

SEWER RATE CALCULATION REPORT

APRIL 2023'



Prepared By:

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YOUR RATE EVALUATION SHOULD BE REVIEWED BY A CERTIFIED FINANCIAL PLANNER AND YOUR ATTORNEY

BACKGROUND / STARTING INFORMATION	
Name of Community :	Grand Ledge Sewer
PHYSICAL ADDRESS	310 Greenwood St.
MAILING?	
ZIP CODE	48837
OFFICE PHONE NUMBER	517-627-2149
Can information in this report be used and submitted for USDA Rural Development (Similar Systems Survey)	Yes
BUDGET FOR FISCAL YEARS <u>STARTING</u>	2023
PRIMARY WATER SOURCE	WELLS
PRIMARY TREATMENT TYPE	MEDIUM TREATMENT FILTRATION
PRIMARY DISTRIBUTION TYPE	BOOSTER PUMPS/PRESSURE REDUCING
WATER SYSTEM IMPROVEMENTS COMPLETED OVER LAST TEN YEARS	Mains, Wells, Tower Restoration
PRIMARY WASTEWATER COLLECTION TYPE	Sanitary Sewer
PRIMARY WASTEWATER TREATMENT TYPE	WWTP
MAJOR WASTEWATER SYSTEM IMPROVEMENTS COMPLETED LAST 10 YRS	
MAJOR SYSTEM IMPROVEMENT PLANS FOR NEXT 10 YRS	New Plant
<u>Current Rate Structure</u>	
Are bills based on 1,000 gallons units or 100 cubic feet units?	1,000
Number of Customer Invoices per Year	12
What are the dates of the Fiscal Year	7/1-6/30
List the names of the different Entities Served OR RATE CLASSES - Originating Entity - RATE CLASS 1	Grand Ledge Sewer
2nd Entity	Oneida Twp Sewer
3rd Entity	
4th Entity	
5th Entity	
6th Entity	

Grand Ledge Sewer				
CURRENT RATE CHARGES & NUMBER OF CUSTOMERS				
Customers Are Invoiced MONTHLY PER				
Grand Ledge Sewer				
TYPE OF WATER UNITS	1,000 GALLONS			
COST PER 1,000 GAL.	\$9.08			
INVOICES PER YEAR	12			
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	\$15.21	2824	12	\$515,436
1	\$38.03	41	12	\$18,711
1 1/2	\$76.05	33	12	\$30,116
2	\$121.69	43	12	\$62,792
3	\$228.16	6	12	\$16,428
4	\$380.27	3	12	\$13,690
6	\$760.54	1	12	\$9,126
8	\$1,521.00		12	\$0
TOTALS		2951		\$666,299

Oneida Twp Sewer							
TYPE OF WATER UNITS	1,000 GALLONS		Ratio Entity # 2 vs. 1				
COST PER WATER UNIT	\$9.08		1.00				
INVOICES PER YEAR	12						
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 2 vs. 1	Ratio Entity # 2 vs. 1	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME	
3/4	\$15.21	1.00	1.00	413	12	\$75,381	
1	\$38.03	1.00		16	12	\$7,302	
1 1/2	\$76.05	1.00			12	\$0	
2	\$121.69	1.00		2	12	\$2,921	
3	\$228.16	1.00		2	12	\$5,476	
4	\$380.27	1.00			12	\$0	
6	\$760.54	1.00			12	\$0	
8	\$1,521.00	1.00			12	\$0	
				433		\$91,079	

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

2023 YEAR 1	CURRENT CHARGES RATE CLASS 1		RATE CLASS 2					
	Grand Ledge Sewer		Oneida Twp Sewer					
METER SIZE IN INCHES	NUMBER OF METERS / REU'S	INVOICE FREQUENCY	NUMBER OF METERS / REU'S	INVOICE FREQUENCY	TOTAL CUSTOMERS ALL ENTITIES	SELECTED METER EQUIVALENT	CALCULATED METER EQUIVALENT USED	ANNUAL METER EQUIVALENTS
3/4	2824	12	413	12	3237	1.00	1.00	38,844
1	41	12	16	12	57	2.50	2.50	1,710
1 1/2	33	12	0	12	33	5.00	5.00	1,980
2	43	12	2	12	45	8.00	8.00	4,320
3	6	12	2	12	8	15.00	15.00	1,440
4	3	12	0	12	3	25.00	25.00	900
6	1	12	0	12	1	50.00	50.00	600
8	0	12	0	12	0	80.00	80.00	
TOTAL	2951		433		3384			
ANNUAL METER EQUIVALENTS USED FOR RATE CALCULATION								49,795

Grand Ledge Sewer		UNITS OF WATER INVOICED TO CUSTOMERS					FOR THIS EVALUATION WE WILL USE THE					MINIMUM YEAR	
		USAGE REPORTED IN GALLONS											
		USAGE REPORTED IN FISCAL YEARS											
		2018	2019	2020	2021	2022	REVENUE	AVERAGE	MAX. YEAR	MIN. YEAR	PERCENT DIFFERENCE FROM MAX. TO MIN. YEAR	ANTICIPATED PERCENT INCREASE NEXT YEAR	UNITS USED IN RATE EVALUATION
Grand Ledge Sewer		190,910,300	205,049,700	188,092,700	186,669,500	186,773,000	\$1,695,899	191,499,040	205,049,700	186,669,500	9%	0.4%	185,978,823
TOTALS		190,910,300	205,049,700	188,092,700	186,669,500	186,773,000	\$1,695,899	191,499,040	205,049,700	186,669,500	9%		185,978,823
WAS AN ELECTRONIC COPY OF THE ORIGINAL KEPT ?							GALLONS / VOLUME USED FOR EVALUATION					185,978,823	

