

SEWER RATE CALCULATION REPORT

MAY 2024'



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>	2024
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
Current Rate Structure	
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.	\$9.53			
INVOICES PER YEAR	12			
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	\$31.83	2834	12	\$1,082,475
1	\$79.58	39	12	\$37,243
1 1/2	\$159.15	30	12	\$57,294
2	\$254.64	42	12	\$128,339
3	\$509.28	6	12	\$36,668
4	\$795.75	3	12	\$28,647
6	\$1,591.50	1	12	\$19,098
8	\$2,546.40		12	\$0
TOTALS		2955		\$1,389,764

Oneida Twp Sewer						
TYPE OF WATER UNITS	1,000 GALLONS		Ratio Entity # 2 vs. 1			
COST PER WATER UNIT	\$9.53		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	\$31.83	1.00	1.00	382	12	\$145,909
1	\$79.58	1.00		16	12	\$15,279
1 1/2	\$159.15	1.00			12	\$0
2	\$254.64	1.00		2	12	\$6,111
3	\$509.28	1.00		2	12	\$12,223
4	\$795.75	1.00			12	\$0
6	\$1,591.50	1.00			12	\$0
8	\$2,546.40	1.00			12	\$0
				402		\$179,522

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

2024 YEAR 1	CURRENT CHARGES RATE CLASS 1		RATE CLASS 2						NEW RATES
	Grand Ledge Sewer		Oneida Twp Sewer						Grand Ledge 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	ORIGINAL ENTITY 1
3/4	2834	12	382	12	3216	1.00	1.00	38,592	\$48.59
1	39	12	16	12	55	2.50	2.50 5.00 8.00 15.00 25.00 50.00 80.00	1,650	\$121.49
1 1/2	30	12	0	12	30	5.00		1,800	\$242.97
2	42	12	2	12	44	8.00		4,224	\$388.74
3	6	12	2	12	8	15.00		1,440	\$728.90
4	3	12	0	12	3	25.00		900	\$1,214.83
6	1	12	0	12	1	50.00		600	\$2,429.65
8	0	12	0	12	0	80.00			\$3,887.44
TOTAL	2955		402		3357				
ANNUAL METER <u>EQUIVALENTS</u> USED FOR RATE CALCULATION								49,206	

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							
	2019	2020	2021	2022	2023	COST PER UNIT	REVENUE	PERCENT OF USE	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	205,049,700	188,092,700	186,669,500	186,773,000	195,677,200	\$9.53	\$1,864,804	100.0%	192,452,420	205,049,700	186,669,500	9%	0.0%	186,669,500
TOTALS	205,049,700	188,092,700	186,669,500	186,773,000	195,677,200		\$1,864,804		192,452,420	205,049,700	186,669,500	9%		186,669,500
WAS AN ELECTRONIC COPY OF THE ORIGINAL KEPT ?							GALLONS / VOLUME USED FOR EVALUATION					186,669,500		

CURRENT REVENUE BASED ON CURRENT RATE CHARGES

Grand Ledge Sewer							2024
	Grand Ledge Sewer	Oneida Twp Sewer	RATE CLASS 2 \$0.00	RATE CLASS 3 \$0.00	RATE CLASS 4 \$0.00	RATE CLASS 5 \$0.00	RATE CLASS 6 \$0.00
	New Cost per Unit of Water Sold						
\$ PER 1,000 GAL.	\$9.530	\$9.530	\$0.000	\$0.000	\$0.000	\$0.000	
UNITS Sold	195,677	0	0	0	0	0	195,677
Income	\$1,864,804	\$0	\$0	\$0	\$0	\$0	\$1,864,804
METER SIZE							
	NEW BASE RATE PER MONTH						
3/4	\$31.830	\$31.830	\$0.000	\$0.000	\$0.000	\$0.000	
NO. CUSTOMERS	2,834	382	0	0	0	0	
INCOME	\$1,082,474.64	\$145,908.72	\$0.00	\$0.00	\$0.00	\$0.00	\$1,228,383
1	\$79.58	\$79.58	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	39	16	0	0	0	0	
INCOME	\$37,243.44	\$15,279.36	\$0.00	\$0.00	\$0.00	\$0.00	\$52,523
1 1/2	\$159.15	\$159.15	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	30	0	0	0	0	0	
INCOME	\$57,294.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57,294
2	\$254.64	\$254.64	\$0.00	\$0.00	\$0.00	\$0.00	
NO. CUSTOMERS	42	2	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	12	
ANNUAL INVOICES	504	24	0	0	0	0	
INCOME	\$128,338.56	\$6,111.36	\$0.00	\$0.00	\$0.00	\$0.00	\$134,450
3	\$509.28	\$509.28	\$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	\$36,668.16	\$12,222.72	\$0.00	\$0.00	\$0.00	\$0.00	\$48,891
4	\$795.75	\$795.75	\$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	\$28,647.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28,647
6	\$1,591.50	\$1,591.50	\$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	\$19,098.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19,098
CURRENT Fixed Income "RTS"							\$1,569,286
CURRENT VOLUME "UNITS WATER INVOICED" INCOME							\$1,864,804
CURRENT INCOME - GENERATED WITH CURRENT RATES RTS & UNITS INVOICED							\$3,434,090

