

Petersburg Borough
Utility Rate Study: Sanitation Utility
Summary

Recycling Scenario:

Existing Program

Revenue Requirement	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Revenues							
Rate Revenues Under Existing Rates	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000
Non-Rate Revenues	11,513	10,660	10,846	11,071	11,218	11,369	11,525
Total Revenues	\$ 1,201,513	\$ 1,200,660	\$ 1,200,846	\$ 1,201,071	\$ 1,201,218	\$ 1,201,369	\$ 1,201,525
Expenses							
Cash Operating Expenses	\$ 882,204	\$ 913,912	\$ 952,468	\$ 977,544	\$ 1,003,373	\$ 1,029,977	\$ 1,057,379
Transport and Disposal Contract	260,000	269,100	278,519	288,267	298,356	308,798	319,606
Existing Debt Service	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-
Additions Required to Meet Reserves	-	-	-	-	-	-	-
Total Expenses	\$ 1,142,204	\$ 1,183,012	\$ 1,230,986	\$ 1,265,811	\$ 1,301,729	\$ 1,338,775	\$ 1,376,985
Net Surplus (Deficiency)	\$ 59,309	\$ 17,649	\$ (30,141)	\$ (64,740)	\$ (100,511)	\$ (137,406)	\$ (175,460)
Additions to Meet Coverage	-	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 59,309	\$ 17,649	\$ (30,141)	\$ (64,740)	\$ (100,511)	\$ (137,406)	\$ (175,460)
Annual Rate Increase		0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Cumulative Rate Increase		0.00%	5.00%	10.25%	15.76%	21.55%	27.63%
Revenues After Rate Increases	\$ 1,190,000	\$ 1,190,000	\$ 1,249,500	\$ 1,311,975	\$ 1,377,574	\$ 1,446,452	\$ 1,518,775
Additional Taxes from Rate Increase	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	\$ 59,309	\$ 17,649	\$ 29,359	\$ 57,235	\$ 87,063	\$ 119,046	\$ 153,315
Coverage After Rate Increase: Bonded Debt	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: Total Debt	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Petersburg Borough
Utility Rate Study: Sanitation Utility
Summary

Recycling Scenario:

Existing Program

Fund Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Operating Reserve							
Beginning Balance	\$ 343,609	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266
plus: Net Cash Flow after Rate Increase	59,309	17,649	29,359	57,235	87,063	119,046	153,315
less: Transfer of Surplus to Capital Fund	(108,045)	(7,050)	(16,472)	(48,853)	(78,429)	(110,154)	(144,156)
Ending Balance	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
<i>Actual Days of O&M</i>	122 days	122 days	122 days	122 days	122 days	122 days	122 days
<i>Minimum Balance Requirement</i>	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
<i>Maximum Balance Requirement</i>	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
Capital Reserve							
Beginning Balance	\$ 2,830	\$ 110,924	\$ 52,965	\$ (30,421)	\$ (36,204)	\$ 19,715	\$ 130,214
plus: System Reinvestment Funding	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	108,045	7,050	16,472	48,853	78,429	110,154	144,156
plus: Capital Grants / Other Resources	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-
plus: Other Loans 1 Proceeds	-	-	-	-	-	-	-
plus: Other Loans 2 Proceeds	-	-	-	-	-	-	-
plus: Other Loans 3 Proceeds	-	-	-	-	-	-	-
plus: Interest Earnings	50	1,941	927	-	-	345	2,279
Total Funding Sources	\$ 110,924	\$ 119,915	\$ 70,364	\$ 18,432	\$ 42,225	\$ 130,214	\$ 276,649
less: Capital Expenditures	-	(66,950)	(100,786)	(54,636)	(22,510)	-	-
Ending Capital Fund Balance	\$ 110,924	\$ 52,965	\$ (30,421)	\$ (36,204)	\$ 19,715	\$ 130,214	\$ 276,649
<i>Minimum Target Balance</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Combined Beginning Balance							
	\$ 346,439	\$ 405,798	\$ 358,437	\$ 287,938	\$ 290,537	\$ 355,089	\$ 474,480
Combined Ending Balance							
	\$ 405,798	\$ 358,437	\$ 287,938	\$ 290,537	\$ 355,089	\$ 474,480	\$ 630,074
<i>Ending Total Days of Operating Expenditures</i>	168 days	143 days	110 days	108 days	129 days	168 days	217 days
<i>Combined Minimum Target Balance</i>	294,874	305,472	318,359	326,741	335,374	344,266	353,425