CURRENT REVENUE BASED ON CURRENT RATE CHARGES

Grand Ledge Sewer		RATE CLASS 2	RATE CLASS 3	RATE CLASS 4	RATE CLASS 5	RATE CLASS 6	2023
	Grand Ledge Sewer	Oneida Twp Sewer	\$0.00	\$0.00	\$0.00	\$0.00	REVENUE
	New Cost per Unit of Water Sold						NEW RATES
\$ PER 1,000 GAL.	\$9.080	\$9.080	\$0.000	\$0.000	\$0.000	\$0.000	
UNITS Sold	186,773	0	0	0	0	0	186,773
Income	\$1,695,899	\$0	\$0	\$0	\$0	\$0	\$1,695,899
METER SIZE NEW BASE RATE PER MONTH							
3/4	\$15.210	\$15.210	\$0.000	\$0.000	\$0.000	\$0.000	
NO. CUSTOMERS	2,824	413	0	0	0	0	
INCOME	\$515,436.48	\$75,380.76	\$0.00	\$0.00	\$0.00	\$0.00	\$590,817
1	\$38.03	\$38.03	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	41	16	0	0	0	0	
INCOME	\$18,710.76	\$7,301.76	\$0.00	\$0.00	\$0.00	\$0.00	\$26,013
1 1/2	\$76.05	\$76.05	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	33	0	0	0	0	0	
INCOME	\$30,115.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30,116
2	\$121.69	\$121.69	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	43	2	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	12	
ANNUAL INVOICES	516	24	0	0	0	0	
INCOME	\$62,792.04	\$2,920.56	\$0.00	\$0.00	\$0.00	\$0.00	\$65,713
3	\$228.16	\$228.16	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	6	2	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	12	
ANNUAL INVOICES	72	24	0	0	0	0	
INCOME	\$16,427.52	\$5,475.84	\$0.00	\$0.00	\$0.00	\$0.00	\$21,903
4	\$380.27	\$380.27	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	3	0	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	12	
ANNUAL INVOICES	36	0	0	0	0	0	
INCOME	\$13,689.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,690
6	\$760.54	\$760.54	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	1	0	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	12	
ANNUAL INVOICES	12	0	0	0	0	0	
INCOME	\$9,126.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,126
CURRENT Fixed Income "RTS"							\$757,378
CURRENT VOLUME "UNITS WATER INVOICED" INCOME							\$1,695,899
CURRENT INCOME - GENERATED WITH CURRENT RATES RTS & UNITS INVOICED							\$2,453,277
LAST YEARS NON-SALES INCOME							\$58,420
LAST YEARS TOTAL COMBINED INCOME							\$2,511,697

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

TOTAL REVENUE GENERATED LAST FISCAL YEAR WITHOUT WHOLE SALES CUSTOMERS				\$2,511,697
Grand Ledge Sewer				
NON-SALES & OTHER REVENUE	2021 ACTUAL	2022 ACTUAL	FY23 Budget	2024
628.000 OPERATIONAL REVENUES	\$17,265	\$2,278	\$500	\$500
Insurance Dividends	\$0	\$1,878	\$0	\$0
635.001 EQUIPMENT RENTAL	\$45	\$0	\$8,410	\$0
635.003 REIMBURSEMENT FOR SALARIES	\$1,101	\$0	\$565	\$0
635.004 REIMBURSEMENT FOR FRINGE BENFT	\$522	\$0	\$75	\$0
635.007 REIMBURSE FOR OPERATING SUPPLY	\$375	\$300	\$2,025	\$300
635.008 REIMBURSE MAINT SUPPLY-SEWER	\$375	\$0	\$500	\$0
651.003 MISC SEWER SALES	\$423	\$0	\$250	\$0
651.004 SEWER CAPITAL INVESTMENT FEES	\$7,421	\$1,900	\$10,000	\$1,900
651.007 SEWER SEPARATION AMORTIZATION F	\$36,000	\$708,200	\$40,000	\$36,000
651.008 SEWER TAP FEES	\$19,720	\$145,300	\$50,000	\$19,720
673.000 SALE OF FIXED ASSETS	-\$27,967	\$0	\$0	\$0
TOTAL INCOME (NON SALES)	\$55,280	\$859,856	\$112,325	\$58,420
AVERAGE NON SALES INCOME		\$457,568	\$342,487	\$271,470
Portion of (Non Sales) Revenue Guaranteed :				\$15,000
Percent Applied Towards Fixed Rate RTS Charge - PERCENT applied per REU				0%
ANNUAL DOLLARS APPLIED TOWARDS FIXED BUDGET - BASE RATE - RTS				\$0
TOTAL ANNUAL RESIDENTIAL EQUIVALENT UNITS "REU'S"				49,795
REDUCTION PER REU PER BILLING PERIOD				\$0.00
ANNUAL DOLLARS APPLIED TOWARDS VARIABLE BUDGET - PER UNIT				\$15,000
ANNUAL UNITS OF WATER OR SEWER INVOICED				185,979
REDUCTION PER UNIT OF WATER OR SEWER				\$0.08

