

Town of Alpine Monthly Engineer's Report

Meeting Date: January 21, 2025
Submitted By: Kevin Meagher, Project Manager
Prepared On: January 16, 2025

Summary of Tasks

Water Fund:

1. AMI Radio Read Project:
 - Notice to Proceed has been issued.
 - Change Order #1 has been processed and sent to the contractor
 - Material ordering is underway. Core and Main is looking to start work in the spring.
 - Pre-con meeting to be scheduled prior to first installations. Schedule submission from Core and Main forthcoming.
2. Development Reviews:
 - Alpine Village Subdivision project from Harmony Design requested water and sewer information for upcoming project . As-built drawings of water/sewer infrastructure were provided for the associated areas.
 - Water and Sewer ordinance revision process is starting for fees and installation standards
 - Water/Sewer Standard Details revised, Road Standards and details being developed
3. Water Study – Midwest Assistance Program sent the Town staff the water study report. Report recommends increasing rates to cover base costs (see attached)

Sewer Fund:

1. Wastewater Treatment Plant:
 - Back-up operators (Alan Svalberg and Ahren Schultheis) helped Public Works staff with system orientation, operation and testing.
 - KUBOTA water treatment systems operator flew in and helped with the operator transition. (no charge)
 - Back-up operators ran all the monthly tests to insure they were within DEQ compliance

Pre-Treatment Plant Update:

1. Building construction:

- The second larger underground EQ Tank was filled, tested and passed the leak test
- Generator block heater needs to be replaced and is on order
- General contractor to install snow guards on roof to protect new ventilation equipment

2. Process Piping Systems construction:

- Process piping substantial completion date is scheduled for January 31st.
- Process integration and start-up is scheduled for mid-February.
- KVA Consulting to visit site for final review and punch list in February
- Plant turn-over is expected to be in March
- Weekly construction meetings continue
- Upcoming change orders for review are;
 - \$21, 477.00 - Precision for Change Order-2 (see attached C/O-2)
 - TBD – Precision temperature controls
 - TBD – Cambrian for full plant start-up

Alpine Water Rate Study Summary

Background Information

- The rate study is as accurate as the figures that were given to MAP.
- There are a total of 925 accounts used for the rate study – residential.
- 260 accounts showed 0 metered usage.
- The current rates are residential base rate at \$31.00 and usage at \$2.00 per 1000 gallons. No commercial rates are currently in place.
- Usage was used from January 2023 to December 2023.
- Financial information came from the 2021, 2022, and 2023 actuals.
- Other sources are usage per account over a 12-month period, loans, and reserves.

Rate Study

- A fairness check was performed to spread the burden fairly among the customers.
 - The fairness check should be within $\pm 2\%$.
- Most of the people are paying their fair share; however, the lowest residential users are overpaying 4.71% and the highest residential users are underpaying 6.99%, respectively.
- With the current rates and usage, the city will collect around \$545,000.
- The recorded usage was more than 97,000,000 gallons.
- The current base rate charge only covers the costs of salaries and benefits and does not address other fixed costs

Rate Analysis

- 2021, 2022, actual financials were even and the 2023 actuals showed a deficit of \$143,343.
- Based on MAP's projection, the water revenue should be at minimum \$748,000.
- EPA would consider a combined annual water and wastewater bill of less than 4.5% of MHI to be affordable.
 - MHI: \$79,750, EPA Affordable: 4.5%, Affordable Cost: \$3,588
 - Average Usage for Residential: 12236 gallons per month, Average Residential Bill: \$55.47/month.
- Residential Rates
 - **A \$1.00 increase in the base rate of water will yield an additional \$11,100 annually (see Appendix A)**
 - **A \$1.00 increase for the usage rate of water will yield an additional \$97,000 annually (see Appendix B)**
- Commercial Rates
 - Amending the base rate for different size meters will help address the commercial rate as businesses often require larger services for higher flows
 - Usage rates could also be adjusted higher for commercial accounts
- The average operating ratio for the last three years is 0.95
 - The operating ratio should be at least 1.1 or 1.2.
 - The city would need to collect \$748,000 to meet the 1.2 operating ratio.
- The city has been proactive by going after delinquent accounts.

- The water system has three outstanding loans that have total annual payments of \$28,398.
- The projected \$1.4 million mega well project cost would require a \$4/month increase applied to all 925 service connections assuming 50% loan forgiveness and an interest rate of 2% for a period of 20 years.
- Amending the current base rate to a structure that assigns variable rates for different sized service connections could generate an additional \$44,460 annually
(see Appendix C)

Recommendations/Suggestions

- MAP recommends performing a water audit to determine water loss in the system.
 - Leak detection.
- Keep track of water loss. A standard acceptable loss is below 15%.
- Maximize revenue and minimize expenses.
- MAP recommends adjusting the base rate to charge the rate per meter size shown in appendix C
- MAP recommends raising the base rate to cover the cost of fixed costs
- MAP recommends raising the usage rate to a minimum of \$3.50/1000 gallons
- MAP recommends applying an increasing rate of 3% per year once the initial rate raise is adopted to allow for inflation.
- Other Recommendations:
 - Developing an Asset Management Plan
 - Adjust rates periodically to keep up with inflation and costs

Base Rate	\$ 31.00
Usage Rate per 1000	2

Total Rev \$ 376,236.68
507810

507810

Usage Rate per 1000	\$ 3.50
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#DIV/0!

36179.66
317261.94

			Revenue	
Residential	665	Residential Sewer Base		5,000
Commercial	0	Commercial Sewer Base		0
Total	665	Residential Usage %	\$ 37,623.67	
		Commercial Usage %	#DIV/0!	
			Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 2.5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	31	31	198.75	6161.25	18.10%	14.95%	-3.16%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	1.43943236	31	32.43943236	36.00	1167.82	3.43%	2.90%	-0.53%	\$ 1,116.00	\$ 51.82	\$ 1,167.82	
1001-2000	1640	4.099733144	31	35.09973314	38.09	1336.98	3.93%	3.45%	-0.48%	\$ 1,180.82	\$ 156.16	\$ 1,336.98	
2001-3000	2679	6.698565651	31	37.69856565	40.27	1518.22	4.46%	4.03%	-0.43%	\$ 1,248.45	\$ 269.77	\$ 1,518.22	
3001-4000	3548	8.870114887	31	39.87011489	40.27	1605.68	4.72%	4.36%	-0.36%	\$ 1,248.45	\$ 357.22	\$ 1,605.68	
4001-5000	4603	11.50871745	31	42.50871745	34.45	1464.62	4.30%	4.07%	-0.24%	\$ 1,068.09	\$ 396.53	\$ 1,464.62	
5001-6000	5622	14.05405677	31	45.05405677	35.18	1585.08	4.66%	4.49%	-0.17%	\$ 1,090.64	\$ 494.45	\$ 1,585.08	
6001-7000	6528	16.32012786	31	47.32012786	24.27	1148.59	3.37%	3.30%	-0.07%	\$ 752.45	\$ 396.13	\$ 1,148.59	
7001-8000	7630	19.07596132	31	50.07596132	21.82	1092.57	3.21%	3.19%	-0.02%	\$ 676.36	\$ 416.20	\$ 1,092.57	
8001-9000	8610	21.523832	31	52.523832	17.73	931.10	2.74%	2.75%	0.02%	\$ 549.55	\$ 381.56	\$ 931.10	
9001-10000	9421	23.55311793	31	54.55311793	10.64	580.25	1.70%	1.73%	0.03%	\$ 329.73	\$ 250.52	\$ 580.25	
10001-11000	10515	26.2878571	31	57.2878571	21.73	1244.71	3.66%	3.76%	0.10%	\$ 673.55	\$ 571.16	\$ 1,244.71	
11001-12000	11504	28.76000806	31	59.76000806	14.82	885.53	2.60%	2.70%	0.10%	\$ 459.36	\$ 426.17	\$ 885.53	
12001-13000	12601	31.50344767	31	62.50344767	10.45	653.45	1.92%	2.01%	0.09%	\$ 324.09	\$ 329.35	\$ 653.45	
13001-14000	13434	33.58613491	31	64.58613491	20.45	1321.08	3.88%	4.10%	0.22%	\$ 634.09	\$ 686.99	\$ 1,321.08	
14001-15000	14443	36.10778757	31	67.10778757	16.36	1098.13	3.23%	3.43%	0.20%	\$ 507.27	\$ 590.85	\$ 1,098.13	
High Users	36588	91.47116095	31	122.471161	83.64	10243.04	30.09%	34.78%	4.69%	\$ 2,592.73	\$ 7,650.32	\$ 10,243.04	
149944				Totals	665	34038.10	100.00%	1.00%	0.00%	\$20,612.89	\$ 13,425.21	\$ 34,038.10	
Total Rev						\$ 408,457.20	Additional revenue from rate change						\$ 32,221.20
376236													

376236

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income			
User Class															
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66	
					Total Rev	#DIV/0!								#DIV/0!	317261.94
						#DIV/0!									

