Subtotal	\$ 2,250	\$ 2,807	\$ 5,248	\$ 3,630	\$ 1,380	61.33%
Information Technology							
31100	Computer Hardware	\$ 650	\$ -	\$ -	\$ 650	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	1,050	1,050	na
31200	Maintenance & Support Services	-	344	688	-	-	
31250	Software Purchases	200	-	-	200	-	0.00%
	Subtotal	\$ 850	\$ 344	\$ 688	\$ 1,900	\$ 1,050	123.53%
Supplies							
33100	Office Supplies	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
	Subtotal	\$ 100	\$ -	\$ -	\$ 100	\$ -	0.00%
Operation & Maintenance							
41100	Building & Grounds	\$ 4,000	\$ 1,582	\$ 3,164	\$ 12,000	\$ 8,000	200.00%
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	7,500	120	7,500	7,500	-	0.00%
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%
41400	Materials & Supplies	5,200	372	4,000	5,200	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Glenmore Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		2017 Variance \$	2017 Variance %
41450	Chemicals	-	-	-	-	-	-
41500	Vehicle Maintenance	750	970	1,940	750	-	0.00%
41550	Equipment Maint. & Repair	18,000	2,955	5,910	18,000	-	0.00%
41600	Instrumentation	2,750	2,386	4,772	3,940	1,190	43.27%
41650	Fuel & Lubricants	2,800	723	2,500	3,000	200	7.14%
41700	General Other Maintenance	60,100	35,412	70,824	58,550	(1,550)	-2.58%
Subtotal		\$ 101,600	\$ 44,520	\$ 100,610	\$ 109,440	\$ 7,840	7.72%
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	2,100	-	0.00%
Subtotal		\$ 2,600	\$ 1,050	\$ 2,100	\$ 2,600	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 14,170	\$ 6,954	\$ 14,521	\$ 16,520	\$ 2,350	16.58%
95300	Engineering Allocation	15,461	8,038	15,652	16,148	687	4.44%
95150	Maintenance Allocation	47,146	23,009	46,018	45,110	(2,036)	-4.32%
95200	Laboratory Allocation	5,175	2,504	5,352	5,305	130	2.51%
Subtotal		\$ 81,952	\$ 40,505	\$ 81,543	\$ 83,083	\$ 1,131	1.38%
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		3,000	1,500	3,000	3,000	-	0.00%
Subtotal		\$ 3,000	\$ 1,500	\$ 3,000	\$ 3,000	\$ -	0.00%
Total		\$ 300,458	\$ 150,807	\$ 309,901	\$ 318,914	\$ 18,456	6.14%

This page left blank intentionally.

Scottsville Wastewater Summary

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		
Projected Flow (MGD)	0.061			0.055	

Operations Budget

Projected Revenues

Operations Rate (monthly)	\$		\$		\$		\$		% Change
Revenue	20,241		123,558		247,116		21,173		4.60%
Interest Allocation	100		78		156		100		0.00%
Total Operations Revenues	247,216	123,636	247,272	254,176	254,176	2.82%			

Projected Expenses

Personnel Cost	\$ 81,606	\$ 38,260	\$ 76,162	\$ 83,741	2.62%
Professional Services	-	-	-	-	
Other Services and Charges	18,700	10,818	20,817	22,700	21.39%
Communications	2,550	1,832	3,076	2,600	1.96%
Information Technology	850	200	950	1,800	111.76%
Supplies	100	-	-	100	0.00%
Operations and Maintenance	46,095	10,363	30,898	47,990	4.11%
Equipment Purchases	6,100	1,050	2,100	2,600	-57.38%
Depreciation	16,000	8,000	16,000	16,000	0.00%
Subtotal before allocations	172,001	70,523	150,003	177,531	3.22%
Allocations of Support Depts.	75,217	37,218	74,969	76,639	1.89%
Total Operations Expenses	247,218	107,741	224,972	254,170	2.81%

Operations Cost per 1000 gallons \$11.103 \$12.661 114.03%

Debt Service Budget

Projected Revenue

Debt Service Rate (monthly)	\$		\$		\$		\$		% Change
Debt Service Rate Revenue - ACSA	832		4,992		9,984		768		-7.69%
Trust Fund Interest	200		250		500		500		150.00%
Reserve Fund Interest	100		86		172		100		0.00%
Total Debt Service Revenue	10,288	5,328	10,656	9,811	-4.64%				

Principal, Interest & Reserves

Total Principal & Interest	\$ 9,821	\$ 4,911	\$ 9,822	\$ 9,711	-1.12%
Estimated New Principal & Interest	367	184	368	-	
Reserve Additions-Interest	100	86	172	100	0.00%
Total Debt Principal and Interest	10,288	5,181	10,362	9,811	-4.64%

Rate Center Summary

Total Revenues	\$ 257,504	\$ 128,964	\$ 257,928	\$ 263,987	2.52%
Total Expenses	257,506	112,922	235,334	263,981	2.51%
Surplus/ (Deficit)	(2)	16,042	22,594	6	
Rates (Monthly)					
ACSA	\$ 21,073			\$ 21,941	4.12%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 56,054	\$ 24,257	\$ 48,514	\$ 56,932	\$ 878	1.57%
11010	Overtime & Holiday Pay	3,500	3,791	7,582	3,500	-	0.00%
12010	FICA	4,556	2,022	4,044	4,623	67	1.47%
12020	Health Insurance	8,900	4,005	8,010	10,181	1,281	14.39%
12026	EAP & OPEB	17	7	14	17	-	0.00%
12030	Retirement	5,874	2,456	4,912	5,477	(397)	-6.76%
12040	Life Insurance	740	276	552	746	6	0.81%
12050	Fitness Program	65	9	18	65	-	0.00%
12060	Worker's Comp Insurance	750	537	716	750	-	0.00%
	Subtotal	\$ 80,456	\$ 37,360	\$ 74,362	\$ 82,291	\$ 1,835	2.28%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 300	\$ 118	\$ 236	\$ 300	\$ -	0.00%
13150	Education & Training	200	184	368	400	200	100.00%
13200	Travel & Lodging	150	262	524	250	100	66.67%
13250	Uniforms	400	269	538	400	-	0.00%
13325	Recruiting & Medical Testing	-	28	56	-	-	-
13350	Other	100	39	78	100	-	0.00%
	Subtotal	\$ 1,150	\$ 900	\$ 1,800	\$ 1,450	\$ 300	26.09%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering & Technical Services	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 800	\$ 819	\$ 819	\$ 800	\$ -	0.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	300	263	526	300	-	0.00%
21300	Authority Dues/Permits/Fees	2,600	2,678	5,356	2,600	-	0.00%
21350	Laboratory Analysis	-	-	-	4,000	4,000	-
21400	Utilities	15,000	7,058	14,116	15,000	-	0.00%
21420	General Other Services	-	-	-	-	-	-
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 18,700	\$ 10,818	\$ 20,817	\$ 22,700	\$ 4,000	21.39%
Communication							
22000	Radio	\$ 350	\$ 588	\$ 588	\$ 400	\$ 50	14.29%
22150	Telephone & Data Service	1,700	967	1,934	1,700	-	0.00%
22200	Cell Phones & Pagers	500	277	554	500	-	0.00%
	Subtotal	\$ 2,550	\$ 1,832	\$ 3,076	\$ 2,600	\$ 50	1.96%
Information Technology							
31000	Computer Hardware	\$ 650	\$ -	\$ 550	\$ 700	\$ 50	7.69%
31150	SCADA Maint. & Support	-	-	-	850	850	na
31200	Maintenance & Support Services	-	200	400	-	-	-
31250	Software Purchases	200	-	-	250	50	25.00%
	Subtotal	\$ 850	\$ 200	\$ 950	\$ 1,800	\$ 950	111.76%
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	\$ 1,896	\$ 3,792	\$ 6,000	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	10,500	60	6,400	10,500	-	0.00%
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	500	-	-	500	-	0.00%
41400	Materials & Supplies	1,350	1,828	3,656	1,500	150	11.11%
41450	Chemicals	5,300	-	-	5,300	-	0.00%
41500	Vehicle Maintenance	750	1,146	2,292	750	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Rate Center: Scottsville Wastewater

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41550	Equipment Maint. & Repair	4,875	285	4,000	8,000	3,125	64.10%
41600	Instrumentation	6,220	1,173	2,346	6,220	-	0.00%
41650	Fuel & Lubricants	2,200	269	1,000	220	(1,980)	-90.00%
41700	General Other Maintenance	8,400	3,706	7,412	9,000	600	7.14%
<i>Subtotal</i>		\$ 46,095	\$ 10,363	\$ 30,898	\$ 47,990	\$ 1,895	4.11%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 4,000	\$ -	\$ -	\$ 500	\$ (3,500)	-87.50%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	2,100	1,050	2,100	2,100	-	0.00%
<i>Subtotal</i>		\$ 6,100	\$ 1,050	\$ 2,100	\$ 2,600	\$ (3,500)	-57.38%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ 14,170	\$ 6,954	\$ 14,521	\$ 16,520	\$ 2,350	16.58%
95300	Engineering Allocation	15,461	8,038	15,652	16,148	687	4.44%
95150	Maintenance Allocation	40,411	19,722	39,444	38,666	(1,745)	-4.32%
95200	Laboratory Allocation	5,175	2,504	5,352	5,305	130	2.51%
<i>Subtotal</i>		\$ 75,217	\$ 37,218	\$ 74,969	\$ 76,639	\$ 1,422	1.89%
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		\$ 247,218	\$ 107,741	\$ 224,972	\$ 254,170	\$ 6,952	2.81%

This page left blank intentionally.