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)			Grand Ledge Sewer	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
					PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET
			ANNUAL PERCENT INCREASE		2.00%	2.00%	2.00%	2.00%
FY 2020 ACTUALS	FY 2021 ACTUALS	FY 2022 ACTUALS	Dept. 592.536 PLANT OPERATION & MAINTENANCE	2023	2024	2025	2026	2027
\$216,284	\$203,950	\$229,228	703.000 SALARIES/WAGES	\$245,990	\$250,910	\$255,928	\$261,047	\$266,267
					\$0	\$0	\$0	\$0
\$9,049	\$10,798	\$11,372	703.100 OVERTIME	\$36,200	\$36,924	\$37,662	\$38,416	\$39,184
					\$0	\$0	\$0	\$0
\$111,733	\$116,505	\$114,628	719.000 FRINGE BENEFITS	\$140,571	\$143,383	\$146,251	\$149,176	\$152,159
					\$0	\$0	\$0	\$0
\$42,585	\$40,932	\$44,773	723.000 OPEB ADJUSTMENT	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$44,991	\$42,339	\$49,070	753.000 CHEMICALS	\$75,000	\$76,500	\$78,030	\$79,591	\$81,182
					\$0	\$0	\$0	\$0
\$74,040	\$73,964	\$62,265	776.000 MAINTENANCE SUPPLIES	\$48,500	\$49,470	\$50,459	\$51,469	\$52,498
					\$0	\$0	\$0	\$0
\$115,865	\$107,348	\$109,678	811.000 CONTRACTUAL	\$88,000	\$89,760	\$91,555	\$93,386	\$95,254
					\$0	\$0	\$0	\$0
\$6,307	\$4,708	\$2,795	921.000 UTILITIES	\$110,000	\$112,200	\$114,444	\$116,733	\$119,068
					\$0	\$0	\$0	\$0
\$14,922	\$21,515	\$13,115	930.000 GROUNDS MAINTENANCE	\$6,000	\$6,120	\$6,242	\$6,367	\$6,495
					\$0	\$0	\$0	\$0
\$2,976	\$4,879	\$5,844	931.000 BUILDING MAINTENANCE	\$15,000	\$15,300	\$15,606	\$15,918	\$16,236
					\$0	\$0	\$0	\$0
\$833	\$872	\$601	932.000 VEHICLE MAINTENANCE	\$7,500	\$7,650	\$7,803	\$7,959	\$8,118
					\$0	\$0	\$0	\$0
\$27,794	\$31,784	\$36,225	936.000 STRUCTURE MAINTENANCE	\$4,000	\$4,080	\$4,162	\$4,245	\$4,330
					\$0	\$0	\$0	\$0
\$2,000	\$2,500	\$2,500	937.000 EQUIPMENT MAINTENANCE	\$32,000	\$32,640	\$33,293	\$33,959	\$34,638
					\$0	\$0	\$0	\$0
			940.000 EQUIPMENT RENTAL	\$2,000	\$2,040	\$2,081	\$2,122	\$2,165
					\$0	\$0	\$0	\$0
			995.208 TRANSFER TO PARKS AND REC	\$2,500	\$2,550	\$2,601	\$2,653	\$2,706
\$669,379	\$662,094	\$682,093	TOTAL	\$813,261	\$829,527	\$846,117	\$863,040	\$880,300

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)			Grand Ledge Sewer	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
FY 2020 ACTUALS	FY 2021 ACTUALS	FY 2022 ACTUALS			NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR
				ANNUAL PERCENT INCREASE	2.00%	2.00%	2.00%	2.00%
			Dept.: 592.538 LIFT STATION	2023	2024	2025	2026	2027
\$10,796	\$12,667	\$13,311	703.000 SALARIES/WAGES	\$12,110	\$12,352	\$12,599	\$12,851	\$13,108
					\$0	\$0	\$0	\$0
\$1,881	\$1,747	\$3,276	703.100 OVERTIME	\$8,510	\$8,680	\$8,854	\$9,031	\$9,211
					\$0	\$0	\$0	\$0
\$5,601	\$7,299	\$6,815	719.000 FRINGE BENEFITS	\$7,748	\$7,903	\$8,061	\$8,222	\$8,386
					\$0	\$0	\$0	\$0
\$2,259	\$4,985	\$5,542	776.000 MAINTENANCE SUPPLIES	\$6,000	\$6,120	\$6,242	\$6,367	\$6,495
					\$0	\$0	\$0	\$0
\$23,555	\$24,527	\$23,571	921.000 UTILITIES	\$21,000	\$21,420	\$21,848	\$22,285	\$22,731
					\$0	\$0	\$0	\$0
\$2,795	\$2,044	\$2,832	936.000 STRUCTURE MAINTENANCE	\$3,500	\$3,570	\$3,641	\$3,714	\$3,789
					\$0	\$0	\$0	\$0
\$11,477	\$3,762	\$6,329	937.000 EQUIPMENT MAINTENANCE	\$12,500	\$12,750	\$13,005	\$13,265	\$13,530
					\$0	\$0	\$0	\$0
			940.000 EQUIPMENT RENTAL	\$1,000	\$1,020	\$1,040	\$1,061	\$1,082
					\$0	\$0	\$0	\$0
\$16,883	\$22,127	\$6,145	977.000 EQUIPMENT - on equip replacement schedule		\$0	\$0	\$0	\$0
\$75,247	\$79,158	\$67,821	Dept.: 592.538 LIFT STATION	\$72,368	\$73,815	\$75,291	\$76,797	\$78,333