Residential 665 Residential Sewer Base
Commercial 0 Commercial Sewer Base
Total 665 Residential Usage %
Commercial Usage %

Revenue

54

0

\$40,845.72

#DIV/0!

Annual

#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 3

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	Use												
0	0	0	31	31	198.75	6161.25	16.78%	14.95%	-1.83%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	1.727318832	31	32.72731883	36.00	1178.18	3.21%	2.90%	-0.31%	\$ 1,116.00	\$ 62.18	\$ 1,178.18	
1001-2000	1640	4.919679773	31	35.91967977	38.09	1368.21	3.73%	3.45%	-0.28%	\$ 1,180.82	\$ 187.40	\$ 1,368.21	
2001-3000	2679	8.038278782	31	39.03827878	40.27	1572.18	4.28%	4.03%	-0.25%	\$ 1,248.45	\$ 323.72	\$ 1,572.18	
3001-4000	3548	10.64413786	31	41.64413786	40.27	1677.12	4.57%	4.36%	-0.21%	\$ 1,248.45	\$ 428.67	\$ 1,677.12	
4001-5000	4603	13.81046094	31	44.81046094	34.45	1543.92	4.20%	4.07%	-0.14%	\$ 1,068.09	\$ 475.83	\$ 1,543.92	
5001-6000	5622	16.86486813	31	47.86486813	35.18	1683.97	4.59%	4.49%	-0.10%	\$ 1,090.64	\$ 593.34	\$ 1,683.97	
6001-7000	6528	19.58415343	31	50.58415343	24.27	1227.82	3.34%	3.30%	-0.04%	\$ 752.45	\$ 475.36	\$ 1,227.82	
7001-8000	7630	22.89115358	31	53.89115358	21.82	1175.81	3.20%	3.19%	-0.01%	\$ 676.36	\$ 499.44	\$ 1,175.81	
8001-9000	8610	25.8285984	31	56.8285984	17.73	1007.42	2.74%	2.75%	0.01%	\$ 549.55	\$ 457.87	\$ 1,007.42	
9001-10000	9421	28.26374152	31	59.26374152	10.64	630.35	1.72%	1.73%	0.02%	\$ 329.73	\$ 300.62	\$ 630.35	
10001-11000	10515	31.54542852	31	62.54542852	21.73	1358.94	3.70%	3.76%	0.06%	\$ 673.55	\$ 685.40	\$ 1,358.94	
11001-12000	11504	34.51200967	31	65.51200967	14.82	970.77	2.64%	2.70%	0.06%	\$ 459.36	\$ 511.41	\$ 970.77	
12001-13000	12601	37.8041372	31	68.8041372	10.45	719.32	1.96%	2.01%	0.05%	\$ 324.09	\$ 395.23	\$ 719.32	
13001-14000	13434	40.30336189	31	71.30336189	20.45	1458.48	3.97%	4.10%	0.13%	\$ 634.09	\$ 824.39	\$ 1,458.48	
14001-15000	14443	43.32934508	31	74.32934508	16.36	1216.30	3.31%	3.43%	0.12%	\$ 507.27	\$ 709.03	\$ 1,216.30	
High Users	36588	109.7653931	31	140.7653931	83.64	11773.11	32.06%	34.78%	2.72%	\$ 2,592.73	\$ 9,180.38	\$ 11,773.11	
149944				Totals	665	36723.14	100.00%	1.00%	0.00%	\$20,612.89	\$ 16,110.26	\$ 36,723.14	
Total Rev						\$ 440,677.71	Additional revenue from rate change						\$ 64,441.71

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)		- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class	Use														
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!	#DIV/0!			Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
					Total Rev	#DIV/0!								#DIV/0!	317261.94
						#DIV/0!									

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$4,067.77
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 3.5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
User Class	0	0	31	31	198.75	6161.25	15.63%	14.95%	-0.69%	\$ 6,161.25	\$ -	\$ 6,161.25
Under 1000	576	2.015205304	31	33.0152053	36.00	1188.55	3.02%	2.90%	-0.12%	\$ 1,116.00	\$ 72.55	\$ 1,188.55
1001-2000	1640	5.739626401	31	36.7396264	38.09	1399.45	3.55%	3.45%	-0.11%	\$ 1,180.82	\$ 218.63	\$ 1,399.45
2001-3000	2679	9.377991912	31	40.37799191	40.27	1626.13	4.13%	4.03%	-0.09%	\$ 1,248.45	\$ 377.68	\$ 1,626.13
3001-4000	3548	12.41816084	31	43.41816084	40.27	1748.57	4.44%	4.36%	-0.08%	\$ 1,248.45	\$ 500.11	\$ 1,748.57
4001-5000	4603	16.11220443	31	47.11220443	34.45	1623.23	4.12%	4.07%	-0.05%	\$ 1,068.09	\$ 555.14	\$ 1,623.23
5001-6000	5622	19.67567948	31	50.67567948	35.18	1782.86	4.52%	4.49%	-0.04%	\$ 1,090.64	\$ 692.23	\$ 1,782.86
6001-7000	6528	22.848179	31	53.848179	24.27	1307.04	3.32%	3.30%	-0.02%	\$ 752.45	\$ 554.59	\$ 1,307.04
7001-8000	7630	26.70634584	31	57.70634584	21.82	1259.05	3.19%	3.19%	0.00%	\$ 676.36	\$ 582.68	\$ 1,259.05
8001-9000	8610	30.1333648	31	61.1333648	17.73	1083.73	2.75%	2.75%	0.00%	\$ 549.55	\$ 534.18	\$ 1,083.73
9001-10000	9421	32.9743651	31	63.9743651	10.64	680.45	1.73%	1.73%	0.01%	\$ 329.73	\$ 350.73	\$ 680.45
10001-11000	10515	36.80299994	31	67.80299994	21.73	1473.17	3.74%	3.76%	0.02%	\$ 673.55	\$ 799.63	\$ 1,473.17
11001-12000	11504	40.26401129	31	71.26401129	14.82	1056.00	2.68%	2.70%	0.02%	\$ 459.36	\$ 596.64	\$ 1,056.00
12001-13000	12601	44.10482673	31	75.10482673	10.45	785.19	1.99%	2.01%	0.02%	\$ 324.09	\$ 461.10	\$ 785.19
13001-14000	13434	47.02058887	31	78.02058887	20.45	1595.88	4.05%	4.10%	0.05%	\$ 634.09	\$ 961.78	\$ 1,595.88
14001-15000	14443	50.55090259	31	81.55090259	16.36	1334.47	3.39%	3.43%	0.04%	\$ 507.27	\$ 827.20	\$ 1,334.47
High Users	36588	128.0596253	31	159.0596253	83.64	13303.17	33.76%	34.78%	1.02%	\$ 2,592.73	\$ 10,710.44	\$ 13,303.17
149944				Totals	665	39408.18	100.00%	1.00%	0.00%	\$20,612.89	\$ 18,795.30	\$ 39,408.18
					Total Rev	\$ 472,898.22	Additional revenue from rate change					\$ 96,662.22
						376236						

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class														
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
					Total Rev	#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 47,289.82
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 4