Support Departments

Fiscal Year 2016-2017

Rivanna Water and Sewer Authority

This page left blank intentionally.

Administration

	FY 2016			Adopted Budget FY 2017	Budget % Change
	Budgeted FY 2016	Actual for 6 months	Projected 12 months		

Operations Budget

Projected Revenues

Payment for Services SWA	\$ 299,000	\$ 149,500	\$ 299,000	\$ 328,000	9.70%
Miscellaneous Revenue	1,000	17,166	17,166	1,000	0.00%
Total Operations Revenues	\$ 300,000	\$ 166,666	\$ 316,166	\$ 329,000	9.67%

Projected Expenses

Personnel Cost	\$ 1,226,810	\$ 619,304	\$ 1,231,189	\$ 1,503,824	22.58%
Professional Services	168,650	125,858	233,658	190,000	12.66%
Other Services and Charges	116,600	42,552	112,776	114,280	-1.99%
Communications	18,260	9,691	18,284	18,510	1.37%
Information Technology	124,800	38,849	114,436	96,700	-22.52%
Supplies	24,400	7,068	19,654	20,900	-14.34%
Operations and Maintenance	31,200	15,146	31,042	30,500	-2.24%
Equipment Purchases	6,250	3,636	7,272	6,250	0.00%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,716,970	\$ 862,104	\$ 1,768,311	\$ 1,980,964	15.38%

Department Summary						
Total Revenues		\$ 300,000	\$ 166,666	\$ 316,166	\$ 329,000	9.67%
Total Expenses		1,716,970	862,104	1,768,311	1,980,964	15.38%
Net Costs Allocable to Rate Centers		\$ (1,416,970)	\$ (695,438)	\$ (1,452,145)	\$ (1,651,964)	16.58%
<u>Allocations to the Rate Centers</u>						
Urban Water	44.00%	\$ 623,467	\$ 305,993	\$ 638,944	\$ 726,864	
Crozet Water	4.00%	56,679	27,818	58,086	66,079	
Scottsville Water	2.00%	28,339	13,909	29,043	33,039	
Urban Wastewater	48.00%	680,146	333,810	697,030	792,943	
Glenmore Wastewater	1.00%	14,170	6,954	14,521	16,520	
Scottsville Wastewater	1.00%	14,170	6,954	14,521	16,520	
	100.00%	\$ 1,416,971	\$ 695,438	\$ 1,452,145	\$ 1,651,965	

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Administration

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 917,000	\$ 454,374	\$ 908,748	\$ 1,121,020	\$ 204,020	22.25%
11010	Overtime & Holiday Pay	700	-	-	700	-	0.00%
12010	FICA	70,204	30,024	60,048	85,812	15,608	22.23%
12020	Health Insurance	102,900	60,814	121,628	136,440	33,540	32.59%
12026	EAP & OPEB	200	93	186	250	50	25.00%
12030	Retirement	96,102	47,316	94,632	109,317	13,215	13.75%
12040	Life Insurance	12,104	5,332	10,664	14,685	2,581	21.32%
12050	Fitness Program	2,000	1,298	2,596	2,500	500	25.00%
12060	Worker's Comp Insurance	600	433	577	600	-	0.00%
Subtotal		\$ 1,201,810	\$ 599,684	\$ 1,199,079	\$ 1,471,324	\$ 269,514	22.43%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 2,000	\$ 1,347	\$ 2,694	\$ 3,000	\$ 1,000	50.00%
13150	Education & Training	10,000	6,199	12,398	14,000	4,000	40.00%
13200	Travel & Lodging	4,000	2,617	5,234	4,500	500	12.50%
13250	Uniforms	-	300	600	500	500	
13325	Recruiting & Medical Testing	2,000	1,592	3,184	2,500	500	25.00%
13350	Other	7,000	7,565	8,000	8,000	1,000	14.29%
Subtotal		\$ 25,000	\$ 19,620	\$ 32,110	\$ 32,500	\$ 7,500	30.00%
Professional Services							
20100	Legal Fees	\$ 75,000	\$ 59,849	\$ 119,698	\$ 75,000	\$ -	0.00%
20200	Financial & Admin. Services	93,650	47,730	95,460	85,000	(8,650)	-9.24%
20300	Engineering & Technical Services	-	18,279	18,500	30,000	30,000	
Subtotal		\$ 168,650	\$ 125,858	\$ 233,658	\$ 190,000	\$ 21,350	12.66%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 16,000	\$ 15,126	\$ 15,126	\$ 16,400	\$ 400	2.50%
21150	Advertising & Communication	15,000	4,677	15,000	12,000	(3,000)	-20.00%
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	1,680	3,360	-	-	
21253	Safety Programs/Supplies	16,000	1,126	12,000	12,000	(4,000)	-25.00%
21300	Authority Dues/Permits/Fees	36,100	17,297	34,594	32,500	(3,600)	-9.97%
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	800	480	960	880	80	10.00%
21420	General Other Services	2,700	868	1,736	2,500	(200)	-7.41%
21430	Governance Support	30,000	1,298	30,000	38,000	8,000	26.67%
21450	Bad Debt	-	-	-	-	-	
Subtotal		\$ 116,600	\$ 42,552	\$ 112,776	\$ 114,280	\$ (2,320)	-1.99%
Communication							
22000	Radio	\$ 1,060	\$ 1,098	\$ 1,098	\$ 1,210	\$ 150	14.15%
22150	Telephone & Data Service	13,200	6,488	12,976	13,500	300	2.27%
22200	Cell Phones & Pagers	4,000	2,105	4,210	3,800	(200)	-5.00%
Subtotal		\$ 18,260	\$ 9,691	\$ 18,284	\$ 18,510	\$ 250	1.37%
Information Technology							
31000	Computer Hardware	\$ 22,000	\$ 10,343	\$ 20,686	\$ 22,000	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	-	-	na
31200	Maintenance & Support Services	90,000	26,631	90,000	61,700	(28,300)	-31.44%
31250	Software Purchases	12,800	1,875	3,750	13,000	200	1.56%
Subtotal		\$ 124,800	\$ 38,849	\$ 114,436	\$ 96,700	\$ (28,100)	-22.52%
Supplies							
33000	Office Supplies	\$ 15,000	\$ 6,070	\$ 12,140	\$ 12,500	\$ (2,500)	-16.67%
33150	Subscriptions/Reference Material	1,400	257	514	1,400	-	0.00%
33350	Postage & Delivery	8,000	741	7,000	7,000	(1,000)	-12.50%
Subtotal		\$ 24,400	\$ 7,068	\$ 19,654	\$ 20,900	\$ (3,500)	-14.34%
Operation & Maintenance							
41000	Building & Grounds	\$ 27,000	\$ 12,969	\$ 26,688	\$ 27,000	\$ -	0.00%
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	-	-	-	-	-	
41400	Materials & Supplies	1,000	274	548	800	(200)	-20.00%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	1,200	1,329	2,658	1,200	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Administration

2016 vs. 2017 Variance \$	2016 vs. 2017 Variance %
---------------------------------------	--------------------------------------

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016 vs. 2017 Variance	
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		\$	%
41550	Equipment Maint. & Repair	-	-	-	-	-	-
41600	Instrumentation	-	-	-	-	-	-
41650	Fuel & Lubricants	2,000	574	1,148	1,500	(500)	-25.00%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 31,200	\$ 15,146	\$ 31,042	\$ 30,500	\$ (700)	-2.24%
Equipment Purchases							
81000	Small Equipment & Tools	\$ -	\$ 511	\$ 1,022	\$ -	\$ -	-
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	6,250	3,125	6,250	6,250	-	0.00%
Subtotal		\$ 6,250	\$ 3,636	\$ 7,272	\$ 6,250	\$ -	0.00%
Allocations from Departments							
95000	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,716,970	\$ 862,104	\$ 1,768,311	\$ 1,980,964	\$ 263,994	15.38%

This page left blank intentionally.

