



**FAUQUIER COUNTY
WATER AND SANITATION AUTHORITY**

Approved
*Annual Budget
Fiscal 2017*

June 28, 2016

MEMORANDUM

Date: June 28, 2016
From: General Manager
To: Authority Board
Via: Finance Committee
Personnel Committee

Subject: Fiscal Year 2017 Operating and Capital Budget

Introduction - It is my pleasure to forward the proposed Fiscal Year 2017 Operating and Capital Budget for your review. This budget proposes total operating expenses, including depreciation, of \$9,821,707 which represents a 4.84% increase (\$453,629) as compared to Fiscal Year 2016. During the past year, inflation has increased the cost of doing business by approximately 1.5% while the number of customers being provided services has increased:

	Jan 15	Jan 16	Increase	% Increase
Accounts	9484	9601	117	1.23%

Operating Revenues for Fiscal Year 2017 are anticipated to be \$9,006,001 approximately, 13.69% (\$1,084,375) above the level contained in the adjusted Fiscal Year 2016 Budget, which includes proposed rate increases as detailed below. Other highlights of this proposed Budget are as follows:

- 1. Rates, Fees and Charges** - This Budget incorporates an increase to the Water and Sewer Base Service Fees and the Water and Sewer Usage Fees of 9.5% to cover the permanent borrowing for new sources and treatment facility of prior years and scheduled for FY 17. The Base Service Fees has an additional \$2.50 to fund fixed asset replacement cost.
- 2. Personnel** – There is one new position being requested and an update of the Engineer's position to full time with this Budget. A Cost of Living Adjustment of 2% is included in this Budget. Funding in the amount of \$10,000 is proposed and included to maintain the Spot Awards Program so that we may continue to recognize extraordinary service. Additionally, funding is included to support the Longevity Step Increase Program. The FY17 salary and benefits, including the Construction Department, are 6.58% over prior year's salary and benefits.

As established by new legislation, any employee hired after January 1, 2014 is required to become a member of the Hybrid Retirement Plan (HRP). The HRP consist of two components, a Defined Benefit and a Defined Contribution. At a minimum, 1% of the employer and employee contribution must go into the Defined Contribution plan. The Virginia Retirement System (VRS) has not changed the employees' contribution rate. The employer's FY17 VRS contribution rate is 4.38% and FY17 VRS Life insurance rate is 1.32%. The employee's FY17 contribution rate is 5%. The Employer's payment for

contribution rate is made based on the current rates. At this time, the rates are not anticipated to increase. Finally, the legislation requires that these new employees hired after January 1, 2014 also be covered for short-term disability. This rate is .60%.

3. **Administration** – Administration expenses have increased 3.67% from the level contained in last year's adjusted budget. The increase is primarily due to a full year interest on refinanced loans.
4. **Maintenance/Construction** – Maintenance/Construction has increased by 6.63% due to increase in repairs and maintenance and supplies for pipes.
5. **Operations** - Operations costs have increased by approximately 6.54% from those contained in last year's adjusted budget, primarily due to increases in Water Treatment Facility, Analytical Services, Repairs & Maintenance, Utilities, Chemicals and Refuse Services.
6. **Repair and Replacement (R & R) and Depreciation** – The FY 2017 Budget contains R&R cash funding in the amount of \$250,000 for projects throughout our systems. A new program is put in place to borrow \$500,000 a year as long as interest rates are relatively low. It is important to note that our depreciation expense is \$3,000,000, the same as the prior two years. This number has increased in the past 10 years as infrastructure and facility upgrades have been added to the Authority's assets. Although treated as a non-cash item, depreciation is directly related to the level of expenditures that will be necessary to fund the R&R program so that existing systems can be replaced as they reach the end of their useful life in future years.
7. **Capital Improvement Program (CIP)** – The five year CIP plan is intended to address issues in the water system. The Authority is cash funding \$200,000 of the CIP projects. A new program is put in place to borrow \$500,000 a year as long as interest rates are relatively low. CIP includes projects for the New Baltimore, Bealeton and Marshall Service District including water sources (wells), a tank, and a water treatment facility. These projects are budgeted for \$8,000,000 and will require a loan for their funding.

By effective utilization and management of the nutrient waste load allocations assigned to our WWTPs under the Water Quality Management Planning Regulation, the Marshall and Remington WWTP compliance upgrade projects have been divided into two phases. Absent any significant changes to the regulations, the phasing of these projects has allowed the deferral of significant levels of additional debt service (c. \$25M+) until sometime after FY2028.

We look forward to working with the Committees, and the Board as a whole, as we proceed through the review and approval process for the FY2017 Budget.

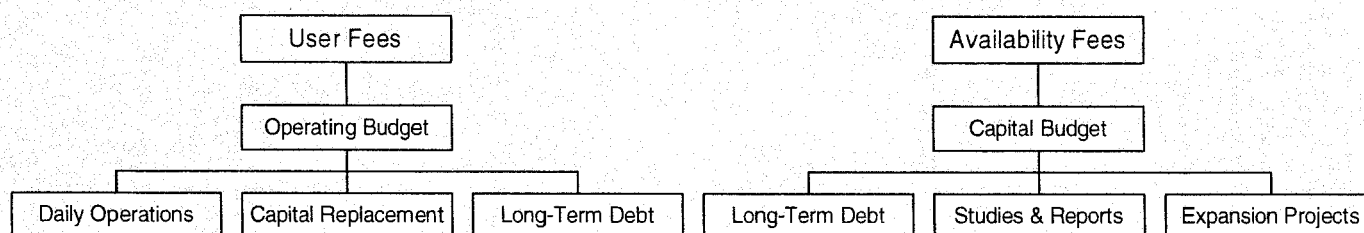
FY 2017 Budget Overview

The Fauquier County Water and Sanitation Authority's Budget is divided into Operating and Capital components, with each component intended to be financially self-sufficient. In this new format, the cash requirements of the Authority are presented with revenues that cover these cash needs. The cash requirement to be covered by the Authority includes Operation and Debt Service, Capital Improvement Program (CIP) and Repair and Replacement project (R&R). Also, the Authority understands the obligation of starting to restrict cash for capital needs in the future and reduce borrowing. With this in mind, the Authority is planning to take advantage of the low interest rates and cover some of the projects with debt service. This will assist in meeting restricted cash balances. Within the context of slow to moderate growth, continued outside pressures and regulatory requirements, the User fees and Capital revenue will be used to meet cash obligations.

In ideal conditions, the Operating Budget receives most of its revenue from user charges. The typical activities charged to this Budget are related to providing service to the Authority's existing customers. Activities include operation, maintenance, administration and replacement of existing facilities and equipment.

Similarly, the Capital Budget receives its revenue from the collection of Water and Sewer Availability Fees. The activities charged to this Budget are related to the expansion of water and wastewater capacity to serve future and present customers. Activities include Capital construction projects, planning studies and long-term debt service on expansion projects.

The chart below illustrates the preferred flow of funds within the Operating and Capital Budgets:



There are times when growth does not pay for growth. In less than ideal conditions however, of necessity, revenues and necessary expenses are comingled so that essential services are provided and loan covenant obligations are met, whether funded by Operating or Capital Revenues. As has happened in the past, with reduced or no Capital Revenues, debt service payments have had

to be paid from the Authority's Operating funds. In effect, the Authority's Water and Sewer Base Service and Usage Fees include a portion to cover the Capital and debt service obligations.

The FY17 Budget projects \$9,006,001 in Operating Revenues, representing an increase of 13.69% from the adjusted FY16 Budget, with an increase to the User Fees (9.5%) to offset rising costs related to a) increasing chemical, utilities, fuel expenses, b) inflation, c) increased Operating Costs from having to operate more advanced Chesapeake Bay compliant facilities, d) new water treatment facility, e) new debt service and f) the necessity of maintaining adequate Cash Reserves. Total expenses, including depreciation, are budgeted at \$9,821,707. This is an increase of approximately 4.84% from the adjusted FY16 Budget. Depreciation expense is projected at \$3,000,000 in FY17 is the same as FY16. The Depreciation Expense is 31% of the FY17 Operating Expenses.

Availability Fee Revenue projected for FY17 is \$688,415 for water and \$445,900 for sewer as the development market is projected to show some positive growth.

The table below summarizes the projected FY17 Operating Budget:

	<i>FY 2016 (Adjusted)</i>	<i>FY 2017</i>
Total Revenues	\$7,921,626	\$9,006,001
Total Expenses	\$9,368,078	\$9,821,707
Net Income (Loss)	\$(1,446,452)	\$(815,705)
Depreciation	\$3,000,000	\$3,000,000
Income (Loss) Before Depreciation	\$1,558,459	\$2,184,295

Minimizing the budget variance requires aggressive budgeting and budget management by staff. This is particularly critical in the context of the requisite improvements of the Authority's WWTP's imposed by the partially funded mandates of the Chesapeake Bay Initiative. While Department Managers minimize the overall budget variance and retain most of the authority for budgeting of individual line items, they have focused effectively on cost containment and the identification of the fundamental expenses required for our provision of essential services to the Authority's customers. The Authority's Executive Management commends them for their efforts and will continue to focus on the reasonableness of their expenses and how the overall departmental budgets meet necessary budget limits.

Growth Assumptions in the FY 2017 Budget

The number of Building Permit Releases issued by our Developer's Services Department has remained steady with approximately 100 as we approach the fourth quarter of FY 2016. This trend is likely to continue through FY 2017 and a conservative growth factor of 2% will be used for FY 2017. For the out-years 2% will be used for FY 2018 through FY 2021. Revenue trends dating back to FY 2010 indicate that a slow growth in the customer base and in related service fee revenues can be expected during FY 2017. There are two developments that have been approved that could affect the growth rate.

Availability Fee Revenue estimates are a projection of probable growth based on the currently active development projects being constructed throughout the Authority's Service Areas and the actual collection of Availability Fees for the first half of FY 2016. Based primarily on the number of housing starts throughout the County, total Availability Fees from developer projects for FY 2017 are projected on the assumption that 85 Water and 35 Sewer Availability Fees will be collected.