Petersburg Borough
Utility Rate Study: Sanitation Utility

Assumptions

Economic & Financial Factors	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Escalation Rates							
General Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Construction Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Labor Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Benefit Cost Inflation	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Labor + Benefits	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Revenue Growth Before Increases	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MSW Transport & Disposal Agreement	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
Motor Pool Expense for Truck #107	0.00%	0.00%	375.03%	0.00%	0.00%	0.00%	0.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
[Extra]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%

Adjustments to Operating or Capital Spending		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Operating Budget Realization Factor	(100% is default)	100%	100%	100%	100%	100%	100%	100%
CIP Completion Factor	(100% is default)	100%	100%	100%	100%	100%	100%	100%

Petersburg Borough
Utility Rate Study: Sanitation Utility

Assumptions

Fund Balance & Financial Policy Assumptions		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Beginning Fund Balances								
Operating Reserve		\$ 343,609						
Capital Reserve		\$ 2,830						
Debt Reserve		\$ -						
Total Reserves		\$ 346,439						
Total Operating and Capital Cash Test: Days of O&M		122 days	122 days	122 days	122 days	122 days	122 days	122 days
(Informational only--does not drive rate increases)								
Operating Balance: Minimum & Maximum Target								
Min. Fund Balance Target (days of O&M expense)		122 days	122 days	122 days	122 days	122 days	122 days	122 days
Max. Fund Balance (days of O&M expense)		122 days	122 days	122 days	122 days	122 days	122 days	122 days
Capital Balance: Minimum Target								
Select Minimum Capital Fund Option →	<input type="text" value="2"/>	User Input						
1 % of Plant Assets (Original Cost)	<input type="text" value="\$ 3,469,887"/>	\$ 34,699	\$ 35,368	\$ 36,376	\$ 36,923	\$ 37,148	\$ 37,148	\$ 37,148
% of Total (between 1%-2%)		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 User Input		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
System Reinvestment Funding								
Select Annual Funding Option →	<input type="text" value="4"/>	No Rate Funded Capital						
<u>Target Amounts</u>								
1 Original Cost Depreciation		\$ 161,283	\$ 161,283	\$ 162,622	\$ 164,638	\$ 165,731	\$ 166,181	\$ 166,181
2 Estimated Replacement Cost Depreciation		\$ 274,593	\$ 274,593	\$ 275,932	\$ 277,948	\$ 279,041	\$ 279,491	\$ 279,491
3 Manual User Input		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 No Rate Funded Capital		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Percent Toggle of Selected Funding Target		0%	25%	50%	75%	90%	100%	100%
Funding Target Assumed in Model		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Actual Result w/ Transfers (compared to Annual Depreciation)		67%	4%	10%	30%	47%	66%	87%

Petersburg Borough
Utility Rate Study: Sanitation Utility
Operating Revenue and Expenditure Forecast

Operating Revenues		Escalation	Budget FY 2020	Forecast FY 2021	Forecast FY 2022	Forecast FY 2023	Forecast FY 2024	Forecast FY 2025	Forecast FY 2026
Account #	Rate Revenues								
407225	Refuse Collection	Revenue Growth Before Increases	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000
407230	Baler/Landfill Charges	Revenue Growth Before Increases	315,000	315,000	315,000	315,000	315,000	315,000	315,000
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-
	Total Rate Revenue		\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000
	Non-Rate Revenues								
407240	Recycling Revenue	No Escalation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
407170	Charges for Services	No Escalation	-	-	-	-	-	-	-
402275	State PERS Relief	No Escalation	5,500	5,500	5,500	5,500	5,500	5,500	5,500
407260	Salvage Permits	No Escalation	-	-	-	-	-	-	-
407100	Residential	No Escalation	-	-	-	-	-	-	-
[Extra]	[Extra]	No Escalation	-	-	-	-	-	-	-
	Total Non-Rate Revenues		\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500
TOTAL OPERATING REVENUES			\$ 1,195,500	\$ 1,195,500	\$ 1,195,500	\$ 1,195,500	\$ 1,195,500	\$ 1,195,500	\$ 1,195,500

