

Village of Lake Orion Sanitary Sewer System**CURRENT RATE CHARGES & NUMBER OF CUSTOMERS**Customers Are Invoice **QUARTERLY PER****CURRENT CHARGES RATE CLASS 1****Village of Lake Orion Sanitary Sewer System**

TYPE OF UNITS INVOICED	100 CUFT	NOTES		
COST PER 100 CUBIC FT.	\$7.17			
INVOICES PER YEAR	4			
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE \$	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	\$98.96	1020	4	\$403,757
1			4	\$0
1 1/2			4	\$0
2			4	\$0
3			4	\$0
4			4	\$0
6			4	\$0
8			4	\$0
10			4	\$0
12			4	\$0
TOTALS		1020		\$403,757

NAME OF PERSON PROVIDING # OF METERS
COUNT

Wesley Sanchez

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

WAS A REPORT USED TO GENERATE THIS DATA?	Yes BSA
WAS REPORT COPIED INTO THIS FILE?	Yes BSA

Current Rate Charges

Currently customers are charged based on two factors
Consumption Charge, Which is based on gallons of water that goes through the customer's water meter.

A "Base Rate" or "RTS" charge based on the size of the customers water meter, which is listed in inches. Customers are invoiced on a quarterly basis. The number of meters listed above does NOT include irrigation meters which are not invoiced a "Base Rate" charge.

THIS PAGE USES THE CURRENT RATE CHARGES AND CALCULATES THE REVENUE GENERATED BASED ON THE CURRENT RATES AND THE NUMBER OF CUSTOMERS AND UNITS OF WATER ENTERED INTO THE PROGRAM. IF ALL DATA IS CORRECT THE CALCULATED RATES SHOWN AT THE BOTTOM OF THE PAGE SHOULD BE RELATIVELY CLOSE TO THE ACTUAL REVENUE COLLECTED LAST YEAR.

CURRENT REVENUE BASED ON CURRENT RATE CHARGES

Village of Lake Orion Sanitary Sewer System			Sewer multi Commercial	RATE CLASS 3	RATE CLASS 4	RATE CLASS 5	RATE CLASS 6	2025
	Village of Lake Orion Sanitary Sewer System	Sewer Multi Commercial	\$0.00	\$0.00	\$0.00	\$0.00		REVENUE
	New Cost per Unit of Water Sold						NEW RATES	
\$ PER 100 CUFT	\$7.170	\$7.170	\$7.170	\$7.170	\$7.170	\$7.170		
UNITS Sold	53,465	29,132	0	0	0	0	82,597	
Income	\$383,345	\$208,876	\$0	\$0	\$0	\$0	\$592,221	
PERCENT OF USAGE	65%	35%	0%	0%	0%	0%		
PERCENT REVENUE	65%	35%	0%	0%	0%	0%		
METER SIZE	NEW BASE RATE PER QUARTER							
3/4	\$98.960	\$99.040	\$0.000	\$0.000	\$0.000	\$0.000		
NO. CUSTOMERS	1,020	109	0	0	0	0		
INVOICES PER YEAR	4	4	4	4	4	4		
ANNUAL INVOICES	4,080	436	0	0	0	0		
INCOME	\$403,756.80	\$43,181.44	\$0.00	\$0.00	\$0.00	\$0.00	\$446,938	
1	\$0.00	\$176.07	\$0.00	\$0.00	\$0.00	\$0.00		
NO. CUSTOMERS	0	29	0	0	0	0		
INVOICES PER YEAR	4	4	4	4	4	4		
ANNUAL INVOICES	0	116	0	0	0	0		
INCOME	\$0.00	\$20,424.12	\$0.00	\$0.00	\$0.00	\$0.00	\$20,424	
1 1/2	\$0.00	\$396.15	\$0.00	\$0.00	\$0.00	\$0.00		
NO. CUSTOMERS	0	19	0	0	0	0		
INVOICES PER YEAR	4	4	4	4	4	4		
ANNUAL INVOICES	0	76	0	0	0	0		
INCOME	\$0.00	\$30,107.40	\$0.00	\$0.00	\$0.00	\$0.00	\$30,107	
2	\$0.00	\$704.26	\$0.00	\$0.00	\$0.00	\$0.00		
NO. CUSTOMERS	0	11	0	0	0	0		
INVOICES PER YEAR	4	4	4	4	4	4		
ANNUAL INVOICES	0	44	0	0	0	0		
INCOME	\$0.00	\$30,987.44	\$0.00	\$0.00	\$0.00	\$0.00	\$30,987	
3	\$0.00	\$1,584.59	\$0.00	\$0.00	\$0.00	\$0.00		
NO. CUSTOMERS	0	3	0	0	0	0		
INVOICES PER YEAR	4	4	4	4	4	4		
ANNUAL INVOICES	0	12	0	0	0	0		
INCOME	\$0.00	\$19,015.08	\$0.00	\$0.00	\$0.00	\$0.00	\$19,015	
CURRENT Fixed Income "RTS"							\$547,472	
CURRENT VOLUME "UNITS WATER INVOICED" INCOME							\$592,221	
CURRENT INCOME - GENERATED WITH CURRENT RATES RTS & UNITS INVOICED							\$1,139,693	
LAST YEARS NON-SALES INCOME							\$45,000	
LAST YEARS CALCULATED COMBINED INCOME							\$1,184,693	