Rivanna Water & Sewer Authority
 FY 2017 Adopted Budget

Maintenance

FY 2016			Adopted Budget FY 2017	Budget % Change
Budgeted FY 2016	Actual for 6 months	Projected 12 months		

Operations Budget

Projected Revenues

Miscellaneous Revenue	\$ 5,000	\$ 1,756	\$ 3,512	\$ -	-100.00%
Total Operations Revenues	\$ 5,000	\$ 1,756	\$ 3,512	\$ -	-100.00%

Projected Expenses

Personnel Cost	\$ 1,129,261	\$ 516,188	\$ 1,025,607	\$ 1,094,843	-3.05%
Professional Services	-	17,000	17,000	-	
Other Services and Charges	14,000	12,163	15,070	13,800	-1.43%
Communications	14,800	10,158	598	15,230	2.91%
Information Technology	33,000	12,353	25,270	6,000	-81.82%
Supplies	500	250	500	500	0.00%
Operations and Maintenance	67,480	39,033	73,370	64,830	-3.93%
Equipment Purchases	93,000	52,009	95,550	93,650	0.70%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,352,041	\$ 659,154	\$ 1,252,965	\$ 1,288,853	-4.67%



Department Summary					
Total Revenues		\$ 5,000	\$ 1,756	\$ 3,512	\$ -
Total Expenses		1,352,041	659,154	1,252,965	1,288,853
Net Costs Allocable to Rate Centers		\$ (1,347,041)	\$ (657,398)	\$ (1,249,453)	\$ (1,288,853)
Allocations to the Rate Centers					
Urban Water	30.00%	\$ 404,112	\$ 197,219	\$ 394,438	\$ 386,656
Crozet Water	3.50%	47,146	23,009	46,018	45,110
Scottsville Water	3.50%	47,146	23,009	46,018	45,110
		-	-	-	-
Urban Wastewater	56.50%	761,078	371,430	742,860	728,202
Glenmore Wastewater	3.50%	47,146	23,009	46,018	45,110
Scottsville Wastewater	3.00%	40,411	19,722	39,444	38,666
	100.00%	\$ 1,347,039	\$ 657,398	\$ 1,314,796	\$ 1,288,854

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Maintenance

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 797,747	\$ 358,647	\$ 717,294	\$ 766,204	\$ (31,543)	-3.95%
11010	Overtime & Holiday Pay	5,000	-	-	5,000	-	0.00%
12010	FICA	61,410	25,375	50,750	58,997	(2,413)	-3.93%
12020	Health Insurance	134,500	68,705	137,410	145,536	11,036	8.21%
12026	EAP & OPEB	270	121	242	270	-	0.00%
12030	Retirement	83,604	37,123	74,246	74,609	(8,995)	-10.76%
12040	Life Insurance	10,530	4,169	8,338	10,037	(493)	-4.68%
12050	Fitness Program	100	-	-	100	-	0.00%
12060	Worker's Comp Insurance	14,300	10,153	13,537	14,300	-	0.00%
Subtotal		\$ 1,107,461	\$ 504,293	\$ 1,001,817	\$ 1,075,053	\$ (32,408)	-2.93%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 300	\$ 100	\$ 200		\$ (300)	-100.00%
13150	Education & Training	6,000	2,100	4,200	6,000	-	0.00%
13200	Travel & Lodging	1,000	-	-	-	(1,000)	-100.00%
13250	Uniforms	13,000	8,609	17,218	13,790	790	6.08%
13325	Recruiting & Medical Testing	500	657	1,314	-	(500)	-100.00%
13350	Other	1,000	429	858	-	(1,000)	-100.00%
Subtotal		\$ 21,800	\$ 11,895	\$ 23,790	\$ 19,790	\$ (2,010)	-9.22%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20300	Engineering & Technical Services	-	17,000	17,000	-	-	
Subtotal		\$ -	\$ 17,000	\$ 17,000	\$ -	\$ -	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 9,000	\$ 9,256	\$ 9,256	\$ 9,800	\$ 800	8.89%
21150	Advertising & Communication	-	-	-	-	-	
21250	Watershed Management	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	3,000	2,176	4,352	2,500	(500)	-16.67%
21300	Authority Dues/Permits/Fees	-	-	-	-	-	
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	-	-	-	-	-	
21420	General Other Services	2,000	731	1,462	1,500	(500)	-25.00%
21430	Governance Support	-	-	-	-	-	
21450	Bad Debt	-	-	-	-	-	
Subtotal		\$ 14,000	\$ 12,163	\$ 15,070	\$ 13,800	\$ (200)	-1.43%
Communication							
22000	Radio	\$ 6,000	\$ 5,857	\$ 5,857	\$ 6,430	\$ 430	7.17%
22150	Telephone & Data Service	800	309	618	800	-	0.00%
22200	Cell Phones & Pagers	8,000	3,992	7,984	8,000	-	0.00%
Subtotal		\$ 14,800	\$ 10,158	\$ 14,459	\$ 15,230	\$ 430	2.91%
Information Technology							
31000	Computer Hardware	\$ 3,000	\$ 1,050	\$ 2,100	\$ 2,000	\$ (1,000)	-33.33%
31150	SCADA Maint. & Support	-	-	-	-	-	na
31200	Maintenance & Support Services	28,000	10,835	21,670	2,000	(26,000)	-92.86%
31250	Software Purchases	2,000	468	1,500	2,000	-	0.00%
Subtotal		\$ 33,000	\$ 12,353	\$ 25,270	\$ 6,000	\$ (27,000)	-81.82%
Supplies							
33000	Office Supplies	\$ 500	\$ 250	\$ 500	\$ 500	\$ -	0.00%
33150	Subscriptions/Reference Material	-	-	-	-	-	
33350	Postage & Delivery	-	-	-	-	-	
Subtotal		\$ 500	\$ 250	\$ 500	\$ 500	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 9,180	\$ 9,598	\$ 12,000	\$ 9,030	\$ (150)	-1.63%
41150	Building & Land Lease	-	-	-	-	-	
41200	Pump Station Maintenance	-	-	-	-	-	
41300	Dam Maintenance	-	-	-	-	-	
41350	Pipeline/Appurtenances	2,500	-	2,500	2,500	-	0.00%
41400	Materials & Supplies	8,000	5,897	11,794	8,000	-	0.00%
41450	Chemicals	-	-	-	-	-	
41500	Vehicle Maintenance	13,300	6,510	13,020	11,800	(1,500)	-11.28%
41550	Equipment Maint. & Repair	14,000	8,714	17,428	13,500	(500)	-3.57%
41600	Instrumentation	1,500	477	954	1,500	-	0.00%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Maintenance

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41650	Fuel & Lubricants	19,000	7,837	15,674	18,500	(500)	-2.63%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 67,480	\$ 39,033	\$ 73,370	\$ 64,830	\$ (2,650)	-3.93%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 13,000	\$ 16,734	\$ 25,000	\$ 12,850	\$ (150)	-1.15%
81200	Rental & Leases	1,000	275	550	1,000	-	0.00%
81250	Equipment (over \$5000)	9,000	-	-	9,800	800	8.89%
81300	Vehicle Replacement Fund	70,000	35,000	70,000	70,000	-	0.00%
Subtotal		\$ 93,000	\$ 52,009	\$ 95,550	\$ 93,650	\$ 650	0.70%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
	Capital Reserve Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Depreciation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,352,041	\$ 659,154	\$ 1,266,826	\$ 1,288,853	\$ (63,188)	-4.67%

This page left blank intentionally.