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

TOTAL REVENUE GENERATED LAST FISCAL YEAR WITHOUT WHOLE SALES CUSTOMERS				\$3,474,156
Grand Ledge Sewer				
NON-SALES & OTHER REVENUE	FY 2021 ACTUAL	FY 2022 ACTUAL	FY 2023 ACTUAL	2024
628.000 OPERATIONAL REVENUES	\$14,000	\$671	\$0	\$0
635.001 EQUIPMENT RENTAL	\$7,266	\$15,383	\$27,254	\$7,266
635.003 REIMBURSEMENT FOR SALARIES	\$0	\$0	\$0	\$0
635.004 REIMBURSEMENT FOR FRINGE BENFT	\$0	\$0	\$0	\$0
635.007 REIMBURSE FOR OPERATING SUPPLY	\$785	\$675	\$300	\$300
635.008 REIMBURSE MAINT SUPPLY-SEWER	\$0	\$0	\$0	\$0
651.003 MISC SEWER SALES	\$0	\$0	\$0	\$0
651.004 SEWER CAPITAL INVESTMENT FEES	\$2,015	\$2,000	\$15,000	\$2,000
651.007 SEWER SEPARATION AMORTIZATION F	\$134,000	\$48,000	\$24,000	\$24,000
651.008 SEWER TAP FEES	\$32,200	\$11,900	\$6,500	\$6,500
673.000 SALE OF FIXED ASSETS	\$0	\$0	\$0	\$0
TOTAL INCOME (NON SALES)	\$190,266	\$78,629	\$73,054	\$40,066
AVERAGE NON SALES INCOME		\$134,448	\$113,983	\$95,504
Portion of (Non Sales) Revenue Guaranteed :				\$35,000
Percent Applied Towards Fixed Rate RTS Charge - PERCENT applied per REU				10%
ANNUAL DOLLARS APPLIED TOWARDS FIXED BUDGET - BASE RATE - RTS				\$3,640
TOTAL ANNUAL RESIDENTIAL EQUIVALENT UNITS "REU'S"				49,206
REDUCTION PER REU PER BILLING PERIOD				\$0.07
ANNUAL DOLLARS APPLIED TOWARDS VARIABLE BUDGET - PER UNIT				\$31,360
ANNUAL UNITS OF WATER OR SEWER INVOICED				186,670
REDUCTION PER UNIT OF WATER OR SEWER				\$0.17

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 2021 ACTUAL	FY 2022 ACTUAL	FY 2023 ACTUAL	Dept. 592.008 PLANT OPERATION & MAINTENANCE	2024	2025	2026	2027	2028
\$203,950	\$229,228	\$241,816	703.000 SALARIES/WAGES	\$271,890	\$277,328	\$282,874	\$288,532	\$294,302
					\$0	\$0	\$0	\$0
\$10,798	\$11,372	\$13,933	703.100 OVERTIME	\$43,396	\$44,264	\$45,149	\$46,052	\$46,973
					\$0	\$0	\$0	\$0
\$116,505	\$114,628	\$129,748	719.000 FRINGE BENEFITS	\$155,727	\$158,842	\$162,018	\$165,259	\$168,564
					\$0	\$0	\$0	\$0
\$0	\$0	\$0	723.000 OPEB ADJUSTMENT	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0
\$42,339	\$49,070	\$56,681	753.000 CHEMICALS	\$65,000	\$66,300	\$67,626	\$68,979	\$70,358
					\$0	\$0	\$0	\$0
\$40,932	\$44,773	\$50,131	776.000 MAINTENANCE SUPPLIES	\$50,000	\$51,000	\$52,020	\$53,060	\$54,122
					\$0	\$0	\$0	\$0
\$73,964	\$62,265	\$74,739	811.000 CONTRACTUAL	\$88,000	\$89,760	\$91,555	\$93,386	\$95,254
					\$0	\$0	\$0	\$0
\$107,348	\$109,678	\$112,979	921.000 UTILITIES	\$112,000	\$114,240	\$116,525	\$118,855	\$121,232
					\$0	\$0	\$0	\$0
\$4,708	\$2,795	\$1,084	930.000 GROUNDS MAINTENANCE	\$5,000	\$5,100	\$5,202	\$5,306	\$5,412
					\$0	\$0	\$0	\$0
\$21,515	\$13,115	\$10,339	931.000 BUILDING MAINTENANCE	\$15,000	\$15,300	\$15,606	\$15,918	\$16,236
					\$0	\$0	\$0	\$0
\$4,879	\$5,844	\$2,789	932.000 VEHICLE MAINTENANCE	\$7,500	\$7,650	\$7,803	\$7,959	\$8,118
					\$0	\$0	\$0	\$0
\$872	\$601	\$1,282	936.000 STRUCTURE MAINTENANCE	\$4,000	\$4,080	\$4,162	\$4,245	\$4,330
					\$0	\$0	\$0	\$0
\$31,784	\$36,225	\$28,731	937.000 EQUIPMENT MAINTENANCE	\$32,000	\$32,640	\$33,293	\$33,959	\$34,638
					\$0	\$0	\$0	\$0
\$0	\$0	\$5,252	940.000 EQUIPMENT RENTAL	\$2,000	\$2,040	\$2,081	\$2,122	\$2,165
					\$0	\$0	\$0	\$0
\$2,500	\$2,500	\$2,500	995.208 TRANSFER TO PARKS AND REC	\$2,500	\$2,550	\$2,601	\$2,653	\$2,706
\$662,094	\$682,094	\$732,004	TOTAL	\$854,013	\$871,093	\$888,515	\$906,285	\$924,411