FAUQUIER COUNTY WATER SANITATION AUTHORITY

Fiscal Operation History

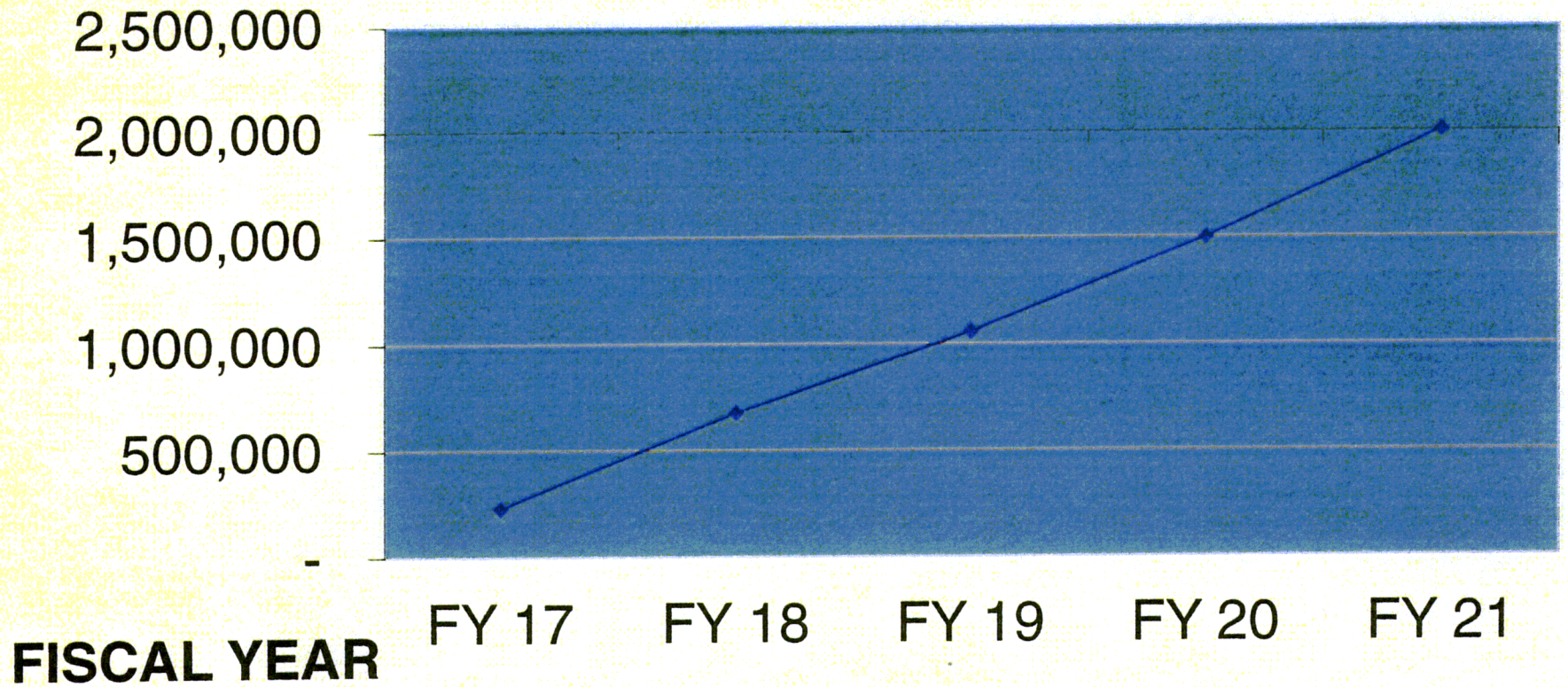
FY 08 - FY 17

DESCRIPTION	FY 08 AUDIT (Jul 07/Jun 08)	FY 09 AUDIT (Jul 08/Jun 09)	FY 10 AUDIT (Jul 09/Jun 10)	FY 11 AUDIT (Jul 10/Jun 11)	FY 12 AUDIT (Jul 11/Jun 12)	FY 13 AUDIT (Jul 12/Jun 13)	FY 14 AUDIT (Jul 13/Jun 14)	FY 15 AUDIT (Jul 14/Jun 15)	FY 16 BUDGET (Jul 15/Jun 16)	FY 17 BUDGET (Jul 16/Jun 17)
Water Service Fees	\$2,695,893	\$3,031,716	\$2,807,897	\$3,150,219	\$2,722,134	\$2,780,103	\$3,290,504	\$3,079,242	\$3,344,981	\$3,914,765
Sewer Service Fees	\$2,070,737	\$2,054,635	\$2,807,471	\$3,132,887	\$3,119,616	\$3,202,582	\$3,390,211	\$3,478,965	\$3,727,240	\$4,312,894
Operating Revenues	\$5,204,756	\$5,675,696	\$6,180,467	\$6,755,338	\$7,185,949	\$7,185,949	\$7,394,122	\$7,345,545	\$7,921,626	\$9,006,001
Water Customers	5,417	5,467	5,467	5,470	5,512	5,584	5,640	5,696	5,753	5,811
Sewer Customers	3,618	3,653	3,653	3,667	3,705	3,756	3,794	3,832	3,870	3,909
Personnel	\$2,200,437	\$2,204,681	\$2,163,497	\$2,172,426	\$2,316,456	\$2,383,249	\$2,515,181	\$2,589,339	\$3,028,867	\$3,246,183
Benefits	\$742,049	\$818,458	\$748,240	\$786,446	\$807,772	\$750,307	\$829,358	\$896,947	\$1,032,257	\$1,095,621
Number of Employees	49.0	49.0	45.0	45.0	45.0	45.0	45.0	45.0	46.0	46.0
Depreciation Expense	\$2,068,985	\$2,486,274	\$2,485,492	\$2,521,187	\$2,750,000	\$3,000,000	\$3,276,736	\$3,000,000	\$3,000,000	\$3,000,000
Grand Total Operating Expenses	\$6,999,731	\$7,450,944	\$7,170,215	\$7,269,103	\$9,284,078	\$8,787,858	\$9,350,790	\$8,638,048	\$9,368,078	\$9,821,707
Less Depreciation Expenses	\$2,068,985	\$2,486,274	\$2,100,000	\$2,521,187	\$2,750,000	\$3,002,676	\$3,276,736	\$3,000,000	\$3,000,000	\$3,000,000
Operating Expenses Before Depreciation	\$4,930,746	\$4,964,670	\$5,070,215	\$4,747,916	\$6,534,078	\$5,785,182	\$6,074,054	\$5,638,048	\$6,368,078	\$6,821,707
Net Operating Profit (Loss)	(\$1,794,975)	(\$1,775,248)	(\$989,748)	(\$513,766)	(\$2,098,129)	(\$1,601,909)	(\$1,956,668)	(\$1,292,503)	(\$1,446,452)	(\$815,705)
Operating Profit (Loss) Before Depreciation	\$274,010	\$711,026	\$1,110,252	\$2,007,422	\$651,871	\$1,400,767	\$1,320,068	\$1,707,497	\$1,553,548	\$2,184,295
Capital Revenues	\$1,334,882	\$392,230	\$342,625	\$554,896	\$0	\$0	\$3,719,970	\$2,202,139	\$949,130	\$1,134,315
Debt Service	\$1,499,049	\$1,304,633	\$1,365,223	\$1,464,917	\$24,633,215	\$15,413,831	\$1,339,498	\$1,062,225	\$1,500,674	\$1,583,952
Purchase of Plant, Prop. and Equip.	\$6,165,169	\$2,780,478	\$9,149,938	\$4,209,594	\$669,330	\$501,260	\$1,101,518	\$2,006,609	\$1,360,000	\$560,000
Cash on hand	\$0	\$4,440,291	\$4,785,296	\$4,642,064	\$4,203,289	\$5,196,213	\$5,082,642	\$5,879,111	\$5,022,022	\$5,848,437

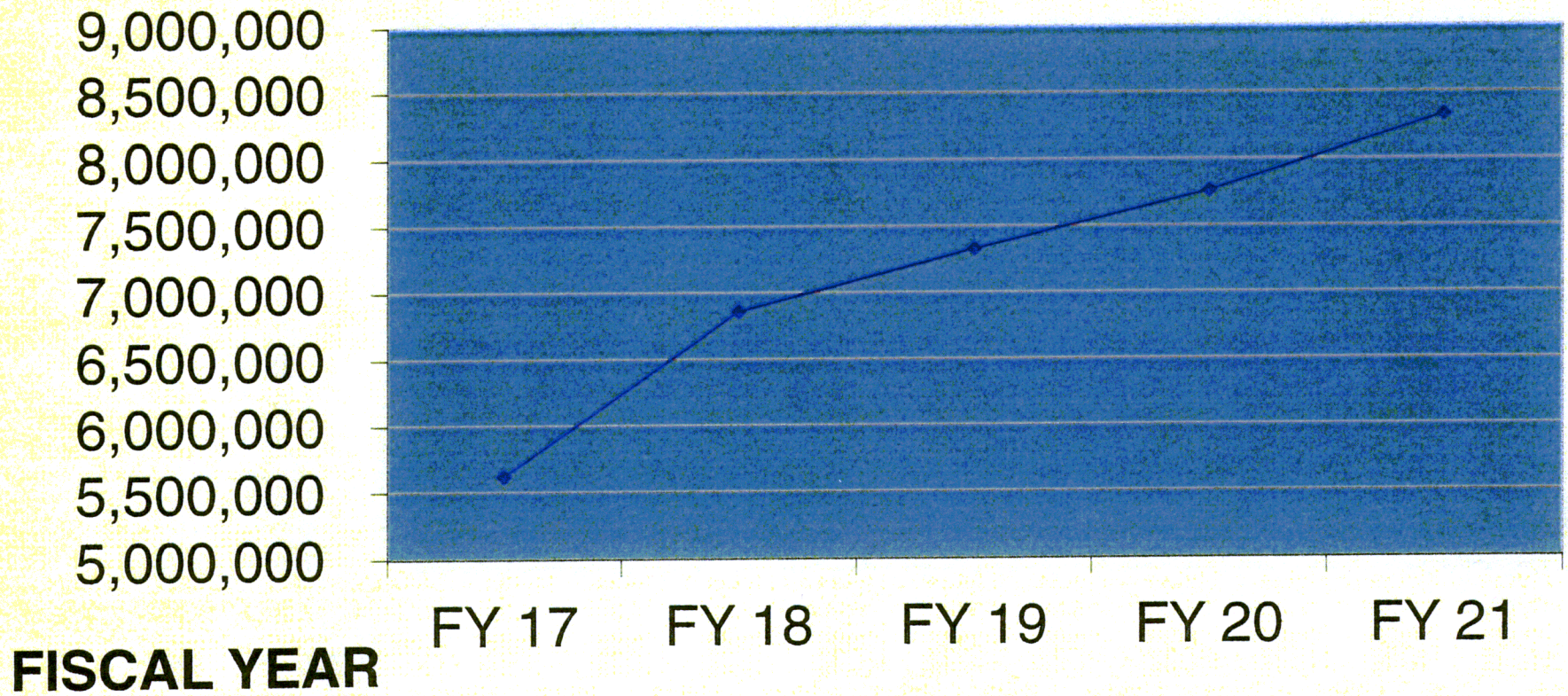
Availability Fees to Operations 80%, 60%, 40%, 30% and 20%

Assumptions		4. Debt Service Fee based on users' service fees, FY17, FY18 0% FY19-4%&20-2.8% FY21 0% The Debt Service's coverant of 1.15% is covered with the set rates				
1. Includes 2% growth for FY17 - FY21						
2. Increase in User Rates , FY17@ 9.5% , FY18,7% ,FY19,3%,FY20-3%,FY21 3%						
3. Availabilities assigned FY17, FY18 85 w & 35s, FY19, FY20 & FY21-70w,5s		5. Interest Rate of 17@1%,18@1.25%,19@1.5%\$20 - 21@2%				
Availability percentage moved to Operation FY17-80% FY18 60% FY19 40% FY20 30% & FY21 20%						
	Description	FY 17 Approved Budget	FY 18 Projected Budget	FY 19 Projected Budget	FY 20 Projected Budget	FY 21 Projected Budget
Operations Budget						
Revenue	Water & Sewer Service Fees	\$ 8,227,645	\$ 9,077,496	\$ 9,939,858	\$ 10,436,851	\$ 10,958,694
	Availability Fees(Direct Expense & Legal Component)	112,185	112,185	62,370	62,370	62,370
	Availability Feespercentage from Capital	907,452	680,589	252,252	189,189	126,126
	Rate Adjustments,	685,298	680,812	298,196	313,106	328,761
	Interest Income	40,458	59,295	76,232	85,042	94,939
	Other Income	625,700	638,214	650,978	663,998	677,278
	Total Operating Revenue	10,598,737	11,248,591	11,279,886	11,750,555	12,248,167
Expenditures	Salaries	3,246,183	3,376,030	3,511,071	3,651,514	3,797,575
	Fringe Benefits	1,095,621	1,299,772	1,351,762	1,405,833	1,462,066
	Administration	495,525	510,391	525,702	541,474	557,718
	Operations	1,984,378	2,043,909	2,105,227	2,168,383	2,233,435
	Cash Funded CIP	200,000	500,000	500,000	500,000	500,000
	Cash Funded R&R	250,000	500,000	500,000	500,000	500,000
	Machinery & Equipment	110,000	110,000	210,000	110,000	110,000
	Debt Service	1,583,952	1,667,230	2,105,922	2,440,733	2,524,011
	Depreciation	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
	Operations Expense Total	11,965,658	13,007,332	13,809,685	14,317,937	14,684,805
	(Shortage)/Surplus	(1,366,921)	(1,758,741)	(2,529,799)	(2,567,382)	(2,436,637)
	Depreciation	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
	Cash (shortage) Surplus w/o depreciation	1,633,079	1,241,259	470,201	432,618	563,363
Capital Budget						
Revenue	Availability Fees	1,134,315	1,134,315	630,630	630,630	630,630
	Availability Fees used in Operations	(907,452)	(680,589)	(252,252)	(189,189)	(126,126)
	Total Capital & Debt Service Revenue	226,863	453,726	378,378	441,441	504,504
Synopsis	Grand Total Revenues	10,825,600	11,702,317	11,658,264	12,191,996	12,752,671
	Grand Total Expenses	11,965,658	13,007,332	13,809,685	14,317,937	14,684,805
	Gross Cash (Shortage)/Surplus	(1,140,058)	(1,305,015)	(2,151,421)	(2,125,941)	(1,932,133)
	Net Cash (Shortage)/Surplus	1,859,942	1,694,985	848,579	874,059	1,067,867
Loan Covenants	GT Expenses (Less Deprec & Capital Exp.)	6,821,706	7,230,102	7,493,763	7,767,204	8,050,794
	Debt Service Requirements (DSx1.15)	1,821,545	1,917,315	2,421,810	2,806,843	2,902,612
	Covented Revenues (GT Exp's and 1.15 DS)	8,643,251	9,147,417	9,915,573	10,574,047	10,953,406
	Grand Total Revenues	10,825,600	11,702,317	11,658,264	12,191,996	12,752,671
	Covented (Shortage)/Surplus	2,182,349	2,554,900	1,742,691	1,617,949	1,799,265
Cash Balance	Restricted for Capital	226,863	680,589	1,058,967	1,500,408	2,004,912
	Cash balance for Operation	5,621,574	6,862,833	7,333,034	7,765,652	8,329,015
	Cash Balance at End of FY	\$ 5,848,437	\$ 7,543,422	\$ 8,392,001	\$ 9,266,060	\$ 10,333,927