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	31	31	198.75	6161.25	14.64%	14.95%	0.31%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	2.303091776	31	33.30309178	36.00	1198.91	2.85%	2.90%	0.05%	\$ 1,116.00	\$ 82.91	\$ 1,198.91	
1001-2000	1640	6.55957303	31	37.55957303	38.09	1430.68	3.40%	3.45%	0.05%	\$ 1,180.82	\$ 249.86	\$ 1,430.68	
2001-3000	2679	10.71770504	31	41.71770504	40.27	1680.09	3.99%	4.03%	0.04%	\$ 1,248.45	\$ 431.63	\$ 1,680.09	
3001-4000	3548	14.19218382	31	45.19218382	40.27	1820.01	4.32%	4.36%	0.03%	\$ 1,248.45	\$ 571.56	\$ 1,820.01	
4001-5000	4603	18.41394791	31	49.41394791	34.45	1702.54	4.04%	4.07%	0.02%	\$ 1,068.09	\$ 634.44	\$ 1,702.54	
5001-6000	5622	22.48649084	31	53.48649084	35.18	1881.75	4.47%	4.49%	0.02%	\$ 1,090.64	\$ 791.12	\$ 1,881.75	
6001-7000	6528	26.11220457	31	57.11220457	24.27	1386.27	3.29%	3.30%	0.01%	\$ 752.45	\$ 633.81	\$ 1,386.27	
7001-8000	7630	30.52153811	31	61.52153811	21.82	1342.29	3.19%	3.19%	0.00%	\$ 676.36	\$ 665.92	\$ 1,342.29	
8001-9000	8610	34.4381312	31	65.4381312	17.73	1160.04	2.76%	2.75%	0.00%	\$ 549.55	\$ 610.49	\$ 1,160.04	
9001-10000	9421	37.68498869	31	68.68498869	10.64	730.56	1.74%	1.73%	0.00%	\$ 329.73	\$ 400.83	\$ 730.56	
10001-11000	10515	42.06057136	31	73.06057136	21.73	1587.41	3.77%	3.76%	-0.01%	\$ 673.55	\$ 913.86	\$ 1,587.41	
11001-12000	11504	46.0160129	31	77.0160129	14.82	1141.24	2.71%	2.70%	-0.01%	\$ 459.36	\$ 681.87	\$ 1,141.24	
12001-13000	12601	50.40551626	31	81.40551626	10.45	851.06	2.02%	2.01%	-0.01%	\$ 324.09	\$ 526.97	\$ 851.06	
13001-14000	13434	53.73781586	31	84.73781586	20.45	1733.27	4.12%	4.10%	-0.02%	\$ 634.09	\$ 1,099.18	\$ 1,733.27	
14001-15000	14443	57.77246011	31	88.77246011	16.36	1452.64	3.45%	3.43%	-0.02%	\$ 507.27	\$ 945.37	\$ 1,452.64	
High Users	36588	146.3538575	31	177.3538575	83.64	14833.23	35.24%	34.78%	-0.46%	\$ 2,592.73	\$ 12,240.50	\$ 14,833.23	
149944				Totals	665	42093.23	100.00%	1.00%	0.00%	\$20,612.89	\$ 21,480.34	\$ 42,093.23	
						Total Rev	\$ 505,118.73	Additional revenue from rate change					\$ 128,882.73
							376236						

376236

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income			
User Class															
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66	
					Total Rev	#DIV/0!								#DIV/0!	317261.94
						#DIV/0!									

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 50,511.87
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 4.5

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s @	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected			
										Base Rate	Projected Volume Charge	Projected Monthly Income	
0	0	0	31	31	198.75	6161.25	13.76%	14.95%	1.19%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	2.590978248	31	33.59097825	36.00	1209.28	2.70%	2.90%	0.20%	\$ 1,116.00	\$ 93.28	\$ 1,209.28	
1001-2000	1640	7.379519659	31	38.37951966	38.09	1461.91	3.26%	3.45%	0.18%	\$ 1,180.82	\$ 281.09	\$ 1,461.91	
2001-3000	2679	12.05741817	31	43.05741817	40.27	1734.04	3.87%	4.03%	0.16%	\$ 1,248.45	\$ 485.59	\$ 1,734.04	
3001-4000	3548	15.9662068	31	46.9662068	40.27	1891.46	4.22%	4.36%	0.13%	\$ 1,248.45	\$ 643.00	\$ 1,891.46	
4001-5000	4603	20.7156914	31	51.7156914	34.45	1781.84	3.98%	4.07%	0.09%	\$ 1,068.09	\$ 713.75	\$ 1,781.84	
5001-6000	5622	25.29730219	31	56.29730219	35.18	1980.64	4.42%	4.49%	0.06%	\$ 1,090.64	\$ 890.01	\$ 1,980.64	
6001-7000	6528	29.37623014	31	60.37623014	24.27	1465.50	3.27%	3.30%	0.03%	\$ 752.45	\$ 713.04	\$ 1,465.50	
7001-8000	7630	34.33673037	31	65.33673037	21.82	1425.53	3.18%	3.19%	0.01%	\$ 676.36	\$ 749.17	\$ 1,425.53	
8001-9000	8610	38.7428976	31	69.7428976	17.73	1236.35	2.76%	2.75%	-0.01%	\$ 549.55	\$ 686.81	\$ 1,236.35	
9001-10000	9421	42.39561227	31	73.39561227	10.64	780.66	1.74%	1.73%	-0.01%	\$ 329.73	\$ 450.94	\$ 780.66	
10001-11000	10515	47.31814279	31	78.31814279	21.73	1701.64	3.80%	3.76%	-0.04%	\$ 673.55	\$ 1,028.09	\$ 1,701.64	
11001-12000	11504	51.76801451	31	82.76801451	14.82	1226.47	2.74%	2.70%	-0.04%	\$ 459.36	\$ 767.11	\$ 1,226.47	
12001-13000	12601	56.7062058	31	87.7062058	10.45	916.93	2.05%	2.01%	-0.03%	\$ 324.09	\$ 592.84	\$ 916.93	
13001-14000	13434	60.45504284	31	91.45504284	20.45	1870.67	4.18%	4.10%	-0.08%	\$ 634.09	\$ 1,236.58	\$ 1,870.67	
14001-15000	14443	64.99401762	31	95.99401762	16.36	1570.81	3.51%	3.43%	-0.08%	\$ 507.27	\$ 1,063.54	\$ 1,570.81	
High Users	36588	164.6480897	31	195.6480897	83.64	16363.29	36.54%	34.78%	-1.76%	\$ 2,592.73	\$ 13,770.57	\$ 16,363.29	
149944				Totals	665	44778.27	100.00%	1.00%	0.00%	\$20,612.89	\$ 24,165.38	\$ 44,778.27	
					Total Rev	\$ 537,339.24	Additional revenue from rate change						\$ 161,103.24

Total Rev \$ 537,339.24

Additional revenue from rate change \$ 161,103.24

376236

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
#DIV/0!					Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Total Rev #DIV/0!

#DIV/0! 36179.66
#DIV/0! 317261.94

#DIV/0!

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 53,733.92
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	31	31	198.75	6161.25	12.98%	14.95%	1.96%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	2.87886472	31	33.87886472	36.00	1219.64	2.57%	2.90%	0.33%	\$ 1,116.00	\$ 103.64	\$ 1,219.64	
1001-2000	1640	8.199466288	31	39.19946629	38.09	1493.14	3.15%	3.45%	0.30%	\$ 1,180.82	\$ 312.33	\$ 1,493.14	
2001-3000	2679	13.3971313	31	44.3971313	40.27	1787.99	3.77%	4.03%	0.27%	\$ 1,248.45	\$ 539.54	\$ 1,787.99	
3001-4000	3548	17.74022977	31	48.74022977	40.27	1962.90	4.14%	4.36%	0.22%	\$ 1,248.45	\$ 714.45	\$ 1,962.90	
4001-5000	4603	23.01743489	31	54.01743489	34.45	1861.15	3.92%	4.07%	0.15%	\$ 1,068.09	\$ 793.06	\$ 1,861.15	
5001-6000	5622	28.10811354	31	59.10811354	35.18	2079.53	4.38%	4.49%	0.11%	\$ 1,090.64	\$ 988.89	\$ 2,079.53	
6001-7000	6528	32.64025571	31	63.64025571	24.27	1544.72	3.25%	3.30%	0.05%	\$ 752.45	\$ 792.27	\$ 1,544.72	
7001-8000	7630	38.15192264	31	69.15192264	21.82	1508.77	3.18%	3.19%	0.01%	\$ 676.36	\$ 832.41	\$ 1,508.77	
8001-9000	8610	43.047664	31	74.047664	17.73	1312.66	2.77%	2.75%	-0.01%	\$ 549.55	\$ 763.12	\$ 1,312.66	
9001-10000	9421	47.10623586	31	78.10623586	10.64	830.77	1.75%	1.73%	-0.02%	\$ 329.73	\$ 501.04	\$ 830.77	
10001-11000	10515	52.57571421	31	83.57571421	21.73	1815.87	3.83%	3.76%	-0.06%	\$ 673.55	\$ 1,142.33	\$ 1,815.87	
11001-12000	11504	57.52001612	31	88.52001612	14.82	1311.71	2.76%	2.70%	-0.06%	\$ 459.36	\$ 852.34	\$ 1,311.71	
12001-13000	12601	63.00689533	31	94.00689533	10.45	982.80	2.07%	2.01%	-0.06%	\$ 324.09	\$ 658.71	\$ 982.80	
13001-14000	13434	67.17226982	31	98.17226982	20.45	2008.07	4.23%	4.10%	-0.13%	\$ 634.09	\$ 1,373.98	\$ 2,008.07	
14001-15000	14443	72.21557513	31	103.2155751	16.36	1688.98	3.56%	3.43%	-0.13%	\$ 507.27	\$ 1,181.71	\$ 1,688.98	
High Users	36588	182.9423219	31	213.9423219	83.64	17893.36	37.70%	34.78%	-2.92%	\$ 2,592.73	\$ 15,300.63	\$ 17,893.36	
149944				Totals	665	47463.31	100.00%	1.00%	0.00%	\$20,612.89	\$ 26,850.43	\$ 47,463.31	
Total Rev						\$ 569,559.75	Additional revenue from rate change						\$ 193,323.75
						376236							