Petersburg Borough
Utility Rate Study: Sanitation Utility
Operating Revenue and Expenditure Forecast

Operating Expenses		Escalation	Budget	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Operating Cost									
500110	Regular Pay	Labor Cost Inflation	\$ 241,488	\$ 248,733	\$ 256,195	\$ 263,880	\$ 271,797	\$ 279,951	\$ 288,349
500120	Overtime	Labor Cost Inflation	8,335	8,585	8,843	9,108	9,381	9,663	9,952
500200	Benefits	Benefit Cost Inflation	148,913	153,380	157,982	162,721	167,603	172,631	177,810
501320	Operating Supplies	General Cost Inflation	23,570	24,277	25,005	25,756	26,528	27,324	28,144
501330	Maintenance Supplies	General Cost Inflation	12,469	12,843	13,228	13,625	14,034	14,455	14,889
501334	Safety Supplies	General Cost Inflation	6,637	6,836	7,041	7,252	7,470	7,694	7,925
501340	Small Tools & Equipment	General Cost Inflation	6,066	6,248	6,435	6,628	6,827	7,032	7,243
501341	Dumpster/Cans	General Cost Inflation	1,000	1,030	1,061	1,093	1,126	1,159	1,194
501410	Professional Services	General Cost Inflation	23,600	24,308	25,037	25,788	26,562	27,359	28,180
501411	Curbside Recycling Contract	General Cost Inflation	-	-	-	-	-	-	-
501420	Communication	General Cost Inflation	5,124	5,278	5,436	5,599	5,767	5,940	6,118
501430	Travel & Training	General Cost Inflation	3,725	3,837	3,952	4,070	4,193	4,318	4,448
501440	Advertising & Printing	General Cost Inflation	1,200	1,236	1,273	1,311	1,351	1,391	1,433
501451	Vehicle Replacement	No Escalation	66,922	66,922	66,922	66,922	66,922	66,922	66,922
501464	Vehicle Insurance	General Cost Inflation	4,305	4,434	4,567	4,704	4,845	4,991	5,140
501462	Liability Insurance	General Cost Inflation	3,977	4,096	4,219	4,346	4,476	4,610	4,749
501463	Property Insurance	General Cost Inflation	2,797	2,881	2,967	3,056	3,148	3,242	3,340
501470	Utilities	General Cost Inflation	30,000	30,900	31,827	32,782	33,765	34,778	35,822
501480	Repairs & Maintenance	General Cost Inflation	22,386	23,058	23,749	24,462	25,196	25,952	26,730
501491	Overhead Charge	General Cost Inflation	87,631	90,260	92,968	95,757	98,629	101,588	104,636
501930	HazMat Event	General Cost Inflation	30,000	30,900	31,827	32,782	33,765	34,778	35,822
506416	Recycling Expense	General Cost Inflation	30,000	30,900	31,827	32,782	33,765	34,778	35,822
506417	Ground Water Monitor	General Cost Inflation	2,300	2,369	2,440	2,513	2,589	2,666	2,746
501449	Motorpool O&M	General Cost Inflation	109,259	90,000	92,700	95,481	98,345	101,296	104,335
501498	Credit Card Fees	General Cost Inflation	5,000	5,150	5,305	5,464	5,628	5,796	5,970
501499	Bad Debt Accounts	General Cost Inflation	-	-	-	-	-	-	-
501495	Bale Disposal	MSW Transport & Disposal Agreement	260,000	269,100	278,519	288,267	298,356	308,798	319,606
501210	State PERS Relief	[Calculated]	5,500	5,500	5,500	5,500	5,500	5,500	5,500
501449(a)	Baler Replacement	No Escalation	-	26,162	26,162	26,162	26,162	26,162	26,162
501449(b)	Truck #107 Replacement	Motor Pool Expense for Truck #107	-	3,789	17,999	17,999	17,999	17,999	17,999
	Reduction to O&M	General Cost Inflation	-	-	-	-	-	-	-
TOTAL CASH OPERATING EXPENSES BEFORE REALIZATION FACTOR			\$ 1,142,204	\$ 1,183,012	\$ 1,230,986	\$ 1,265,811	\$ 1,301,729	\$ 1,338,775	\$ 1,376,985
REALIZATION FACTOR IMPACT (Excluding Taxes)			-	-	-	-	-	-	-
TOTAL CASH OPERATING EXPENSES			\$ 1,142,204	\$ 1,183,012	\$ 1,230,986	\$ 1,265,811	\$ 1,301,729	\$ 1,338,775	\$ 1,376,985