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)			Grand Ledge Sewer	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
					NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR
			ANNUAL PERCENT INCREASE		2.00%	2.00%	2.00%	2.00%
FY 2020 ACTUALS	FY 2021 ACTUALS	FY 2022 ACTUALS	Dept.: 592.539 SEWERS	2023	2024	2025	2026	2027
\$72,960	\$69,887	\$78,876	703.000 SALARIES/WAGES	\$103,772	\$105,847	\$107,964	\$110,124	\$112,326
					\$0	\$0	\$0	\$0
\$1,486	\$633	\$181	703.100 OVERTIME	\$4,102	\$4,184	\$4,268	\$4,353	\$4,440
					\$0	\$0	\$0	\$0
\$37,076	\$39,742	\$39,053	719.000 FRINGE BENEFITS	\$57,090	\$58,232	\$59,397	\$60,585	\$61,796
					\$0	\$0	\$0	\$0
\$22,621	\$30,600	\$19,029	776.000 MAINTENANCE SUPPLIES	\$24,083	\$24,565	\$25,056	\$25,557	\$26,068
					\$0	\$0	\$0	\$0
\$55,111	\$13,599	\$15,955	811.000 CONTRACTUAL	\$30,000	\$30,600	\$31,212	\$31,836	\$32,473
					\$0	\$0	\$0	\$0
\$149	\$8,892	\$3,672	936.000 STRUCTURE MAINTENANCE	\$4,237	\$4,322	\$4,408	\$4,496	\$4,586
					\$0	\$0	\$0	\$0
\$13,413	\$10,703	\$26,430	937.000 EQUIPMENT MAINTENANCE	\$16,850	\$17,187	\$17,531	\$17,881	\$18,239
					\$0	\$0	\$0	\$0
			940.000 EQUIPMENT RENTAL	\$9,500	\$9,690	\$9,884	\$10,081	\$10,283
\$202,816	\$174,056	\$183,196	Dept.: 592.539 SEWERS	\$249,634	\$254,627	\$259,719	\$264,914	\$270,212

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)			Grand Ledge Sewer	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
2020 ACTUAL	2021 ACTUAL	2022 ACTUAL			NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR
				ANNUAL PERCENT INCREASE	2.00%	2.00%	2.00%	2.00%
Dept.: 592.542 SEWER GENERAL EXPENSE				2023	2024	2025	2026	2027
\$20,626	\$23,704	\$24,642	703.000 SALARIES/WAGES	\$39,761	\$40,556	\$41,367	\$42,195	\$43,039
					\$0	\$0	\$0	\$0
\$0	\$172	\$22	703.100 OVERTIME	\$399	\$407	\$415	\$423	\$432
					\$0	\$0	\$0	\$0
\$10,555	\$13,402	\$12,350	719.000 FRINGE BENEFITS	\$22,547	\$22,998	\$23,458	\$23,927	\$24,405
					\$0	\$0	\$0	\$0
\$4,193	\$2,039	\$3,384	726.000 PERSONNEL ADMINISTRATION	\$3,000	\$3,060	\$3,121	\$3,184	\$3,247
					\$0	\$0	\$0	\$0
\$1,564	\$1,546	\$1,020	752.000 OFFICE SUPPLIES	\$3,500	\$3,570	\$3,641	\$3,714	\$3,789
					\$0	\$0	\$0	\$0
\$4,632	\$5,509	\$8,730	788.000 UNIFORMS	\$3,450	\$3,519	\$3,589	\$3,661	\$3,734
					\$0	\$0	\$0	\$0
\$1,456	\$2,843	\$3,320	801.000 ENGINEERING	\$25,000	\$25,500	\$26,010	\$26,530	\$27,061
					\$0	\$0	\$0	\$0
\$54,399	\$17,725	\$9,604	802.000 LEGAL FEES	\$15,000	\$15,300	\$15,606	\$15,918	\$16,236
					\$0	\$0	\$0	\$0
\$132	\$10,596	\$9,320	802.010 LABOR ATTORNEY	\$8,000	\$8,160	\$8,323	\$8,490	\$8,659
					\$0	\$0	\$0	\$0
\$5,760	\$1,875	\$323	803.000 TRASH REMOVAL	\$800	\$816	\$832	\$849	\$866
					\$0	\$0	\$0	\$0
\$759	\$604	\$744	811.001 CONTRACTUAL - COMPUTER	\$10,000	\$10,200	\$10,404	\$10,612	\$10,824
					\$0	\$0	\$0	\$0
\$685	\$695	\$718	811.003 EGLE FEES	\$12,650	\$12,903	\$13,161	\$13,424	\$13,693
					\$0	\$0	\$0	\$0
\$8,461	\$11,068	\$8,998	824.000 TRAINING	\$4,000	\$4,080	\$4,162	\$4,245	\$4,330
					\$0	\$0	\$0	\$0
\$4,109	\$2,250	\$3,647	852.000 POSTAGE	\$8,600	\$8,772	\$8,947	\$9,126	\$9,309
					\$0	\$0	\$0	\$0
\$16,575	\$17,118	\$18,097	853.000 TELEPHONE/INTERNET	\$12,528	\$12,779	\$13,034	\$13,295	\$13,561
					\$0	\$0	\$0	\$0
\$9,749	\$8,769	\$19,067	900.000 PRINTING/PUBLISHING	\$2,500	\$2,550	\$2,601	\$2,653	\$2,706
					\$0	\$0	\$0	\$0
\$2,678	\$2,603	\$3,305	935.000 INSURANCE	\$18,180	\$18,543	\$18,914	\$19,293	\$19,678
					\$0	\$0	\$0	\$0
\$6,890	\$20,421	\$31,259	940.000 EQUIPMENT RENTAL	\$15,700	\$16,014	\$16,334	\$16,661	\$16,994
					\$0	\$0	\$0	\$0
(\$9,898)	\$0	\$0	957.000 OPERATIONAL EXPENSE	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$0	\$0	\$0	968.000 DEPRECIATION	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$0	\$0	\$0	974.007 CAPITALIZED ASSETS	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$0	\$0	\$0	977.001 PLANT EQUIP REPLACEMENT	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$0	\$0	\$0	981.001 VEHICLE REPLACEMENT	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$152,403	\$157,623	\$157,623	991.000 DEBT-PRINCIPAL	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$63	\$150	\$0	992.000 DEBT-INTEREST	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
	\$0		993.000 DEBT-PAYING AGENT FEES	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
	\$12,500	\$12,500	995.306 TRANSFER TO 2019 DEBT SERVICE	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
			995.661 TRANSFER TO EQUIPMENT OPERATING	\$12,500	\$12,500	\$12,750	\$13,005	\$13,265
					\$0	\$0	\$0	\$0
			997.101 INDIRECT COST CHARGES	\$163,785	\$163,785	\$167,060	\$170,401	\$173,809
\$295,791	\$313,212	\$328,673	Dept.: 592.542 SEWER GENERAL EXPENSE	\$381,899	\$386,011	\$393,732	\$401,606	\$409,638