376236

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class	Use	Charge	Rate	(b)	©	(d)	(e)	(f)	Equity	Rate	Charge	Income		
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
					Total Rev	#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 56,955.98
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 5.5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	31	31	198.75	6161.25	12.29%	14.95%	2.66%	\$ 6,161.25	\$ -	\$ 6,161.25	
Under 1000	576	3.166751192	31	34.16675119	36.00	1230.00	2.45%	2.90%	0.45%	\$ 1,116.00	\$ 114.00	\$ 1,230.00	
1001-2000	1640	9.019412916	31	40.01941292	38.09	1524.38	3.04%	3.45%	0.41%	\$ 1,180.82	\$ 343.56	\$ 1,524.38	
2001-3000	2679	14.73684443	31	45.73684443	40.27	1841.95	3.67%	4.03%	0.36%	\$ 1,248.45	\$ 593.49	\$ 1,841.95	
3001-4000	3548	19.51425275	31	50.51425275	40.27	2034.35	4.06%	4.36%	0.30%	\$ 1,248.45	\$ 785.89	\$ 2,034.35	
4001-5000	4603	25.31917838	31	56.31917838	34.45	1940.45	3.87%	4.07%	0.20%	\$ 1,068.09	\$ 872.36	\$ 1,940.45	
5001-6000	5622	30.9189249	31	61.9189249	35.18	2178.42	4.34%	4.49%	0.14%	\$ 1,090.64	\$ 1,087.78	\$ 2,178.42	
6001-7000	6528	35.90428128	31	66.90428128	24.27	1623.95	3.24%	3.30%	0.06%	\$ 752.45	\$ 871.49	\$ 1,623.95	
7001-8000	7630	41.9671149	31	72.9671149	21.82	1592.01	3.17%	3.19%	0.02%	\$ 676.36	\$ 915.65	\$ 1,592.01	
8001-9000	8610	47.3524304	31	78.3524304	17.73	1388.97	2.77%	2.75%	-0.02%	\$ 549.55	\$ 839.43	\$ 1,388.97	
9001-10000	9421	51.81685944	31	82.81685944	10.64	880.87	1.76%	1.73%	-0.02%	\$ 329.73	\$ 551.14	\$ 880.87	
10001-11000	10515	57.83328563	31	88.83328563	21.73	1930.11	3.85%	3.76%	-0.09%	\$ 673.55	\$ 1,256.56	\$ 1,930.11	
11001-12000	11504	63.27201774	31	94.27201774	14.82	1396.94	2.79%	2.70%	-0.08%	\$ 459.36	\$ 937.58	\$ 1,396.94	
12001-13000	12601	69.30758486	31	100.3075849	10.45	1048.67	2.09%	2.01%	-0.08%	\$ 324.09	\$ 724.58	\$ 1,048.67	
13001-14000	13434	73.8894968	31	104.8894968	20.45	2145.47	4.28%	4.10%	-0.18%	\$ 634.09	\$ 1,511.38	\$ 2,145.47	
14001-15000	14443	79.43713264	31	110.4371326	16.36	1807.15	3.60%	3.43%	-0.17%	\$ 507.27	\$ 1,299.88	\$ 1,807.15	
High Users	36588	201.2365541	31	232.2365541	83.64	19423.42	38.73%	34.78%	-3.95%	\$ 2,592.73	\$ 16,830.69	\$ 19,423.42	
149944				Totals	665	50148.36	100.00%	1.00%	0.00%	\$20,612.89	\$ 29,535.47	\$ 50,148.36	
Total Rev						\$ 601,780.27	Additional revenue from rate change						\$ 225,544.27
						376236							

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class	Use	Charge	Base Rate	Cost (b)	s ©	Class (d)	(e)	(f)	Equity	Rate	Volume Charge	Monthly Income		
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
					Total Rev	#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 60,178.03
			#DIV/0!
			Annual #DIV/0!

APPENDIX B

Base Rate \$ 31.00
Usage Rate per 1000 6

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class	0	0	31	31	198.75	6161.25	11.66%	14.95%	3.28%	\$ 6,161.25	\$ -	\$ 6,161.25		
Under 1000	576	3.454637664	31	34.5463766	36.00	1240.37	2.35%	2.90%	0.55%	\$ 1,116.00	\$ 124.37	\$ 1,240.37		
1001-2000	1640	9.839359545	31	40.83935955	38.09	1555.61	2.94%	3.45%	0.50%	\$ 1,180.82	\$ 374.79	\$ 1,555.61		
2001-3000	2679	16.07655756	31	47.07655756	40.27	1895.90	3.59%	4.03%	0.44%	\$ 1,248.45	\$ 647.45	\$ 1,895.90		
3001-4000	3548	21.28827573	31	52.28827573	40.27	2105.79	3.99%	4.36%	0.37%	\$ 1,248.45	\$ 857.34	\$ 2,105.79		
4001-5000	4603	27.62092187	31	58.62092187	34.45	2019.76	3.82%	4.07%	0.24%	\$ 1,068.09	\$ 951.67	\$ 2,019.76		
5001-6000	5622	33.72973625	31	64.72973625	35.18	2277.31	4.31%	4.49%	0.18%	\$ 1,090.64	\$ 1,186.67	\$ 2,277.31		
6001-7000	6528	39.16830686	31	70.16830686	24.27	1703.18	3.22%	3.30%	0.08%	\$ 752.45	\$ 950.72	\$ 1,703.18		
7001-8000	7630	45.78230716	31	76.78230716	21.82	1675.25	3.17%	3.19%	0.02%	\$ 676.36	\$ 998.89	\$ 1,675.25		
8001-9000	8610	51.6571968	31	82.6571968	17.73	1465.29	2.77%	2.75%	-0.02%	\$ 549.55	\$ 915.74	\$ 1,465.29		
9001-10000	9421	56.52748303	31	87.52748303	10.64	930.97	1.76%	1.73%	-0.03%	\$ 329.73	\$ 601.25	\$ 930.97		
10001-11000	10515	63.09085705	31	94.09085705	21.73	2044.34	3.87%	3.76%	-0.11%	\$ 673.55	\$ 1,370.79	\$ 2,044.34		
11001-12000	11504	69.02401935	31	100.0240193	14.82	1482.17	2.81%	2.70%	-0.10%	\$ 459.36	\$ 1,022.81	\$ 1,482.17		
12001-13000	12601	75.6082744	31	106.6082744	10.45	1114.54	2.11%	2.01%	-0.10%	\$ 324.09	\$ 790.45	\$ 1,114.54		
13001-14000	13434	80.60672378	31	111.6067238	20.45	2282.86	4.32%	4.10%	-0.22%	\$ 634.09	\$ 1,648.77	\$ 2,282.86		
14001-15000	14443	86.65869016	31	117.6586902	16.36	1925.32	3.64%	3.43%	-0.21%	\$ 507.27	\$ 1,418.05	\$ 1,925.32		
High Users	36588	219.5307863	31	250.5307863	83.64	20953.48	39.66%	34.78%	-4.88%	\$ 2,592.73	\$ 18,360.76	\$ 20,953.48		
149944				Totals	665	52833.40	100.00%	1.00%	0.00%	\$20,612.89	\$ 32,220.51	\$ 52,833.40		
Total Rev						\$ 634,000.78	Additional revenue from rate change						\$ 257,764.78	
							376236							

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income			
User Class															
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66	
					Total Rev	#DIV/0!								#DIV/0!	317261.94
						#DIV/0!									