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)				Village of Lake Orion Sanitary Sewer System	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	PERCENT INCREASE FROM PREVIOUS YEAR
						PROJECTED BUDGET	
2022/2023 ACTUAL	2023/2024 ACTUAL	2024/2025 ACTUAL	ACCT #	ANNUAL PERCENT INCREASE		3.00%	
				OPERATING EXPENSES	2025	2026	3.00%
\$0	\$0	\$45	592-548-722-000	Worker's Comp. Insurance	\$34	\$35	3.00%
\$435	\$901	\$840	592-548-726-000	Supplies	\$840	\$865	3.00%
\$13,680	\$28,316	\$18,955	592-548-801-000	Contract Services	\$504,872	\$520,018	3.00%
\$0	\$0	\$0	592-548-813-000	Legal Service	\$0	\$0	3.00%
\$876,241	\$990,887	\$946,480	592-548-831-000	Sewage Disposal Costs	\$577,778	\$595,111	3.00%
\$52	\$0	\$0	592-548-956-000	Dues & Miscellaneous	\$0	\$0	3.00%
\$0	\$0	\$335,127	592-548-965-490	TRF OUT SEWER CONTRUCTION FUND	\$0	\$0	3.00%
\$0	\$0	\$5,803	592-548-975-001	Capital Improvements - SAW	\$5,803	\$5,977	3.00%
\$9,545	(\$0)	\$69,707	592-548-992-000	DRAIN BOND PRINCIPAL	\$68,129	\$70,173	3.00%
\$7,393	\$59,307	\$23,713	592-548-995-000	Bond Interest	\$20,527	\$21,143	3.00%
\$3,500	\$3,995	\$3,500	592-260-805-000	Audit Fees	\$3,500	\$3,605	3.00%
\$0	\$0	\$0	592-260-823-001	Municipal Software		\$0	3.00%
\$1,356	\$2,334	\$2,451	592-260-852-000	Miss Dig	\$1,000	\$1,030	3.00%
\$116,700	\$121,368	\$127,436	592-260-959-000	Financial Administration	\$63,808	\$65,722	3.00%
\$128,642	\$128,642	\$136,500	592-560-968-000	Sewer Depreciation	\$136,500	\$140,595	3.00%
						\$0	3.00%
						\$0	3.00%
						\$0	3.00%
\$1,157,544	\$1,335,749	\$1,670,557		TOTAL	\$1,382,791	\$1,424,275	

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

YEAR 3	PERCENT INCREASE FROM PREVIOUS YEAR	YEAR 4	YEAR 5
PROJECTED BUDGET		PROJECTED BUDGET	PROJECTED BUDGET
3.00%		3.00%	3.00%
2027	3.00%	2028	2029
\$36	3.00%	\$37	\$38
\$891	3.00%	\$918	\$945
\$535,619	3.00%	\$551,687	\$568,238
\$0	3.00%	\$0	\$0
\$612,965	3.00%	\$631,354	\$650,294
\$0	3.00%	\$0	\$0
\$0	3.00%	\$0	\$0
\$6,156	3.00%	\$6,341	\$6,531
\$72,278	3.00%	\$74,446	\$76,680
\$21,777	3.00%	\$22,430	\$23,103
\$3,713	3.00%	\$3,825	\$3,939
\$0	3.00%	\$0	\$0
\$1,061	3.00%	\$1,093	\$1,126
\$67,694	3.00%	\$69,725	\$71,816
\$144,813	3.00%	\$149,157	\$153,632
\$0	3.00%	\$0	\$0
\$0	3.00%	\$0	\$0
\$0	3.00%	\$0	\$0
\$1,467,003		\$1,511,013	\$1,556,343