Petersburg Borough
Utility Rate Study: Sanitation Utility
Capital Improvement Program

FY 2020 Project Costs in Year

ID	Description	Unescalated Total	Unescalated Capital Cost									
			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
	Tire Cutter	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Enviro-rack Car Disposal System	25,000	-	25,000	-	-	-	-	-	-	-	-
	Security Upgrades - Camera System & Haul Road Gate	25,000	-	25,000	-	-	-	-	-	-	-	-
	Recycling Drop Off Center	-	-	-	-	-	-	-	-	-	-	-
	Fire Sprinkler System Replacement	75,000	-	-	75,000	-	-	-	-	-	-	-
	Waste Oil Storage System Upgrades	20,000	-	-	20,000	-	-	-	-	-	-	-
	Replace/repair Landfill Fencing	50,000	-	-	-	50,000	-	-	-	-	-	-
	Storage Quonset Replacement	20,000	-	-	-	-	20,000	-	-	-	-	-
	Roof Replacement	200,000	-	-	-	-	-	-	-	-	-	200,000
		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
	Total Capital Projects Before Completion Factor	430,000	-	65,000	95,000	50,000	20,000	-	-	-	-	200,000
	Completion Factor Impact	-	-	-	-	-	-	-	-	-	-	-
	Total Capital Projects	\$ 430,000	\$ -	\$ 65,000	\$ 95,000	\$ 50,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Petersburg Borough
Utility Rate Study: Sanitation Utility
Revenue Requirement Tests

Cash Flow Test	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
REVENUES							
Rate Revenue	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000
Other Non-Rate Revenue	5,500	5,500	5,500	5,500	5,500	5,500	5,500
Interest Earnings: Operating & Debt Reserve Funds	6,013	5,160	5,346	5,571	5,718	5,869	6,025
<i>Total Revenue</i>	<u>\$ 1,201,513</u>	<u>\$ 1,200,660</u>	<u>\$ 1,200,846</u>	<u>\$ 1,201,071</u>	<u>\$ 1,201,218</u>	<u>\$ 1,201,369</u>	<u>\$ 1,201,525</u>
EXPENSES							
Cash Operating Expenses	\$ 882,204	\$ 913,912	\$ 952,468	\$ 977,544	\$ 1,003,373	\$ 1,029,977	\$ 1,057,379
Transport and Disposal Contract	260,000	269,100	278,519	288,267	298,356	308,798	319,606
Existing Debt Service	-	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-	-
Additions Required to Meet Min. Operating Reserve	-	-	-	-	-	-	-
<i>Total Expenses</i>	<u>\$ 1,142,204</u>	<u>\$ 1,183,012</u>	<u>\$ 1,230,986</u>	<u>\$ 1,265,811</u>	<u>\$ 1,301,729</u>	<u>\$ 1,338,775</u>	<u>\$ 1,376,985</u>
NET CASH FLOW (DEFICIENCY)	\$ 59,309	\$ 17,649	\$ (30,141)	\$ (64,740)	\$ (100,511)	\$ (137,406)	\$ (175,460)

