

Petersburg Borough
Utility Rate Study: Sanitation Utility
Summary

Recycling Scenario:

Reduced Frequency

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	10,610	10,746	10,886	11,030	11,179
Total Revenues	\$ 1,201,513	\$ 1,200,660	\$ 1,200,610	\$ 1,200,746	\$ 1,200,886	\$ 1,201,030	\$ 1,201,179
Expenses							
Cash Operating Expenses	\$ 882,204	\$ 873,558	\$ 896,808	\$ 920,754	\$ 945,419	\$ 970,824	\$ 996,992
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	\$ 1,142,658	\$ 1,175,326	\$ 1,209,021	\$ 1,243,775	\$ 1,279,623	\$ 1,316,598
Net Surplus (Deficiency)	\$ 59,309	\$ 58,002	\$ 25,284	\$ (8,275)	\$ (42,890)	\$ (78,593)	\$ (115,419)
Additions to Meet Coverage	-	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 59,309	\$ 58,002	\$ 25,284	\$ (8,275)	\$ (42,890)	\$ (78,593)	\$ (115,419)
Annual Rate Increase		0.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Cumulative Rate Increase		0.00%	3.00%	6.09%	9.27%	12.55%	15.93%
Revenues After Rate Increases	\$ 1,190,000	\$ 1,190,000	\$ 1,225,700	\$ 1,262,471	\$ 1,300,345	\$ 1,339,355	\$ 1,379,536
Additional Taxes from Rate Increase	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	\$ 59,309	\$ 58,002	\$ 60,984	\$ 64,196	\$ 67,456	\$ 70,763	\$ 74,117
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

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Summary

Recycling Scenario:

Reduced Frequency

Fund Balance	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Operating Reserve							
Beginning Balance	\$ 343,609	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495
plus: Net Cash Flow after Rate Increase	59,309	58,002	60,984	64,196	67,456	70,763	74,117
less: Transfer of Surplus to Capital Fund	(108,045)	(60,892)	(53,213)	(56,192)	(59,211)	(62,271)	(65,371)
Ending Balance	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
<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	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
<i>Maximum Balance Requirement</i>	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
Capital Reserve							
Beginning Balance	\$ 2,830	\$ 110,924	\$ 106,807	\$ 61,103	\$ 63,728	\$ 101,544	\$ 165,593
plus: System Reinvestment Funding	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	108,045	60,892	53,213	56,192	59,211	62,271	65,371
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	1,869	1,069	1,115	1,777	2,898
Total Funding Sources	\$ 110,924	\$ 173,757	\$ 161,889	\$ 118,364	\$ 124,055	\$ 165,593	\$ 233,861
less: Capital Expenditures	-	(66,950)	(100,786)	(54,636)	(22,510)	-	-
Ending Capital Fund Balance	\$ 110,924	\$ 106,807	\$ 61,103	\$ 63,728	\$ 101,544	\$ 165,593	\$ 233,861
<i>Minimum Target Balance</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Combined Beginning Balance							
	\$ 346,439	\$ 405,798	\$ 398,791	\$ 360,858	\$ 371,487	\$ 417,548	\$ 490,087
Combined Ending Balance							
	\$ 405,798	\$ 398,791	\$ 360,858	\$ 371,487	\$ 417,548	\$ 490,087	\$ 567,102
<i>Ending Total Days of Operating Expenditures</i>	168 days	167 days	147 days	147 days	161 days	184 days	208 days
<i>Combined Minimum Target Balance</i>	294,874	291,984	299,755	307,759	316,003	324,495	333,241

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
% of Total (between 1%-2%)		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 User Input	<input type="text" value="\$ -"/>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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%	38%	33%	34%	36%	37%	39%

Petersburg Borough
Utility Rate Study: Sanitation Utility
Recycling Program Scenarios

Historical O&M Expenses for Refuse Collection Trucks

Equipment Number	Type	FY 2017 Actual	FY 2018 Actual	FY 2019 Actual	FY 2020 Estimate	Total	Notes
#3	Automated Sideloader	\$ 12,969	\$ 15,885	\$ 14,144	\$ 28,680	\$ 71,678	FY 2020 based on annualized estimate from first six months of financial activity
#107	Rearloader	23,393	25,722	11,236	10,768	71,119	
#117	Automated Sideloader	41,988	16,835	13,367	14,204	86,394	
Total Motor Pool - Vehicles		\$ 78,350	\$ 58,442	\$ 38,747	\$ 53,653	\$ 229,191	FY 2020 is an estimate based on FY 2017 to FY 2019 actuals
plus: Other Motorpool O&M		26,624	14,396	20,983	18,951	80,955	
501449	Total Motor Pool O&M	\$ 104,974	\$ 72,838	\$ 59,730	\$ 72,604	\$ 311,743	
<i>Fleet Motorpool as % of Total</i>		<i>74.64%</i>	<i>80.23%</i>	<i>64.87%</i>	<i>73.90%</i>		