Laboratory Summary

FY 2016			Adopted Budget FY 2017	Budget % Change
Budgeted FY 2016	Actual for 6 months	Projected 12 months		

Operations Budget

Projected Revenues
 N/A

Projected Expenses

Personnel Cost	\$ 256,517	\$ 132,941	\$ 264,772	\$ 263,840	2.85%
Professional Services	10,000	-	10,000	-	
Other Services and Charges	8,000	2,547	4,883	9,230	15.38%
Communications	-	299	-	-	
Information Technology	2,400	117	2,534	2,475	3.13%
Supplies	1,100	148	296	1,100	0.00%
Operations and Maintenance	56,000	30,238	62,976	55,500	-0.89%
Equipment Purchases	11,000	660	11,320	21,500	95.45%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 345,017	\$ 166,950	\$ 356,781	\$ 353,645	2.50%



Department Summary					
Total Revenues		\$ -	\$ -	\$ -	\$ -
Total Expenses		345,017	166,950	356,781	353,645
Net Costs Allocable to Rate Centers		(345,017)	(166,950)	(356,781)	(353,645)
Allocations to the Rate Centers					
Urban Water	44.00%	\$ 151,807	\$ 73,458	\$ 156,984	\$ 155,604
Crozet Water	4.00%	13,801	6,678	14,271	14,146
Scottsville Water	2.00%	6,900	3,339	7,136	7,073
		-	-	-	-
Urban Wastewater	47.00%	162,158	78,467	167,687	166,213
Glenmore Wastewater	1.50%	5,175	2,504	5,352	5,305
Scottsville Wastewater	1.50%	5,175	2,504	5,352	5,305
	100.00%	\$ 345,016	\$ 166,950	\$ 356,782	\$ 353,646

Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 188,974	\$ 94,064	\$ 188,128	\$ 193,257	\$ 4,283	2.27%
11010	Overtime & Holiday Pay	500	4,793	9,586	500	-	0.00%
12010	FICA	14,495	7,104	14,208	14,822	327	2.26%
12020	Health Insurance	23,750	12,220	24,440	27,288	3,538	14.90%
12026	EAP & OPEB	50	24	48	50	-	0.00%
12030	Retirement	19,804	9,936	19,872	18,591	(1,213)	-6.13%
12040	Life Insurance	2,494	1,116	2,232	2,532	38	1.52%
12050	Fitness Program	-	260	520	-	-	-
12060	Worker's Comp Insurance	3,400	2,415	3,220	3,400	-	0.00%
	Subtotal	\$ 253,467	\$ 131,932	\$ 262,254	\$ 260,440	\$ 6,973	2.75%
Other Personnel Costs							
13000	Employee Dues & Licenses	\$ 600	\$ -	\$ 500	\$ 500	\$ (100)	-16.67%
13150	Education & Training	1,500	584	1,168	1,500	-	0.00%
13200	Travel & Lodging	500	-	-	500	-	0.00%
13250	Uniforms	200	230	460	500	300	150.00%
13325	Recruiting & Medical Testing	-	-	-	-	-	0.00%
13350	Other	250	195	390	400	150	60.00%
	Subtotal	\$ 3,050	\$ 1,009	\$ 2,518	\$ 3,400	\$ 350	11.48%
Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering & Technical Services	10,000	-	10,000	-	(10,000)	-100.00%
	Subtotal	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ (10,000)	
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 200	\$ 211	\$ 211	\$ 230	\$ 30	15.00%
21150	Advertising & Communication	-	-	-	-	-	-
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	-	-	-	-	-	-
21300	Authority Dues/Permits/Fees	4,000	-	-	4,000	-	0.00%
21350	Laboratory Analysis	800	190	380	500	(300)	-37.50%
21400	Utilities	2,000	2,146	4,292	4,000	2,000	100.00%
21420	General Other Services	1,000	-	-	500	(500)	-50.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 8,000	\$ 2,547	\$ 4,883	\$ 9,230	\$ 1,230	15.38%
Communication							
22000	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	-
22150	Telephone & Data Service	-	-	-	-	-	-
22200	Cell Phones & Pagers	-	299	598	-	-	-
	Subtotal	\$ -	\$ 299	\$ 598	\$ -	\$ -	
Information Technology							
31000	Computer Hardware	\$ 1,500	\$ -	\$ 1,500	\$ 1,500	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	-	-	na
31200	Maintenance & Support Services	800	-	800	800	-	0.00%
31250	Software Purchases	100	117	234	175	75	75.00%
	Subtotal	\$ 2,400	\$ 117	\$ 2,534	\$ 2,475	\$ 75	3.13%
Supplies							
33000	Office Supplies	\$ 500	\$ 148	\$ 296	\$ 500	\$ -	0.00%
33150	Subscriptions/Reference Material	500	-	-	500	-	0.00%
33350	Postage & Delivery	100	-	-	100	-	0.00%
	Subtotal	\$ 1,100	\$ 148	\$ 296	\$ 1,100	\$ -	0.00%
Operation & Maintenance							
41000	Building & Grounds	\$ 5,000	\$ -	\$ 2,500	\$ -	\$ (5,000)	-100.00%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	-	-	-	-	-	-
41400	Materials & Supplies	28,000	18,676	37,352	30,000	2,000	7.14%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Laboratory

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		2017 Variance \$	2017 Variance %
41450	Chemicals	12,000	5,110	10,220	10,000	(2,000)	-16.67%
41500	Vehicle Maintenance	-	-	-	-	-	-
41550	Equipment Maint. & Repair	10,000	6,452	12,904	15,000	5,000	50.00%
41600	Instrumentation	1,000	-	-	500	(500)	-50.00%
41650	Fuel & Lubricants	-	-	-	-	-	-
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 56,000	\$ 30,238	\$ 62,976	\$ 55,500	\$ (500)	-0.89%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 1,000	\$ 660	\$ 1,320	\$ 1,500	\$ 500	50.00%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	10,000	-	10,000	20,000	10,000	100.00%
81300	Vehicle Replacement Fund	-	-	-	-	-	-
Subtotal		\$ 11,000	\$ 660	\$ 11,320	\$ 21,500	\$ 10,500	95.45%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 345,017	\$ 166,950	\$ 357,379	\$ 353,645	\$ 8,628	2.50%

This page left blank intentionally.

Engineering Summary

FY 2016			Adopted Budget FY 2017	Budget % Change
Budgeted FY 2016	Actual for 6 months	Projected 12 months		

Operations Budget

Projected Revenues
 N/A

Projected Expenses

Personnel Cost	\$ 865,440	\$ 442,592	\$ 879,985	\$ 910,734	5.23%
Professional Services	9,000	5,416	10,832	9,000	0.00%
Other Services and Charges	40,225	23,552	42,104	41,550	3.29%
Communications	10,870	7,282	10,537	11,220	3.22%
Information Technology	38,500	23,635	33,290	38,000	-1.30%
Supplies	10,400	5,720	11,440	10,000	-3.85%
Operations and Maintenance	33,780	17,068	34,136	33,500	-0.83%
Equipment Purchases	22,500	10,586	21,172	22,500	0.00%
Depreciation	-	-	-	-	
Total Operations Expenses	\$ 1,030,715	\$ 535,851	\$ 1,043,496	\$ 1,076,504	4.44%



Department Summary					
Total Revenues		\$ -	\$ -	\$ -	\$ -
Total Expenses		1,030,715	535,851	1,043,496	1,076,504
Net Costs Allocable to Rate Centers		\$ (1,030,715)	\$ (535,851)	\$ (1,043,496)	\$ (1,076,504)
Allocations to the Rate Centers					
Urban Water	47.00%	\$ 484,436	\$ 251,850	\$ 490,443	\$ 505,957
Crozet Water	4.00%	41,229	21,434	41,740	43,060
Scottsville Water	2.00%	20,614	10,717	20,870	21,530
Urban Wastewater	44.00%	453,515	235,774	459,138	473,662
Glenmore Wastewater	1.50%	15,461	8,038	15,652	16,148
Scottsville Wastewater	1.50%	15,461	8,038	15,652	16,148
	100.00%	\$ 1,030,716	\$ 535,851	\$ 1,043,495	\$ 1,076,505