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 2021 ACTUAL	FY 2022 ACTUAL	FY 2023 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.: 592.538 LIFT STATION	2024	2025	2026	2027	2028
\$12,667	\$13,311	\$17,928	703.000 SALARIES/WAGES	\$13,006	\$13,266	\$13,531	\$13,802	\$14,078
					\$0	\$0	\$0	\$0
\$1,747	\$3,276	\$6,052	703.100 OVERTIME	\$10,663	\$10,876	\$11,094	\$11,316	\$11,542
					\$0	\$0	\$0	\$0
\$7,299	\$6,815	\$8,458	719.000 FRINGE BENEFITS	\$8,481	\$8,651	\$8,824	\$9,000	\$9,180
					\$0	\$0	\$0	\$0
\$4,985	\$5,542	\$4,895	776.000 MAINTENANCE SUPPLIES	\$6,000	\$6,120	\$6,242	\$6,367	\$6,495
					\$0	\$0	\$0	\$0
\$24,527	\$23,571	\$21,267	921.000 UTILITIES	\$22,000	\$22,440	\$22,889	\$23,347	\$23,814
					\$0	\$0	\$0	\$0
\$2,044	\$2,832	\$17	936.000 STRUCTURE MAINTENANCE	\$3,500	\$3,570	\$3,641	\$3,714	\$3,789
					\$0	\$0	\$0	\$0
\$3,762	\$6,329	\$10,693	937.000 EQUIPMENT MAINTENANCE	\$20,000	\$20,400	\$20,808	\$21,224	\$21,649
					\$0	\$0	\$0	\$0
		\$333	940.000 EQUIPMENT RENTAL	\$1,000	\$1,020	\$1,040	\$1,061	\$1,082
					\$0	\$0	\$0	\$0
\$22,127	\$6,145	\$31,221	977.000 EQUIPMENT - on equip replacement schedule	\$0	\$0	\$0	\$0	\$0
\$79,158	\$67,821	\$100,864	Dept.: 592.538 LIFT STATION	\$84,650	\$86,343	\$88,070	\$89,831	\$91,628

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 2021 ACTUAL	FY 2022 ACTUAL	FY 2023 ACTUAL	Dept.: 592.539 SEWERS	2024	2025	2026	2027	2028
\$69,887	\$78,876	\$79,230	703.000 SALARIES/WAGES	\$108,610	\$110,782	\$112,998	\$115,258	\$117,563
					\$0	\$0	\$0	\$0
\$633	\$181	\$882	703.100 OVERTIME	\$6,189	\$6,313	\$6,439	\$6,568	\$6,699
					\$0	\$0	\$0	\$0
\$39,742	\$39,053	\$42,447	719.000 FRINGE BENEFITS	\$59,951	\$61,150	\$62,373	\$63,620	\$64,893
					\$0	\$0	\$0	\$0
\$30,600	\$19,029	\$21,362	776.000 MAINTENANCE SUPPLIES	\$24,500	\$24,990	\$25,490	\$26,000	\$26,520
					\$0	\$0	\$0	\$0
\$13,599	\$15,955	\$28,738	811.000 CONTRACTUAL	\$50,000	\$51,000	\$52,020	\$53,060	\$54,122
					\$0	\$0	\$0	\$0
\$8,892	\$3,672	\$0	936.000 STRUCTURE MAINTENANCE	\$4,237	\$4,322	\$4,408	\$4,496	\$4,586
					\$0	\$0	\$0	\$0
\$10,703	\$26,430	\$24,450	937.000 EQUIPMENT MAINTENANCE	\$20,530	\$20,941	\$21,359	\$21,787	\$22,222
					\$0	\$0	\$0	\$0
		\$8,483	940.000 EQUIPMENT RENTAL	\$9,500	\$9,690	\$9,884	\$10,081	\$10,283
\$174,056	\$183,196	\$205,592	Dept.: 592.539 SEWERS	\$283,517	\$289,187	\$294,971	\$300,871	\$306,888