Historical O&M Expenses for Refuse Collection Trucks - Cost per Route

Equipment Number	Type	Garbage Routes	Recycling Routes	Glass Routes	Total Routes	FY 2017-20 \$ per Route
#3	Automated Sideloader	208	-	-	208	\$ 86.15
#107	Rearloader	178	-	52	230	77.42
#117	Automated Sideloader	-	208	-	208	103.84
Total		386	208	52	646	\$ 88.74

Scenario 1: Projected O&M Expenses for Refuse Collection Trucks

Equipment Number	Type	Garbage Routes	Recycling Routes	Glass Routes	Total Routes	FY 2017-20 \$ per Route	Estimated Cost per Year
#3	Automated Sideloader	208	-	-	208	\$ 86.15	\$ 17,919
#107	Rearloader	178	-	52	230	77.42	17,780
#117	Automated Sideloader	-	208	-	208	103.84	21,599
Total		386	208	52	646		\$ 57,298
Plus: FY 2017 to FY 2020 Average of Other Motorpool O&M							20,239
Annual Motor Pool O&M Estimate							\$ 77,537
<i>Variance from Scenario 1</i>							<i>100.00%</i>

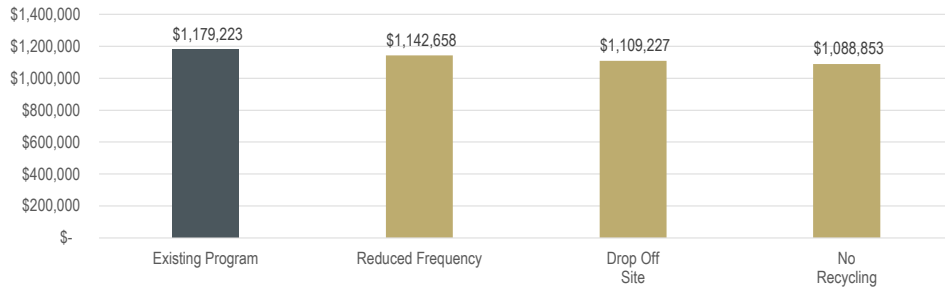
Scenario 2: Projected O&M Expenses for Refuse Collection Trucks

Equipment Number	Type	Garbage Routes	Recycling Routes	Glass Routes	Total Routes	FY 2017-20 \$ per Route	Estimated Cost per Year
#3	Automated Sideloader	282	-	-	282	\$ 86.15	\$ 24,266
#107	Rearloader	-	-	-	-	77.42	-
#117	Automated Sideloader	104	104	52	260	103.84	26,998
Total		386	104	52	542		\$ 51,264
Plus: FY 2017 to FY 2020 Average of Other Motorpool O&M							20,239
Annual Motor Pool O&M Estimate							\$ 71,503
<i>Variance from Scenario 1</i>							<i>92.22%</i>

Scenarios 3 and 4: Projected O&M Expenses for Refuse Collection Trucks

Equipment Number	Type	Garbage Routes	Recycling Routes	Glass Routes	Total Routes	FY 2017-20 \$ per Route	Estimated Cost per Year
#3	Automated Sideloader	282	-	-	282	\$ 86.15	\$ 24,266
#107	Rearloader	-	-	-	-	77.42	-
#117	Automated Sideloader	104	-	52	156	103.84	16,199
Total		386	-	52	438		\$ 40,465
Plus: FY 2017 to FY 2020 Average of Other Motorpool O&M							20,239
Annual Motor Pool O&M Estimate							\$ 60,704
<i>Variance from Scenario 1</i>							<i>78.29%</i>

Estimated Annual Operating Expenses by Recycling Scenario



Assumption	Baseline Forecast	Scenarios			
		Existing Program	Reduced Frequency	Drop Off Site	No Recycling
Annual Garbage Routes	385.00	100.00%	100.00%	100.00%	100.00%
Annual Commingled Recycling Routes	208.00	100.00%	50.00%	0.00%	0.00%
Annual Recycled Glass Routes	52.00	100.00%	100.00%	100.00%	100.00%
Total Annual Collection Routes	645.00	100.00%	83.88%	67.75%	67.75%
Annual Garbage Tonnage (all sources)	2,100.00	100.00%	101.31%	106.55%	113.10%
Garbage Transport Fee (per ton)	\$ 128.00	100.00%	100.00%	100.00%	100.00%
Annual Recycling Tonnage (all sources)	275.00	100.00%	90.00%	50.00%	0.00%
Recycling Transport Fee (per ton)	\$ 170.00	100.00%	100.00%	100.00%	100.00%
Total Bale Disposal	\$ 315,550	100.00%	99.63%	98.17%	96.34%
No Adjustment	-	100.00%	100.00%	100.00%	100.00%
Refuse Collection Trucks in Fleet	3.00	100.00%	66.67%	66.67%	66.67%
Scheduled Replacement for Truck #107	\$ 3,789	100.00%	0.00%	0.00%	0.00%
Motor Pool O&M	\$ 77,537	100.00%	92.22%	78.29%	78.29%
Recycling Expense	30,900	100.00%	90.00%	50.00%	0.00%
[Extra]	-	0.00%	0.00%	0.00%	0.00%