Grand Ledge Sewer

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2023

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

YOUR ANTICIPATED NORMAL INTENDED USEFUL LIFE OR YEARS BETWEEN REHAB SHOULD BE BASED ON PAST MAINTENANCE HISTORY, WELL MAINTENANCE RECORDS AND WATER TOWER INSPECTION REPORTS. - A COPY OF THESE REPORTS SHOULD BE INCLUDED IN YOUR RATE EVALUATION AS AN ATTACHMENT OR APPENDIX -- ALSO NOTE; IF YOU ARE APPLYING FOR A USDA RURAL DEVELOPMENT GRANT OR HOPE TO GET A USDA GRANT - THE REMAINING YEARS OF LIFE FOR ANY EQUIPMENT CAN NOT EXCEED 15 YEARS. FOR ANYTHING - WATER METERS WATER TOWER PAINTING ETC. ONCE THE USEFUL LIFE OR NEXT ANTICIPATED MAINTENANCE IS LESS THAN 15 YEARS AWAY IT CAN BE LISTED HERE,

FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	REMAINING LIFE - YEARS BEFORE REPLACEMENT	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
Eaton Hwy									
(2) Pumps		2023	15	0	2038	15	\$17,300	100%	\$1,153
ELECTRIC PANEL & CONTROLS	In O & M budget	2023	25	0	2048	25	\$1	100%	\$0
Loch Ledge									
(2) Pumps		2009	15	14	2023	0	\$16,000	0%	\$1,067
ELECTRIC PANEL & CONTROLS	In O & M budget	2000	25	23	2025	2	\$1	8%	\$0
Burt Ave									
(2) Pumps	In O & M budget	2011	15	12	2026	3	\$1	20%	\$0
ELECTRIC PANEL & CONTROLS	In O & M budget	2002	25	21	2023	0	\$1	0%	\$0
Whitney St									
(2) Pumps		2013	15	15	2028	5	\$18,000	33%	\$1,200
ELECTRIC PANEL & CONTROLS	In O & M budget	2004	25	19	2029	6	\$1	24%	\$0
(2) Motors	In O & M budget	2045	15	15	2060	37	\$1	247%	\$0
W River St									
Pump 1	NEW 2021	2021	15	2	2036	13	\$18,000	87%	\$1,200
PUMP 2	NEW 2021	2021	15	2	2036	13	\$18,000	87%	\$1,200
PUMP 3	NEW 2021	2021	15	2	2036	13	\$18,000	87%	\$1,200
MOTOR 1	In O & M budget	2017	15	6	2032	9	\$1	60%	\$0
MOTOR 2	In O & M budget	2021	15	2	2036	13	\$1	87%	\$0
MOTOR 3	In O & M budget	2011	15	12	2026	3	\$1	20%	\$0
(3) Check Valve 6" - 900 EACH	In O & M budget	1990	35	33	2025	2	\$1	6%	\$0
Control Panel Allen Brady	In O & M budget	2010	20	13	2030	7	\$1	35%	\$0
Electric Panel/Gear	In O & M budget	2010	20	13	2030	7	\$1	35%	\$0
(3) VFD	2 REPLACED IN 2016	2016	15	7	2031	8	\$25,000	53%	\$1,667
Mag/Flowmeter	In O & M budget	2010	20	13	2030	7	\$1	35%	\$0
Overflow Mag	In O & M budget	2010	25	13	2035	12	\$1	48%	\$0
Generator	Portable	1990	40	33	2030	7	\$50,000	18%	\$1,250
Confined Space Hoist/System	In O & M budget	2016	20	7	2036	13	\$1	65%	\$0
BUILDING MAINT - ROOF & HEAT ETC		2015	20	8	2035	12	\$15,000	60%	\$750
Generator Stationary		1995	40	28	2035	12	\$50,000	30%	\$1,250
W Jefferson St									
(2) Pumps		2006	20	17	2026	3	\$70,000	15%	\$3,500
Generator		2006	35	17	2041	18	\$80,000	51%	\$2,286
(2) Check Valves	In O & M budget	2006	25	17	2031	8	\$1	32%	\$0
(2) VFD Cutler Hammer SUX 9000		2006	20	17	2026	3	\$18,000	15%	\$900

Grand Ledge Sewer

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2023

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

YOUR ANTICIPATED NORMAL INTENDED USEFUL LIFE OR YEARS BETWEEN REHAB SHOULD BE BASED ON PAST MAINTENANCE HISTORY, WELL MAINTENANCE RECORDS AND WATER TOWER INSPECTION REPORTS. - A COPY OF THESE REPORTS SHOULD BE INCLUDED IN YOUR RATE EVALUATION AS AN ATTACHMENT OR APPENDIX -- ALSO NOTE: IF YOU ARE APPLYING FOR A USDA RURAL DEVELOPMENT GRANT OR HOPE TO GET A USDA GRANT - THE REMAINING YEARS OF LIFE FOR ANY EQUIPMENT CAN NOT EXCEED 15 YEARS. FOR ANYTHING - WATER METERS WATER TOWER PAINTING ETC. ONCE THE USEFUL LIFE OR NEXT ANTICIPATED MAINTENANCE IS LESS THAN 15 YEARS AWAY IT CAN BE LISTED HERE,

FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	REMAINING LIFE - YEARS BEFORE REPLACEMENT	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
(3) Valves Butterfly		2006	25	17	2031	8	\$14,700	32%	\$588
Mag Flowmeter	In O & M budget	2006	20	17	2026	3	\$1	15%	\$0
Controls Multismart	In O & M budget	2006	20	17	2026	3	\$1	15%	\$0
Electric Gear/Panels	In O & M budget	2006	25	17	2031	8	\$1	32%	\$0
Fitzgerald Field									
(2) Pumps		1995	30	28	2023	0	\$10,300	0%	\$343
Controls	In O & M budget	2018	20	5	2038	15	\$1	75%	\$0
							\$438,320	50%	\$ 19,555

Grand Ledge Sewer EQUIPMENT REPLACEMENT PAGE 2									ANNUAL RESERVE
2023									
MID-TERM ASSETS 15-30 YEARS									
FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							REPLACEMENT MONEY RESERVED ANNUALLY
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR	NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT REPLACEMENT YEAR	REMAINING LIFE - YEARS BEFORE REPLACEMENT	TOTAL REPLACEMENT COST	PERCENT CONSUMED	
/Screening Room									
Bar Screen		2023	20	0	2043	20	\$70,000	0%	\$3,500
Washing Screw Compactor		2023	20	0	2043	20	\$45,000	0%	\$2,250
Controls		2023	20	0	2043	20	\$30,000	100%	\$1,500
Recycle Pump	In O & M budget	2011	20	12	2031	8	\$1	60%	\$0
Electric Controls	In O & M budget	2011	20	12	2031	8	\$1	60%	\$0
Gas Detectors	In O & M budget	2011	20	12	2031	8	\$1	100%	\$0
Exhaust Fan	In O & M budget	2011	20	12	2031	8	\$1	60%	\$0
Chlorine Tablet	In O & M budget	2011	20	12	2031	8	\$1	60%	\$0
Muffin Monster MAINTENANCE BLD - ROOF ETC.		2011	20	12	2031	8	\$20,000	100%	\$1,000
ELECTRICAL PANELS		2011	25	12	2036	13	\$40,000	60%	\$2,000
		2011	25	12	2036	13	\$30,000	48%	\$1,200
Grit Building									
Sampler for Influent	In O & M budget								
Grit Blower and 10 H.P. Motor		2011	15	12	2026	3	\$22,500	80%	\$1,500
Exhaust Fan	In O & M budget	2011	20	12	2031	8	\$1	60%	\$0
Parshall Flume	In O & M budget	2011	30	12	2041	18	\$1	40%	\$0
Influent Flow Meter	In O & M budget	2011	15	12	2026	3	\$1	80%	\$0
Chlorine Room									
Chlorine Pace Unit	In O & M budget	2019	10	4	2029	6	\$1	40%	\$0
(2) Chlorine Regulators	In O & M budget	2018	10	5	2028	5	\$1	50%	\$0
Chlorine Gas Leak Detector	In O & M budget	2011	15	12	2026	3	\$1	80%	\$0
Final Effluent Flow Meter	In O & M budget	2011	10	12	2023	0	\$1	100%	\$0
Pump Room									
1 Lobe Pro Sludge Pumps 15 H.P. 1		2018	10	5	2028	5	\$18,000	50%	\$1,800
1 Lobe Pro Sludge Pumps 15 H.P. 2		2019	10	4	2029	6	\$18,000	40%	\$1,800
Return Pumps 15 H.P. 1		2020	12	3	2032	9	\$30,000	25%	\$2,500
Return Pumps 15 H.P. 2		2020	12	3	2032	9	\$30,000	25%	\$2,500
Return Pumps 15 H.P. 3		2013	12	10	2025	2	\$30,000	83%	\$2,500
(2) Effluent Pumps 10 H.P.	In O & M budget	2012	20	11	2032	9	\$1	55%	\$0
Power Valve	In O & M budget	2014	10	9	2024	1	\$1	90%	\$0
(3) "Mags" Return Sludge Waste	ONE REPLACED ON WAS 2019	2009	15	14	2024	1	\$15,000	93%	\$1,000
Cummins Diesel Powered Generator - NEW 2011 40 YRS		2011	30	12	2041	18	\$175,000	40%	\$5,833
Intermediate Lift Station									
(3) 15 H.P. Submersible Pumps		2011	20	12	2031	8	\$48,000	60%	\$2,400
Hoist for Pump Service	In O & M budget	2011	30	12	2041	18	\$1	40%	\$0
Electric Panel and Controls		2011	20	12	2031	8	\$15,000	60%	\$750
Primary Tanks (2)									
Flight Drive		2020	30	3	2050	27	\$30,000	10%	\$1,000
Cross Screws		1975	46	48	2023	0	\$12,500	100%	\$272
Replacement Chain/Flights		2009	15	14	2024	1	\$22,140	93%	\$1,476
							\$872,155		\$ 48,182