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
Salaries & Benefits							
10000	Salaries	\$ 639,677	\$ 330,478	\$ 660,956	\$ 673,321	\$ 33,644	5.26%
11010	Overtime & Holiday Pay	4,000	5,070	10,140	4,000	-	0.00%
12010	FICA	49,241	24,954	49,908	51,815	2,574	5.23%
12020	Health Insurance	71,200	30,269	60,538	81,864	10,664	14.98%
12026	EAP & OPEB	140	71	142	140	-	0.00%
12030	Retirement	67,038	33,784	67,568	65,573	(1,465)	-2.19%
12040	Life Insurance	8,444	3,793	7,586	8,821	377	4.46%
12050	Fitness Program	2,000	1,298	2,596	2,000	-	0.00%
12060	Worker's Comp Insurance	11,000	7,798	10,397	11,000	-	0.00%
Subtotal		\$ 852,740	\$ 437,515	\$ 869,831	\$ 898,534	\$ 45,794	5.37%
Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 1,200	\$ 618	\$ 1,236	\$ 1,200	\$ -	0.00%
13150	Education & Training	4,500	1,118	2,236	3,500	(1,000)	-22.22%
13200	Travel & Lodging	3,500	1,427	2,854	3,500	-	0.00%
13250	Uniforms	2,000	1,127	2,254	2,500	500	25.00%
13325	Recruiting & Medical Testing	500	-	-	500	-	0.00%
13350	Other	1,000	787	1,574	1,000	-	0.00%
Subtotal		\$ 12,700	\$ 5,077	\$ 10,154	\$ 12,200	\$ (500)	-3.94%
Professional Services							
20100	Legal Fees	\$ 7,000	\$ 1,731	\$ 3,462	\$ 5,000	\$ (2,000)	-28.57%
20200	Financial & Admin. Services	2,000	3,385	6,770	4,000	2,000	100.00%
20300	Engineering & Technical Services	-	300	600	-	-	-
Subtotal		\$ 9,000	\$ 5,416	\$ 10,832	\$ 9,000	\$ -	0.00%
Other Services and Charges							
21100	General Liability/Property Ins.	\$ 4,700	\$ 5,000	\$ 5,000	\$ 5,300	\$ 600	12.77%
21150	Advertising & Communication	200	-	-	200	-	0.00%
21250	Watershed Management	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	2,000	725	1,450	2,000	-	0.00%
21300	Authority Dues/Permits/Fees	750	1,300	2,600	1,500	750	100.00%
21350	Laboratory Analysis	300	-	-	250	(50)	-16.67%
21400	Utilities	275	124	248	300	25	9.09%
21420	General Other Services	32,000	16,403	32,806	32,000	-	0.00%
21430	Governance Support	-	-	-	-	-	-
21450	Bad Debt	-	-	-	-	-	-
Subtotal		\$ 40,225	\$ 23,552	\$ 42,104	\$ 41,550	\$ 1,325	3.29%
Communication							
22100	Radio	\$ 3,870	\$ 4,027	\$ 4,027	\$ 4,420	\$ 550	14.21%
22150	Telephone & Data Service	1,500	624	1,248	1,300	(200)	-13.33%
22200	Cell Phones & Pagers	5,500	2,631	5,262	5,500	-	0.00%
Subtotal		\$ 10,870	\$ 7,282	\$ 10,537	\$ 11,220	\$ 350	3.22%
Information Technology							
31100	Computer Hardware	\$ 7,000	\$ 1,024	\$ 2,048	\$ 7,000	\$ -	0.00%
31150	SCADA Maint. & Support	-	-	-	-	-	na
31200	Maintenance & Support Services	28,000	20,990	28,000	28,000	-	0.00%
31250	Software Purchases	3,500	1,621	3,242	3,000	(500)	-14.29%
Subtotal		\$ 38,500	\$ 23,635	\$ 33,290	\$ 38,000	\$ (500)	-1.30%
Supplies							
33100	Office Supplies	\$ 5,000	\$ 2,293	\$ 4,586	\$ 5,000	\$ -	0.00%
33150	Subscriptions/Reference Material	4,000	3,279	6,558	4,000	-	0.00%
33350	Postage & Delivery	1,400	148	296	1,000	(400)	-28.57%
Subtotal		\$ 10,400	\$ 5,720	\$ 11,440	\$ 10,000	\$ (400)	-3.85%
Operation & Maintenance							
41100	Building & Grounds	\$ 8,500	\$ 4,119	\$ 8,238	\$ 7,500	\$ (1,000)	-11.76%
41150	Building & Land Lease	-	-	-	-	-	-
41200	Pump Station Maintenance	-	-	-	-	-	-
41300	Dam Maintenance	-	-	-	-	-	-
41350	Pipeline/Appurtenances	10,000	4,500	9,000	10,000	-	0.00%
41400	Materials & Supplies	4,480	1,037	2,074	4,000	(480)	-10.71%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Department: Engineering

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41450	Chemicals	-	-	-	-	-	-
41500	Vehicle Maintenance	3,500	4,814	9,628	6,000	2,500	71.43%
41550	Equipment Maint. & Repair	1,000	412	824	1,000	-	0.00%
41600	Instrumentation	-	-	-	-	-	-
41650	Fuel & Lubricants	6,300	2,186	4,372	5,000	(1,300)	-20.63%
41700	General Other Maintenance	-	-	-	-	-	-
Subtotal		\$ 33,780	\$ 17,068	\$ 34,136	\$ 33,500	\$ (280)	-0.83%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 2,500	\$ 586	\$ 1,172	\$ 2,500	\$ -	0.00%
81200	Rental & Leases	-	-	-	-	-	-
81250	Equipment (over \$5000)	-	-	-	-	-	-
81300	Vehicle Replacement Fund	20,000	10,000	20,000	20,000	-	0.00%
Subtotal		\$ 22,500	\$ 10,586	\$ 21,172	\$ 22,500	\$ -	0.00%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Capital Reserve Transfers		\$ -	\$ -	\$ -	\$ -	\$ -	-
Depreciation		-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
Total		\$ 1,030,715	\$ 535,851	\$ 1,043,496	\$ 1,076,504	\$ 45,789	4.44%

This page left blank intentionally.

APPENDICES

Rivanna Water and Sewer Authority

Fiscal Year 2016-2017

This page left blank intentionally.

Flow Projections

	(1000 GALLONS)			(MILLION GALLONS PER DAY)		
	<i>FY 2016</i>	<i>FY 2017</i>	<i>% Change</i>	<i>FY 2016</i>	<i>FY 2017</i>	<i>% Change</i>
Water						
Urban	3,432,018	3,432,018	0.00%	9.403	9.403	0.00%
Crozet	173,427	182,610	5.30%	0.475	0.500	5.26%
Scottsville	21,168	19,143	-9.57%	0.058	0.052	-10.34%
Total	3,626,613	3,633,771	0.20%	9.9360	9.9550	0.19%
Wastewater						
Urban	3,424,639	3,424,639	0.00%	9.383	9.383	0.00%
Glenmore	45,146	43,412	-3.84%	0.124	0.119	-4.03%
Scottsville	22,401	19,967	-10.87%	0.061	0.055	-9.84%
Total	3,492,186	3,488,018	-0.12%	9.5680	9.5570	-0.11%

Allocation (Urban Area Only)

	<i>FY 2016</i>	<i>FY 2017</i>	<i>% Change</i>
Water			
City	53%	52%	-1.89%
ACSA	47%	48%	2.13%
Wastewater			
City	54%	52%	-3.70%
ACSA	46%	48%	4.35%

FY 2017 allocations are based on FY 2015 retail flows reported by the City and ACSA.

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 2017	City %	City Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		412,856	52.00%	214,685	
14.20% of 2015B Bond - New Projects		240,400	52.00%	125,008	339,693
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(15,700)	52.00%	(8,164)	
Buck Mountain Surcharge		(75,100)	FIXED	(21,200)	
Lease Revenues		(1,600)	52.00%	(832)	(30,196)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
Water Supply Expansion (15%/85%)					
100% of 2012B Revenue Bond		1,339,481	15.00%	200,922	
9.00% of 2015B Bond - Refunding		142,386	15.00%	21,358	
Non-Water Supply - Other Projects (48%/52%)					
47.40% of 2015B Bond - Refunding		749,899	48.00%	359,952	
77.80% of 2015B Bond - New Projects		1,317,120	48.00%	632,218	
South Rivanna Expansion of 1999					
10.30% of 2015B Bond - Refunding		162,953	0.00%	-	1,214,450
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		34,230	24.51%	8,390	8,390
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		134,764	52.00%	70,077	70,077
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Rate from 2016-2020 CIP		637,300	FIXED	250,600	250,600
Debt Service Coverage Ratio / Policy Charge		285,000	36.00%	102,600	102,600
Total Debt Service For Rate Computation		\$ 5,363,989		\$ 1,955,614	\$ 1,955,614

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2017	ACSA %	ACSA Amount	Annual Total
ALLOCATION BASED ON FLOWS					
<i>Regional Water System Projects:</i>					
47% of 2012A Refunding Bond		412,856	48.00%	198,171	
14.20% of 2015B Bond - New Projects		240,400	48.00%	115,392	313,563
<i>Revenues that offset Debt Service</i>					
Trust Fund Interest		(15,700)	48.00%	(7,536)	
Buck Mountain Surcharge		(75,100)	FIXED	(53,900)	
Lease Revenues		(1,600)	48.00%	(768)	(62,204)
RATES BASED ON FIXED AGREEMENTS					
<i>2003 & 2012 Urban Water Agreement</i>					
Water Supply Expansion (15%/85%)					
100% of 2012B Revenue Bond		1,339,481	85.00%	1,138,559	
9.00% of 2015B Bond - Refunding		142,386	85.00%	121,028	
Non-Water Supply - Other Projects (48%/52%)					
47.40% of 2015B Bond - Refunding		749,899	52.00%	389,947	
77.80% of 2015B Bond - New Projects		1,317,120	52.00%	684,902	
South Rivanna Expansion of 1999					
10.30% of 2015B Bond - Refunding		162,953	100.00%	162,953	2,497,389
<i>Southern Loop Water Line, West Branch</i>					
3.9% of 2012A Refunding Bond		34,230	75.49%	25,840	25,840
<i>South Rivanna Connector Main</i>					
15.3% of 2012A Refunding Bond		134,764	48.00%	64,687	64,687
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
CIP Growth Rate from 2016-2020 CIP		637,300	FIXED	386,700	386,700
Debt Service Coverage Ratio / Policy Charge		285,000	64.00%	182,400	182,400
Total Debt Service For Rate Computation		\$ 5,363,989		\$ 3,408,375	\$ 3,408,375