Maximum Revenue Deficiency	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Sufficiency Test Driving the Deficiency	<i>None</i>	<i>None</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>
Maximum Revenue Deficiency (Surplus)	\$ (59,309)	\$ (17,649)	\$ 30,141	\$ 64,740	\$ 100,511	\$ 137,406	\$ 175,460
plus: Additional Tax Expense	-	-	-	-	-	-	-
less: Incremental Revenue From Prior Rate Increases	-	-	-	(59,500)	(121,975)	(187,574)	(256,452)
Net Revenue Deficiency (Surplus)	\$ (59,309)	\$ (17,649)	\$ 30,141	\$ 5,240	\$ (21,464)	\$ (50,167)	\$ (80,992)

Petersburg Borough
Utility Rate Study: Sanitation Utility
Revenue Requirement Tests

Rate Increases	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Rate Revenue @ Existing Rates	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000	\$ 1,190,000
Revenues from Prior Rate Increases	-	-	-	59,500	121,975	187,574	256,452
Rate Revenue Before Rate Increase (incl. previous increases)	1,190,000	1,190,000	1,190,000	1,249,500	1,311,975	1,377,574	1,446,452
Required Annual Rate Increase	0.00%	0.00%	2.53%	0.42%	0.00%	0.00%	0.00%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12
Info: % Increase to Generate Required Revenue	0.00%	0.00%	2.53%	0.42%	0.00%	0.00%	0.00%
Policy Induced Rate Increases	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
ANNUAL RATE INCREASE	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	5.00%	10.25%	15.76%	21.55%	27.63%

Impacts of Rate Increases	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Sufficiency Test Driving the Deficiency	None	None	Cash	Cash	Cash	Cash	Cash
Rate Revenues After Rate Increase	\$ 1,190,000	\$ 1,190,000	\$ 1,249,500	\$ 1,311,975	\$ 1,377,574	\$ 1,446,452	\$ 1,518,775
Full Year Rate Revenues After Rate Increase	1,190,000	1,190,000	1,249,500	1,311,975	1,377,574	1,446,452	1,518,775
Partial Year Adjustment	-	-	-	-	-	-	-
Additional Taxes Due to Rate Increases	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	\$ 59,309	\$ 17,649	\$ 29,359	\$ 57,235	\$ 87,063	\$ 119,046	\$ 153,315
Coverage After Rate Increase: Bonded Debt	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: Total Debt	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Debt Financing Assumptions	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Net Revenue Bond Proceeds: Automatic Calculation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Revenue Bond Proceeds: Override*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Loans 1 Proceeds							
Other Loans 2 Proceeds							
Other Loans 3 Proceeds							

*Model will automatically calculate revenue bond debt if 'Revenue Bond Proceeds: Override' is blank. A zero does not equal a "blank."

Fund Balance Impacts	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Total Ending Operating and Capital Cash (days of O&M)	168 days	143 days	110 days	108 days	129 days	168 days	217 days