**Grand Ledge Sewer
EQUIPMENT REPLACEMENT PAGE 3**

2023

**ANNUAL
RESERVE**

FIXED ASSET INVENTORY

ASSET REPLACEMENT SCHEDULE

EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / NOTES	ORIGINAL INSTALLATION YEAR	NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT REPLACEMENT YEAR	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	PERCENT CONSUMED	REPLACEMENT MONEY RESERVED ANNUALLY
Final Clarifier Drives									
(1) Final Drive Gearbox/Clarifier		2023	45	0	2068	\$125,000	100%	0%	\$2,778
(1) Final Drive Gearbox/Clarifier		2023	45	0	2068	\$125,000	100%	0%	\$2,778
Chemical Feed Room									
	In O & M budget								
Lime Pumps 1	In O & M budget	2009	15	14	2024	\$1	7%	93%	\$0
Lime Pumps 2	In O & M budget	2000	15	23	2015	\$1	-53%	153%	\$0
Ferric Pumps (2)	In O & M budget								
Bisulfite Pumps		2011	15	12	2026	\$1	20%	80%	\$0
5,000 Gallon Ferric Tanks (2)	In O & M budget	2002	20	21	2022	\$27,942	-5%	105%	\$1,397
Pulse Dampeners for Lime Pumps (2)	In O & M budget								
Lime Dust Collector		2013	40	10	2023	\$1	0%	100%	\$0
Lab Equipment	In O & M budget	2004	40	19	2044	\$1	53%	48%	\$0
Spectrophotometer	In O & M budget	2015	10	8	2025	\$1	20%	80%	\$0
"Top Loader" Scale	In O & M budget		20						
"Door Scale"	In O & M budget	2021	20	2	2023	\$1	0%	100%	\$0
Drying Oven	In O & M budget	2019	20	4	2039	\$1	80%	20%	\$0
pH Meter	In O & M budget	2016	10	7	2026	\$1	30%	70%	\$0
Muffle Furnace	In O & M budget	2017	10	6	2027	\$1	40%	60%	\$0
BOD Incubator	In O & M budget	2014	15	9	2029	\$1	40%	60%	\$0
Autoclave	In O & M budget	2012	15	11	2027	\$1	27%	73%	\$0
BOD Meter	In O & M budget	2017	8	6	2025	\$1	25%	75%	\$0
Water Softener	In O & M budget	2000	20	23	2023	\$1	0%	100%	\$0
Primary Sampler	In O & M budget	2010	15	13	2025	\$1	13%	87%	\$0
Final Sampler	In O & M budget	2008	15	15	2023	\$1	0%	100%	\$0
Scada Computer	In O & M budget	2020	1	3	2023	\$1	0%	100%	\$1
Scada Computer "Backup"	In O & M budget	2020	7	3	2027	\$1	57%	43%	\$0
SCADA SOFTWARE		2020	20	3	2040	\$50,000	85%	15%	\$2,500
Miscellaneous									
	In O & M budget								
Heat and A/C Unit for WWTP on Roof		2010	20	13	2030	\$35,000	35%	65%	\$1,750
ROOF - MAIN WWTP BUILDING		2019	20	4	2039	\$35,000	80%	20%	\$1,750
Vehicles									
Vactor		2021	10	2	2033	\$450,000	83%	17%	\$45,000
Camera Truck		2013	15	10	2028	\$80,000	33%	67%	\$5,333
2017 Dodge PICKUP INCLUDES PLOW & SERVICE BODY	In O & M budget	2017	8	6	2025	\$68,000	25%	75%	\$8,500
Crane/Hoist		2014	20	9	2034	\$1	55%	45%	\$0
ROOFS - GRIT, INTERMEDIATE LS, VALVE, CONTROL BLD		1997	20	26	2023	\$15,000	0%	100%	\$750
						\$1,010,961	34%		\$ 72,538

Grand Ledge Sewer	2023		
CAPITAL IMPROVEMENT PROJECTS SUMMARY		PERCENT DOWNPAYMENT	10%
CAPITAL IMPROVEMENT IDEAS WERE GENERATED FROM			

MRWA DOES NOT RECOMMEND OR SUGGEST FINANCING OPTIONS. IT IS UP TO THE COMMUNITY AND THEIR ADVOCATES TO DECIDE WHAT FINANCING OPTIONS WORK BEST FOR THEM AND THEIR FUTURE PROJECTS.

ENTER ITEMS ON THIS PAGE FIRST - THEN SEE INDIVIDUAL PAGES FOR ENTERING DETAILS ON EACH PROJECT -

CAPITAL PROJECTS - FOR DETAILS OF EACH PROJECT SEE INDIVIDUAL PAGES	ESTIMATED PROJECT COST	CASH CONTRIBUTION FROM RATES	AMOUNT FINANCED	COMPLETE IN YEAR OF	IS THIS YEAR FLEXIBLE?	MONEY NEEDED ANNUALLY
Green St. Reconstruction	\$227,000	\$227,000	\$0	2024		\$227,000
WWTP Engineering	\$0	\$0	\$0	2024		\$0
Infiltration Inflow and reduction	\$0	\$0	\$0	2024		\$0
WWTP Expansion (\$42,000,000)		\$0	\$0	2024		\$0
Belknap Reconstruction	\$264,000	\$264,000	\$0	2025		\$132,000
Union Street Phase 1 (Clinton to Church)	\$404,800	\$404,800	\$0	2026		\$134,933
W Jefferson force main/W River Lift Station	\$0	\$0	\$0	2026		\$0
Spring St Reconstruction	\$234,300	\$234,300	\$0	2027		\$58,575
Colonial Park Reconstruction	\$214,500	\$214,500	\$0	2028		\$42,900
Whitney Lift Station	\$1,750,000	\$0	\$1,750,000	2028		\$0
Industrial park lift station	\$1,150,000	\$0	\$1,150,000	2028		\$0
Union Street Phase 2 (Church to Whitney)	\$278,300	\$278,300	\$0	2029		\$46,383
Jackson St. Reconstruction	\$202,400	\$202,400	\$0	2031		\$25,300
W. South Reconstruction	\$290,400	\$290,400	\$0	2031		\$36,300
Future Project	\$346,683	\$0	\$346,683	2031		\$0

\$5,362,383	\$2,115,700	\$3,246,683			\$703,392
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Grand Ledge Sewer				
	CURRENT	NEW	DIFFERENCE	
PER 1,000 GAL.	\$9.08	\$9.53	\$0.45	
2023				
METER SIZE IN INCHES	READY TO SERVE PER MONTH	READY TO SERVE PER MONTH	METER RATIO FACTOR - REU'S PER METER SIZE	DIFFERENCE PER MONTH
3/4	\$15.21	\$31.83	1.00	\$16.62
1	\$38.03	\$79.59	2.50	\$41.56
1 1/2	\$76.05	\$159.15	5.00	\$83.10
2	\$121.69	\$254.66	8.00	\$132.97
3	\$228.16	\$477.45	15.00	\$249.29
4	\$380.27	\$795.80	25.00	\$415.53
6	\$760.54	\$1,591.60	50.00	\$831.06
8	\$1,521.00	\$2,546.43	80.00	\$1,025.43