5 YEAR CAPITAL CASH FLOW

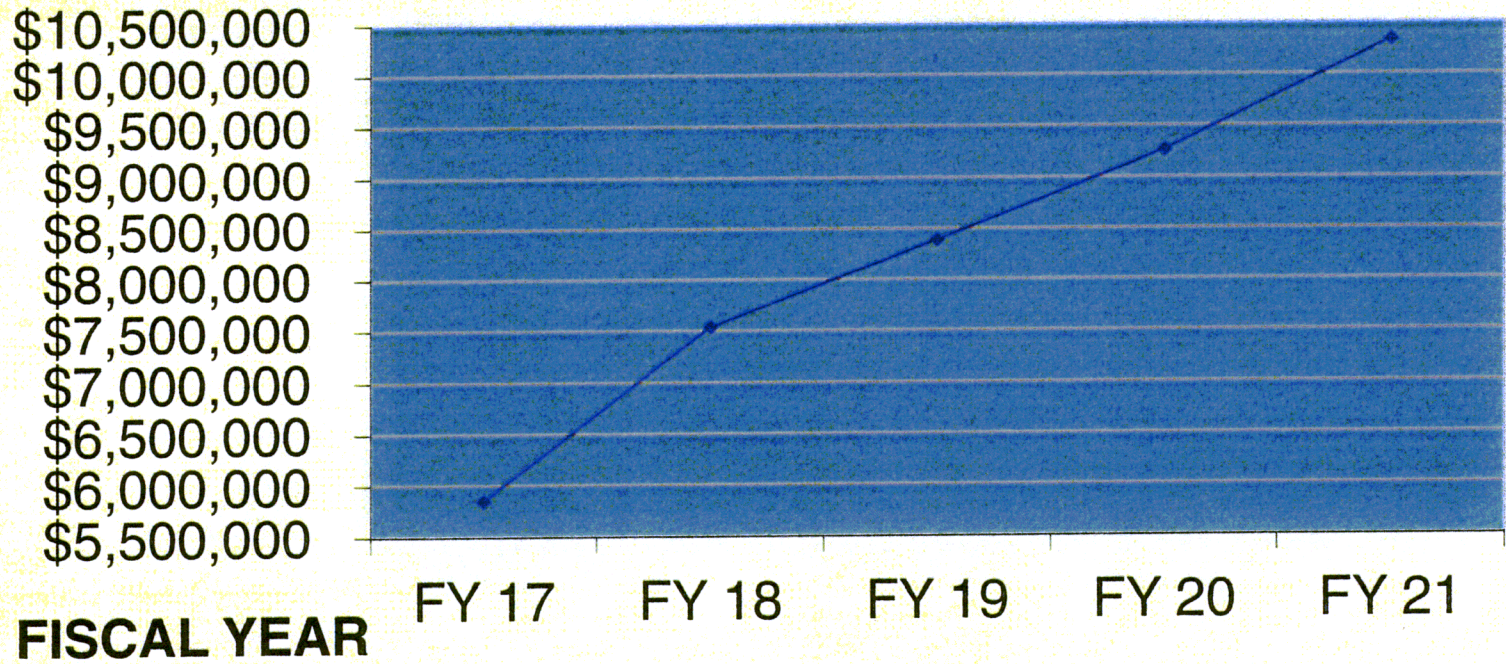


5 YEAR OPERATION CASH FLOW



FAUQUIER COUNTY WATER SANITATION AUTHORITY

5 YEAR TOTAL CASH FLOW



Revenue and Expenses Overview

The Authority recognizes the slow economic recovery from the down turn of the last several years and mixed signals for the future. By primarily funding only essential services, moving some contracted service in-house, and using the Construction Department for projects, the Operating Expenses have maintained approximately the same levels for the last five years.

In FY17, the Authority's Total Operating Expenses have been increased by 4.84%. As stated above, a significant portion of the expense increase is due to the ENR operating costs and depreciation expense. Also, a COLA and longevity step has been included in the salary program for the employees, but at the rate less than prior years before the current economic down turn occurred.

An important strategy in helping to keep the expenses down for our customers is to manage the debt service for the Authority. The Chesapeake Bay Enhanced Nutrient Reduction program, a partially funded mandate, is and will be a major cost for the Authority and our customers. The Authority has planned to upgrade the Marshall and Remington plants to meet the nutrient requirement in two phases. However, the major costs for these plants will not come until after 2028 (\$25M+). In planning the current debt obligation, the Authority has set terms for approximately \$6,959,148 of the \$8,067,682 to be repaid by 2024 with the exception of the first phase of the Remington WWTP which is on a twenty year note scheduled to be paid off in FY 2031.

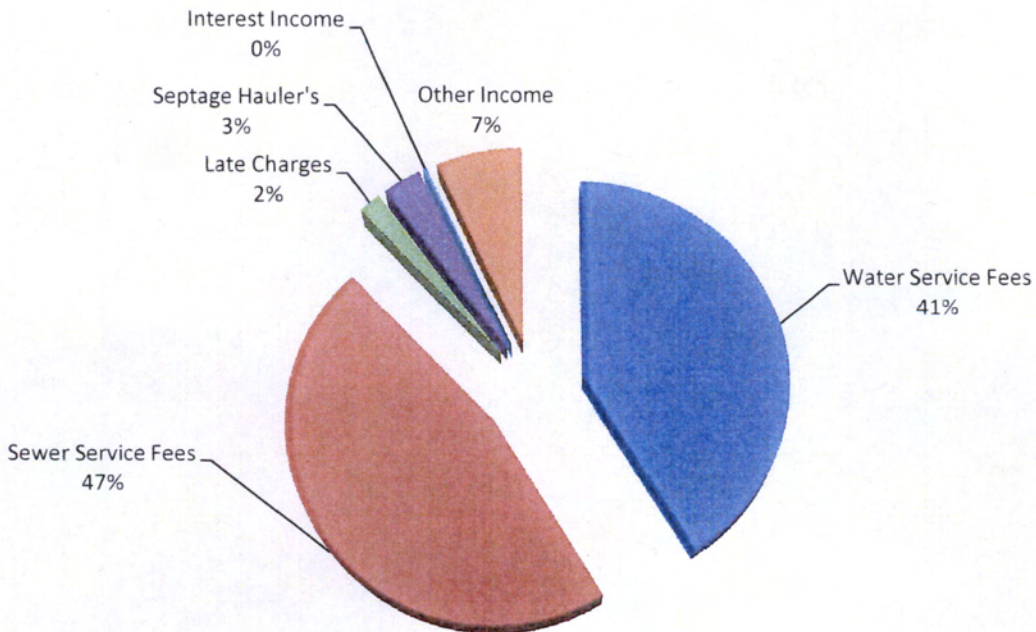
FAUQUIER COUNTY WATER & SANITATION AUTHORITY
Income Statement Approved Budget
FY 2017

	Amended FY 15 Budget	Amended FY 16 Budget	Approved FY 17 Budget	Percentage Change
Revenues				
Water Service Fees	\$ 3,098,922	\$ 3,344,981	\$ 3,914,765	17.03%
Sewer Service Fees	3,524,999	3,727,240	4,312,894	15.71%
Water Availability Fees	886,400	566,930	688,415	21.43%
Sewer Availability Fees	891,800	382,200	445,900	16.67%
Interest Income	40,078	40,518	40,458	-0.15%
Other Income	1,125,755	808,887	737,885	-8.78%
Total Income	9,567,954	8,870,756	10,140,316	14.31%
Expenses				
Personnel	2,622,093	3,028,867	3,246,183	7.17%
Benefits	884,865	1,032,257	1,095,621	6.14%
Operation	2,222,880	2,273,554	2,424,003	6.62%
Depreciation	2,982,641	3,000,000	3,000,000	0.00%
Capital	34,366	33,400	55,900	67.37%
Total Expenses	8,746,845	9,368,078	9,821,707	4.84%
Net Income	821,109	(497,322)	318,610	164.07%
Depreciation	2,982,641	3,000,000	3,000,000	0.00%
Income (Loss) before Depreciation	\$ 3,803,750	\$ 2,502,678	\$ 3,318,610	32.60%

FAUQUIER COUNTY WATER & SANITATION AUTHORITY
Revenues
FY 2017

		Amended	Approved	Percentage
		FY 16 Budget	FY 17 Budget	Change
Operating Revenues	Water Service Fees	3,344,981	\$ 3,914,765	17.03%
	Sewer Service Fees	3,727,240	4,312,894	15.71%
	Late Charges	150,000	150,000	0.00%
	Septage Hauler's	225,000	250,000	11.11%
	Meter Installation	7,200	7,200	0.00%
	Inspection Fees	20,000	20,000	0.00%
	Plan Review Fees	20,000	20,000	0.00%
	Miscellaneous Income	50,000	50,000	0.00%
	Interest Income	40,518	40,458	-0.15%
	Other Income	336,687	240,685	-28.51%
	Total Operating Revenue	7,921,626	9,006,001	13.69%
Capital Revenue	Water Availability Fees	566,930	688,415	21.43%
	Sewer Availability Fees	382,200	445,900	16.67%
	Total Capital Revenue	949,130	1,134,315	19.51%
Total Revenues		8,870,756	10,140,316	14.31%