Source

Based on proposed commingled recycling schedules: 7 routes per week from October to April; 8 routes per week from May to September

Based on proposed commingled recycling schedules (reduced from 4 weekly routes to 2 weekly routes)

Based on existing and proposed commingled recycling schedules (one route per week)

2/27 call with Chris

2/6 Internal review meeting

2/27 call with Chris; 2014 King County study estimated a 0% to 2% reduction in waste diversion rate by moving to bi-weekly recycling collection (pg 9)*

2/6 Internal review meeting; unlike garbage rate, the recycling rate adjusts to market conditions

Based on proposed commingled recycling schedules

FY 2021 projected motorpool contribution increase; increases to \$17,999 in FY 2022. In reserves based on proposed commingled recycling schedules

Based on Route and Motor Pool Analysis

Recycling baling costs

Estimated Cost Impact in:

FY 2021

Account #	Account Description	Baseline Forecast	Scenarios				Baseline Forecast Adjusted by Assumption:
			Existing Program	Reduced Frequency	Drop Off Site	No Recycling	
501411	Curbside Recycling Contract	\$ -	100.00%	83.88%	67.75%	67.75%	Total Annual Collection Routes
501451	Vehicle Replacement	66,922	100.00%	66.67%	66.67%	66.67%	Refuse Collection Trucks in Fleet
501480	Repairs & Maintenance	23,058	100.00%	92.22%	78.29%	78.29%	Motor Pool O&M
506416	Recycling Expense	30,900	100.00%	90.00%	50.00%	0.00%	Recycling Expense
501449	Motorpool O&M	90,000	100.00%	92.22%	78.29%	78.29%	Motor Pool O&M
501495	Bale Disposal	269,100	100.00%	99.63%	98.17%	96.34%	Total Bale Disposal
500120	Overtime	8,585	100.00%	83.88%	67.75%	67.75%	Total Annual Collection Routes
[Extra]	[Extra]	-	100.00%	100.00%	100.00%	100.00%	No Adjustment
Total		\$ 488,565	\$ 488,565	\$ 452,000	\$ 418,569	\$ 398,195	

Total O&M Forecast in FY2021	\$ 1,179,223	\$ 1,179,223	\$ 1,142,658	\$ 1,109,227	\$ 1,088,853
Difference - \$	-	\$ (36,564)	\$ (69,995)	\$ (90,370)	
Difference - %		0.00%	-3.10%	-5.94%	-7.66%

Rate Revenue Impact Analysis		Notes			
Cost Savings from Baseline O&M Forecast	\$ -	\$ (36,564)	\$ (69,995)	\$ (90,370)	
2021 Rate Revenue Adjustment	0.00%	0.00%	0.00%	0.00%	

Notes

* "Getting to More: Review of Options for an Area with Robust Recycling." Prepared for Waste Management and King County Solid Waste Division. Final Report 12/5/2014.

** Motorpool expense for replacement of Truck #107 is accounted for in row 79 of O&M tab.

*** Estimated impact assumes cost savings are allocated to collection customers only (does not affect baling and landfilling charge revenue)

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	-	-	-	-	-	-	-
	Reduction to O&M	General Cost Inflation	-	(36,564)	(37,661)	(38,791)	(39,955)	(41,154)	(42,388)
TOTAL CASH OPERATING EXPENSES BEFORE REALIZATION FACTOR			\$ 1,142,204	\$ 1,142,658	\$ 1,175,326	\$ 1,209,021	\$ 1,243,775	\$ 1,279,623	\$ 1,316,598
REALIZATION FACTOR IMPACT (Excluding Taxes)			-	-	-	-	-	-	-
TOTAL CASH OPERATING EXPENSES			\$ 1,142,204	\$ 1,142,658	\$ 1,175,326	\$ 1,209,021	\$ 1,243,775	\$ 1,279,623	\$ 1,316,598