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
2021 ACTUAL	2022 ACTUAL	2023 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				2024	2025	2026	2027	2028
\$23,704	\$24,642	\$26,379	703.000 SALARIES/WAGES	\$44,282	\$45,168	\$46,071	\$46,992	\$47,932
				\$0	\$0	\$0	\$0	\$0
\$172	\$22	\$0	703.100 OVERTIME	\$2,400	\$2,448	\$2,497	\$2,547	\$2,598
				\$0	\$0	\$0	\$0	\$0
\$13,402	\$12,350	\$13,911	719.000 FRINGE BENEFITS	\$25,316	\$25,822	\$26,339	\$26,866	\$27,403
				\$0	\$0	\$0	\$0	\$0
\$2,039	\$3,384	\$1,460	726.000 PERSONNEL ADMINISTRATION	\$3,000	\$3,060	\$3,121	\$3,184	\$3,247
				\$0	\$0	\$0	\$0	\$0
\$1,546	\$1,020	\$1,027	752.000 OFFICE SUPPLIES	\$3,500	\$3,570	\$3,641	\$3,714	\$3,789
				\$0	\$0	\$0	\$0	\$0
\$2,843	\$3,320	\$3,616	788.000 UNIFORMS	\$3,450	\$3,519	\$3,589	\$3,661	\$3,734
				\$0	\$0	\$0	\$0	\$0
\$17,725	\$9,604	\$633,400	801.000 ENGINEERING	\$25,000	\$25,500	\$26,010	\$26,530	\$27,061
				\$0	\$0	\$0	\$0	\$0
\$10,596	\$9,320	\$6,144	802.000 LEGAL FEES	\$15,000	\$15,300	\$15,606	\$15,918	\$16,236
				\$0	\$0	\$0	\$0	\$0
\$1,875	\$323	\$276	802.010 LABOR ATTORNEY	\$8,000	\$8,160	\$8,323	\$8,490	\$8,659
				\$0	\$0	\$0	\$0	\$0
\$604	\$744	\$800	803.000 TRASH REMOVAL	\$800	\$816	\$832	\$849	\$866
				\$0	\$0	\$0	\$0	\$0
\$695	\$718	\$774	811.001 CONTRACTUAL - COMPUTER	\$10,000	\$10,200	\$10,404	\$10,612	\$10,824
				\$0	\$0	\$0	\$0	\$0
\$11,068	\$8,998	\$2,080	811.003 EGLE FEES	\$13,000	\$13,260	\$13,525	\$13,796	\$14,072
				\$0	\$0	\$0	\$0	\$0
\$2,250	\$3,647	\$3,276	824.000 TRAINING	\$4,000	\$4,080	\$4,162	\$4,245	\$4,330
				\$0	\$0	\$0	\$0	\$0
\$5,509	\$8,730	\$6,414	852.000 POSTAGE	\$8,600	\$8,772	\$8,947	\$9,126	\$9,309
				\$0	\$0	\$0	\$0	\$0
\$8,769	\$19,067	\$18,735	853.000 TELEPHONE/INTERNET	\$15,525	\$15,836	\$16,152	\$16,475	\$16,805
				\$0	\$0	\$0	\$0	\$0
\$2,603	\$3,305	\$3,932	900.000 PRINTING/PUBLISHING	\$2,500	\$2,550	\$2,601	\$2,653	\$2,706
				\$0	\$0	\$0	\$0	\$0
\$17,118	\$18,097	\$18,736	935.000 INSURANCE	\$19,634	\$20,027	\$20,427	\$20,836	\$21,253
				\$0	\$0	\$0	\$0	\$0
\$20,421	\$31,259	\$95	940.000 EQUIPMENT RENTAL	\$15,700	\$16,014	\$16,334	\$16,661	\$16,994
				\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	957.000 OPERATIONAL EXPENSE	\$0	\$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	\$0	974.007 CAPITALIZED ASSETS	\$0	\$0	\$0	\$0	\$0
				\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$2,250	977.001 PLANT EQUIP REPLACEMENT	\$0	\$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	\$0
\$0	\$0	\$0	991.000 DEBT-PRINCIPAL	\$0	\$0	\$0	\$0	\$0
				\$0	\$0	\$0	\$0	\$0
\$115,483	\$112,046	\$99,865	992.000 DEBT-INTEREST	\$0	\$0	\$0	\$0	\$0
				\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$35	993.000 DEBT-PAYING AGENT FEES	\$0	\$0	\$0	\$0	\$0
				\$0	\$0	\$0	\$0	\$0
		\$0	995.306 TRANSFER TO 2019 DEBT SERVICE	\$0	\$0	\$0	\$0	\$0
				\$0	\$0	\$0	\$0	\$0
\$12,500	\$12,500	\$12,500	995.661 TRANSFER TO EQUIPMENT OPERATING	\$12,500	\$12,500	\$12,750	\$13,005	\$13,265
				\$0	\$0	\$0	\$0	\$0
\$152,403	\$157,623	\$164,456	997.101 INDIRECT COST CHARGES	\$189,390	\$189,390	\$193,178	\$197,041	\$200,982
\$423,323	\$440,719	\$1,020,161	Dept.: 592.542 SEWER GENERAL EXPENSE	\$421,597	\$425,991	\$434,511	\$443,201	\$452,065