SUMMARY OF DEBT SERVICE REVENUES:			
CITY SHARE OF TOTAL DEBT SERVICE	\$	1,955,614	36%
ACSA SHARE OF TOTAL DEBT SERVICE		3,408,375	64%
	\$	5,363,989	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 2017	City %	City Amount	
ALLOCATION BASED ON FLOWS					
<i>System Projects Rate</i>					
	22.9% of 2015B Bond Refunding	362,293	52%	188,392	
	100% 2005A Bond VRA/VRLF	159,339	52%	82,856	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	52%	738,252	
	37.9% of 2011 A,B Bond VRA/RLF	205,219	52%	106,714	
	30.6% of 2012A Bond (new money)	370,533	52%	192,677	1,308,891
<i>Revenues that offset Debt Service</i>					
	County MOU - Septage	(109,440)	52%	(56,909)	
	Trust Fund Interest	(26,800)	52%	(13,936)	(70,845)
ALLOCATION BASED ON FIXED AGREEMENTS					
2014 Wastewater Agreement					
<i>Meadowcreek</i>					
	97.9% of 2010A, and 13.6% of 2012A Bonds	1,170,954	Segments	973,126	
<i>Wet Weather MCWWTP</i>					
	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	520,739	Segments	347,103	
<i>Moore's Creek PS</i>					
	100% of 2011 D/E Bond	317,130	Segments	203,905	
<i>Rivanna Pump Station and Force Main</i>					
	7.2% of 2012A Bond & 100% of 2014A Bond	1,226,804	Segments	801,688	
<i>Albemarle Berkley Pump Station</i>					
	4.2% of 2012A Bond	50,858	0%	-	
<i>Crozet Interceptor</i>					
	2.9% of 2012A Bond	35,116	0%	-	
<i>Schenk Branch Agreement</i>					
	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	298,632	100%	298,632	2,624,454
<i>Four Party Rate</i>					
<i>Regional Water System Projects</i>					
	19.6% of 2012A Refunding Bond	172,238	N/A	60,516	
<i>Crozet Interceptor</i>					
	3.9% of 2012A Refunding Bond	34,319	N/A	12,058	
<i>Facilities Purchase</i>					
	7.2% of 2012A Refunding Bond	62,860	N/A	22,086	94,660
<i>Moore's Creek Relief IS, Pt 1</i>					
	1.6% of 2012A Refunding Bond	14,294	30%	4,288	4,288
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
	CIP Growth Charge from 2016-2020 CIP	486,000	Fixed	278,500	278,500
	Debt Service Coverage Ratio / Policy Charge	325,000	58%	188,500	188,500
Total		\$ 7,095,804		\$ 4,428,448	\$ 4,428,448

ACSA Allocation of Debt Service Costs		Estimated Debt Service Budget FY 2017	ACSA %	ACSA Amount	
ALLOCATION BASED ON FLOWS					
<i>System Projects Rate</i>					
	22.9% of 2015B Bond Refunding	362,293	48%	173,901	
	100% 2005A Bond VRA/VRLF	159,339	48%	76,483	
	88.5% of 2009A Bond VRA/VRLF	1,419,716	48%	681,464	
	37.9% of 2011 A,B Bond VRA/RLF	205,219	48%	98,505	
	30.6% of 2012A Bond (new money)	370,533	48%	177,856	1,208,209
<i>Revenues that offset Debt Service</i>					
	County MOU - Septage	(109,440)	48%	(52,531)	
	Trust Fund Interest	(26,800)	48%	(12,864)	(65,395)
ALLOCATION BASED ON FIXED AGREEMENTS					
2014 Wastewater Agreement					
<i>Meadowcreek</i>					
	97.9% of 2010A, and 13.6% of 2012A Bonds	1,170,954	Segments	197,828	
<i>Wet Weather MCWWTP</i>					
	11.5% of 2009A, and 62.1% of 2011 A/B Bonds	520,739	Segments	173,635	
<i>Moore's Creek PS</i>					
	100% of 2011 D/E Bond	317,130	Segments	113,225	
<i>Rivanna Pump Station and Force Main</i>					
	7.2% of 2012A Bond	1,226,804	Segments	425,116	
<i>Albemarle Berkley Pump Station</i>					
	4.2% of 2012A Bond	50,858	100%	50,858	
<i>Crozet Interceptor</i>					
	2.9% of 2012A Bond	35,116	100%	35,116	
<i>Schenk Branch Agreement</i>					
	20.0% of 2012A, 2.1% of 2010A Bonds and 100% of 2015A	298,632	0%	-	995,778
<i>Four Party Rate</i>					
<i>Regional Water System Projects</i>					
	19.6% of 2012A Refunding Bond	172,238	N/A	111,722	
<i>Crozet Interceptor</i>					
	3.9% of 2012A Refunding Bond	34,319	N/A	22,261	
<i>Facilities Purchase</i>					
	7.2% of 2012A Refunding Bond	62,860	N/A	40,774	174,757
<i>Moore's Creek Relief IS, Pt 1</i>					
	1.6% of 2012A Refunding Bond	14,294	70%	10,006	10,006
DEBT SERVICE PROJECTED FROM 5-YEAR CIP					
	CIP Growth Charge from 2016-2020 CIP	486,000	Fixed	207,500	207,500
	Debt Service Coverage Ratio / Policy Charge	325,000	42%	136,500	136,500
Total		\$ 7,095,804		\$ 2,667,355	\$ 2,667,355

SUMMARY OF DEBT SERVICE REVENUES:		
CITY SHARE OF TOTAL DEBT SERVICE	\$ 4,428,448	62%
ACSA SHARE OF TOTAL DEBT SERVICE	2,667,355	38%
	\$ 7,095,803	100%

RURAL RATE CENTERS DEBT SERVICE RATES

Summary of Debt Service Payments Due

	FY 2017 Total Current Debt Service	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	\$ 8,652			
17.0% of 2012A Bond (new money)	205,852			
8.39% of 2005B Bond Refunding (portion)				
4.9% of 2005B Bond New Projects (portion)				
7.4% of 2015B Bond Refunding	117,073			
5.9% of 2015B Bond New Projects	99,884			
Estimated DS - CIP Growth in Rate		\$ 146,300		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(1,800)			
	\$ 429,661	\$ 146,300	\$ 575,961	\$ 47,997
<u>Scottsville Water</u>				
<i>Solids Handling</i>				
0.2% of 2012A Refunding Bond	\$ 1,505			
4.2% of 2012A Bond (new money)	50,858			
0.92% of 2005B Bond Refunding (portion)	-			
7.3% of 2005B Bond New Projects (portion)	-			
2.7% of 2015B Bond Refunding	42,716			
2.1% of 2015B Bond New Projects	35,552			
Estimated DS - CIP Growth in Rate		-		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(450)			
	\$ 130,181	\$ -	\$ 130,181	\$ 10,848
<u>WASTEWATER</u>				
<u>Glenmore Wastewater</u>				
<i>System upgrades</i>				
0.17% of 2005B Bond Refunding (portion)	\$ -			
0.10% of 2015B Bond Refunding	1,582			
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest				
	1,582	-	\$ 1,582	\$ 132
<u>Scottsville Wastewater</u>				
<i>Facilities Purchase</i>				
0.3% of 2012A Refunding Bond	\$ 2,914			
<i>System upgrades</i>				
0.3% of 2012A Bond (new money)	3,633			
0.17% of 2005B Bond Refunding (portion)	-			
0.2% of 2005B Bond New Projects (portion)	-			
0.20% of 2015B Bond Refunding	3,164			
Estimated DS - CIP Growth in Rate		-		
<i>Revenues that offset Debt Service</i>				
Trust Fund Interest	(500)			
	\$ 9,211	\$ -	\$ 9,211	\$ 768
TOTAL	\$ 570,635	\$ 146,300	\$ 716,935	\$ 59,745

DEBT SUMMARY

	Total Revenue Bond Debt	Total FY 2017 Debt Service
<u>CURRENT EXISTING DEBT</u>		
<u>DEBT BY BOND ISSUE</u>		
2005 A Bond VRA/VRLF	1,426,097	159,339
2009A Bond	19,209,121	1,604,199
2010A Bond	12,000,433	1,027,429
2011A Bond	5,853,950	472,617
2011B Bond	836,419	68,858
2011D,E Bond	4,025,589	317,130
2012A Bond (refunding & new money)	20,845,000	2,089,525
2012B Bond	24,555,000	1,339,481
2014A Bond	29,043,290	1,139,620
2015A Bond	1,189,672	35,296
2015B Bond (refunding & new money)	44,495,000	3,275,022
	<u>\$ 163,479,571</u>	<u>\$ 11,528,516</u>