Petersburg Borough
Utility Rate Study: Sanitation Utility
Existing Debt

Existing Debt Service - Summary	Total	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Annual Debt Payments								
Revenue Bonds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PWTF Loans	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-
Total Debt Payments	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Existing Debt Service - Revenue Bonds		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
[Extra 1]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	\$ -	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-
[Extra 2]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	\$ -	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-
[Extra 3]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	\$ -	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-
TOTAL REVENUE BONDS								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	\$ -	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Debt Reserve for Debt Service		-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bonds		-	-	-	-	-	-	-

Petersburg Borough
Utility Rate Study: Sanitation Utility
Existing Debt

Existing Debt Service - PWTF Loans		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
[Extra 1]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra 2]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL PWTF LOANS								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Existing Debt Service - Other Loans		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
[Extra 1]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
[Extra 2]								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL OTHER LOANS								
Annual Interest Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Principal Payment	-	-	-	-	-	-	-	-
Total Annual Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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
	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	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
	Total Capital Projects Before Completion Factor	430,000	-	65,000	95,000	50,000	20,000	-
	Completion Factor Impact	-	-	-	-	-	-	-
	Total Capital Projects	\$ 430,000	\$ -	\$ 65,000	\$ 95,000	\$ 50,000	\$ 20,000	\$ -

Petersburg Borough
Utility Rate Study: Sanitation Utility
Capital Improvement Program

ID	Description	Unescalated Total	FY 2026	FY 2027	FY 2028
	Tire Cutter	\$ 15,000	\$ -	\$ -	\$ -
	Enviro rack Car Disposal System	25,000	-	-	-
	Security Upgrades - Camera System & Haul Road Gate	25,000	-	-	-
	Recycling Drop Off Center	-	-	-	-
	Fire Sprinkler System Replacement	75,000	-	-	-
	Waste Oil Storage System Upgrades	20,000	-	-	-
	Replace/repair Landfill Fencing	50,000	-	-	-
	Storage Quonset Replacement	20,000	-	-	-
	Roof Replacement	200,000	-	-	200,000
		-	-	-	-
		-	-	-	-
	Total Capital Projects Before Completion Factor	430,000	-	-	200,000
	Completion Factor Impact	-	-	-	-
	Total Capital Projects	\$ 430,000	\$ -	\$ -	\$ 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	5,110	5,246	5,386	5,530	5,679
<i>Total Revenue</i>	<u>\$ 1,201,513</u>	<u>\$ 1,200,660</u>	<u>\$ 1,200,610</u>	<u>\$ 1,200,746</u>	<u>\$ 1,200,886</u>	<u>\$ 1,201,030</u>	<u>\$ 1,201,179</u>
EXPENSES							
Cash Operating Expenses	\$ 882,204	\$ 873,558	\$ 896,808	\$ 920,754	\$ 945,419	\$ 970,824	\$ 996,992
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>\$ 1,142,658</u>	<u>\$ 1,175,326</u>	<u>\$ 1,209,021</u>	<u>\$ 1,243,775</u>	<u>\$ 1,279,623</u>	<u>\$ 1,316,598</u>
NET CASH FLOW (DEFICIENCY)	\$ 59,309	\$ 58,002	\$ 25,284	\$ (8,275)	\$ (42,890)	\$ (78,593)	\$ (115,419)

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>None</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>	<i>Cash</i>
Maximum Revenue Deficiency (Surplus)	\$ (59,309)	\$ (58,002)	\$ (25,284)	\$ 8,275	\$ 42,890	\$ 78,593	\$ 115,419
plus: Additional Tax Expense	-	-	-	-	-	-	-
less: Incremental Revenue From Prior Rate Increases	-	-	-	(35,700)	(72,471)	(110,345)	(149,355)
Net Revenue Deficiency (Surplus)	\$ (59,309)	\$ (58,002)	\$ (25,284)	\$ (27,425)	\$ (29,581)	\$ (31,752)	\$ (33,936)

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	-	-	-	35,700	72,471	110,345	149,355
Rate Revenue Before Rate Increase (incl. previous increases)	1,190,000	1,190,000	1,190,000	1,225,700	1,262,471	1,300,345	1,339,355
Required Annual Rate Increase	0.00%	0.00%	0.00%	0.00%	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%	0.00%	0.00%	0.00%	0.00%	0.00%
Policy Induced Rate Increases	0.00%	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%
ANNUAL RATE INCREASE	0.00%	0.00%	3.00%	3.00%	3.00%	3.00%	3.00%
CUMULATIVE RATE INCREASE	0.00%	0.00%	3.00%	6.09%	9.27%	12.55%	15.93%