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

	Village of Lake Orion Sanitary Sewer System					YEAR 2	YEAR 3	YEAR 4	YEAR 5
ACCOUNT #	NON-SALES & OTHER REVENUE	2022/2023 ACTUAL	2023/2024 ACTUAL	2024/2025 ACTUAL	2025	2026	2027	2028	2029
592-000-620-000	Sewer Penalty Fees	\$15,144	\$12,771	\$12,000	\$15,000				
592-000-664-000	Sewer Interest Earned	\$22,128	\$29,303	\$49,371	\$30,000				
	TOTAL INCOME (NON SALES)	\$37,272	\$42,074	\$61,371	\$45,000	\$0	\$0	\$0	\$0
	AVERAGE NON SALES INCOME		\$39,673	\$46,906	\$46,429	\$37,111	\$26,593	\$11,250	\$0
	Portion of (Non Sales) Revenue Guaranteed :				\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
	Percent Applied Towards Fixed Rate RTS Charge - PERCENT applied per REU				45%	45%	45%	45%	45%
	ANNUAL DOLLARS APPLIED TOWARDS FIXED BUDGET - BASE RATE - RTS				\$15,750	\$15,750	\$15,750	\$15,750	\$15,750
	TOTAL ANNUAL RESIDENTIAL EQUIVALENT UNITS "REU'S"				5,532	5,532	5,532	5,532	5,532
	REDUCTION PER REU PER BILLING PERIOD				\$2.85	\$2.85	\$2.85	\$2.85	\$2.85
	ANNUAL DOLLARS APPLIED TOWARDS VARIABLE BUDGET - PER UNIT				\$19,250	\$19,250	\$19,250	\$19,250	\$19,250
	ANNUAL UNITS OF WATER OR SEWER INVOICED				82,597	82,597	82,597	82,597	82,597
	REDUCTION PER UNIT OF WATER OR SEWER				\$0.23	\$0.23	\$0.23	\$0.23	\$0.23
THIS REVENUE WILL BE RE-APPLIED BACK TO THE WATER BUDGET WHICH WILL LOWER THE RATES.									

Village of Lake Orion Sanitary Sewer S
2025
DEBT SCHEDULE / AMORTIZATION SCHEDULE PRINCIPAL & INTEREST

FISCAL YEAR STARTING		1	2	3	4	5	6	7	8	9	10
		2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Water and Sewage Disposal System Revenue Bonds		\$304,667	\$303,666	\$293,827	\$292,327	\$290,577	\$288,577	\$286,327	\$283,827	\$286,077	\$282,827
Sanitary pump; station improvements											
DATE OF ISSUE	2025										
DATE OF MATURITY	2036										
PAID BY RATES	YES										
RESERVE REQUIREMENT	YES										
TOTAL CURRENT ANNUAL DEBT PAYMENTS		\$304,667	\$303,666	\$293,827	\$292,327	\$290,577	\$288,577	\$286,327	\$283,827	\$286,077	\$282,827
ESTIMATED COST PER REU		\$55.07	\$54.89	\$53.11	\$52.84	\$52.52	\$52.16	\$51.76	\$51.30	\$51.71	\$51.12
EXISTING + NEW		\$304,667	\$303,666	\$293,827	\$292,327	\$290,577	\$288,577	\$286,327	\$283,827	\$286,077	\$282,827