PRINCIPAL AND INTEREST PAYMENTS BY CENTER - Annual

Urban Water	4,534,089
Crozet Water	431,461
Scottsville Water	130,631
Urban Wastewater	6,421,044
Glenmore Wastewater	1,582
Scottsville Wastewater	9,711
	<u>\$ 11,528,518</u>

Stone Robinson School WWTP Estimated Charges

Expenses	Total	Monthly
<i>Fixed Costs</i>		
Wages	\$ 9,828	
Benefits	3,372	
Mileage	1,820	
Subtotal	<u>\$ 15,020</u>	
Overhead at 35%	<u>5,257</u>	
Total Fixed Charge	<u>\$ 20,277</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>\$ 27,027</u>	<u>\$ 2,252</u>

All Rate Centers

Detailed Summary of Revenues

	<i>FY 2016</i>	<i>FY 2017</i>	<i>% Change</i>
<u>OPERATIONS</u>			
Operations Rate Revenues	<u>\$ 14,015,641</u>	<u>\$ 14,450,064</u>	<u>3.10%</u>
Other Operations Revenues			
Interest Allocation	\$ 7,975	\$ 8,025	0.63%
Stone Robinson WWTP	26,847	27,027	0.67%
Septage/Sludge Acceptance	340,000	390,000	14.71%
Leases	63,000	63,000	0.00%
Administration	300,000	329,000	9.67%
Nutrient Credits	85,000	123,000	44.71%
Use of Reserves	44,000	-	-100.00%
Miscellaneous	22,000	17,000	-22.73%
	<u>\$ 888,822</u>	<u>\$ 957,052</u>	<u>7.68%</u>
Total Operations Revenues	<u><u>\$ 14,904,463</u></u>	<u><u>\$ 15,407,116</u></u>	<u><u>3.37%</u></u>
<u>DEBT SERVICE</u>			
Debt Service Rate Revenues			
City	\$ 5,900,931	\$ 6,384,062	8.19%
ACSA	6,623,604	6,792,668	2.55%
	<u>\$ 12,524,535</u>	<u>\$ 13,176,730</u>	<u>5.21%</u>
Other Debt Service Revenues			
Interest	65,960	129,350	96.10%
County MOU - Septage	109,440	109,440	0.00%
Buck Mountain Surcharge	89,000	75,100	-15.62%
Leases	1,600	1,600	0.00%
	<u>\$ 266,000</u>	<u>\$ 315,490</u>	<u>18.61%</u>
Total Debt Service Revenues	<u><u>\$ 12,790,535</u></u>	<u><u>\$ 13,492,220</u></u>	<u><u>5.49%</u></u>
Total Revenues	<u><u>\$ 27,694,998</u></u>	<u><u>\$ 28,899,336</u></u>	<u><u>4.35%</u></u>

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
10000	Salaries & Benefits						
11000	Salaries	\$ 4,817,432	\$ 2,276,062	\$ 4,552,124	\$ 5,056,841	\$ 239,409	4.97%
11010	Overtime Pay	175,200	138,398	276,796	175,200	-	0.00%
12010	FICA	381,937	172,730	345,460	400,251	18,314	4.80%
12020	Health Insurance	683,650	333,624	667,248	783,848	100,198	14.66%
12026	EAP & OPEB	1,324	604	1,208	1,374	50	3.78%
12030	Retirement	504,725	233,063	466,126	490,443	(14,282)	-2.83%
12040	Life Insurance	63,589	26,200	52,400	66,245	2,656	4.18%
12050	Fitness Program	7,825	5,408	10,816	8,325	500	6.39%
12060	Worker's Comp Insurance	66,100	46,939	62,584	66,100	-	0.00%
	Subtotal	\$ 6,701,782	\$ 3,233,028	\$ 6,434,762	\$ 7,048,627	\$ 346,845	5.18%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 10,760	\$ 4,283	\$ 11,596	\$ 10,360	\$ (400)	-3.72%
13150	Education & Training	39,950	26,318	52,636	47,900	7,950	19.90%
13200	Travel & Lodging	15,900	13,650	27,300	18,150	2,250	14.15%
13250	Uniforms	33,700	20,611	41,222	35,790	2,090	6.20%
13325	Recruiting & Medical Testing	5,065	2,860	5,720	4,165	(900)	-17.77%
13350	Other	10,500	11,744	16,358	10,650	150	1.43%
	Subtotal	\$ 115,875	\$ 79,466	\$ 154,832	\$ 127,015	\$ 11,140	9.61%
	Professional Services						
20100	Legal Fees	\$ 91,000	\$ 72,094	\$ 144,188	\$ 89,000	\$ (2,000)	-2.20%
20200	Financial & Admin. Services	95,650	51,115	102,230	89,000	(6,650)	-6.95%
20300	Engineering & Technical Services	291,500	98,896	317,726	288,400	(3,100)	-1.06%
	Subtotal	\$ 478,150	\$ 222,105	\$ 564,144	\$ 466,400	\$ (11,750)	-2.46%
	Other Services and Charges						
21100	General Liability/Property Ins.	\$ 139,200	\$ 137,310	\$ 137,310	\$ 145,950	\$ 6,750	4.85%
21150	Advertising & Communication	15,300	4,677	15,000	13,800	(1,500)	-9.80%
21250	Watershed Management	80,100	14,800	74,600	75,100	(5,000)	-6.24%
21252	EMS Programs/Supplies	500	1,758	3,516	500	-	0.00%
21253	Safety Programs/Supplies	31,350	20,935	51,618	34,350	3,000	9.57%
21300	Authority Dues/Permits/Fees	88,750	50,745	98,834	85,900	(2,850)	-3.21%
21350	Laboratory Analysis	87,100	49,799	99,598	98,750	11,650	13.38%
21400	Utilities	1,278,825	569,764	1,289,528	1,280,780	1,955	0.15%
21420	General Other Services	566,800	316,959	633,918	594,300	27,500	4.85%
21430	Governance Support	30,000	1,298	30,000	38,000	8,000	26.67%
21450	Bad Debt	-	-	-	-	-	-
	Subtotal	\$ 2,317,925	\$ 1,168,045	\$ 2,433,922	\$ 2,367,430	\$ 49,505	2.14%
22000	Communication						
22100	Radio	\$ 19,370	\$ 21,936	\$ 21,936	\$ 21,700	\$ 2,330	12.03%
22150	Telephone & Data Service	51,100	28,207	82,230	78,730	27,630	54.07%
22200	Cell Phones & Pagers	29,500	16,373	32,746	30,700	1,200	4.07%
	Subtotal	\$ 99,970	\$ 66,516	\$ 136,912	\$ 131,130	\$ 31,160	31.17%
31000	Information Technology						
31100	Computer Hardware	\$ 49,400	\$ 19,697	\$ 42,444	\$ 51,150	\$ 1,750	3.54%
31150	SCADA Maint. & Support	-	-	-	139,700	139,700	N/A
31200	Maintenance & Support Services	166,000	75,118	173,794	92,500	(73,500)	-44.28%
31250	Software Purchases	22,450	5,280	11,124	22,725	275	1.22%
	Subtotal	\$ 237,850	\$ 100,095	\$ 227,362	\$ 306,075	\$ 68,225	28.68%
33000	Supplies						
33100	Office Supplies	\$ 26,400	\$ 11,474	\$ 23,048	\$ 23,900	\$ (2,500)	-9.47%
33150	Subscriptions/Reference Material	7,850	3,536	7,672	7,850	-	0.00%
33350	Postage & Delivery	13,310	2,408	10,334	11,910	(1,400)	-10.52%
	Subtotal	\$ 47,560	\$ 17,418	\$ 41,054	\$ 43,660	\$ (3,900)	-8.20%
41000	Operation & Maintenance						
41100	Building & Grounds	\$ 228,880	\$ 121,925	\$ 250,694	\$ 221,930	\$ (6,950)	-3.04%
41150	Building & Land Lease	32,500	32,313	32,313	32,500	-	0.00%
41200	Pump Station Maintenance	145,475	52,574	122,644	140,010	(5,465)	-3.76%
41300	Dam Maintenance	41,500	49,105	-	68,700	27,200	65.54%
41350	Pipeline/Appurtenances	189,540	270,530	573,528	316,530	126,990	67.00%
41400	Materials & Supplies	127,830	74,562	152,380	131,300	3,470	2.71%
41450	Chemicals	1,775,300	804,036	1,661,970	1,671,300	(104,000)	-5.86%