Revenue Sources

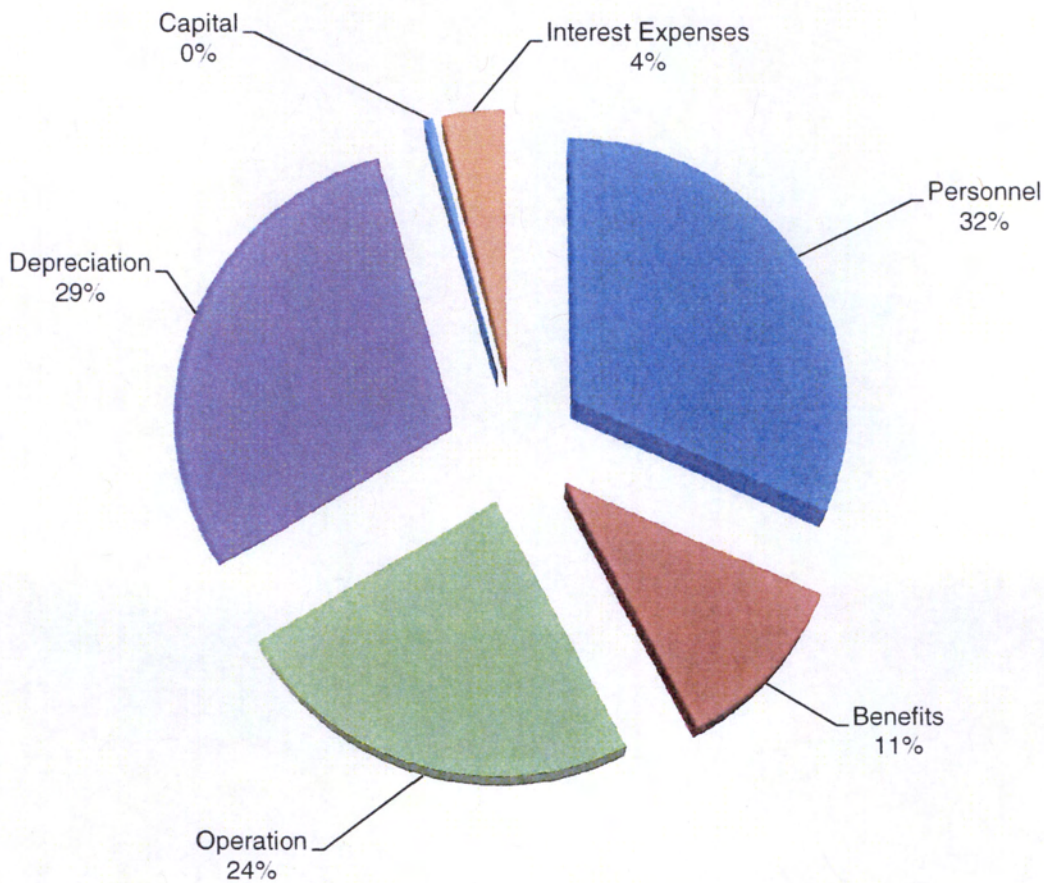


FAUQUIER COUNTY WATER & SANITATION AUTHORITY

**Expenses
FY 2017**

		Amended FY 16 Budget	Approved FY 17 Budget	Percentage Change
Operating Expenses	Personnel	3,028,867	3,246,183	7.17%
	Benefits	1,032,257	1,095,621	6.14%
	Operation	2,273,554	2,424,003	6.62%
	Depreciation	3,000,000	3,000,000	0.00%
	Capital	33,400	55,900	67.37%
	Total Operating Expenses	9,368,078	9,821,707	4.84%
Capital Expenses	Interest Expenses	285,285	384,000	34.60%
	Total Capital Expenses	285,285	384,000	34.60%
	Total Expenses	9,653,363	10,205,707	5.72%

Expenses by Function



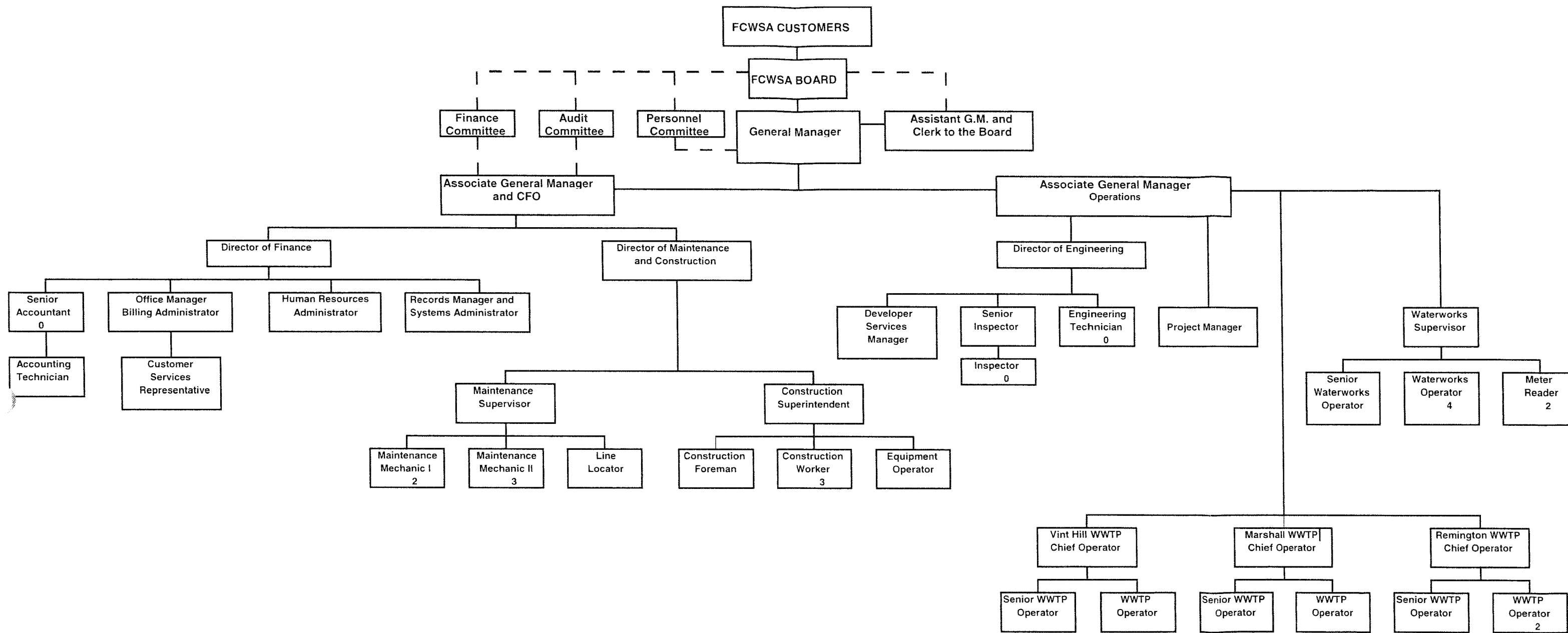
Personnel Overview

The FY 17 Budget proposes a change to the Authority's currently authorized staffing levels. This includes an addition of an assistant to the General Manager; and the Engineer a status change from part-time to full time position. In support of staff's budgetary cost containment efforts, the total approved Salary and Benefit Budget for FY 17 is \$4,341,804 including the Construction Department personnel, whose salaries and benefit costs are funded from specific project budgets. The Salary and Benefits is an increase of \$268,153 (6.6%) from the prior year. However, the increase without the new requested position and engineer to full time is \$154,175(3.8%). The Budget contains a 2% cost of living adjustment (COLA), no funding for merit, and a 2% funding of the longevity step increases. No funding for the employee bonus, awards or cost savings programs are included as a base line in the FY17 Budget. There is, however, a \$10,000 expenditure line reserved for the Authority's Spot Award Program as may be earned throughout the year by the exemplary performances of individual employees, as recognized by their supervisors and/or peers. Since increase in growth, revenues or demand for the Authority's services is anticipated, as summarized below, one additional position is currently required. Given the general growth of the economy and revenues and the unfunded mandatory regulatory expenses resultant from the Chesapeake Bay Initiative, salaries in this year's budget are designed to maintain service levels.

Summary of Staffing Levels

Department	Positions FY 14	Positions FY 15	Positions FY 16	Positions FY 17
Administration	9	9	9	9
Engineering	4	4	4	4
Wastewater	11	11	12	12
Water	8	8	8	8
Maintenance	8	8	8	8
Construction	5	5	5	5
Total	45	45	46	46

FCWSA ORGANIZATION



FAUQUIER COUNTY WATER & SANITATION AUTHORITY

**Personnel and Benefits
FY 2017 Approved Budget**

Departments	FY 14 SALARY	FY 15 Salary	FY 16 SALARY	FY 17 SALARY	FICA	VRS RET.	VRS LIFE	HEALTH INS PLAN	WORK'S COMP	TOTAL BENEFITS	TOTAL SAL/BEN
Board of Directors	47,424	49,088	55,547	51,600	3,947	-	-	-	-	3,947	55,547
Administration: Salary & Benefits	917,778	934,163	991,024	802,956	57,122	28,271	8,520	141,025	776	235,714	1,038,670
Overtime	-	-	-	-	-	-	-	-	-	-	-
Total Administration	917,778	934,163	991,024	802,956	57,122	28,271	8,520	141,025	776	235,714	1,038,670
Engineering Department Salary & Benefits	340,664	334,030	374,619	325,038	24,865	14,237	4,291	65,008	6,259	114,660	439,698
Overtime	1,163	263	1,050	1,050	80	-	-	-	20	101	1,151
Total Engineering	341,827	334,293	375,669	326,088	24,946	14,237	4,291	65,008	6,279	114,760	440,848
Water Department Salary & Benefits	588,110	609,702	612,031	513,831	39,308	23,715	6,783	63,235	15,203	148,245	662,076
Overtime	9,350	18,525	9,350	10,000	765	-	-	-	301	1,066	11,066
Total Water	597,460	628,227	621,381	523,831	40,073	23,715	6,783	63,235	15,505	149,311	673,142
Sewer Department Salary & Benefits	835,309	807,376	934,854	699,351	53,500	31,310	9,231	142,694	12,480	249,216	948,567
Overtime	11,842	34,961	10,800	23,600	1,805	-	-	-	421	2,227	25,827
Total Sewer	847,151	842,337	945,654	722,951	55,306	31,310	9,231	142,694	12,901	251,442	974,393
Maintenance Department Salary & Benefits	643,987	690,260	657,117	536,916	41,074	24,458	7,087	124,048	19,469	216,136	753,052
Overtime	22,172	25,816	22,172	20,000	1,530	-	-	-	726	2,256	22,256
Total Maintenance	666,159	716,076	679,289	556,916	42,604	24,458	7,087	124,048	20,195	218,392	775,308
Construction Department Salary & Benefits	378,498	380,887	394,321	251,841	19,266	11,523	3,324	78,083	9,093	121,289	373,130
Overtime	-	-	-	-	-	-	-	-	-	-	-
Total Construction	378,498	380,887	394,321	251,841	19,266	11,523	3,324	78,083	9,093	121,289	373,130
Departmental Totals	3,796,297	3,885,072	4,062,885	3,236,183	243,264	133,514	39,236	614,093	64,749	1,094,856	4,331,039
Merit Pay	10,765	10,765	10,765	10,000	765	-	-	-	-	765	10,765
Grand Total	3,807,062	3,895,837	4,073,650	3,246,183	244,029	133,514	39,236	614,093	64,749	1,095,621	4,341,804

Fauquier County Water Sanitation Authority
FY 17

Approved Pay Scale

Step/Grade	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	28,124	29,260	30,442	31,672	32,952	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	1
2	28,686	29,845	31,051	32,306	33,611	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	2
3	29,260	30,442	31,672	32,952	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	3
4	29,845	31,051	32,306	33,611	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	4
5	30,442	31,672	32,952	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	5
6	31,051	32,306	33,611	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	6
7	31,672	32,952	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	7
8	32,306	33,611	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	8
9	32,952	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	9
10	33,611	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	10
11	34,283	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	11
12	34,969	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	12
13	35,668	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	13
14	36,381	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	14
15	37,109	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	15
16	37,851	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	16
17	38,608	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	17
18	39,380	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	18
19	40,168	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	19
20	40,971	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	20
21	41,791	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	21
22	42,627	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	22
23	43,479	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	23
24	44,349	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	24
25	45,236	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	25
26	46,140	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	26
27	47,063	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	27
28	48,004	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	28
29	48,965	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	29
30	49,944	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	30

Fauquier County Sewer Sanitation Authority

FY 17

Approved Pay Scale

Step/Grade	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	50,943	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	1
2	51,962	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	2
3	53,001	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	3
4	54,061	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	4
5	55,142	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	5
6	56,245	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	6
7	57,370	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	7
8	58,517	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	8
9	59,688	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	9
10	60,881	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	10
11	62,099	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	11
12	63,341	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	12
13	64,608	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	13
14	65,900	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	14
15	67,218	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	15
16	68,562	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	16
17	69,933	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	17
18	71,332	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	18
19	72,759	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	19
20	74,214	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	20
21	75,698	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	21
22	77,212	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	22
23	78,756	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	23
24	80,332	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	24
25	81,938	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	25
26	83,577	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	26
27	85,248	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	27
28	86,953	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	28
29	88,693	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	29
30	90,466	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	30

Fauquier County Water Sanitation Authority
FY 17
Approved Pay Scale

Step/Grade	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
1	92,276	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	1
2	94,121	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	2
3	96,004	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	3
4	97,924	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	4
5	99,882	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	5
6	101,880	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	6
7	103,917	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	7
8	105,996	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	8
9	108,116	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	9
10	110,278	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	10
11	112,484	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	11
12	114,733	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	12
13	117,028	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	13
14	119,368	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	14
15	121,756	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	15
16	124,191	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	16
17	126,675	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	17
18	129,208	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	18
19	131,792	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	19
20	134,428	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	20
21	137,117	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	238,724	21
22	139,859	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	243,498	22
23	142,656	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	238,724	248,368	23
24	145,509	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	243,498	253,336	24
25	148,420	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	238,724	248,368	258,402	25
26	151,388	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	243,498	253,336	263,570	26
27	154,416	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	238,724	248,368	258,402	268,842	27
28	157,504	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	243,498	253,336	263,570	274,219	28
29	160,654	167,145	173,897	180,923	188,232	195,837	203,748	211,980	220,544	229,454	238,724	248,368	258,402	268,842	279,703	29
30	163,867	170,488	177,375	184,541	191,997	199,753	207,823	216,219	224,955	234,043	243,498	253,336	263,570	274,219	285,297	30

Administrative Budget FY 17

Overview:

The Administrative Department, led by the Associate General Manager/COF, is made up Finance (Director of Finance and Accounting Technician), Human Resources (Personnel Administrator), Customer Services (Billing Administrator and Customer Services Representative), and IT (Records Manager). The responsibilities of these departments are to keep abreast of any new legislative action that will affect the operations of the Authority, plan and execute the independent audit of the financial reports and records, develop and execute the budget and finances, have effective internal controls, and to make recommendations to the Board of Directors.