Grand Ledge Sewer

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2024

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		2011	15	13	2026	2	\$17,300	13%	\$1,153
ELECTRIC PANEL & CONTROLS	In O & M budget	2023	25	1	2048	24	\$1	96%	\$0
Loch Ledge									
(2) Pumps		2022	15	2	2023	-1	\$16,000	-100%	\$1,067
ELECTRIC PANEL & CONTROLS	In O & M budget	2024	25	0	2049	25	\$1	100%	\$0
Burt Ave									
(2) Pumps	In O & M budget	2016	15	8	2031	7	\$1	47%	\$0
ELECTRIC PANEL & CONTROLS	In O & M budget	2004	25	20	2023	-1	\$1	-5%	\$0
Whitney St									
(2) Pumps		2013	15	15	2028	4	\$18,000	27%	\$1,200
ELECTRIC PANEL & CONTROLS	In O & M budget	2018	25	6	2043	19	\$1	76%	\$0
(2) Motors	In O & M budget	2013	15	15	2028	4	\$1	27%	\$0
W River St									
Pump 1	NEW 2021	2021	15	3	2036	12	\$18,000	80%	\$1,200
PUMP 2	NEW 2021	2021	15	3	2036	12	\$18,000	80%	\$1,200
PUMP 3	NEW 2021	2021	15	3	2036	12	\$18,000	80%	\$1,200
MOTOR 1	In O & M budget	2017	15	7	2032	8	\$1	53%	\$0
MOTOR 2	In O & M budget	2021	15	3	2036	12	\$1	80%	\$0
MOTOR 3	In O & M budget	2011	15	13	2026	2	\$1	13%	\$0
(3) Check Valve 6" - 900 EACH	In O & M budget	1990	35	34	2025	1	\$1	3%	\$0
Control Panel Allen Brady	In O & M budget	2010	20	14	2030	6	\$1	30%	\$0
Electric Panel/Gear	In O & M budget	2010	20	14	2030	6	\$1	30%	\$0
(3) VFD	2 REPLACED IN 2016	2016	15	8	2031	7	\$25,000	47%	\$1,667
Mag/Flowmeter	In O & M budget	2010	20	14	2030	6	\$1	30%	\$0
Overflow Mag	In O & M budget	2010	25	14	2035	11	\$1	44%	\$0
Generator	Portable	1990	40	34	2030	6	\$50,000	15%	\$1,250
Confined Space Hoist/System	In O & M budget	2016	20	8	2036	12	\$1	60%	\$0
BUILDING MAINT - ROOF & HEAT ETC		2015	20	9	2035	11	\$15,000	55%	\$750
Generator Stationary		1995	40	29	2035	11	\$50,000	28%	\$1,250
W Jefferson St									
(2) Pumps		2006	20	18	2026	2	\$70,000	10%	\$3,500
Generator		2006	35	18	2041	17	\$80,000	49%	\$2,286
(2) Check Valves	In O & M budget	2006	25	18	2031	7	\$1	28%	\$0

Grand Ledge Sewer

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2024

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
(2) VFD Cutler Hammer SUX 9000		2006	20	18	2026	2	\$18,000	10%	\$900
(3) Valves Butterfly		2006	25	18	2031	7	\$14,700	28%	\$588
Mag Flowmeter	In O & M budget	2006	20	18	2026	2	\$1	10%	\$0
Controls Multismart	In O & M budget	2006	20	18	2026	2	\$1	10%	\$0
Electric Gear/Panels	In O & M budget	2006	25	18	2031	7	\$1	28%	\$0
Fitzgerald Field									
(2) Pumps		1995	30	29	2023	-1	\$10,300	-4%	\$343
Controls	In O & M budget	2018	20	6	2038	14	\$1	70%	\$0
							\$438,320	38%	\$ 19,555