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 63,400.08
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 2

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	35	35	198.75	6956.25	20.45%	14.95%	-5.51%	\$ 6,956.25	\$ -	\$ 6,956.25
Under 1000	576	1.151545888	35	36.15154589	36.00	1301.46	3.83%	2.90%	-0.93%	\$ 1,260.00	\$ 41.46	\$ 1,301.46
1001-2000	1640	3.279786515	35	38.27978652	38.09	1458.11	4.29%	3.45%	-0.84%	\$ 1,333.18	\$ 124.93	\$ 1,458.11
2001-3000	2679	5.358852521	35	40.35885252	40.27	1625.36	4.78%	4.03%	-0.75%	\$ 1,409.55	\$ 215.82	\$ 1,625.36
3001-4000	3548	7.09609191	35	42.09609191	40.27	1695.32	4.98%	4.36%	-0.63%	\$ 1,409.55	\$ 285.78	\$ 1,695.32
4001-5000	4603	9.206973957	35	44.20697396	34.45	1523.13	4.48%	4.07%	-0.41%	\$ 1,205.91	\$ 317.22	\$ 1,523.13
5001-6000	5622	11.24324542	35	46.24324542	35.18	1626.92	4.78%	4.49%	-0.30%	\$ 1,231.36	\$ 395.56	\$ 1,626.92
6001-7000	6528	13.05610229	35	48.05610229	24.27	1166.45	3.43%	3.30%	-0.13%	\$ 849.55	\$ 316.91	\$ 1,166.45
7001-8000	7630	15.26076905	35	50.26076905	21.82	1096.60	3.22%	3.19%	-0.03%	\$ 763.64	\$ 332.96	\$ 1,096.60
8001-9000	8610	17.2190656	35	52.2190656	17.73	925.70	2.72%	2.75%	0.03%	\$ 620.45	\$ 305.25	\$ 925.70
9001-10000	9421	18.84249434	35	53.84249434	10.64	572.69	1.68%	1.73%	0.05%	\$ 372.27	\$ 200.42	\$ 572.69
10001-11000	10515	21.03028568	35	56.03028568	21.73	1217.39	3.58%	3.76%	0.18%	\$ 760.45	\$ 456.93	\$ 1,217.39
11001-12000	11504	23.00800645	35	58.00800645	14.82	859.57	2.53%	2.70%	0.17%	\$ 518.64	\$ 340.94	\$ 859.57
12001-13000	12601	25.20275813	35	60.20275813	10.45	629.39	1.85%	2.01%	0.16%	\$ 365.91	\$ 263.48	\$ 629.39
13001-14000	13434	26.86890793	35	61.86890793	20.45	1265.50	3.72%	4.10%	0.38%	\$ 715.91	\$ 549.59	\$ 1,265.50
14001-15000	14443	28.88623005	35	63.88623005	16.36	1045.41	3.07%	3.43%	0.36%	\$ 572.73	\$ 472.68	\$ 1,045.41
High Users	36588	73.17692876	35	108.1769288	83.64	9047.52	26.60%	34.78%	8.18%	\$ 2,927.27	\$ 6,120.25	\$ 9,047.52
149944					Totals	665	34012.78	100.00%	1.00%	\$23,272.61	\$ 10,740.17	\$ 34,012.78

Total Rev \$ 408,153.41

Additional revenue from rate change \$ 31,917.41

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
#DIV/0!					Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Total Rev #DIV/0!

#DIV/0! 36179.66
#DIV/0! 317261.94

Residential 665 Residential Sewer Base
Commercial 0 Commercial Sewer Base
Total 665 Residential Usage %
Commercial Usage %

Revenue 54
0
\$40,815.34
#DIV/0!
Annual #DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 2.5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s @	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	35	35	198.75	6956.25	18.96%	14.95%	-4.01%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	1.43943236	35	36.43943236	36.00	1311.82	3.57%	2.90%	-0.67%	\$ 1,260.00	\$ 51.82	\$ 1,311.82	
1001-2000	1640	4.099733144	35	39.09973314	38.09	1489.34	4.06%	3.45%	-0.61%	\$ 1,333.18	\$ 156.16	\$ 1,489.34	
2001-3000	2679	6.698565651	35	41.69856565	40.27	1679.31	4.58%	4.03%	-0.54%	\$ 1,409.55	\$ 269.77	\$ 1,679.31	
3001-4000	3548	8.870114887	35	43.87011489	40.27	1766.77	4.81%	4.36%	-0.46%	\$ 1,409.55	\$ 357.22	\$ 1,766.77	
4001-5000	4603	11.50871745	35	46.50871745	34.45	1602.44	4.37%	4.07%	-0.30%	\$ 1,205.91	\$ 396.53	\$ 1,602.44	
5001-6000	5622	14.05405677	35	49.05405677	35.18	1725.81	4.70%	4.49%	-0.22%	\$ 1,231.36	\$ 494.45	\$ 1,725.81	
6001-7000	6528	16.32012786	35	51.32012786	24.27	1245.68	3.39%	3.30%	-0.09%	\$ 849.55	\$ 396.13	\$ 1,245.68	
7001-8000	7630	19.07596132	35	54.07596132	21.82	1179.84	3.22%	3.19%	-0.02%	\$ 763.64	\$ 416.20	\$ 1,179.84	
8001-9000	8610	21.523832	35	56.523832	17.73	1002.01	2.73%	2.75%	0.02%	\$ 620.45	\$ 381.56	\$ 1,002.01	
9001-10000	9421	23.55311793	35	58.55311793	10.64	622.79	1.70%	1.73%	0.04%	\$ 372.27	\$ 250.52	\$ 622.79	
10001-11000	10515	26.2878571	35	61.2878571	21.73	1331.62	3.63%	3.76%	0.13%	\$ 760.45	\$ 571.16	\$ 1,331.62	
11001-12000	11504	28.76000806	35	63.76000806	14.82	944.81	2.57%	2.70%	0.13%	\$ 518.64	\$ 426.17	\$ 944.81	
12001-13000	12601	31.50344767	35	66.50344767	10.45	695.26	1.89%	2.01%	0.12%	\$ 365.91	\$ 329.35	\$ 695.26	
13001-14000	13434	33.58613491	35	68.58613491	20.45	1402.90	3.82%	4.10%	0.27%	\$ 715.91	\$ 686.99	\$ 1,402.90	
14001-15000	14443	36.10778757	35	71.10778757	16.36	1163.58	3.17%	3.43%	0.26%	\$ 572.73	\$ 590.85	\$ 1,163.58	
High Users	36588	91.47116095	35	126.471161	83.64	10577.59	28.82%	34.78%	5.96%	\$ 2,927.27	\$ 7,650.32	\$ 10,577.59	
149944				Totals	665	36697.83	100.00%	1.00%	0.00%	\$23,272.61	\$ 13,425.21	\$ 36,697.83	
Total Rev						\$ 440,373.92	Additional revenue from rate change						\$ 64,137.92
						376236							

Base Rate \$ 31.00
Usage Rate per 1000 \$ 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class														
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
Total Rev						#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 44,037.39
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 3

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	35	35	198.75	6956.25	17.66%	14.95%	-2.72%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	1.727318832	35	36.72731883	36.00	1322.18	3.36%	2.90%	-0.46%	\$ 1,260.00	\$ 62.18	\$ 1,322.18	
1001-2000	1640	4.919679773	35	39.91967977	38.09	1520.58	3.86%	3.45%	-0.42%	\$ 1,333.18	\$ 187.40	\$ 1,520.58	
2001-3000	2679	8.038278782	35	43.03827878	40.27	1733.27	4.40%	4.03%	-0.37%	\$ 1,409.55	\$ 323.72	\$ 1,733.27	
3001-4000	3548	10.64413786	35	45.64413786	40.27	1838.21	4.67%	4.36%	-0.31%	\$ 1,409.55	\$ 428.67	\$ 1,838.21	
4001-5000	4603	13.81046094	35	48.81046094	34.45	1681.74	4.27%	4.07%	-0.20%	\$ 1,205.91	\$ 475.83	\$ 1,681.74	
5001-6000	5622	16.86486813	35	51.86486813	35.18	1824.70	4.63%	4.49%	-0.15%	\$ 1,231.36	\$ 593.34	\$ 1,824.70	
6001-7000	6528	19.58415343	35	54.58415343	24.27	1324.91	3.36%	3.30%	-0.06%	\$ 849.55	\$ 475.36	\$ 1,324.91	
7001-8000	7630	22.89115358	35	57.89115358	21.82	1263.08	3.21%	3.19%	-0.02%	\$ 763.64	\$ 499.44	\$ 1,263.08	
8001-9000	8610	25.8285984	35	60.8285984	17.73	1078.33	2.74%	2.75%	0.02%	\$ 620.45	\$ 457.87	\$ 1,078.33	
9001-10000	9421	28.26374152	35	63.26374152	10.64	672.90	1.71%	1.73%	0.02%	\$ 372.27	\$ 300.62	\$ 672.90	
10001-11000	10515	31.54542852	35	66.54542852	21.73	1445.85	3.67%	3.76%	0.09%	\$ 760.45	\$ 685.40	\$ 1,445.85	
11001-12000	11504	34.51200967	35	69.51200967	14.82	1030.04	2.62%	2.70%	0.09%	\$ 518.64	\$ 511.41	\$ 1,030.04	
12001-13000	12601	37.8041372	35	72.8041372	10.45	761.13	1.93%	2.01%	0.08%	\$ 365.91	\$ 395.23	\$ 761.13	
13001-14000	13434	40.30336189	35	75.30336189	20.45	1540.30	3.91%	4.10%	0.19%	\$ 715.91	\$ 824.39	\$ 1,540.30	
14001-15000	14443	43.32934508	35	78.32934508	16.36	1281.75	3.25%	3.43%	0.18%	\$ 572.73	\$ 709.03	\$ 1,281.75	
High Users	36588	109.7653931	35	144.7653931	83.64	12107.65	30.74%	34.78%	4.04%	\$ 2,927.27	\$ 9,180.38	\$ 12,107.65	
149944				Totals	665	39382.87	100.00%	1.00%	0.00%	\$23,272.61	\$ 16,110.26	\$ 39,382.87	
Total Rev						\$ 472,594.43	Additional revenue from rate change						\$ 96,358.43
						376236							