Petersburg Borough
Utility Rate Study: Sanitation Utility
Fund Activity

Funds	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
OPERATING RESERVE							
Beginning Balance	\$ 343,609	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266
plus: Net Cash Flow after Rate Increase	59,309	17,649	29,359	57,235	87,063	119,046	153,315
less: Transfer of Surplus to Capital Fund	(108,045)	(7,050)	(16,472)	(48,853)	(78,429)	(110,154)	(144,156)
Ending Balance	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
<i>Minimum Target Balance: 122 days</i>	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
<i>Maximum Target Balance: 122 days</i>	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425
<i>Actual Days of Cash Achieved</i>	122 days	122 days	122 days	122 days	122 days	122 days	122 days
CAPITAL RESERVE							
Beginning Balance	\$ 2,830	\$ 110,924	\$ 52,965	\$ (30,421)	\$ (36,204)	\$ 19,715	\$ 130,214
plus: System Reinvestment Funding	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	108,045	7,050	16,472	48,853	78,429	110,154	144,156
plus: Capital Grants / Other Resources	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-
plus: Other Loans 1 Proceeds	-	-	-	-	-	-	-
plus: Other Loans 2 Proceeds	-	-	-	-	-	-	-
plus: Other Loans 3 Proceeds	-	-	-	-	-	-	-
plus: Interest Earnings	50	1,941	927	-	-	345	2,279
Total Funding Sources	\$ 110,924	\$ 119,915	\$ 70,364	\$ 18,432	\$ 42,225	\$ 130,214	\$ 276,649
less: Capital Expenditures	-	(66,950)	(100,786)	(54,636)	(22,510)	-	-
Ending Capital Fund Balance	\$ 110,924	\$ 52,965	\$ (30,421)	\$ (36,204)	\$ 19,715	\$ 130,214	\$ 276,649
<i>Minimum Target Balance</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUMMARY							
Combined Beginning Balance	\$ 346,439	\$ 405,798	\$ 358,437	\$ 287,938	\$ 290,537	\$ 355,089	\$ 474,480
Plus: Inflows	\$ 167,403	\$ 26,640	\$ 46,758	\$ 106,089	\$ 165,492	\$ 229,545	\$ 299,749
Less: Outflows	\$ (108,045)	\$ (74,000)	\$ (117,258)	\$ (103,490)	\$ (100,939)	\$ (110,154)	\$ (144,156)
Combined Ending Balance	\$ 405,798	\$ 358,437	\$ 287,938	\$ 290,537	\$ 355,089	\$ 474,480	\$ 630,074
<i>Net Change in Reserves</i>	\$ 59,359	\$ (47,360)	\$ (70,499)	\$ 2,599	\$ 64,552	\$ 119,391	\$ 155,593
TOTAL AVAILABLE CASH TEST: DAYS OF O&M							
Operating & Capital Ending Balance	\$ 405,798	\$ 358,437	\$ 287,938	\$ 290,537	\$ 355,089	\$ 474,480	\$ 630,074
Ending Total Days of O&M	168 days	143 days	110 days	108 days	129 days	168 days	217 days
<i>Target: 122 Days of O&M</i>	\$ 294,874	\$ 305,472	\$ 318,359	\$ 326,741	\$ 335,374	\$ 344,266	\$ 353,425

Petersburg Borough
Utility Rate Study: Sanitation Utility
Solid Waste Rate Schedule