**Grand Ledge Sewer
EQUIPMENT REPLACEMENT PAGE 2**

2024

MID-TERM ASSETS 15-30 YEARS

**ANNUAL
RESERVE**

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		2010	20	14	2030	6	\$70,000	70%	\$3,500
Washing Screw Compactor		2010	20	14	2030	6	\$45,000	70%	\$2,250
Controls		2010	20	14	2030	6	\$30,000	100%	\$1,500
Recycle Pump	In O & M budget	2011	20	13	2031	7	\$1	65%	\$0
Electric Controls	In O & M budget	2011	20	13	2031	7	\$1	65%	\$0
Gas Detectors	In O & M budget	2011	20	13	2031	7	\$1	100%	\$0
Exhaust Fan	In O & M budget	2011	20	13	2031	7	\$1	65%	\$0
Chlorine Tablet	In O & M budget	2011	20	13	2031	7	\$1	65%	\$0
Muffin Monster		2011	20	13	2031	7	\$20,000	100%	\$1,000
MAINTENANCE BLD - ROOF ETC.		2011	20	13	2031	7	\$40,000	65%	\$2,000
ELECTRICAL PANELS		2011	25	13	2036	12	\$30,000	52%	\$1,200
Grit Building									
Sampler for Influent	In O & M budget								
Grit Blower and 10 H.P. Motor		2011	15	13	2026	2	\$22,500	87%	\$1,500
Exhaust Fan	In O & M budget	2011	20	13	2031	7	\$1	65%	\$0
Parshall Flume	In O & M budget	2011	30	13	2041	17	\$1	43%	\$0
Influent Flow Meter	In O & M budget	2011	15	13	2026	2	\$1	87%	\$0
Chlorine Room									
Chlorine Pace Unit	In O & M budget	2019	10	5	2029	5	\$1	50%	\$0
(2) Chlorine Regulators	In O & M budget	2018	10	6	2028	4	\$1	60%	\$0
Chlorine Gas Leak Detector	In O & M budget	2011	15	13	2026	2	\$1	87%	\$0
Final Effluent Flow Meter	In O & M budget	2011	10	13	2023	-1	\$1	108%	\$0
Pump Room									
1 Lobe Pro Sludge Pumps 15 H.P. 1		2018	10	6	2028	4	\$18,000	60%	\$1,800
1 Lobe Pro Sludge Pumps 15 H.P. 2		2019	10	5	2029	5	\$18,000	50%	\$1,800
Return Pumps 15 H.P. 1		2020	12	4	2032	8	\$30,000	33%	\$2,500
Return Pumps 15 H.P. 2		2020	12	4	2032	8	\$30,000	33%	\$2,500
Return Pumps 15 H.P. 3		2013	12	11	2025	1	\$30,000	92%	\$2,500
(2) Effluent Pumps 10 H.P.	In O & M budget	2012	20	12	2032	8	\$1	60%	\$0
Power Valve	In O & M budget	2014	10	10	2024	0	\$1	100%	\$0
(3) "Mags" Return Sludge Waste	ONE REPLACED ON WAS 2019	2009	15	15	2024	0	\$15,000	100%	\$1,000
Cummins Diesel Powered Generator - NEW 2011 40 YRS		2011	30	13	2041	17	\$175,000	43%	\$5,833
Intermediate Lift Station									
(3) 15 H.P. Submersible Pumps		2011	20	13	2031	7	\$48,000	65%	\$2,400
Hoist for Pump Service	In O & M budget	2011	30	13	2041	17	\$1	43%	\$0
Electric Panel and Controls		2011	20	13	2031	7	\$15,000	65%	\$750
Primary Tanks (2)									
Flight Drive		2020	30	4	2050	26	\$30,000	13%	\$1,000
Cross Screws		1975	46	49	2023	-1	\$12,500	102%	\$272
Replacement Chain/Flights		2009	15	15	2024	0	\$22,140	100%	\$1,476
							\$872,155		\$ 48,182