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	None	Cash	Cash	Cash	Cash
Rate Revenues After Rate Increase	\$ 1,190,000	\$ 1,190,000	\$ 1,225,700	\$ 1,262,471	\$ 1,300,345	\$ 1,339,355	\$ 1,379,536
Full Year Rate Revenues After Rate Increase	1,190,000	1,190,000	1,225,700	1,262,471	1,300,345	1,339,355	1,379,536
Partial Year Adjustment	-	-	-	-	-	-	-
Additional Taxes Due to Rate Increases	-	-	-	-	-	-	-
Net Cash Flow After Rate Increase	\$ 59,309	\$ 58,002	\$ 60,984	\$ 64,196	\$ 67,456	\$ 70,763	\$ 74,117
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	167 days	147 days	147 days	161 days	184 days	208 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	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495
plus: Net Cash Flow after Rate Increase	59,309	58,002	60,984	64,196	67,456	70,763	74,117
less: Transfer of Surplus to Capital Fund	(108,045)	(60,892)	(53,213)	(56,192)	(59,211)	(62,271)	(65,371)
Ending Balance	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
<i>Minimum Target Balance: 122 days</i>	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
<i>Maximum Target Balance: 122 days</i>	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241
<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	\$ 106,807	\$ 61,103	\$ 63,728	\$ 101,544	\$ 165,593
plus: System Reinvestment Funding	-	-	-	-	-	-	-
plus: Transfers from Operating Fund	108,045	60,892	53,213	56,192	59,211	62,271	65,371
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	1,869	1,069	1,115	1,777	2,898
Total Funding Sources	\$ 110,924	\$ 173,757	\$ 161,889	\$ 118,364	\$ 124,055	\$ 165,593	\$ 233,861
less: Capital Expenditures	-	(66,950)	(100,786)	(54,636)	(22,510)	-	-
Ending Capital Fund Balance	\$ 110,924	\$ 106,807	\$ 61,103	\$ 63,728	\$ 101,544	\$ 165,593	\$ 233,861
<i>Minimum Target Balance</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUMMARY							
Combined Beginning Balance	\$ 346,439	\$ 405,798	\$ 398,791	\$ 360,858	\$ 371,487	\$ 417,548	\$ 490,087
Plus: Inflows	\$ 167,403	\$ 120,835	\$ 116,066	\$ 121,457	\$ 127,782	\$ 134,811	\$ 142,385
Less: Outflows	\$ (108,045)	\$ (127,842)	\$ (153,998)	\$ (110,828)	\$ (81,722)	\$ (62,271)	\$ (65,371)
Combined Ending Balance	\$ 405,798	\$ 398,791	\$ 360,858	\$ 371,487	\$ 417,548	\$ 490,087	\$ 567,102
<i>Net Change in Reserves</i>	\$ 59,359	\$ (7,007)	\$ (37,933)	\$ 10,629	\$ 46,061	\$ 72,540	\$ 77,015
TOTAL AVAILABLE CASH TEST: DAYS OF O&M							
Operating & Capital Ending Balance	\$ 405,798	\$ 398,791	\$ 360,858	\$ 371,487	\$ 417,548	\$ 490,087	\$ 567,102
Ending Total Days of O&M	168 days	167 days	147 days	147 days	161 days	184 days	208 days
<i>Target: 122 Days of O&M</i>	\$ 294,874	\$ 291,984	\$ 299,755	\$ 307,759	\$ 316,003	\$ 324,495	\$ 333,241

Petersburg Borough

Utility Rate Study: Sanitation Utility

Assets

Replacement Cost Year:

FY 2020

Asset Number	Asset Description	Purchase Date	Original Cost	% Contributed by Grants / Donations	Original Cost less Contributions	Useful Life (years)	Annual Original Cost Depreciation	ENR Multiplier	Replacement Cost	Replacement Cost Depreciation
	Land				\$ -			0.00	\$ -	\$ -
	Land	1/1/2010	\$ 63,720		\$ 63,720	0	\$ -	1.33	\$ 84,954	\$ -
	Building				\$ -			0.00	\$ -	\$ -
	Building	1/1/1997	\$ 2,211,180		\$ 2,211,180	40	\$ 55,280	2.01	\$ 4,454,783	\$ 111,370
	Landfill Improvements				\$ -			0.00	\$ -	\$ -
	Addition	1/1/1986	\$ 8,600		\$ 8,600	10	\$ -	2.73	\$ 23,499	\$ 2,350
	Chain Link Fence	1/1/1987	\$ 3,741		\$ 3,741	10	\$ -	2.66	\$ 9,966	\$ 997
	Addition	1/1/1988	\$ 1,889		\$ 1,889	10	\$ -	2.60	\$ 4,907	\$ 491
	Improvements	1/1/1989	\$ 9,747		\$ 9,747	10	\$ -	2.54	\$ 24,786	\$ 2,479
	Area for Hazardous Waste	1/1/1989	\$ 10,504		\$ 10,504	10	\$ -	2.54	\$ 26,710	\$ 2,671
	Fencing for Bale Cells	1/1/1997	\$ 68,883		\$ 68,883	15	\$ -	2.01	\$ 138,777	\$ 9,252
	Roll Up Baler Door	1/1/2013	\$ 11,855		\$ 11,855	10	\$ 1,185	1.23	\$ 14,573	\$ 1,457
	Landfill Slope Stabilization (CWIP)	1/1/2015	\$ 599,133		\$ 599,133	10	\$ 59,913	1.17	\$ 700,739	\$ 70,074
	Landfill Slope Stabilization (2015)	1/1/2015	\$ 64,179		\$ 64,179	10	\$ 6,418	1.17	\$ 75,063	\$ 7,506
	Landfill Slope Stabilization (2016)	1/1/2016	\$ 29,163		\$ 29,163	10	\$ 2,916	1.14	\$ 33,104	\$ 3,310
	Machinery & Equipment				\$ -			0.00	\$ -	\$ -
	PC Scale Tower - System License	1/1/2009	\$ -		\$ -	5	\$ -	1.37	\$ -	\$ -
	Heach Exchanger	1/1/2011	\$ 9,771		\$ 9,771	5	\$ -	1.29	\$ 12,643	\$ 2,529
	Baler Rebuild Project Fund 715	1/1/2011	\$ 94,799		\$ 94,799	10	\$ 9,480	1.29	\$ 122,662	\$ 12,266
	10HP Air Compressor	1/1/2016	\$ 8,675		\$ 8,675	5	\$ 1,735	1.14	\$ 9,847	\$ 1,969
	Firelake/Shenandoa WO-F500 Heater	1/1/2018	\$ 12,794		\$ 12,794	5	\$ 2,559	1.06	\$ 13,573	\$ 2,715
	Cardinal 10,000lb Floor Scale	1/1/2019	\$ 6,044		\$ 6,044	5	\$ 1,209	1.03	\$ 6,225	\$ 1,245
	Wire Tie Unit - Accent 470	1/1/2019	\$ 28,503		\$ 28,503	5	\$ 5,701	1.03	\$ 29,358	\$ 5,872
	Computer and Utility Program				\$ -			0.00	\$ -	\$ -
	PCS Utility Software	1/1/2016	\$ 4,830		\$ 4,830	5	\$ 966	1.14	\$ 5,483	\$ 1,097
	Computer for Baler	1/1/2013	\$ 1,294		\$ 1,294	5	\$ -	1.23	\$ 1,590	\$ 318
	RC Technologies (Scale and Software)	1/1/2013	\$ 12,995		\$ 12,995	5	\$ -	1.23	\$ 15,975	\$ 3,195
	Utility Equipment				\$ -			0.00	\$ -	\$ -
	Dumpsters & Garbage Cans	1/1/1995	\$ 46,660		\$ 46,660	10	\$ -	2.14	\$ 100,085	\$ 10,009
	2 Recycle Trailers	1/1/1997	\$ 13,774		\$ 13,774	10	\$ -	2.01	\$ 27,751	\$ 2,775
	Scale for Forklift	1/1/2003	\$ 7,936		\$ 7,936	5	\$ -	1.75	\$ 13,911	\$ 2,782
	Garbage Cans	1/1/2011	\$ 7,261		\$ 7,261	10	\$ 726	1.29	\$ 9,395	\$ 939
	Garbage Cans	1/1/2012	\$ 7,637		\$ 7,637	10	\$ 764	1.26	\$ 9,629	\$ 963
	100 32 Gallon Cans & Lids/Hinges	1/1/2013	\$ 7,468		\$ 7,468	10	\$ 747	1.23	\$ 9,181	\$ 918
	Recycle Cans	1/1/2016	\$ 81,900		\$ 81,900	10	\$ 8,190	1.14	\$ 92,965	\$ 9,296
	Recycle Cans, Lids, and Green Cans	1/1/2017	\$ 23,755		\$ 23,755	10	\$ 2,376	1.09	\$ 25,966	\$ 2,597
	50 96 Gallon Cans & 150 32 Gallon Garbage Cans	1/1/2019	\$ 11,196		\$ 11,196	10	\$ 1,120	1.03	\$ 11,532	\$ 1,153
					\$ -			0.00	\$ -	\$ -
					\$ -			0.00	\$ -	\$ -
	Totals Used in Model		\$ 3,469,887		\$ 3,469,887		\$ 161,283		\$ 6,109,629	\$ 274,593