Across-the-Board Rate Schedule	Existing FY 2020	ATB FY 2021	ATB FY 2022	ATB FY 2023	ATB FY 2024	ATB FY 2025	ATB FY 2026
Annual System-Wide Rate Increase		0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Charges							
G1R	\$ 30.51	\$ 30.51	\$ 32.04	\$ 33.64	\$ 35.32	\$ 37.09	\$ 38.94
G1	\$ 36.61	\$ 36.61	\$ 38.44	\$ 40.36	\$ 42.38	\$ 44.50	\$ 46.72
G2	\$ 54.19	\$ 54.19	\$ 56.90	\$ 59.74	\$ 62.73	\$ 65.87	\$ 69.16
G2S	\$ 27.10	\$ 27.10	\$ 28.46	\$ 29.88	\$ 31.37	\$ 32.94	\$ 34.59
G3	\$ 63.57	\$ 63.57	\$ 66.75	\$ 70.09	\$ 73.59	\$ 77.27	\$ 81.13
G1S	\$ 18.30	\$ 18.30	\$ 19.22	\$ 20.18	\$ 21.18	\$ 22.24	\$ 23.36
G1SR	\$ 15.25	\$ 15.25	\$ 16.01	\$ 16.81	\$ 17.65	\$ 18.54	\$ 19.46
G5	\$ 304.84	\$ 304.84	\$ 320.08	\$ 336.09	\$ 352.89	\$ 370.53	\$ 389.06
G6	\$ 184.20	\$ 184.20	\$ 193.41	\$ 203.08	\$ 213.23	\$ 223.90	\$ 235.09
G7	\$ 342.54	\$ 342.54	\$ 359.67	\$ 377.65	\$ 396.53	\$ 416.36	\$ 437.18
G8	\$ 83.68	\$ 83.68	\$ 87.86	\$ 92.26	\$ 96.87	\$ 101.71	\$ 106.80
G9	\$ 123.89	\$ 123.89	\$ 130.08	\$ 136.59	\$ 143.42	\$ 150.59	\$ 158.12
G10	\$ 365.16	\$ 365.16	\$ 383.42	\$ 402.59	\$ 422.72	\$ 443.85	\$ 466.05
G11	\$ 606.43	\$ 606.43	\$ 636.75	\$ 668.59	\$ 702.02	\$ 737.12	\$ 773.98
G12	\$ 681.83	\$ 681.83	\$ 715.92	\$ 751.72	\$ 789.30	\$ 828.77	\$ 870.21
G13	\$ 113.16	\$ 113.16	\$ 118.82	\$ 124.76	\$ 131.00	\$ 137.55	\$ 144.42
G14	\$ 184.20	\$ 184.20	\$ 193.41	\$ 203.08	\$ 213.23	\$ 223.90	\$ 235.09
G15	\$ 546.11	\$ 546.11	\$ 573.42	\$ 602.09	\$ 632.19	\$ 663.80	\$ 696.99
G16	\$ 908.01	\$ 908.01	\$ 953.41	\$ 1,001.08	\$ 1,051.14	\$ 1,103.69	\$ 1,158.88
G17	\$ 1,021.11	\$ 1,021.11	\$ 1,072.17	\$ 1,125.77	\$ 1,182.06	\$ 1,241.17	\$ 1,303.22
G18	\$ 244.52	\$ 244.52	\$ 256.75	\$ 269.58	\$ 283.06	\$ 297.22	\$ 312.08
G19	\$ 485.79	\$ 485.79	\$ 510.08	\$ 535.58	\$ 562.36	\$ 590.48	\$ 620.00
G20	\$ 244.52	\$ 244.52	\$ 256.75	\$ 269.58	\$ 283.06	\$ 297.22	\$ 312.08
G21	\$ 727.06	\$ 727.06	\$ 763.41	\$ 801.58	\$ 841.66	\$ 883.75	\$ 927.93
G22	\$ 1,209.60	\$ 1,209.60	\$ 1,270.08	\$ 1,333.58	\$ 1,400.26	\$ 1,470.28	\$ 1,543.79
G23	\$ 1,360.39	\$ 1,360.39	\$ 1,428.41	\$ 1,499.83	\$ 1,574.82	\$ 1,653.56	\$ 1,736.24
G24	\$ 908.01	\$ 908.01	\$ 953.41	\$ 1,001.08	\$ 1,051.14	\$ 1,103.69	\$ 1,158.88
G25	\$ 1,511.19	\$ 1,511.19	\$ 1,586.75	\$ 1,666.09	\$ 1,749.39	\$ 1,836.86	\$ 1,928.70
G26	\$ 1,699.68	\$ 1,699.68	\$ 1,784.66	\$ 1,873.90	\$ 1,967.59	\$ 2,065.97	\$ 2,169.27
G27	\$ 2,076.66	\$ 2,076.66	\$ 2,180.49	\$ 2,289.52	\$ 2,403.99	\$ 2,524.19	\$ 2,650.40
G28	\$ 2,378.25	\$ 2,378.25	\$ 2,497.16	\$ 2,622.02	\$ 2,753.12	\$ 2,890.78	\$ 3,035.32