Grand Ledge Sewer EQUIPMENT REPLACEMENT PAGE 3									ANNUAL RESERVE
2024									
FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							REPLACEMENT MONEY RESERVED ANNUALLY
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	
Final Clarifier Drives									
(1) Final Drive Gearbox/Clarifier		2017	45	7	2062	\$125,000	84%	16%	\$2,778
(1) Final Drive Gearbox/Clarifier		2018	45	6	2063	\$125,000	87%	13%	\$2,778
Chemical Feed Room									
	In O & M budget								
Lime Pumps 1	In O & M budget	2009	15	15	2024	\$1	0%	100%	\$0
Lime Pumps 2	In O & M budget	2000	15	24	2015	\$1	-60%	160%	\$0
Ferric Pumps (2)	In O & M budget								
Bisulfite Pumps		2011	15	13	2026	\$1	13%	87%	\$0
5,000 Gallon Ferric Tanks (2)	In O & M budget	2002	20	22	2022	\$27,942	-10%	110%	\$1,397
Pulse Dampeners for Lime Pumps (2)	In O & M budget								
Lime Dust Collector		2013	40	11	2023	\$1	-10%	110%	\$0
Lab Equipment	In O & M budget	2004	40	20	2044	\$1	50%	50%	\$0
Spectrophotometer	In O & M budget	2016	10	8	2026	\$1	20%	80%	\$0
"Top Loader" Scale	In O & M budget		20						
"Door Scale"	In O & M budget	2024	20	0	2023	\$1	100%	0%	\$0
Drying Oven	In O & M budget	2019	20	5	2039	\$1	75%	25%	\$0
pH Meter	In O & M budget	2016	10	8	2026	\$1	20%	80%	\$0
Muffle Furnace	In O & M budget	2017	10	7	2027	\$1	30%	70%	\$0
BOD Incubator	In O & M budget	2014	15	10	2029	\$1	33%	67%	\$0
Autoclave	In O & M budget	2012	15	12	2027	\$1	20%	80%	\$0
BOD Meter	In O & M budget	2017	8	7	2025	\$1	13%	88%	\$0
Water Softener	In O & M budget	2000	20	24	2023	\$1	-4%	104%	\$0
Primary Sampler	In O & M budget	2010	15	14	2025	\$1	7%	93%	\$0
Final Sampler	In O & M budget	2008	15	16	2023	\$1	-7%	107%	\$0
Scada Computer	In O & M budget	2020	1	4	2023	\$1	-33%	133%	\$1
Scada Computer "Backup"	In O & M budget	2020	7	4	2027	\$1	43%	57%	\$0
SCADA SOFTWARE		2020	20	4	2040	\$50,000	80%	20%	\$2,500
Miscellaneous	In O & M budget								
Heat and A/C Unit for WWTP on Roof		2010	20	14	2030	\$35,000	30%	70%	\$1,750
ROOF - MAIN WWTP BUILDING		2019	20	5	2039	\$35,000	75%	25%	\$1,750
Vehicles									
Vactor		2022	10	2	2033	\$470,000	82%	18%	\$47,000
Camera Truck		2013	15	11	2028	\$120,000	27%	73%	\$8,000
2017 Dodge PICKUP INCLUDES PLOW & SERVICE BODY	In O & M budget	2017	8	7	2025	\$68,000	13%	88%	\$8,500
Crane/Hoist		2014	20	10	2034	\$1	50%	50%	\$0
ROOFS - GRIT, INTERMEDIATE LS, VALVE, CONTROL BLD		1997	20	27	2023	\$15,000	-4%	104%	\$750
						\$1,070,961	30%		\$ 77,205

Grand Ledge Sewer	2024		
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CAPITAL IMPROVEMENT PROJECTS SUMMARY	PERCENT DOWNPAYMENT	10%
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CAPITAL IMPROVEMENT IDEAS WERE GENERATED FROM	
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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
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Green St. Reconstruction	\$227,000	\$227,000	\$0	2024		
WWTP Engineering	\$0	\$0	\$0	2024		
Infiltration Inflow and reduction	\$941,000	\$941,000	\$0	2026		\$470,500
WWTP Expansion (\$52,270,000)	\$52,270,000	\$500,000	\$51,770,000	2025		\$500,000
Belknap Reconstruction	\$290,000	\$290,000	\$0	2027		\$96,667
Union Street Phase 1 (Clinton to Church)	\$445,000	\$445,000	\$0	2026		\$222,500
W Jefferson force main/W River Lift Station	\$0	\$0	\$0	2026		\$0
Spring St Reconstruction	\$259,000	\$259,000	\$0	2028		\$64,750
Colonial Park Reconstruction	\$237,000	\$237,000	\$0	2030		\$39,500
Whitney Lift Station	\$2,000,000	\$0	\$2,000,000	2029		\$0
Industrial park lift station	\$1,150,000	\$1,150,000	\$0	2029		\$230,000
Union Street Phase 2 (Church to Whitney)	\$445,000	\$445,000	\$0	2029		\$89,000
W. Colonial Park	\$288,000	\$288,000	\$0	2033		\$32,000
W. South Reconstruction	\$325,000	\$325,000	\$0	2032		\$40,625
Jackson	\$230,000	\$230,000	\$0	2033		\$25,556

\$59,107,000	\$5,337,000	\$53,770,000			\$1,811,097
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Grand Ledge Sewer				
	CURRENT	NEW	DIFFERENCE	
PER 1,000 GAL.	\$9.53	\$9.86	\$0.33	
2024				
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	\$31.83	\$48.59	1.00	\$16.76
1	\$79.58	\$121.49	2.50	\$41.91
1 1/2	\$159.15	\$242.97	5.00	\$83.82
2	\$254.64	\$388.74	8.00	\$134.10
3	\$509.28	\$728.90	15.00	\$219.62
4	\$795.75	\$1,214.83	25.00	\$419.08
6	\$1,591.50	\$2,429.65	50.00	\$838.15
8	\$2,546.40	\$3,887.44	80.00	\$1,341.04