376236

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class														
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
					Total Rev	#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 47,259.44
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 3.5

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	35	35	198.75	6956.25	16.54%	14.95%	-1.59%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	2.015205304	35	37.0152053	36.00	1332.55	3.17%	2.90%	-0.27%	\$ 1,260.00	\$ 72.55	\$ 1,332.55	
1001-2000	1640	5.739626401	35	40.7396264	38.09	1551.81	3.69%	3.45%	-0.24%	\$ 1,333.18	\$ 218.63	\$ 1,551.81	
2001-3000	2679	9.377991912	35	44.37799191	40.27	1787.22	4.25%	4.03%	-0.22%	\$ 1,409.55	\$ 377.68	\$ 1,787.22	
3001-4000	3548	12.41816084	35	47.41816084	40.27	1909.66	4.54%	4.36%	-0.18%	\$ 1,409.55	\$ 500.11	\$ 1,909.66	
4001-5000	4603	16.11220443	35	51.11220443	34.45	1761.05	4.19%	4.07%	-0.12%	\$ 1,205.91	\$ 555.14	\$ 1,761.05	
5001-6000	5622	19.67567948	35	54.67567948	35.18	1923.59	4.57%	4.49%	-0.09%	\$ 1,231.36	\$ 692.23	\$ 1,923.59	
6001-7000	6528	22.848179	35	57.848179	24.27	1404.13	3.34%	3.30%	-0.04%	\$ 849.55	\$ 554.59	\$ 1,404.13	
7001-8000	7630	26.70634584	35	61.70634584	21.82	1346.32	3.20%	3.19%	-0.01%	\$ 763.64	\$ 582.68	\$ 1,346.32	
8001-9000	8610	30.1333648	35	65.1333648	17.73	1154.64	2.74%	2.75%	0.01%	\$ 620.45	\$ 534.18	\$ 1,154.64	
9001-10000	9421	32.9743651	35	67.9743651	10.64	723.00	1.72%	1.73%	0.01%	\$ 372.27	\$ 350.73	\$ 723.00	
10001-11000	10515	36.80299994	35	71.80299994	21.73	1560.08	3.71%	3.76%	0.05%	\$ 760.45	\$ 799.63	\$ 1,560.08	
11001-12000	11504	40.26401129	35	75.26401129	14.82	1115.28	2.65%	2.70%	0.05%	\$ 518.64	\$ 596.64	\$ 1,115.28	
12001-13000	12601	44.10482673	35	79.10482673	10.45	827.01	1.97%	2.01%	0.05%	\$ 365.91	\$ 461.10	\$ 827.01	
13001-14000	13434	47.02058887	35	82.02058887	20.45	1677.69	3.99%	4.10%	0.11%	\$ 715.91	\$ 961.78	\$ 1,677.69	
14001-15000	14443	50.55090259	35	85.55090259	16.36	1399.92	3.33%	3.43%	0.10%	\$ 572.73	\$ 827.20	\$ 1,399.92	
High Users	36588	128.0596253	35	163.0596253	83.64	13637.71	32.42%	34.78%	2.36%	\$ 2,927.27	\$ 10,710.44	\$ 13,637.71	
149944				Totals	665	42067.91	100.00%	1.00%	0.00%	\$23,272.61	\$ 18,795.30	\$ 42,067.91	
Total Rev						\$ 504,814.95	Additional revenue from rate change						\$ 128,578.95
						376236							

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class														
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
Total Rev						#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 50,481.49
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 4

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s @	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	0	0	35	35	198.75	6956.25	15.54%	14.95%	-0.60%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	2.303091776	35	37.30309178	36.00	1342.91	3.00%	2.90%	-0.10%	\$ 1,260.00	\$ 82.91	\$ 1,342.91	
1001-2000	1640	6.55957303	35	41.55957303	38.09	1583.04	3.54%	3.45%	-0.09%	\$ 1,333.18	\$ 249.86	\$ 1,583.04	
2001-3000	2679	10.71770504	35	45.71770504	40.27	1841.18	4.11%	4.03%	-0.08%	\$ 1,409.55	\$ 431.63	\$ 1,841.18	
3001-4000	3548	14.19218382	35	49.19218382	40.27	1981.10	4.43%	4.36%	-0.07%	\$ 1,409.55	\$ 571.56	\$ 1,981.10	
4001-5000	4603	18.41394791	35	53.41394791	34.45	1840.35	4.11%	4.07%	-0.04%	\$ 1,205.91	\$ 634.44	\$ 1,840.35	
5001-6000	5622	22.48649084	35	57.48649084	35.18	2022.48	4.52%	4.49%	-0.03%	\$ 1,231.36	\$ 791.12	\$ 2,022.48	
6001-7000	6528	26.11220457	35	61.11220457	24.27	1483.36	3.31%	3.30%	-0.01%	\$ 849.55	\$ 633.81	\$ 1,483.36	
7001-8000	7630	30.52153811	35	65.52153811	21.82	1429.56	3.19%	3.19%	0.00%	\$ 763.64	\$ 665.92	\$ 1,429.56	
8001-9000	8610	34.4381312	35	69.4381312	17.73	1230.95	2.75%	2.75%	0.00%	\$ 620.45	\$ 610.49	\$ 1,230.95	
9001-10000	9421	37.68498869	35	72.68498869	10.64	773.10	1.73%	1.73%	0.01%	\$ 372.27	\$ 400.83	\$ 773.10	
10001-11000	10515	42.06057136	35	77.06057136	21.73	1674.32	3.74%	3.76%	0.02%	\$ 760.45	\$ 913.86	\$ 1,674.32	
11001-12000	11504	46.0160129	35	81.0160129	14.82	1200.51	2.68%	2.70%	0.02%	\$ 518.64	\$ 681.87	\$ 1,200.51	
12001-13000	12601	50.40551626	35	85.40551626	10.45	892.88	2.00%	2.01%	0.02%	\$ 365.91	\$ 526.97	\$ 892.88	
13001-14000	13434	53.73781586	35	88.73781586	20.45	1815.09	4.06%	4.10%	0.04%	\$ 715.91	\$ 1,099.18	\$ 1,815.09	
14001-15000	14443	57.77246011	35	92.77246011	16.36	1518.09	3.39%	3.43%	0.04%	\$ 572.73	\$ 945.37	\$ 1,518.09	
High Users	36588	146.3538575	35	181.3538575	83.64	15167.78	33.89%	34.78%	0.89%	\$ 2,927.27	\$ 12,240.50	\$ 15,167.78	
149944				Totals	665	44752.95	100.00%	1.00%	0.00%	\$23,272.61	\$ 21,480.34	\$ 44,752.95	
Total Rev						\$ 537,035.46	Additional revenue from rate change						\$ 160,799.46
						376236							

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)		- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income			
User Class	Use															
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -			
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!			
#DIV/0!	#DIV/0!			Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66	
					Total Rev	#DIV/0!									#DIV/0!	317261.94
#DIV/0!																