G29	\$ 1,088.97	\$ 1,088.97	\$ 1,143.42	\$ 1,200.59	\$ 1,260.62	\$ 1,323.65	\$ 1,389.83
G30	\$ 1,081.43	\$ 1,081.43	\$ 1,135.50	\$ 1,192.28	\$ 1,251.89	\$ 1,314.48	\$ 1,380.21
G31	\$ 2,174.68	\$ 2,174.68	\$ 2,283.41	\$ 2,397.58	\$ 2,517.46	\$ 2,643.34	\$ 2,775.50
G32	\$ 681.82	\$ 681.82	\$ 715.91	\$ 751.71	\$ 789.29	\$ 828.76	\$ 870.19
G33	\$ 1,360.39	\$ 1,360.39	\$ 1,428.41	\$ 1,499.83	\$ 1,574.82	\$ 1,653.56	\$ 1,736.24
G34	\$ 2,038.96	\$ 2,038.96	\$ 2,140.91	\$ 2,247.95	\$ 2,360.35	\$ 2,478.37	\$ 2,602.29
G35	\$ 2,717.53	\$ 2,717.53	\$ 2,853.41	\$ 2,996.08	\$ 3,145.88	\$ 3,303.17	\$ 3,468.33
G36	\$ 3,396.10	\$ 3,396.10	\$ 3,565.91	\$ 3,744.20	\$ 3,931.41	\$ 4,127.98	\$ 4,334.38
G37	\$ 4,074.67	\$ 4,074.67	\$ 4,278.40	\$ 4,492.32	\$ 4,716.94	\$ 4,952.79	\$ 5,200.43
G38	\$ 4,753.24	\$ 4,753.24	\$ 4,990.90	\$ 5,240.45	\$ 5,502.47	\$ 5,777.59	\$ 6,066.47
G39	\$ 2,038.96	\$ 2,038.96	\$ 2,140.91	\$ 2,247.95	\$ 2,360.35	\$ 2,478.37	\$ 2,602.29
G40	\$ 727.06	\$ 727.06	\$ 763.41	\$ 801.58	\$ 841.66	\$ 883.75	\$ 927.93
G41	\$ 402.86	\$ 402.86	\$ 423.00	\$ 444.15	\$ 466.36	\$ 489.68	\$ 514.16
G42	\$ 523.49	\$ 523.49	\$ 549.66	\$ 577.15	\$ 606.01	\$ 636.31	\$ 668.12
G43	\$ 1,043.73	\$ 1,043.73	\$ 1,095.92	\$ 1,150.71	\$ 1,208.25	\$ 1,268.66	\$ 1,332.09
G44	\$ 1,563.96	\$ 1,563.96	\$ 1,642.16	\$ 1,724.27	\$ 1,810.48	\$ 1,901.00	\$ 1,996.05
G45	\$ 968.33	\$ 968.33	\$ 1,016.75	\$ 1,067.58	\$ 1,120.96	\$ 1,177.01	\$ 1,235.86
G46	\$ 2,604.44	\$ 2,604.44	\$ 2,734.66	\$ 2,871.40	\$ 3,014.96	\$ 3,165.71	\$ 3,324.00
G47	\$ 164.10	\$ 164.10	\$ 172.31	\$ 180.92	\$ 189.97	\$ 199.46	\$ 209.44
G48	\$ 44.47	\$ 44.47	\$ 46.69	\$ 49.03	\$ 51.48	\$ 54.05	\$ 56.76
G49	\$ 68.15	\$ 68.15	\$ 71.56	\$ 75.14	\$ 78.89	\$ 82.84	\$ 86.98
G51	\$ 2,084.20	\$ 2,084.20	\$ 2,188.41	\$ 2,297.83	\$ 2,412.72	\$ 2,533.36	\$ 2,660.03
G52	\$ 112.16	\$ 112.16	\$ 117.77	\$ 123.66	\$ 129.84	\$ 136.33	\$ 143.15
G53	\$ 365.16	\$ 365.16	\$ 383.42	\$ 402.59	\$ 422.72	\$ 443.85	\$ 466.05
G54	\$ 3,883.73	\$ 3,883.73	\$ 4,077.92	\$ 4,281.81	\$ 4,495.90	\$ 4,720.70	\$ 4,956.73
G55	\$ 3,056.82	\$ 3,056.82	\$ 3,209.66	\$ 3,370.14	\$ 3,538.65	\$ 3,715.58	\$ 3,901.36
G56	\$ 508.55	\$ 508.55	\$ 533.98	\$ 560.68	\$ 588.71	\$ 618.15	\$ 649.05
G57	\$ 1,454.13	\$ 1,454.13	\$ 1,526.84	\$ 1,603.18	\$ 1,683.34	\$ 1,767.50	\$ 1,855.88
G97	\$ 304.84	\$ 304.84	\$ 320.08	\$ 336.09	\$ 352.89	\$ 370.53	\$ 389.06

Note: "Across-the-Board" (ATB) means that all stated rates increase by the same percentage, which maintains the existing rate structure.