Oneida Twp Sewer	
CURRENT	NEW
\$9.53	\$9.86
CURRENT	NEW
READY TO SERVE PER MONTH	READY TO SERVE PER MONTH
\$31.83	\$48.59
\$79.58	\$121.49
\$159.15	\$242.97
\$254.64	\$388.74
\$509.28	\$728.90
\$795.75	\$1,214.83
\$1,591.50	\$2,429.65
\$2,546.40	\$3,887.44

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR	2024			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	\$854,013	10%	\$88,817	\$1.81	\$765,196	\$4.099
Dept.: 592.538 LIFT STATION	\$84,650	10%	\$8,804	\$0.18	\$75,846	\$0.406
Dept.: 592.539 SEWERS	\$283,517	10%	\$29,486	\$0.60	\$254,031	\$1.361
Dept.: 592.542 SEWER GENERAL EXPENSE	\$421,597	10%	\$43,846	\$0.89	\$377,751	\$2.024
OPERATION & MAINTENANCE EXPENSES	\$1,643,777		\$170,953	\$3.47	\$1,472,824	\$7.890
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS						
2014 Refunded complete 2025	\$217,882	100%	\$217,882	\$4.43	\$0	\$0.00
2019 Capital Improvement Bonds complete 2034	\$146,978	100%	\$146,978	\$2.99	\$0	\$0.00
2009 Bonds Complete 2029	\$224,227	100%	\$224,227	\$4.56	\$0	\$0.00
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$589,087		\$589,087	\$11.97	\$0	\$0.00
ANNUAL O & M + DEBT	\$2,232,864		\$760,040	\$15.45	\$1,472,824	\$7.89
RESERVES						
EQUIPMENT REPLACEMENT & RESERVE REQUIREMENTS	\$165,500		\$17,212	\$0.35	\$148,288	\$0.79
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$279,704	10%	\$29,089	\$0.59	\$250,615	\$1.34
WWTP First Payment 2026 FY24, 25, 26	\$1,588,373	100%	\$1,588,373	\$32.28		\$0.00
CAPITAL + EQUIPMENT & WWTP expansion	\$2,033,577		\$1,634,674	\$33.22	\$398,903	\$2.14
ADOPTED BUDGET	\$4,266,441		\$2,394,714		\$1,871,727	
		10.40%	56%		44%	
REVENUE COLLECTED CALCULATED RATES	\$4,231,441		\$2,391,074		\$1,840,367	
REVENUE COLLECTED CURRENT RATES	\$3,434,090					
CALCULATED RATE PER METER EQUIVALENT			PER MONTH	\$48.59	RATE PER 1,000 GAL.	\$9.86
ANNUAL METER EQUIVALENTS / REU'S COUNT 49,206			CURRENT RATES	\$31.83		\$9.53
ANTICIPATED EQUIVALENT GALLONS / UNITS 186,670			PERCENT INCREASE	52.7%		3.5%
INVOICES PER YEAR 12			INCREASE OF	\$16.76		\$0.33

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

<i>Grand Ledge Sewer</i>							
<u>CURRENT RATES</u>			<u>NEW / CALCULATED RATES</u>				
<i>RTS</i>		\$31.83	\$48.59				
<i>COST PER UNIT</i>		\$9.53	\$9.86				
<i>COST PER UNIT OF WATER</i>		\$9.86	<i>MONTHLY</i>				<i>\$ PER 1,000 GAL.</i>
<i>METER SIZE IN INCHES</i>	<i>GALLONS USED</i>	<i>VOLUME CHARGE</i>	<i>BASE RATE CHARGE</i>	<i>NEW BILL</i>	<i>OLD BILL</i>	<i>CHANGE IN BILL</i>	<i>PERCENT INCREASE</i>
3/4	1,000	\$9.86	\$48.59	\$58.45	\$41.36	\$17.09	41.3%
3/4	3,000	\$29.58	\$48.59	\$78.17	\$60.42	\$17.75	29.4%
3/4	4,000	\$39.44	\$48.59	\$88.03	\$69.95	\$18.08	25.8%
3/4	6,000	\$59.15	\$48.59	\$107.75	\$89.01	\$18.74	21.1%
3/4	10,000	\$98.59	\$48.59	\$147.18	\$127.13	\$20.05	15.8%

1	50,000	\$492.95	\$121.49	\$614.44	\$556.08	\$58.36	10.5%
1 1/2	75,000	\$739.42	\$242.97	\$982.39	\$873.90	\$108.49	12.4%
2	100,000	\$985.90	\$388.74	\$1,374.64	\$1,207.64	\$167.00	13.8%
3	200,000	\$1,971.79	\$728.90	\$2,700.69	\$2,415.28	\$285.41	11.8%
4	300,000	\$2,957.69	\$1,214.83	\$4,172.51	\$3,654.75	\$517.76	14%
6	400,000	\$3,943.58	\$2,429.65	\$6,373.24	\$5,403.50	\$969.74	18%
8	500,000	\$4,929.48	\$3,887.44	\$8,816.92	\$7,311.40	\$1,505.52	21%