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 53,703.55
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 4.5

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	35	35	198.75	6956.25	14.66%	14.95%	0.28%	\$ 6,956.25	\$ -	\$ 6,956.25
Under 1000	576	2.590978248	35	37.59097825	36.00	1353.28	2.85%	2.90%	0.05%	\$ 1,260.00	\$ 93.28	\$ 1,353.28
1001-2000	1640	7.379519659	35	42.37951966	38.09	1614.27	3.40%	3.45%	0.04%	\$ 1,333.18	\$ 281.09	\$ 1,614.27
2001-3000	2679	12.05741817	35	47.05741817	40.27	1895.13	3.99%	4.03%	0.04%	\$ 1,409.55	\$ 485.59	\$ 1,895.13
3001-4000	3548	15.9662068	35	50.9662068	40.27	2052.55	4.33%	4.36%	0.03%	\$ 1,409.55	\$ 643.00	\$ 2,052.55
4001-5000	4603	20.7156914	35	55.7156914	34.45	1919.66	4.05%	4.07%	0.02%	\$ 1,205.91	\$ 713.75	\$ 1,919.66
5001-6000	5622	25.29730219	35	60.29730219	35.18	2121.37	4.47%	4.49%	0.02%	\$ 1,231.36	\$ 890.01	\$ 2,121.37
6001-7000	6528	29.37623014	35	64.37623014	24.27	1562.59	3.29%	3.30%	0.01%	\$ 849.55	\$ 713.04	\$ 1,562.59
7001-8000	7630	34.33673037	35	69.33673037	21.82	1512.80	3.19%	3.19%	0.00%	\$ 763.64	\$ 749.17	\$ 1,512.80
8001-9000	8610	38.7428976	35	73.7428976	17.73	1307.26	2.76%	2.75%	0.00%	\$ 620.45	\$ 686.81	\$ 1,307.26
9001-10000	9421	42.39561227	35	77.39561227	10.64	823.21	1.74%	1.73%	0.00%	\$ 372.27	\$ 450.94	\$ 823.21
10001-11000	10515	47.31814279	35	82.31814279	21.73	1788.55	3.77%	3.76%	-0.01%	\$ 760.45	\$ 1,028.09	\$ 1,788.55
11001-12000	11504	51.76801451	35	86.76801451	14.82	1285.74	2.71%	2.70%	-0.01%	\$ 518.64	\$ 767.11	\$ 1,285.74
12001-13000	12601	56.7062058	35	91.7062058	10.45	958.75	2.02%	2.01%	-0.01%	\$ 365.91	\$ 592.84	\$ 958.75
13001-14000	13434	60.45504284	35	95.45504284	20.45	1952.49	4.12%	4.10%	-0.02%	\$ 715.91	\$ 1,236.58	\$ 1,952.49
14001-15000	14443	64.99401762	35	99.99401762	16.36	1636.27	3.45%	3.43%	-0.02%	\$ 572.73	\$ 1,063.54	\$ 1,636.27
High Users	36588	164.6480897	35	199.6480897	83.64	16697.84	35.20%	34.78%	-0.42%	\$ 2,927.27	\$ 13,770.57	\$ 16,697.84
149944					Totals	665	47438.00	100.00%	1.00%	\$23,272.61	\$ 24,165.38	\$ 47,438.00

Total Rev \$ 569,255.97

Additional revenue from rate change \$ 193,019.97

376236

Base Rate \$ 31.00
Usage Rate per 1000 3.50

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
#DIV/0!					Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Total Rev #DIV/0!

#DIV/0! 36179.66
#DIV/0! 317261.94

#DIV/0!

Residential 665 Residential Sewer Base
Commercial 0 Commercial Sewer Base
Total 665 Residential Usage %
Commercial Usage %

Revenue

54

0

\$56,925.60

#DIV/0!

Annual #DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 5

	Average Water Use	Volume Charge	Base Rate		Average # of Customer s	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	Use	Charge	Base Rate	Cost (b)	s @	Class (d)	(e)	Revenue (f)					
0	0	0	35	35	198.75	6956.25	13.88%	14.95%	1.07%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	2.87886472	35	37.87886472	36.00	1363.64	2.72%	2.90%	0.18%	\$ 1,260.00	\$ 103.64	\$ 1,363.64	
1001-2000	1640	8.199466288	35	43.19946629	38.09	1645.51	3.28%	3.45%	0.16%	\$ 1,333.18	\$ 312.33	\$ 1,645.51	
2001-3000	2679	13.3971313	35	48.3971313	40.27	1949.08	3.89%	4.03%	0.14%	\$ 1,409.55	\$ 539.54	\$ 1,949.08	
3001-4000	3548	17.74022977	35	52.74022977	40.27	2123.99	4.24%	4.36%	0.12%	\$ 1,409.55	\$ 714.45	\$ 2,123.99	
4001-5000	4603	23.01743489	35	58.01743489	34.45	1998.96	3.99%	4.07%	0.08%	\$ 1,205.91	\$ 793.06	\$ 1,998.96	
5001-6000	5622	28.10811354	35	63.10811354	35.18	2220.26	4.43%	4.49%	0.06%	\$ 1,231.36	\$ 988.89	\$ 2,220.26	
6001-7000	6528	32.64025571	35	67.64025571	24.27	1641.81	3.28%	3.30%	0.02%	\$ 849.55	\$ 792.27	\$ 1,641.81	
7001-8000	7630	38.15192264	35	73.15192264	21.82	1596.04	3.18%	3.19%	0.01%	\$ 763.64	\$ 832.41	\$ 1,596.04	
8001-9000	8610	43.047664	35	78.047664	17.73	1383.57	2.76%	2.75%	-0.01%	\$ 620.45	\$ 763.12	\$ 1,383.57	
9001-10000	9421	47.10623586	35	82.10623586	10.64	873.31	1.74%	1.73%	-0.01%	\$ 372.27	\$ 501.04	\$ 873.31	
10001-11000	10515	52.57571421	35	87.57571421	21.73	1902.78	3.80%	3.76%	-0.04%	\$ 760.45	\$ 1,142.33	\$ 1,902.78	
11001-12000	11504	57.52001612	35	92.52001612	14.82	1370.98	2.74%	2.70%	-0.03%	\$ 518.64	\$ 852.34	\$ 1,370.98	
12001-13000	12601	63.00689533	35	98.00689533	10.45	1024.62	2.04%	2.01%	-0.03%	\$ 365.91	\$ 658.71	\$ 1,024.62	
13001-14000	13434	67.17226982	35	102.1722698	20.45	2089.89	4.17%	4.10%	-0.07%	\$ 715.91	\$ 1,373.98	\$ 2,089.89	
14001-15000	14443	72.21557513	35	107.2155751	16.36	1754.44	3.50%	3.43%	-0.07%	\$ 572.73	\$ 1,181.71	\$ 1,754.44	
High Users	36588	182.9423219	35	217.9423219	83.64	18227.90	36.37%	34.78%	-1.58%	\$ 2,927.27	\$ 15,300.63	\$ 18,227.90	
149944				Totals	665	50123.04	100.00%	1.00%	0.00%	\$23,272.61	\$ 26,850.43	\$ 50,123.04	
						Total Rev	\$ 601,476.48	Additional revenue from rate change					\$ 225,240.48
						376236							

Base Rate \$ 31.00
Usage Rate per 1000 3.50

	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
User Class														
0		0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!				Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!	#DIV/0!	36179.66
Total Rev						#DIV/0!							#DIV/0!	317261.94
						#DIV/0!								

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 60,147.65
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 5.5