**Rivanna Water and Sewer Authority
Fiscal Year 2016-2017 Adopted Budget
Expense Detail**

Authority as a Whole

Object Code	Line Item	Adopted Budget FY 2015-2016	Current Year Activity		Adopted Budget FY 2016-2017	2016	2016
			Six Month Actual 12/31/2015	Projected Year end 6/30/2016		vs. 2017 Variance \$	vs. 2017 Variance %
41500	Vehicle Maintenance	34,200	29,084	58,168	35,200	1,000	2.92%
41550	Equipment Maint. & Repair	744,175	312,578	801,868	657,100	(87,075)	-11.70%
41600	Instrumentation	72,170	30,536	62,556	78,960	6,790	9.41%
41650	Fuel & Lubricants	133,880	37,651	77,270	84,620	(49,260)	-36.79%
41700	General Other Maintenance	170,500	49,234	143,468	159,550	(10,950)	-6.42%
Subtotal		\$ 3,695,950	\$ 1,864,128	\$ 3,936,859	\$ 3,597,700	\$ (98,250)	-2.66%
81000	Equipment Purchases						
81100	Small Equipment & Tools	\$ 50,000	\$ 52,449	\$ 77,264	\$ 45,050	\$ (4,950)	-9.90%
81200	Rental & Leases	9,000	8,415	12,830	9,000	-	0.00%
81250	Equipment (over \$5000)	217,000	75,080	216,000	149,800	(67,200)	-30.97%
81300	Vehicle Replacement Fund	152,400	76,200	152,400	152,400	-	0.00%
Subtotal		\$ 428,400	\$ 212,144	\$ 458,494	\$ 356,250	\$ (72,150)	-16.84%
95000	Allocations from Departments						
95100	Administrative Allocation	\$ -	\$ -	\$ -	\$ -	\$ -	-
95300	Engineering Allocation	-	-	-	-	-	-
95150	Maintenance Allocation	-	-	-	-	-	-
95200	Laboratory Allocation	-	-	-	-	-	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
	Capital Reserve Transfer	\$ -	\$ -	\$ -	\$ 181,813	\$ 181,813	-
	Depreciation	781,000	390,500	781,000	781,000	-	0.00%
Subtotal		\$ 781,000	\$ 390,500	\$ 781,000	\$ 962,813	\$ 181,813	23.28%
Total		\$ 14,904,462	\$ 7,353,445	\$ 15,169,341	\$ 15,407,100	\$ 502,638	3.37%

Audit Check	
Less revenue allocation in Admin.	(329,000)
Less revenue allocation in Maint.	-
Detail Check on Expenses	\$ 15,078,100
Total Summary Sheet Rate Center Only	\$ 15,078,104

RWSA Staffing by Department

OPERATIONS	Number of Positions	Change from FY 2016
Operations Management		
Director of Operations	1	
Water Resources Manager	1	
	2	0
Engineering Department		
Chief Engineer	1	
Senior Civil, Civil Engineers	4	
Engineering Technician/Inspector/GIS	2	
GIS Coordinator	1	
Administrative Office Technician	1	
Subtotal	9	0
Laboratory		
Laboratory Director	1	
Chemist	1	
Lab Technician	1	
Subtotal	3	0
Maintenance Department		
Maintenance Manager	1	
Maintenance Supervisor	1	
Mechanics	10	
Vehicle Equipment Mechanic	1	
SCADA/Process Control Tech.	0	-1
Mechanic Helper	1	
Maintenance Workers	2	
Subtotal	16	-1
Wastewater Department		
Wastewater Manager	1	
Wastewater Assistant Manager	1	
Treatment Supervisor	1	
<u>Plant Operators (14 total)</u>		
Operators - Moores Creek	8	
Operators - Relief Shift Differential all plants	2	
Operator - Glenmore	1	
Operator - Scottsville	1	
Dewatering Operators	2	
Subtotal	17	0
Water Department		
Water Manager	1	
Water Assistant Manager	1	
Water Treatment Plant Supervisor	1	
<u>Plant Operators (20.4 total)</u>		
Operators - Relief Shift Differential all plants	3	
Operators - S. Rivanna / N. Rivanna	8	

RWSA Staffing by Department

OPERATIONS	Number of Positions	Change from FY 2016		
Operators - Observatory	5.75			
Operators - Crozet	2.4			
Operators - Scottsville	1.25			
Subtotal	23.4	0		
Subtotal for Operations	70.4	-1		
 JOINT ADMINISTRATIVE STAFF				
Executive Director	1			
Communications Manager/Executive Coordinator	1			
Director of Finance & Administration	1			
Office/ HR Manager	1			
Accountant	1			
Payroll & Benefits Coordinator	1			
Accounts Payable/Purchasing Technician	1			
Accounts Receivable Technician	1			
Secretary III	1			
Administrative Office Technician	1			
Environmental & Safety Manager	1			
Information Systems Administrator	1			
Information Systems Asst. Administrator	1			
IT Specialist - SCADA	1	1		
SCADA Technician (moved from Maintenance)	1	1		
Administration and allocation with RSWA	15	2		
			FTE Split	
			RWSA	SWA
			11.64	3.36
Total all positions	85.40	1.00		
Previous year	84.40		9.53	3.47
 Total Budgeted FTE Positions				
	FY 2017		FY 2016	
Operations	70.40		71.40	
Allocated Administrative Positions	11.64		9.53	
Total	82.04		80.93	

Data for ACSA

	FY 2016	FY 2017	Change
Total RWSA Expenses			
Water	\$ 13,300,000	\$ 13,878,000	\$ 578,000
Wastewater	14,090,000	14,692,000	602,000
Add Administration revenue allocation	300,000	329,000	29,000
Add Maintenance revenue allocation	5,000	-	(5,000)
	<u> </u>	<u> </u>	<u> </u>
Total	<u>\$ 27,695,000</u>	<u>\$ 28,899,000</u>	<u>\$ 1,204,000</u>

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

Urban	\$ 6,122,249	\$ 6,427,485	\$ 305,236
Crozet	1,335,960	1,489,788	153,828
Scottsville	588,139	520,589	(67,550)
	<u> </u>	<u> </u>	<u> </u>
Total	<u>\$ 8,046,348</u>	<u>\$ 8,437,862</u>	<u>\$ 391,514</u>

Wastewater

Urban	\$ 5,608,164	\$ 5,683,291	\$ 75,127
Scottsville	257,104	263,287	6,183
Stone-Robinson School	26,847	27,027	180
Glenmore	302,534	320,326	17,792
	<u> </u>	<u> </u>	<u> </u>
Total	<u>\$ 6,194,649</u>	<u>\$ 6,293,931</u>	<u>\$ 99,282</u>

Total for ACSA FY 2017	<u>\$ 14,240,997</u>	<u>\$ 14,731,793</u>	<u>\$ 490,796</u>
-------------------------------	-----------------------------	-----------------------------	--------------------------

FY 2016	\$ 13,738,943	\$ 14,240,997	
---------	---------------	---------------	--

Difference	\$ 502,054	\$ 490,796	
------------	------------	------------	--

Urban Water Rate Revenue Analysis

	<i>Total</i>	<i>City</i>	<i>ACSA</i>
Rate Revenue Detail			
<i>Operations Rate per 1,000 gallons</i>	\$ 1.833	\$ 1.833	\$ 1.833
Revenue	6,289,813	3,270,703	3,019,110
<i>Debt Service Rate monthly</i>	N/A	162,968	284,031
Revenue	5,363,989	1,955,614	3,408,375
Total Rate Revenue	\$ 11,653,802	\$ 5,226,317	\$ 6,427,485

FY 2016 Budget Comparison			
FY 2016 Total Budgeted Rate Revenue	\$ 11,136,154	\$ 5,013,905	\$ 6,122,249
Total \$ Change	\$ 517,648	\$ 212,412	\$ 305,236
% Change	4.65%	4.24%	4.99%

Urban Wastewater Rate Revenue Analysis

	<i>Total</i>	<i>City</i>	<i>ACSA</i>
Rate Revenue Detail			
<i>Operations Rate per 1,000 gallons</i> Revenue	\$ 1.835 6,283,199	\$ 1.835 3,267,263	\$ 1.835 3,015,936
<i>Debt Service Rate monthly</i> Revenue	N/A 7,095,803	369,037 4,428,448	222,280 2,667,355
Total Rate Revenue	\$ 13,379,002	\$ 7,695,711	\$ 5,683,291

FY 2016 Budget Comparison			
FY 2016 Total Budgeted Rate Revenue	\$ 12,920,285	\$ 7,312,121	\$ 5,608,164
	\$ 458,717	\$ 383,590	\$ 75,127
% Change	3.55%	5.25%	1.34%