Oneida Twp Sewer	
CURRENT	NEW
\$9.08	\$9.53
CURRENT	NEW
READY TO SERVE PER MONTH	READY TO SERVE PER MONTH
\$15.21	\$31.83
\$38.03	\$79.59
\$76.05	\$159.15
\$121.69	\$254.66
\$228.16	\$477.45
\$380.27	\$795.80
\$760.54	\$1,591.60
\$1,521.00	\$2,546.43

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR		2023		RTS CHARGE		VOLUME CHARGE	
Grand Ledge Sewer	ANNUAL BUDGET	PERCENT FIXED EXPENSES	ASSIGNED AS FIXED EXPENSES	COST PER METER EQUIVALENT	ASSIGNED AS VARIABLE EXPENSES	\$ COST PER 1,000 GALLONS	
Dept.: 592.536 PLANT OPERATION & MAINTENANCE	\$813,261	0%	\$0	\$0.00	\$813,261	\$4.373	
Dept.: 592.538 LIFT STATION	\$72,368	0%	\$0	\$0.00	\$72,368	\$0.389	
Dept.: 592.539 SEWERS	\$249,634	0%	\$0	\$0.00	\$249,634	\$1.342	
Dept.: 592.542 SEWER GENERAL EXPENSE	\$381,899	0%	\$0	\$0.00	\$381,899	\$2.053	
OPERATION & MAINTENANCE EXPENSES	\$1,517,162		\$0	\$0.00	\$1,517,162	\$8.158	
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS							
2014 Refunded complete 2025	\$217,882	100%	\$217,882	\$4.38	\$0	\$0.00	
2019 Capital Improvement Bonds complete 2034	\$146,978	100%	\$146,978	\$2.95	\$0	\$0.00	
2009 Bonds Complete 2029	\$224,227	100%	\$224,227	\$4.50	\$0	\$0.00	
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$589,087		\$589,087	\$11.83	\$0	\$0.00	
ANNUAL O & M + DEBT	\$2,106,249		\$589,087	\$11.83	\$1,517,162	\$8.16	
RESERVES							
EQUIPMENT REPLACEMENT & RESERVE REQUIREMENTS	\$118,500		\$0	\$0.00	\$118,500	\$0.64	
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$151,214	0%	\$0	\$0.00	\$151,214	\$0.81	
WWTP First Payment 2025 (50% raised in FY24)	\$995,893	100%	\$995,893	\$20.00		\$0.00	
CAPITAL + EQUIPMENT & WWTP expansion 50%	\$1,265,607		\$995,893	\$20.00	\$269,714	\$1.45	
ADOPTED BUDGET	\$3,371,856		\$1,584,980		\$1,786,876		
		0.00%	47%		53%		
REVENUE COLLECTED CALCULATED RATES	\$3,356,856		\$1,584,980		\$1,771,876		
REVENUE COLLECTED CURRENT RATES	\$2,453,277						
CALCULATED RATE PER METER EQUIVALENT				PER MONTH	\$31.83	RATE PER 1,000 GAL.	\$9.53
ANNUAL METER EQUIVALENTS / REU'S COUNT 49,795			CURRENT RATES	\$15.21		\$9.08	
ANTICIPATED EQUIVALENT GALLONS / UNITS 185,979			PERCENT INCREASE	109.3%		4.9%	
INVOICES PER YEAR 12			INCREASE OF	\$16.62		\$0.45	

TYPICAL BILL COMPARISON USING NEW RATES							
<i>Grand Ledge Sewer</i>							
<u>CURRENT RATES</u>				<u>NEW / CALCULATED RATES</u>			
RTS		\$15.21			\$31.83		
COST PER UNIT		\$9.08			\$9.53		
COST PER UNIT OF WATER			MONTHLY			\$ PER 1,000 GAL.	
METER SIZE IN INCHES	GALLONS USED	VOLUME CHARGE	BASE RATE CHARGE	NEW BILL	OLD BILL	CHANGE IN BILL	PERCENT INCREASE
3/4	1,000	\$9.53	\$31.83	\$41.36	\$24.29	\$17.07	70.3%
3/4	3,000	\$28.58	\$31.83	\$60.41	\$42.45	\$17.96	42.3%
3/4	4,000	\$38.11	\$31.83	\$69.94	\$51.53	\$18.41	35.7%
3/4	6,000	\$57.16	\$31.83	\$88.99	\$69.69	\$19.30	27.7%
3/4	10,000	\$95.27	\$31.83	\$127.10	\$106.01	\$21.09	19.9%

1	50,000	\$476.37	\$79.59	\$555.95	\$492.03	\$63.92	13.0%
1 1/2	75,000	\$714.55	\$159.15	\$873.70	\$757.05	\$116.65	15.4%
2	100,000	\$952.73	\$254.66	\$1,207.39	\$1,029.69	\$177.70	17.3%
3	200,000	\$1,905.46	\$477.45	\$2,382.92	\$2,044.16	\$338.76	16.6%
4	300,000	\$2,858.19	\$795.80	\$3,653.99	\$3,104.27	\$549.72	18%
6	400,000	\$3,810.92	\$1,591.60	\$5,402.52	\$4,392.54	\$1,009.98	23%
8	500,000	\$4,763.65	\$2,546.43	\$7,310.08	\$6,061.00	\$1,249.08	21%