Principle Expenditures:

While the FY 17 Administrative Budget has an overall increase of 3.67%, the operations' expenses have increased due to fuel, utilities, training, maintenance contracts and insurance. Depreciation expenses, although not a cash outlay, is flat. The Interest expense increased 34.5% over FY 16. This increase is due to converting a construction loan, interest only payments, to a permanent loan.

The following table gives the number of checks issued and percentage issued within the allotted time periods:

Year	Number of check issued	Issued within 30 days	Issued within 45 days	Over 45 days
FY2015	1871	95%	3.5%	1.5%
FY2014	1751	96%	2%	2%
FY2013	1663	97%	2%	1%
FY2012	1410	97%	2%	1%
FY2011	1336	94.5%	3.4%	2.1%
FY2010	1501	93%	6%	1%
FY2009	1800	90%	8%	2%

Engineering Department Budget FY 17

Overview

Overseen by the Associate General Manager/Director of Operations, the Engineering Department consists of the Director of Engineering, a Project Manager/Engineer, the Developer Services Coordinator and a Construction Inspector.

The Engineering Department is responsible for coordination of all developer-related engineering and construction activities as well as management of the Authority's Capital Improvements Plan, including managing engineering design contracts and construction contracts and keeping the Utility Standards Manual current.

Principle Expenditures

The principle expenditures in the Engineering Department are the salaries and benefits of the 4 employees in the department.

The proposed FY 17 operating budget for the Engineering Department is 14.8% higher than in the FY 16 budget. The majority of the increase is attributed to updates to the automation capabilities of the Authority including maintenance contracts for GIS and SCADA.

The Engineering Department reviews and provides comments for all Plats and Plans submitted to the Authority for review. These plats and plans are resubmitted for a second and sometimes for third review. The following tables represent all plan and plat reviews performed during the previous fiscal year:

PLATS

Year	Plats	30 days	45 days	>45 days	Percentage
2015	28	27	1	0	96%
2014	53	51	2	0	96%
2013	7	6	0	1	86%
2012	5	4	0	1	80%
2011	21	20	1	0	100%
2010	13	9	4	0	100%
2009	11	6	3	2	82%
2008	12	6	3	3	75%

PLANS

Year	Plans	30 days	45 days	>45 days	Percentage
2015	80	76	4	0	95%
2014	48	47	1	0	98%
2013	16	16	0	0	100%
2012	10	8	2	0	100%
2011	25	20	4	1	100%
2010	14	12	2	0	100%
2009	12	7	2	3	75%
2008	20	10	7	3	85%

As is shown in the tables above, there has been a substantial increase in the number of plans and plats that were reviewed during the previous fiscal years. This is due in part to the increase in proposed developments within the community, but can also be attributed to the construction of a submission database in FY2014 allowing for more accurate tracking of submissions.

FAUQUIER COUNTY WATER & SANITATION AUTHORITY

**Administration
FY 2017**

	Actual		Amended	Approved	PCT.
	2014	2015	2016	2017	Change
Personnel	724,150	744,188	801,636	864,556	7.85%
Benefits	273,822	239,063	244,935	240,425	-1.84%
Operation	505,953	441,759	432,900	451,100	4.20%
Interest	219,958	188,494	285,285	384,000	34.60%
Depreciation	3,276,735	2,982,641	3,000,000	3,000,000	0%
Capital	11,346	5,975	11,700	11,700	0%
Total	5,011,964	4,602,120	4,776,456	4,951,781	3.67%

**Engineering/Inspection
FY 2017**

	Actual		Amended	Approved	PCT.
	2014	2015	2016	2017	Change
Personnel	261,379	237,517	277,676	326,088	17.43%
Benefits	83,842	96,776	97,993	114,760	17.11%
Operation	15,815	19,028	32,300	31,225	-3.33%
Capital	3,847	3,119	4,500	1,500	-66.67%
Total	364,883	356,440	412,469	473,573	14.81%

Department of Operations – Budget FY 17

Overview

The Department of Operations is responsible for the continuous operation of the WSA's water and wastewater facilities and their associated infrastructure. The Department of Operations is also contracted to operate and maintain the Vint Hill water system (as owned by the Buckland Water) and the Mary Walters and H. M. Pearson elementary school wastewater systems (as owned by the County of Fauquier). Further, the Department of Operations performs monthly meter reading in support of customer billing, responds to service calls when customers initiate or discontinue service, detect leaks, have water quality issues or other needs. Finally, the Department of Operations provides monitoring, testing and billing functions for the Old Dominion Electrical Cooperative (ODEC) Marsh Run Generating Plant.

The Associate General Manager/Director of Operations (AGM/DO) oversees the two divisions within the Department of Operations: The Waterworks Department consists of six Waterworks Operators and two Meter Readers. The Wastewater Department consists of three plants (Remington, Marshall, and Vint Hill) and ten Wastewater Operators. Also, the AGM/DO and a floater are included in the Wastewater department.

The utilization of Work Order tracking software has allowed us to estimate the efficiency of individual departments by comparing available work time (i.e. regular time and overtime less leave and holidays) to time on site (which includes travel time). It also allows for tracking of repairs and associated cost. This history helps to determine major equipment replacements.

Principal Expenditures

The proposed FY 2017 budget for the Department of Operations is \$3,224,411 This represents a \$197,817 (6.5%) increase from the department's FY 2016 budget.

The increase in cost is due mainly to four main line items; chemicals, sludge disposal, fuel and utilities expenses associated with the WSA's Water and Wastewater Systems daily operations. Cost increases within these line items are due to a combination of increased regulatory treatment requirements and increases in the market price for commodities.

The following table shows KWH usage and water loss percentage:

Annual KWH Used	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
KWH	5,701,419	5,809,851	5,419,477	5,173,289	4,144,121
Water loss	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
Percentage	11.23 %	8.57%	10.71%	19.57%	8.92%

FAUQUIER COUNTY WATER & SANITATION AUTHORITY

Water Department

FY 2017

	2013	Actual 2014	2015	Amended 2016	Approved 2017	PCT. Change
Personnel	418,543	440,638	494,104	465,098	523,831	4.21%
Benefits	112,906	131,774	134,123	138,242	149,311	-5.72%
Operation	394,357	410,683	528,818	515,614	545,455	7.35%
Capital	27,091	31,246	27,681	41,000	42,000	31.22%
Total	952,897	1,014,341	1,184,726	1,159,954	1,260,597	5.02%

FAUQUIER COUNTY WATER & SANITATION AUTHORITY

**Remington WWTP
FY 2017**

	Actual		Amended 2016	Approved 2017	PCT. Change
	2014	2015			
Personnel	414,342	233,205	258,514	282,075	9.1%
Benefits	155,308	109,466	99,699	99,193	-0.5%
Operation	236,231	285,300	465,520	524,700	12.7%
Capital	72,666	65,187	2,000	5,500	175.0%
Total	878,547	1,017,831	825,733	911,468	10.4%

**Marshall WWTP
FY 2017**

	Actual		Amended 2016	Approved 2017	PCT. Change
	2014	2015			
Personnel	174,874	194,879	201,137	215,059	6.9%
Benefits	49,064	54,133	66,156	71,250	7.7%
Operation	141,194	122,434	162,000	161,180	-0.5%
Capital	3,065	1,531	1,750	3,000	71.4%
Total	368,197	372,977	431,043	450,489	4.5%

**Vint Hill WWTP
FY 2017**

	Actual		Amended 2016	Approved 2017	PCT. Change
	2014	2015			
Personnel	205,087	198,400	249,550	225,817	-9.5%
Benefits	44,783	52,253	70,598	81,000	14.7%
Operation	228,607	255,178	285,941	293,540	2.7%
Capital	28,873	11,285	3,500	1,500	-57.1%
Total	507,350	517,117	609,589	601,857	-1.3%

Department of Maintenance and Construction – Budget FY 17

Overview

The department is overseen by the Associate General Manager/CFO, the Director of Maintenance and Construction runs the two divisions within this department. The Maintenance Division consists of one Maintenance Supervisor, five Maintenance Mechanics and one Line Locator. The Construction Division consists of one Superintendent, one Foreman, one Equipment Operator and two Construction Workers.

The Department of Maintenance and Construction is responsible for maintaining and/or repairing all of the Authority's water and wastewater facilities and related distribution/collection infrastructures to facilitate the continual provision of our utility services. The Maintenance Division also staffs a twenty-four hour on-call service for emergency repairs. The Maintenance Department also locates all of the Authority's water and/or sewer lines in accordance with the requirements of Miss Utility. The Construction Division is responsible for constructing upgrades and expansion projects for the improvement and/or expansion of the Authority's water and/or sewer systems and has consistently done so at a cost that has been lower than would be incurred utilizing third party contractors. In addition Construction Division personnel and resources are employed in assisting the Maintenance Division during major emergency repairs.

The utilization of new Work Order tracking software has allowed us to estimate the efficiency of the department. The following table shows the work orders received and completed:

Fiscal Year	Work Orders	Completed	Pending	Percentage
2015	364	364	0	100%
2014	332	329	3	99%
2013	366	365	1	99%
2012	358	358	0	100%
2011	370	370	0	100%
2010	424	423	1	99%

Principle Expenditures

The proposed FY 17 budget for the Maintenance Department is \$1,554,508. This represents a \$7,247 (1.9%) increase in Operating Costs and a (\$24,647) (33.9%) increase in the Capital Expenses from the department's FY 16 budget. The total budget increase for the department is \$96,641 (6.63%).

The majority of the increase for the remainder of the department's budget stems from repair and maintenance costs, tools, and communications. The fuel expenses have been estimated based on historical experience, gallons used and an average price of \$2.30/gallon.

Although, traditionally the subcontracted maintenance service expenses have been a major cost, some of these tasks, such as well lot mowing and generator maintenance are now performed in-house for further cost savings. The Construction Division's salary and benefits have been added in the Maintenance Department budget.