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%	3.00%	3.00%	3.00%	3.00%	3.00%
Charges							
G1R	\$ 30.51	\$ 30.51	\$ 31.43	\$ 32.37	\$ 33.34	\$ 34.34	\$ 35.37
G1	\$ 36.61	\$ 36.61	\$ 37.71	\$ 38.84	\$ 40.00	\$ 41.20	\$ 42.44
G2	\$ 54.19	\$ 54.19	\$ 55.82	\$ 57.49	\$ 59.21	\$ 60.99	\$ 62.82
G2S	\$ 27.10	\$ 27.10	\$ 27.91	\$ 28.75	\$ 29.61	\$ 30.50	\$ 31.42
G3	\$ 63.57	\$ 63.57	\$ 65.48	\$ 67.44	\$ 69.46	\$ 71.55	\$ 73.70
G1S	\$ 18.30	\$ 18.30	\$ 18.85	\$ 19.41	\$ 20.00	\$ 20.60	\$ 21.21
G1SR	\$ 15.25	\$ 15.25	\$ 15.71	\$ 16.18	\$ 16.66	\$ 17.16	\$ 17.68
G5	\$ 304.84	\$ 304.84	\$ 313.99	\$ 323.40	\$ 333.11	\$ 343.10	\$ 353.39
G6	\$ 184.20	\$ 184.20	\$ 189.73	\$ 195.42	\$ 201.28	\$ 207.32	\$ 213.54
G7	\$ 342.54	\$ 342.54	\$ 352.82	\$ 363.40	\$ 374.30	\$ 385.53	\$ 397.10
G8	\$ 83.68	\$ 83.68	\$ 86.19	\$ 88.78	\$ 91.44	\$ 94.18	\$ 97.01
G9	\$ 123.89	\$ 123.89	\$ 127.61	\$ 131.43	\$ 135.38	\$ 139.44	\$ 143.62
G10	\$ 365.16	\$ 365.16	\$ 376.11	\$ 387.40	\$ 399.02	\$ 410.99	\$ 423.32
G11	\$ 606.43	\$ 606.43	\$ 624.62	\$ 643.36	\$ 662.66	\$ 682.54	\$ 703.02
G12	\$ 681.83	\$ 681.83	\$ 702.28	\$ 723.35	\$ 745.05	\$ 767.41	\$ 790.43
G13	\$ 113.16	\$ 113.16	\$ 116.55	\$ 120.05	\$ 123.65	\$ 127.36	\$ 131.18
G14	\$ 184.20	\$ 184.20	\$ 189.73	\$ 195.42	\$ 201.28	\$ 207.32	\$ 213.54
G15	\$ 546.11	\$ 546.11	\$ 562.49	\$ 579.37	\$ 596.75	\$ 614.65	\$ 633.09
G16	\$ 908.01	\$ 908.01	\$ 935.25	\$ 963.31	\$ 992.21	\$ 1,021.97	\$ 1,052.63
G17	\$ 1,021.11	\$ 1,021.11	\$ 1,051.74	\$ 1,083.30	\$ 1,115.79	\$ 1,149.27	\$ 1,183.75
G18	\$ 244.52	\$ 244.52	\$ 251.86	\$ 259.41	\$ 267.19	\$ 275.21	\$ 283.47
G19	\$ 485.79	\$ 485.79	\$ 500.36	\$ 515.37	\$ 530.84	\$ 546.76	\$ 563.16
G20	\$ 244.52	\$ 244.52	\$ 251.86	\$ 259.41	\$ 267.19	\$ 275.21	\$ 283.47
G21	\$ 727.06	\$ 727.06	\$ 748.87	\$ 771.34	\$ 794.48	\$ 818.31	\$ 842.86
G22	\$ 1,209.60	\$ 1,209.60	\$ 1,245.89	\$ 1,283.26	\$ 1,321.76	\$ 1,361.42	\$ 1,402.26
G23	\$ 1,360.39	\$ 1,360.39	\$ 1,401.20	\$ 1,443.24	\$ 1,486.53	\$ 1,531.13	\$ 1,577.06
G24	\$ 908.01	\$ 908.01	\$ 935.25	\$ 963.31	\$ 992.21	\$ 1,021.97	\$ 1,052.63
G25	\$ 1,511.19	\$ 1,511.19	\$ 1,556.53	\$ 1,603.22	\$ 1,651.32	\$ 1,700.86	\$ 1,751.88
G26	\$ 1,699.68	\$ 1,699.68	\$ 1,750.67	\$ 1,803.19	\$ 1,857.29	\$ 1,913.00	\$ 1,970.39
G27	\$ 2,076.66	\$ 2,076.66	\$ 2,138.96	\$ 2,203.13	\$ 2,269.22	\$ 2,337.30	\$ 2,407.42
G28	\$ 2,378.25	\$ 2,378.25	\$ 2,449.60	\$ 2,523.09	\$ 2,598.78	\$ 2,676.74	\$ 2,757.04