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR	2025				RTS CHARGE			VOLUME CHARGE
Village of Lake Orion Sanitary Sewer System	ANNUAL BUDGET	PERCENT FIXED EXPENSES	ASSIGNED AS FIXED EXPENSES	ANTICIPATED ANNUAL METER EQUIVALENTS	COST PER METER EQUIVALENT	ASSIGNED AS VARIABLE EXPENSES	ANTICIPATED EQUIVALENT UNITS	\$ COST PER 100 CUBIC FEET
OPERATING EXPENSES	\$1,382,791	45%	\$622,256	5,532	\$112.48	\$760,535	82,597	\$9.208
OPERATION & MAINTENANCE EXPENSES	\$1,382,791		\$622,256		\$112.48	\$760,535		\$9.208
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS								
Water and Sewage Disposal System Revenue Bonds	\$304,667	100.00%	\$304,667	5,532	\$55.07	\$0	82,597	\$0.00
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$304,667		\$304,667		\$55.07	\$0		\$0.00
ANNUAL O & M + DEBT	\$1,687,458		\$926,923		\$167.55	\$760,535		\$9.21
			55%			45%		
NON SALES INCOME	\$35,000	45%	\$15,750		\$2.85	\$19,250		\$0.233
REVENUE COLLECTED THROUGH RATES	\$1,652,458		\$911,173			\$741,285		
CALCULATED RATE O & M + DEBT	METER EQUIVALENT	QUARTER			\$164.70			\$8.97
			CURRENT RATE		\$98.96			\$7.17
ADOPTED BUDGET	\$1,687,458		\$926,923	5,532		\$760,535	82,597	
		45.00%	55%			45%		
REVENUE COLLECTED CALCULATED RATES	\$1,652,458		\$911,173			\$741,285		
REVENUE COLLECTED CURRENT RATES	\$1,139,693							
CALCULATED RATE PER METER EQUIVALENT					PER QUARTER	\$164.70	RATE PER 100 CUFT	\$8.97
ANNUAL METER EQUIVALENTS / REU'S COUNT 5,532	CURRENT RATES				\$98.96	\$7.17		
ANTICIPATED EQUIVALENT GALLONS / UNITS 82,597	PERCENT INCREASE				66.43%	25.17%		
INVOICES PER YEAR 4	INCREASE OF				\$65.74	\$1.80		
TOTAL NUMBER OF CUSTOMERS / METERS 1,191	Sewer Multi Commercial				\$164.83	\$8.97		
ANTICIPATED UNITS INVOICED 8,259,709								
GALLONS USED 4,000								
AMOUNT OF BILL \$299.32								
PERCENT INCREASE 45%					EVERY MILLION GALLONS GENERATES REVENUE OF			
				\$8,975				
NOTES	PERCENT RESERVE	0.0%						

TYPICAL BILL COMPARISON USING NEW RATES

Village of Lake Orion Sanitary Sewer System

CURRENT RATES

NEW / CALCULATED RATES

RTS \$98.96

\$164.70

COST PER UNIT \$7.17

\$8.97

COST PER UNIT OF
WATER \$8.97

QUARTERLY

METER SIZE IN INCHES	CUBIC FT USED	VOLUME CHARGE	BASE RATE CHARGE	NEW BILL	OLD BILL	CHANGE IN BILL	PERCENT INCREASE
3/4	300	\$26.92	\$164.70	\$191.63	\$120.47	\$71.16	59.1%
3/4	800	\$71.80	\$164.70	\$236.50	\$156.32	\$80.18	51.3%
3/4	1,500	\$134.62	\$164.70	\$299.32	\$206.51	\$92.81	44.9%
3/4	2,500	\$224.37	\$164.70	\$389.07	\$278.21	\$110.86	39.8%
3/4	3,500	\$314.11	\$164.70	\$478.82	\$349.91	\$128.91	36.8%

1	10,000	\$897.47	\$292.80	\$1,190.27	\$717.00	\$473.27	66.0%
1 1/2	15,000	\$1,346.21	\$658.80	\$2,005.01	\$1,075.50	\$929.51	86.4%
2	25,000	\$2,243.68	\$1,171.21	\$3,414.88	\$1,792.50	\$1,622.38	90.5%
3	50,000	\$4,487.35	\$2,635.22	\$7,122.57	\$3,585.00	\$3,537.57	98.7%
4	100,000	\$8,974.71	\$0.00	\$8,974.71	\$7,170.00	\$1,804.71	25%
6	600,000	\$53,848.26	\$0.00	\$53,848.26	\$43,020.00	\$10,828.26	25%
8	1,000,000	\$89,747.10	\$0.00	\$89,747.10	\$71,700.00	\$18,047.10	25%
10	229,492	\$20,596.24	\$0.00	\$20,596.24	\$16,454.58	\$4,141.67	25%

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

12	1,500,000	\$134,620.65	\$0.00	\$134,620.65	\$107,550.00	\$27,070.65	25%
GALLONS INCLUDED MIN BILL				0	0		