FAUQUIER COUNTY WATER & SANITATION AUTHORITY

Maintenance Departments and Construction

FY 2017

	Actual		Amended	Approved	PCT.
	2014	2015	2016	2017	Change
Personnel	414,342	519,799	773,957	808,757	4.3%
Benefits	155,308	196,277	299,654	338,248	11.4%
Operation	236,230	302,341	311,500	310,100	-0.5%
Capital	72,667	62,972	72,756	97,403	33.9%
Total	878,547	1,081,389	1,457,866	1,554,508	6.63%

FAUQUIER COUNTY WATER & SANITATION AUTHORITY
Five Year Replacement and Renewal Program
FY 2017 Budget

Project	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5 YR Totals
GENERAL						
Refurbish Administration Building (Parking lot 56k, HVAC 30k, Roof Repair)	75,000	75,000				150,000
SCADA Communication Maintenance	50,000	50,000	50,000	50,000	50,000	250,000
SCADA Master Planning	40,000					40,000
Generator Replacement	69,200	71,970	60,000	60,000	60,000	321,170
Arc Flash analysis	50,000	50,000				100,000
Road maintenance - gravel, seal pave	20,000	20,000	20,000	20,000	20,000	100,000
Maintenance Shop - drainage and lot work	45,000					45,000
WATER SYSTEMS						
New Baltimore						
Marstella Water System		248,866	352,656	680,993	680,993	1,963,508
Rock Spring Water System		237,045	233,385	298,524	359,222	1,128,176
Grapewood pressure relief work			100,000			100,000
Millwood Rehabilitation, valve intersection work				100,000		100,000
Marshall						
Piedmont Well house repair project		100,000				100,000
Green Meadows						
Green Meadows Electrical Upgrade			60,000			60,000
Waterloo						
Waterloo rehabilitation, redrill, tie in well #4			100,000			100,000
Systemwide Work						
Water System - Hydrotank Replacement projects	60,000	60,000	60,000	60,000	60,000	300,000
Repair Well Houses	-	-	67,922	21,600	21,600	111,122
Upgrade Water Meters with radio read	70,000	70,000	70,000	70,000	-	280,000
Water Tank Maintenance	126,000	126,000	109,745	109,745	110,231	581,721
Utility Services Main valve exercise program	50,000					50,000
Fire Hydrant Testing Program (\$ 135 per x 800 FH every 5 years) 2014			108,000			108,000
Hydrotank automation (6 systems: Paris, Catlett, 774, Salem Church, Bethel)	14,800					14,800
Treatment media exchange (Green Meadows, 17/66, Turnbull)	50,000	50,000	50,000	50,000	50,000	250,000
Water System Major Replacements	60,000	61,800	63,654	65,564	67,531	318,548
WASTEWATER SYSTEMS						
Remington WWTP						
I&I Pipe Replacement Program - Remington (41 miles, \$ 70/ft, 800 manholes, \$ 3,000)	500,000	500,000	500,000	500,000	500,000	2,500,000
Replace Centrifuge				500,000		500,000
Secondary Clarifier Mechanism Replacement Project	15,000					15,000
RAS valves/actuators (5 total)	21,000					21,000
Sludge Transport area concrete replacement		25,000				25,000
Asphalt roads		50,000				50,000
Post air blower replacement	7,000					7,000
SCADA software upgrade (Ignition, Add old bidds)		60,000				60,000
Digester and sludge holding tank crack repair	80,000					80,000
Reactor tracks (2) resurface	16,000					16,000
Sludge Feed Pump Replacement	30,000					30,000
Vint Hill WWTP						
Manhole repair - creek	40,000					40,000
Brookside PS Electrical Upgrade (Softstart \$ 6,558 or VFD \$ 12,000)	12,000					12,000
Replace belt press			500,000			500,000
Install influent magmeter/wetwell bypass		100,000				100,000
UV PLC Screen and Motherboard	12,000					12,000
Protective Roof over methanol		5,000				5,000
Mill Run PS upgrade pumps 3 to 5 HP (VH WWTP)	50,000					50,000
SCADA remote pump stations - Brookside, East End, Riley Rd	78,200					78,200
Sand filter structure - reseal, stop leaks from trough \$17,643.86	18,000					18,000
Marshall WWTP						
I&I Pipe Replacement Program - Marshall, (21 miles, 350 manholes)	200,000	200,000	500,000	500,000	500,000	1,900,000
Microstrainer rebuild (recommend every 5 years, Marshall (2012) and VH (2016)		20,000				20,000
Reactor effluent pump replacement project	20,000					20,000
Digester rebuild - steel	20,000					20,000
LS i improvements	50,000					50,000
Railroad Crossing at Rt 55	100,000					100,000
Systemwide Work						
Wastewater Systems Major Replacements	60,000	61,800	63,654	65,564	67,531	318,548
Cash Funded	250,000	56,570	175,053	400,872	415,292	1,297,787
Cash Funded - Not Identified	-	443,430	324,947	99,128	84,708	952,213
Loan to cover 50% cash spending	500,000	500,000	500,000	500,000	500,000	2,500,000
Not Funded	1,359,200	1,242,481	2,069,016	2,167,269	1,562,387	8,400,353
Totals	2,109,200	2,242,481	3,069,016	3,167,269	2,562,387	13,150,353

Notes:

Unfunded Priorities
Priority 1 - Remington and Marshall I/I
Priority 2 - All Other R&R work

FAUQUIER COUNTY WATER & SANITATION AUTHORITY
Machinery & Equipment
FY 2017 Approved Budget

		Total
Maintenance and Water Department Vehicle & Equipment:	There are a number of vehicles that have met the criteria to be replaced this will be determined during the year	<u>110,000</u>
Total Machinery & Equipment		<u><u>110,000</u></u>

FAUQUIER COUNTY WATER SANITATION AUTHORITY

Vehicle FY 17 Approved Budget

Garage #	Year	Vehicle Description	Mileage	VIN #	Tag #	Title #	Employee/Dept.	Repl Year	Est. New Cost	
ADMINISTRATION										
2ws011	2015	Ford Fusion Hybrid	7,249	3FA6P0LU3FR131507	186247L	73084836	Administration	2022	29000	
2ws056	2008	Ford Expedition	35,006	1FMFU16558LA15879	144206L	72868020	Administration	2022	35000	
CONSTRUCTION										
2ws007	2003	Ford F750 Dump Truck (new 10/13)	112,968	3FDXX75N43M602339	179501L	54531609	Construction	2020	50000	
2ws014	1997	Ford 1 Ton Utility 4x4 Pickup (Spare)	10,050	1FTHF36F4VEC16930	34568L	72669831	Spare	NA	NA	
2ws028	2004	Ford F350 4x4 Crew Cab	97,341	1FTSW31P84EA58029	119236L	72788037	K. Crossman	2018	44000	
2ws030	2004	Ford F350 4x4 Reg. Cab	145,992	1FTSF31P44EA58030	119237L	72788038	R. Good	2016	44000	
2ws045	2007	Ford F350 4x4 Ext. Cab	58,706	1FDVX37P97EA02431	135097L	72844528	G. Saravia	2018	45000	
ENGINEERING										
2ws049	2007	Ford F150 4x4 Ext. Cab	88,744	1FTPX14V27NA79612	143472L	72862727	D. Ennis	2018	29000	
MAINTENANCE										
2ws008	1993	GMC Top Kick Dump Truck	53,271	1GDM7H1J3PJ512841	20049L	48775742	Maintenance	2018	NA	
2ws009	1996	Ford 3/4 Ton 4x4 Pickup	244,445	1FTHF26H4TEA75480	29573L	72638398	Spare	NA	NA	
2ws010	2014	Ford F150 4x4 Ext. Cab (new 8/14)	10,793	1FTFX1EF7EKE92594	185447L	73080704	J. Embrey	2021	29000	
2ws023	2002	Dodge Dakota 4x4 Pickup (Spare)	182,486	1B7GG16X22S638410	102978L	72759528	Spare	NA	NA	
2ws026	2003	GMC C-4500, Prime Mover Truck	19,743	1GDE4E1143F522528	119234L	72784196	Maintenance	2021	55000	
2ws032	2004	Ford F350 4x4 Ext. Cab	168,033	1FDWX37P14EB68244	120520L	72795540	R. Griffith	2017	46000	
2ws043	2005	Ford F150 4x4 Ext. Cab	87,557	1FTRX14WX5FB72807	130506L	72826968	J. Reed	2017	29000	
2ws046	2007	Ford F350 4x4 Ext. Cab	139,284	1FDWX37P77EA02430	135098L	72844529	S. Brown	2018	46000	
2ws057	2008	Ford F350 4x4 Ext. Cab	121,100	1FDSX35R38EB66956	144204L	72868016	T. Hamilton	2017	46000	
2ws058	2008	Ford F350 4x4 Ext. Cab	104,009	1FDSX35R38EB66957	144207L	72868017	D. Powell	2018	46000	
2ws059	2008	Ford F350 4x4 Ext. Cab	164,490	1FDSX35R38EB66958	144205L	72868022	D. Canford	2016	46000	
2ws060	2008	Ford F350 4x4 Ext. Cab	65,351	1FDSX35R48EC52812	144203L	72868013	R. Landis	2020	46000	
2ws063	2007	Ford F550 Crane Truck (new 12/12)	65,432	1FDAF57P47EA77420	175000L	53986219	Maintenance	2019	90000	
MARSHALL WWTP										
2ws016	1999	Dodge Dakota 4x4 Pickup	247,533	1B7GG26X8XS254712	34603L	72698698	Remington WWTP	NA	28000	
2ws029	2003	Chevy S10 4x4 Ext. Cab	121,930	1GCDT19X938275368	119235L	72788034	Marshall WWTP	2015	28000	
2ws035	2004	GMC Dump Truck	47,068	1GDM7C1C64F513808	123951L	72797648	Marshall WWTP	2020	41000	
REMINGTON WWTP										
2	2	1996	Chevy Blazer	145,146	1GNCT18W1TK229726	30416L	72640873	Remington WWTP	NA	NA
2	5	2008	Ford Ranger 4x4 Pickup (new 1/15)	105,314	1FTZR15E98PA88279	188303L	73088920	Remington WWTP	2022	24000
2ws027	1990	Ford Super Duty Utility Truck (Crane)	47,068	2FDLF47M4LCA42174	61449L	43151949	Maintenance	2025	NA	
VINT HILL FARMS STATION WWTP										
2ws005	2001	Ford F750 Dump Truck (new 1/13)	132,916	3FDWF75H91MA58697	175940L	53987396	Vint Hill WWTP	2020	80000	
2ws013	2006	Ford F150 4x4 Pickup (new 1/15)	130,651	1FTPX14516NB29592	188302L	73088917	Vint Hill WWTP	2022	29000	
2ws018	1999	Dodge Dakota 4x2 Pickup	177,720	1B7GL26X4XS307241	34608L	72702815	Vint Hill WWTP	NA	24000	
2ws021	2001	Dodge Dakota 4x4 Pickup	155,955	1B7GG26X91S189151	38112L	72730479	Vint Hill WWTP	2016	24000	
WATER										
2ws001	2012	Chev. Colorado 4x4 Pickup	52,092	1GCGTBF94C8151551	171948L	53974476	N. Grigsby	2019	24000	
2ws002	2012	Chev. Colorado 4x4 Pickup	37,974	1GCGTBF96C8151194	171947L	53974475	J. Bailey	2019	24000	
2ws004	2012	Chev. Colorado 4x4 Pickup	50,493	1GCGTBF93C8151735	171969L	53975470	M. Majcher	2019	24000	
2ws022	2002	Dodge Dakota 4x4 Pickup (Spare)	202,389	1B7GG16X22S579293	102968L	72752366	Spare	NA	NA	
2ws044	2006	GMC 4x4 Lift Gate Pickup	81,043	1GTHK24096E262360	135076L	72843640	J. Dzenkowski	2017	28000	
2ws050	2007	Ford F150 4x4 Ext. Cab Pickup	110,722	1FTPX14V47NA79613	143471L	72862726	E. Barker	2017	29000	
2ws053	2007	Ford F150 4x4 Ext. Cab Pickup	170,827	1FTPX14V37KD32910	144155L	72863667	Spare	NA	NA	
2ws020	2016	Ford F150 4x4 Ext. Cab Pickup	111	1FTEX1E80GFC07792	196671L	79562019	R. Brent	2021	29000	
2ws024	2016	Ford F150 4x4 Ext. Cab Pickup	113	1FTEX1E80GFC07793	196670L	79562016	J. Flohr	2021	29000	
2ws009	2016	Ford F150 4x4 Ext. Cab Pickup	112	1FTEX1E80GFC07794	196669L	79862012	B. Lambert	2021	29000	

FAUQUIER COUNTY WATER & SANITATION AUTHORITY
Capital Expenses less than \$3,500
FY 2017 Approved Budget

Operations:

Water:

Chemical Metering pumps (3)	\$ 9,000
Turbidity analyzer	\$ 3,000
Chlorine analyzer	3,000
	<u>\$ 15,000</u>

Wasterwater:

Chemscan instrumentation replacement	\$ 3,500
	<u>\$ 3,500</u>

Maintenance:

Shop press	400
Safety cabinet	1,000
Lockers	1,500
Jack hammer	1,500
Asphalt saw	1,800
Gas Detector	2,000
Sea containers	7,000
	<u>15,200</u>

Administrative:

3- Computer Replacements	2,700
	<u>2,700</u>

Grand Total	<u><u>\$ 36,400</u></u>
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Fauquier County Water & Sanitation Authority
Capital Improvement Program
FY 2017 Approved Budget

5 Year Projections

Project	FY 2017	FY2018	FY2019	FY 2020	FY 2021	TOTAL
New Baltimore						
Exploratory						
Exploratory well work (County)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Supply						
G-4 well	\$ 720,120					\$ 720,120
H-3 Connection		\$ 100,000				\$ 100,000
K well			\$ 1,298,436	\$ 1,298,436		\$ 2,596,872
Storage						
Baldwin Ridge 2nd Tank	\$ 1,850,000	\$ 563,000				\$ 2,413,000
New Baltimore modeling		\$ 50,000				\$ 50,000
New Baltimore Automation		\$ 250,000				\$ 250,000
Treatment						
Rogues Road Treatment - Phase 1		\$ 1,036,028				\$ 1,036,028
Howell Manor treatment - Iron/Mn - Greensand filters	\$ 250,000					\$ 250,000
Mill Run treatment - Iron/Mn - Greensand filters	\$ 250,000					\$ 250,000
High Rock treatment		\$ 250,000				\$ 250,000
Terranova treatment		\$ 250,000				\$ 250,000
Bealeton						
Meadowbrook Well #1 connection (2,000' line)	\$ 150,000					\$ 150,000
Meadowbrook Well #1 rehabilitation or redrill, well house modification	\$ 509,000					\$ 509,000
A-1 well (70 gpm), line (3,400 feet) and automation			\$ 1,354,360			\$ 1,354,360
A-3 well (135 gpm), line (4,000 feet) and automation				\$ 1,487,640		\$ 1,487,640
Marshall						
Project 1 - Rehabilitation Salem 4	\$ 1,328,000					\$ 1,328,000
Project 2 - Salem 3 to 4		\$ 1,734,000				\$ 1,734,000
Exploratory well work (County)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Vint Hill						
Interconnection NB water (Developer)	\$ 200,000					\$ 200,000
North End LS SCADA controls (Developer)		\$ 200,000				\$ 200,000
Opal						
Phase 1A, 250 gpm well, 250,000 gal storage tank (County Funded)	\$ 3,000,000					\$ 3,000,000
Plains						
The Plains - Nitrate Treatment (Ion Exchange)	\$ 250,000					\$ 250,000
Bethel						
Nitrate Treatment (Ion Exchange)	\$ 250,000					\$ 250,000
Botha						
Nitrate Treatment (Ion Exchange)	\$ 250,000					\$ 250,000
Unidentified Projects			\$ 800,000	\$ 800,000	\$ 800,000	\$ 2,400,000
FCWSA	\$ 200,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,200,000
County Funded	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000
Loan to cover cash spending	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000
Loans	\$ 4,557,120	\$ 3,333,028				\$ 7,890,148
Unfunded	\$ 750,000	\$ 100,000	\$ 2,652,796	\$ 2,786,076		\$ 6,288,872
Developer Funded	\$ 200,000	\$ 200,000	\$ -	\$ -		\$ 400,000
Total	\$ 9,207,120	\$ 4,633,028	\$ 3,652,796	\$ 3,786,076	\$ 1,000,000	\$ 22,279,020

FAUQUIER COUNTY VIRGINIA SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
INCOME										\$ 3,914,765
Water Service Fees	\$ 2,780,103	\$ 2,877,796	\$ 3,098,922	\$ 3,344,981	\$ 3,914,765					
Sewer Service Fees	3,202,582	3,390,211	3,524,999	3,727,240	4,312,894					4,312,894
Water Demand Fees (Oper)	66,841	67,277	66,714	80,000	-					-
Water Surcharge - Interest	75,375	69,611	81,141	34,317	-					-
Chesapeake ENR Rev - Interest	-	-	-	-	-					-
Late Charges	147,231	161,898	151,975	150,000	150,000					150,000
Septage Hauler's Fees	490,042	222,908	295,896	225,000	250,000					250,000
Meter Installations	11,070	16,907	10,360	7,200	7,200					7,200
Inspection Fees	39,083	70,986	74,474	20,000	20,000					20,000
Plan Review Fees	32,181	58,661	36,175	20,000	20,000					20,000
Legal Services (Availability)	57,250	167,370	97,060	52,150	62,325					62,325
Admin Services (Availability)	45,800	133,896	77,648	41,720	49,860					49,860
Miscellaneous Income	63,321	52,710	84,171	50,000	50,000					50,000
Interest Income	26,253	32,504	40,078	40,518	40,458					40,458
Other Income	48,816	29,334	50,141	28,500	28,500					28,500
Gain on Disposal of Assets	-	-	-	-	-					-
Insurance Proceeds	-	434,030	-	-	-					-
Vint Hill/County Reimbursement	100,000	100,000	100,000	100,000	100,000					100,000
Prior Years' Fund Balance	-	-	-	-	-					-
TOTAL OPERATING INCOME	\$ 7,185,949	\$ 7,886,099	\$ 7,789,754	\$ 7,921,626	\$ 9,006,002	\$ -	\$ -	\$ -	\$ -	\$ 9,006,001

FAUQUIER COUNTY WATER SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
EXPENSES										
GROSS SALARIES										\$ 51,600
Board Members	\$ 44,000	\$ 40,400	\$ 45,600	\$ 51,600	\$ 51,600					\$ 51,600
Administration Department	679,493	674,167	693,449	742,851	802,956					802,956
Engineering Department	181,620	256,314	235,250	276,518				325,038		325,038
Water Department	403,082	405,651	471,533	456,005		513,831				513,831
Sewer Department	576,314	683,450	567,150	697,643			699,351			699,351
Maintenance Department	391,787	384,067	489,215	753,957				788,757		788,757
Overtime	45,455	57,930	79,888	40,293		10,000	23,600	20,000	1,050	54,650
Merit Pay	13,138	44,071	20,007	10,000	10,000					10,000
TOTAL SALARIES	\$ 2,334,889	\$ 2,546,050	\$ 2,622,093	\$ 3,028,867	\$ 864,556	\$ 523,831	\$ 722,951	\$ 808,757	\$ 326,088	\$ 3,246,183
EMPLOYEE OVERHEAD										
Hospitalization	\$ 533,022	\$ 462,360	\$ 553,089	\$ 523,159	\$ 141,025	\$ 63,235	\$ 142,694	\$ 202,131	\$ 65,008	\$ 614,093
VSRS - Retirement	140,547	154,773	63,232	190,244	28,271	23,715	31,310	35,981	14,237	133,514
VSRS - Life Insurance	24,995	26,403	26,390	35,580	8,520	6,783	9,231	10,412	4,291	39,236
FICA Employer	160,162	156,015	159,349	184,256	58,635	32,478	44,823	(140,261)	8,157	3,831
FICA/MED Employer	33,184	36,657	37,894	43,927	3,199	7,596	10,483	202,131	16,789	240,198
Workman's Compensation	31,954	23,757	37,730	54,037	776	15,505	12,901	29,288	6,279	64,749
Virginia State Unemployment	1,623	2,646	7,182	1,055						-
TOTAL EMPLOYEE OVERHEAD	\$ 925,486	\$ 862,611	\$ 884,865	\$ 1,032,257	\$ 240,426	\$ 149,311	\$ 251,442	\$ 339,681	\$ 114,760	\$ 1,096,621

FAUQUIER COUNTY WATER SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
ADMINISTRATION										\$ 30,000
Auditing Services	\$ 2,926	\$ 286	\$ 27,450	\$ 30,000	\$ 30,000					-
WSA 50th Anniversary			4,200	5,800						8,000
Consulting Services	27,250	27,250	7,001	8,000	8,000					
Engineering Services	19,608	6,679	(142)	5,000				5,000		5,000
Contracted Services			53,371	60,000	60,000				10,000	70,000
Legal Services	55,189	60,858	104,324	80,000	100,000					100,000
Insurance cost			2,500							30,000
IT Services			24,677	35,000	30,000					
Temporary Services										
R & M - Building	21,341	30,428	62	-	-					
R & M - General	1,179	3,055	7,490	2,000	2,000			500		2,500
Maintenance Agreements	4,921	5,297	18,541	16,500	8,000					8,000
Refuse Services	3,681	4,390	1,365	1,400	1,600					1,600
Printing	2,989	1,529								
Advertising			5,557	7,200	8,000					8,000
Miscellaneous Services	8,014	6,600	2,910	4,000	3,200					3,200
Utilities	3,231	3,435	16,944	15,500	15,500					2,700
Postage	17,012	27,497	2,250	2,700	2,700					
Telephone/Communications	1,264	450	36,037	15,000	15,000				1,100	16,100
Insurance Expense	28,835	32,611	57,289	65,000	67,000					
Travel Reimbursement	47,209	90,332								
Subsistence & Lodging	120									
Training	2,090	2,584	25,822	35,000	25,000			5,000		30,000
Licenses/Permits	10,739	20,352	18,544	20,000	20,000					20,000
Dues/Memberships	16,771	15,630	9,182	6,500	9,000					9,000
Reconnection Fees	5,027	6,509	5,104	5,500	5,000					5,000
Misc Expense	5,554	5,056	6,520	6,000	6,000				125	6,125
Bad Debt Expense	(1,320)	5,612		10,000	10,000					10,000
Bank Charges			63	200	200					200
Office Supplies	1,306	1,997	11,141	16,200	13,000				5,000	18,000
Janitorial (Cleaning) Service	7,424	13,918	6,600	7,000	7,000					7,000

FAUQUIER COUNTY WATER SANITATION AUTHORITY
 Operating Approved Budget
 FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
Fuel	2,267	2,158	5,314	6,000	1,500				4,000	5,500
Uniforms	2,187	1,941	1,032	1,400	400				500	900
Safety & Traffic Control Equip	-	-	208	500	-				500	500
Software	-	-	-	3,000	-				-	-
Data Processing Supplies	-	-	-	3,000	3,000				-	3,000
Tools	-	-	-	1,000	-				1,000	1,000
Capital <\$3,500	-	1,853	2,352	2,700	2,700				-	2,700
Office Equipment Expense	220	2,209	6,622	9,000	9,000				-	9,000
Interest Expense	495,053	219,958	188,494	285,285	384,000				-	384,000
TOTAL ADMINISTRATIVE & ENGINEERING	\$ 792,087	\$ 600,454	\$ 658,825	\$ 771,385	\$ 846,800				\$ 32,725	\$ 879,525