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	35	35	198.75	6956.25	13.17%	14.95%	1.77%	\$ 6,956.25	\$ -	\$ 6,956.25
Under 1000	576	3.166751192	35	38.16675119	36.00	1374.00	2.60%	2.90%	0.30%	\$ 1,260.00	\$ 114.00	\$ 1,374.00
1001-2000	1640	9.019412916	35	44.01941292	38.09	1676.74	3.18%	3.45%	0.27%	\$ 1,333.18	\$ 343.56	\$ 1,676.74
2001-3000	2679	14.73684443	35	49.73684443	40.27	2003.04	3.79%	4.03%	0.24%	\$ 1,409.55	\$ 593.49	\$ 2,003.04
3001-4000	3548	19.51425275	35	54.51425275	40.27	2195.44	4.16%	4.36%	0.20%	\$ 1,409.55	\$ 785.89	\$ 2,195.44
4001-5000	4603	25.31917838	35	60.31917838	34.45	2078.27	3.94%	4.07%	0.13%	\$ 1,205.91	\$ 872.36	\$ 2,078.27
5001-6000	5622	30.9189249	35	65.9189249	35.18	2319.15	4.39%	4.49%	0.10%	\$ 1,231.36	\$ 1,087.78	\$ 2,319.15
6001-7000	6528	35.90428128	35	70.90428128	24.27	1721.04	3.26%	3.30%	0.04%	\$ 849.55	\$ 871.49	\$ 1,721.04
7001-8000	7630	41.9671149	35	76.9671149	21.82	1679.28	3.18%	3.19%	0.01%	\$ 763.64	\$ 915.65	\$ 1,679.28
8001-9000	8610	47.3524304	35	82.3524304	17.73	1459.88	2.76%	2.75%	-0.01%	\$ 620.45	\$ 839.43	\$ 1,459.88
9001-10000	9421	51.81685944	35	86.81685944	10.64	923.42	1.75%	1.73%	-0.02%	\$ 372.27	\$ 551.14	\$ 923.42
10001-11000	10515	57.83328563	35	92.83328563	21.73	2017.01	3.82%	3.76%	-0.06%	\$ 760.45	\$ 1,256.56	\$ 2,017.01
11001-12000	11504	63.27201774	35	98.27201774	14.82	1456.21	2.76%	2.70%	-0.06%	\$ 518.64	\$ 937.58	\$ 1,456.21
12001-13000	12601	69.30758486	35	104.3075849	10.45	1090.49	2.07%	2.01%	-0.05%	\$ 365.91	\$ 724.58	\$ 1,090.49
13001-14000	13434	73.8894968	35	108.8894968	20.45	2227.29	4.22%	4.10%	-0.12%	\$ 715.91	\$ 1,511.38	\$ 2,227.29
14001-15000	14443	79.43713264	35	114.4371326	16.36	1872.61	3.55%	3.43%	-0.12%	\$ 572.73	\$ 1,299.88	\$ 1,872.61
High Users	36588	201.2365541	35	236.2365541	83.64	19757.97	37.41%	34.78%	-2.63%	\$ 2,927.27	\$ 16,830.69	\$ 19,757.97
149944					Totals	665	52808.08	100.00%	1.00%	\$23,272.61	\$ 29,535.47	\$ 52,808.08

Total Rev \$ 633,696.99

Additional revenue from rate change \$ 257,460.99

Base Rate \$ 31.00
Usage Rate per 1000 3.50

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customers	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!
#DIV/0!					Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!

Total Rev #DIV/0!

#DIV/0! 36179.66
#DIV/0! 317261.94

Residential	665	Residential Sewer Base	54
Commercial	0	Commercial Sewer Base	0
Total	665	Residential Usage %	\$ 63,369.70
		Commercial Usage %	#DIV/0!
		Annual	#DIV/0!

Revenue

APPENDIX B

Base Rate \$ 35.00
Usage Rate per 1000 6

	Average Water Use	Volume Charge	Base Rate		Average # of Customer	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income	
User Class	Use	Charge	Rate	Cost (b)	s @								
0	0	0	35	35	198.75	6956.25	12.54%	14.95%	2.41%	\$ 6,956.25	\$ -	\$ 6,956.25	
Under 1000	576	3.454637664	35	38.45463766	36.00	1384.37	2.49%	2.90%	0.41%	\$ 1,260.00	\$ 124.37	\$ 1,384.37	
1001-2000	1640	9.839359545	35	44.83935955	38.09	1707.97	3.08%	3.45%	0.37%	\$ 1,333.18	\$ 374.79	\$ 1,707.97	
2001-3000	2679	16.07655756	35	51.07655756	40.27	2056.99	3.71%	4.03%	0.33%	\$ 1,409.55	\$ 647.45	\$ 2,056.99	
3001-4000	3548	21.28827573	35	56.28827573	40.27	2266.88	4.08%	4.36%	0.27%	\$ 1,409.55	\$ 857.34	\$ 2,266.88	
4001-5000	4603	27.62092187	35	62.62092187	34.45	2157.58	3.89%	4.07%	0.18%	\$ 1,205.91	\$ 951.67	\$ 2,157.58	
5001-6000	5622	33.72973625	35	68.72973625	35.18	2418.04	4.36%	4.49%	0.13%	\$ 1,231.36	\$ 1,186.67	\$ 2,418.04	
6001-7000	6528	39.16830686	35	74.16830686	24.27	1800.27	3.24%	3.30%	0.06%	\$ 849.55	\$ 950.72	\$ 1,800.27	
7001-8000	7630	45.78230716	35	80.78230716	21.82	1762.52	3.18%	3.19%	0.01%	\$ 763.64	\$ 998.89	\$ 1,762.52	
8001-9000	8610	51.6571968	35	86.6571968	17.73	1536.20	2.77%	2.75%	-0.01%	\$ 620.45	\$ 915.74	\$ 1,536.20	
9001-10000	9421	56.52748303	35	91.52748303	10.64	973.52	1.75%	1.73%	-0.02%	\$ 372.27	\$ 601.25	\$ 973.52	
10001-11000	10515	63.09085705	35	98.09085705	21.73	2131.25	3.84%	3.76%	-0.08%	\$ 760.45	\$ 1,370.79	\$ 2,131.25	
11001-12000	11504	69.02401935	35	104.0240193	14.82	1541.45	2.78%	2.70%	-0.08%	\$ 518.64	\$ 1,022.81	\$ 1,541.45	
12001-13000	12601	75.6082744	35	110.6082744	10.45	1156.36	2.08%	2.01%	-0.07%	\$ 365.91	\$ 790.45	\$ 1,156.36	
13001-14000	13434	80.60672378	35	115.6067238	20.45	2364.68	4.26%	4.10%	-0.16%	\$ 715.91	\$ 1,648.77	\$ 2,364.68	
14001-15000	14443	86.65869016	35	121.6586902	16.36	1990.78	3.59%	3.43%	-0.16%	\$ 572.73	\$ 1,418.05	\$ 1,990.78	
High Users	36588	219.5307863	35	254.5307863	83.64	21288.03	38.36%	34.78%	-3.58%	\$ 2,927.27	\$ 18,360.76	\$ 21,288.03	
149944				Totals	665	55493.13	100.00%	1.00%	0.00%	\$23,272.61	\$ 32,220.51	\$ 55,493.13	
Total Rev						\$ 665,917.50	Additional revenue from rate change						\$ 289,681.50
						376236							

376236

Base Rate \$ 31.00
Usage Rate per 1000 3.50

User Class	Average Water Use	Volume Charge	Base Rate	Cost (b)	Average # of Customer s ©	Total Average Revenue By Use Class (d)	% of Total Average Revenue (e)	Target Revenue (f)	- 2 to +2 Equity	Projected Base Rate	Projected Volume Charge	Projected Monthly Income		
0	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
Under 1000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
1001-2000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
2001-3000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
3001-4000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
4001-5000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
5001-6000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
6001-7000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
7001-8000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
8001-9000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
9001-10000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
10001-11000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
11001-12000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
12001-13000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
13001-14000	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
14001-15000	0	0	31	31	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	\$ -	\$ -		
High Users	#DIV/0!	#DIV/0!	31	#DIV/0!	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
#DIV/0!	#DIV/0!	#DIV/0!	31	Totals	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	\$ -	#DIV/0!	#DIV/0!		
Total Rev						#DIV/0!	#DIV/0!						#DIV/0!	36179.66
													#DIV/0!	317261.94
							#DIV/0!							

Residential 665 Residential Sewer Base
Commercial 0 Commercial Sewer Base
Total 665 Residential Usage %
Commercial Usage %

Revenue

54

0

\$ 66,591.75

#DIV/0!

Annual #DIV/0!

Appendix C

METER SIZE	AVERAGE RATES	ALPINE VS AVG RATES/Meter size	Meters sizes and rates									
			3/4	1	1 1/2	2	3	4	Meter size			
0.75	\$ 31.71	\$ (0.71)										
1	\$ 41.99	\$ (10.99)										
1.5	\$ 69.03	\$ (38.03)	488	140	1	21		1	651	Total Meters		
2	\$ 112.00	\$ (81.00)	\$ 31.00	\$ 43.00	\$ 66.00	\$ 111.00	\$ -	\$ 341.00				
3	\$ 252.81	\$ (221.81)	\$ 15,128.00	\$ 6,020.00	\$ 66.00	\$ 2,331.00	\$ -	\$ 341.00	\$ 23,886.00			
4	\$ 361.87	\$ (330.87)								\$ 20,181.00		
5	\$ 344.73	\$ (313.73)								\$ 3,705.00		
6	\$ 785.50	\$ (754.50)	\$ 1,680.00	\$ 35.00	\$ 1,680.00	\$ 310.00	\$ 3,705.00	Increased rate revenue per month				
7	\$ 645.00	\$ (614.00)								\$ 44,460.00	Increased rate revenue per year	
8	\$ 1,143.08	\$ (1,112.08)										