G29	\$ 1,088.97	\$ 1,088.97	\$ 1,121.64	\$ 1,155.29	\$ 1,189.95	\$ 1,225.65	\$ 1,262.41
G30	\$ 1,081.43	\$ 1,081.43	\$ 1,113.87	\$ 1,147.29	\$ 1,181.71	\$ 1,217.16	\$ 1,253.67
G31	\$ 2,174.68	\$ 2,174.68	\$ 2,239.92	\$ 2,307.12	\$ 2,376.33	\$ 2,447.62	\$ 2,521.05
G32	\$ 681.82	\$ 681.82	\$ 702.27	\$ 723.34	\$ 745.04	\$ 767.39	\$ 790.42
G33	\$ 1,360.39	\$ 1,360.39	\$ 1,401.20	\$ 1,443.24	\$ 1,486.53	\$ 1,531.13	\$ 1,577.06
G34	\$ 2,038.96	\$ 2,038.96	\$ 2,100.13	\$ 2,163.13	\$ 2,228.03	\$ 2,294.87	\$ 2,363.71
G35	\$ 2,717.53	\$ 2,717.53	\$ 2,799.06	\$ 2,883.03	\$ 2,969.52	\$ 3,058.60	\$ 3,150.36
G36	\$ 3,396.10	\$ 3,396.10	\$ 3,497.98	\$ 3,602.92	\$ 3,711.01	\$ 3,822.34	\$ 3,937.01
G37	\$ 4,074.67	\$ 4,074.67	\$ 4,196.91	\$ 4,322.82	\$ 4,452.50	\$ 4,586.08	\$ 4,723.66
G38	\$ 4,753.24	\$ 4,753.24	\$ 4,895.84	\$ 5,042.71	\$ 5,193.99	\$ 5,349.81	\$ 5,510.31
G39	\$ 2,038.96	\$ 2,038.96	\$ 2,100.13	\$ 2,163.13	\$ 2,228.03	\$ 2,294.87	\$ 2,363.71
G40	\$ 727.06	\$ 727.06	\$ 748.87	\$ 771.34	\$ 794.48	\$ 818.31	\$ 842.86
G41	\$ 402.86	\$ 402.86	\$ 414.95	\$ 427.39	\$ 440.22	\$ 453.42	\$ 467.03
G42	\$ 523.49	\$ 523.49	\$ 539.19	\$ 555.37	\$ 572.03	\$ 589.19	\$ 606.87
G43	\$ 1,043.73	\$ 1,043.73	\$ 1,075.04	\$ 1,107.29	\$ 1,140.51	\$ 1,174.73	\$ 1,209.97
G44	\$ 1,563.96	\$ 1,563.96	\$ 1,610.88	\$ 1,659.21	\$ 1,708.98	\$ 1,760.25	\$ 1,813.06
G45	\$ 968.33	\$ 968.33	\$ 997.38	\$ 1,027.30	\$ 1,058.12	\$ 1,089.86	\$ 1,122.56
G46	\$ 2,604.44	\$ 2,604.44	\$ 2,682.57	\$ 2,763.05	\$ 2,845.94	\$ 2,931.32	\$ 3,019.26
G47	\$ 164.10	\$ 164.10	\$ 169.02	\$ 174.09	\$ 179.32	\$ 184.70	\$ 190.24
G48	\$ 44.47	\$ 44.47	\$ 45.80	\$ 47.18	\$ 48.59	\$ 50.05	\$ 51.55
G49	\$ 68.15	\$ 68.15	\$ 70.19	\$ 72.30	\$ 74.47	\$ 76.70	\$ 79.00
G51	\$ 2,084.20	\$ 2,084.20	\$ 2,146.73	\$ 2,211.13	\$ 2,277.46	\$ 2,345.79	\$ 2,416.16
G52	\$ 112.16	\$ 112.16	\$ 115.52	\$ 118.99	\$ 122.56	\$ 126.24	\$ 130.02
G53	\$ 365.16	\$ 365.16	\$ 376.11	\$ 387.40	\$ 399.02	\$ 410.99	\$ 423.32
G54	\$ 3,883.73	\$ 3,883.73	\$ 4,000.24	\$ 4,120.25	\$ 4,243.86	\$ 4,371.17	\$ 4,502.31
G55	\$ 3,056.82	\$ 3,056.82	\$ 3,148.52	\$ 3,242.98	\$ 3,340.27	\$ 3,440.48	\$ 3,543.69
G56	\$ 508.55	\$ 508.55	\$ 523.81	\$ 539.52	\$ 555.71	\$ 572.38	\$ 589.55
G57	\$ 1,454.13	\$ 1,454.13	\$ 1,497.75	\$ 1,542.69	\$ 1,588.97	\$ 1,636.64	\$ 1,685.74
G97	\$ 304.84	\$ 304.84	\$ 313.99	\$ 323.40	\$ 333.11	\$ 343.10	\$ 353.39

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