FAUQUIER COUNTY WATER SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
OPERATING EXPENSES										
Contracted Analytical Services	\$ 99,578	\$ 106,872	\$ 100,308	\$ 111,000		\$ 50,000	\$ 69,000	\$ -		\$ 119,000
Repairs & Maintenance	272,169	367,081	391,222	405,620		51,000	233,600	186,000		470,600
Contracted Electrical Services	86,996	30,823	48,152	33,500		10,000	13,500	12,000		35,500
Maintenance Agreement Contracts	13,900	31,531	14,878	17,900		1,000	-	7,900		8,900
Water Tank Maintenance	3,963	5,983	91,749	75,000		75,000	-	5,000		75,000
Contracted Mechanical Services	5,000	34,549	1,410	16,000		-	-	-		5,000
Contracted Construction Services	12,000	-	2,684	13,000		-	-	12,000		12,000
Refuse Services	3,342	29,302	24,478	24,000		-	25,000	1,000		26,000
Water hauling	-	450	675	5,000		5,000	-	-		5,000
Sludge Disposal	85,528	84,855	89,053	79,500		-	87,500	-		87,500
Contracted Misc. Services	1,240	1,525	177	1,000		-	-	500		500
Utilities	420,275	491,833	471,484	502,000		200,000	320,000	-		520,000
Telephone & Communications	7,668	12,963	15,500	27,100		10,000	11,000	6,600		27,600
Rental Equipment	5,339	2,788	7,029	3,000		1,000	-	2,000		3,000
Training	109,299	98,585	73,878	100,500		10,000	11,500	5,000		26,500
Licenses & Permits	15,171	19,692	14,954	19,700		5,000	14,700	-		19,700
Miscellaneous Expenses	7,597	8,321	5,819	3,284		-	-	500		500
Office Supplies	1,548	993	462	1,250		-	1,150	-		1,150
Construction Supplies	6,876	3,549	5,421	7,000		-	-	7,000		7,000
Laboratory Supplies	4,247	3,985	13,217	18,500		10,000	13,000	-		23,000
Janitorial Supplies	8,825	2,091	1,886	2,500		500	2,000	2,000		4,500
R & M Supplies	17,593	17,467	15,172	17,400		1,000	8,400	10,000		19,400
Fuel	78,969	78,058	72,546	83,400		32,000	10,000	30,000		72,000
Oils and Grease	5,428	2,891	2,312	3,500		-	2,850	500		3,350
Electrical Supplies		3,953	5,512	3,348		-	1,500	3,500		5,000
Uniforms	6,200	6,770	7,176	8,514		3,680	5,520	3,600		12,800
Paint Products	3,434	3,279	2,969	4,500		-	3,500	2,500		6,000
Other Operating Supplies	5,378	7,179	6,586	6,250		3,000	3,000	500		6,500
Safety & Traffic Control Equip.	11,281	12,740	11,007	10,250		1,500	4,500	5,000		11,000
Chemicals	153,428	182,054	181,932	221,375		77,275	135,200	12,000		224,475

FAUQUIER COUNTY WATER SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
Tools	6,211	5,754	5,802	10,600		500	3,500	11,000		15,000
Water Meters	23,000	25,853	24,934	25,000		25,000	-	-		25,000
Pipes and Plumbing Fixtures	43,825	52,203	51,139	55,956			4,000	57,703		61,703
Capital <\$3,500	9,306	53,226	25,392	21,700		15,000	5,500	23,700		44,200
TOTAL OPERATIONS	\$ 1,534,615	\$ 1,789,198	\$ 1,786,916	\$ 1,938,146	\$ -	\$ 587,455	\$ 989,420	\$ 407,503	\$ -	\$ 1,984,378
GENERAL OPERATIONS										
Depreciation	\$ 3,002,676	\$ 3,276,735	\$ 2,982,641	\$ 3,000,000	\$ 3,000,000					\$ 3,000,000
TOTAL GENERAL OPERATIONS	\$ 3,002,676	\$ 3,000,000	\$ 2,982,641	\$ 3,000,000	\$ 3,000,000					\$ 3,000,000
GRAND TOTAL EXPENSES	\$ 8,589,753	\$ 8,706,285	\$ 8,935,339	\$ 9,770,655	\$ 4,951,782	\$ 1,260,597	\$ 1,963,813	\$ 1,555,941	\$ 473,573	\$ 10,205,707
TOTAL OPERATING INCOME	\$ 7,185,949	\$ 7,294,217	\$ 7,789,754	\$ 7,921,626	\$ 9,006,002					\$ 9,006,001
TOTAL OPERATING EXPENSES	\$ 8,787,858	\$ 8,706,285	\$ 8,935,339	\$ 9,770,655	\$ 4,951,782	\$ 1,260,597	\$ 1,963,813	\$ 1,555,941	\$ 473,573	\$ 10,205,707
NET OPERATING INCOME	\$ (1,601,909)	\$ (1,412,068)	\$ (1,145,585)	\$ (1,849,029)	\$ 4,054,220	\$ (1,260,597)	\$ (1,963,813)	\$ (1,555,941)	\$ (473,573)	\$ (1,199,705)
DEPRECIATION	3,002,676	3,000,000	2,982,641	3,000,000	3,000,000					3,000,000
INCOME BEFORE DEPRECIATION	\$ 1,400,767	\$ 1,587,932	\$ 1,837,056	\$ 1,150,971	\$ 7,054,220	\$ (1,260,597)	\$ (1,963,813)	\$ (1,555,941)	\$ (473,573)	\$ 1,800,295

FAUQUIER COUNTY SANITATION AUTHORITY
Operating Approved Budget
FY 17

OPERATING BUDGET	Actual FY 13 BUDGET	Actual FY 14 BUDGET	Actual FY 15 BUDGET	Budget FY 16 BUDGET	DEPT. 111-113 ADMIN. FY 17 BUDGET	DEPT. 421 WATER FY 17 BUDGET	DEPT. 425-427 SEWER FY 17 BUDGET	DEPT. 423 950 MAINT. CONST FY 17 BUDGET	DEPT. 113 ENGINEERING FY 17 BUDGET	TOTAL PROPOSED FY 17 BUDGET
FIXED ASSET ADDITIONS										
Building										\$ 110,000
Vehicles	\$ 80,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000					-
(A) Machinery & Equipment	30,000	-	-	-	-					-
(A) Furniture & Fixtures	-	-	-	-	-					-
(A) Office Equipment	-	-	-	-	-					-
TOTAL FIXED ASSET ADDITIONS	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ 110,000
REPLACEMENTS & RENEWALS										
SCADA Master Planning					40,000					\$ 40,000
Scada Communication Maintenance						50,000				\$ 50,000
Water Tank Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 126,000				\$ 126,000
School house road		250,000	358,330	193,157	Carryover					-
Marshall RR crossing		27,000						\$ 100,000		100,000
Refurnish Administration Building	12,000	Carryover		32,000	75,000					-
Upgrade the Paris Water Distribution System	123,193			66,560				69,200		69,200
Generator replacement			32,000							-
Remington Communitor for Septic Tnk	15,000	125,000								-
SBR #3 electric room AC	20,000		20,000							-
Upgrade Water Meters & relocation	43,754	60,073	46,650							-
Vint Hill Corrosion Evaluation & Pump Rebuild										-
Vint Hill influent wetwell		91,000								-
Meadow Brook #1 well line connection	Carryover	Carryover	Carryover	Carryover						-
General projects										-
Brookside L/S Improvements										-
Inflow/infiltration Reduction Program	40,969	89,098	43,484	179,620						-
Refurbish Lift Station A The Plains										-
Lift Station Bypasses-Six (6) Stations		30,000	40,000							50,000
Arc Flash analysis					50,000	25,000	25,000			-
Repair Well Houses & fencing			51,505			14,800				14,800
Hydrotanks automation (6)							15,000			15,000
Secondary Clarifier							21,000			21,000
RAS valves		66,000		50,000						-
SCADA Water System							7,000			7,000
Post Air Blowers							30,000			30,000
Sludge Feed Pmps							12,000			12,000
UV PLC Screen & Motherboard							20,000			20,000
Reactor effluent pump										-
Catielt Tank Wind Rod(Safety Project)										-
Backflow Valve Installation Program	43,200	44,500	45,800							-
Water Tank Lightning Protection										-
Turnbull Well & Tank Project										-
Blow off Valve Installation Program	44,349	49,700	51,688							-
Install Sample Taps		40,000								-
Lift Station Improvements & Spare Pumps			30,000							-
Wastewater Systems Major Replacements	36,872	37,978	39,118	38,372		60,000				60,000
Water System Major Replacements	35,116	36,169	37,254	40,291			60,000			60,000
TOTAL REPLACEMENTS & RENEWALS	\$ 514,453	\$ 1,046,518	\$ 895,809	\$ 750,000	\$ 115,000	\$ 275,800	\$ 190,000	\$ 169,200	\$ -	\$ 750,000
TOTAL VEH., EQUIP. AND R&R'S	\$ 624,453	\$ 1,156,518	\$ 1,005,809	\$ 860,000	\$ 225,000	\$ 275,800	\$ 190,000	\$ 169,200	\$ -	\$ 860,000

FAUQUIER COUNTY WATER SANITATION AUTHORITY

Capital Approved Budget

FY 17

CAPITAL BUDGET	Actual FY 14 Budget	Actual FY 15 Budget	Amended FY 16 Budget	FY 2017 BUDGET				
				ADMIN.	WATER	SEWER	MAINT.	APROVED
INCOME								
Marshall Water Surcharge	\$ 230,263	\$ 228,139	\$ 232,466		\$ -	\$ -	\$ -	\$ -
Chesapeake Bay ENR Revenue				-			-	-
Water Demand Fee (Cap)	45,558	44,482	60,000		-		-	-
Water Availability Fees (Capital Component)	1,311,340	886,400	566,930		688,415	-	-	688,415
Sewer Availability Fees (Capital Component)	1,737,190	891,800	382,200			445,900		445,900
TOTAL CAPITAL REVENUES	\$ 3,324,351	\$ 2,050,821	\$ 1,241,596	\$ -	\$ 688,415	\$ 445,900	\$ -	\$ 1,134,315
EXPENSES								
Interest Paid on Notes	219,958	188,494	265,575	384,000				384,000
TOTAL EXPENSES	\$ 219,958	\$ 188,494	\$ 265,575	\$ 384,000	\$ -	\$ -	\$ -	\$ 384,000
TOTAL CAPITAL INCOME	3,324,351	2,050,821	1,241,596	-	688,415	445,900	-	1,134,315
TOTAL CAPITAL EXPENSES	219,958	188,494	265,575	384,000	-	-	-	384,000
NET CAPITAL INCOME	\$ 3,104,393	\$ 1,862,327	\$ 976,021	\$ (384,000)	\$ 688,415	\$ 445,900	\$ -	\$ 750,315
CAPITAL DEBT SERVICE - PRINCIPAL								
Consolidated Loans(Opal,Marshall water & enr) VRA	822,734	551,239	562,458	573,906				573,906
Refunding Opal Collection System (VRLF)								-
2008 Bonds Phase I Marshall Water System VRLF Remington \$2.7m	115,523	64,018	130,659			134,237		134,237
Marahall ENR Projects(Taxable)	39,036	40,366	41,742		43,165			43,165
R&R Project FY 11	121,526	131,955	136,104				140,384	140,384
TOTAL DEBT SERVICE	\$ 1,098,819	\$ 787,577	\$ 870,963	\$ 573,906	\$ 43,165	\$ 134,237	\$ 140,384	\$ 891,692
TOTAL DEBT AND INTEREST	\$ 1,318,777	\$ 976,071	\$ 1,136,538	\$ 957,906	\$ 43,165	\$ 134,237	\$ 140,384	\$ 1,275,692
FIXED ASSET ADDITIONS								
Real Estate Buildings								
Water Meters	10,000	10,000	10,000	-	10,000	-	-	10,000
TOTAL FIXED ASSET ADDITIONS	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000

FAUQUIER COUNTY WATER SANITATION AUTHORITY

Capital Approved Budget

FY 17

CAPITAL BUDGET	Actual FY 14 Budget	Actual FY 15 Budget	Amended FY 16 Budget	FY 2017 BUDGET				
				ADMIN.	WATER	SEWER	MAINT.	APROVED
CWIP'S								
B-3 well reconnection		\$ -	\$ 50,000	\$ -	\$ 200,000	\$ -	\$ -	-
Exploratory well projects (2)								200,000
Automation Wells MS3, MS5, B1, B3, B4		50,000	100,000					-
Filters- Greensand **					500,000			500,000
Rehabilitation Salem 4		300,800						-
Piedmont/Lawrence wells		10,000						-
TPL -1A rehabilitation wells			273,912					-
Paris Treatment for bacteriological issues (pilot)		80,000						-
GIS Systems Upgrade	Carryover Balance	-						-
Mosby Woods Rehab		200,000						-
Marshall Water System Phase I & Hydro Study	60,000	-						-
Meadowbrook Well #1		360,000	73,088					-
TOTAL CWIP'S	\$ 60,000	\$ 1,000,800	\$ 447,000	\$ -	\$ 700,000	\$ -	\$ -	700,000
** Debt Funding								
STUDIES AND PLANS								
Update Utility Master Plan	Carryover balance	Carryover balance	Carryover balance	Carryover balance				
TOTAL STUDIES AND PLANS	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Fixed Assets, CWIP & Studies	\$ 60,000	\$ 1,000,800	\$ 447,000	\$ -	\$ 700,000	\$ -	\$ -	\$ 700,000

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