

Village of Lake Orion Water System				
CURRENT RATE CHARGES & NUMBER OF CUSTOMERS				
Customers Are Invoiced QUARTERLY PER				
CURRENT CHARGES RATE CLASS 1				
Village of Lake Orion Water System				
TYPE OF UNITS INVOICED	100 CUFT	NOTES		
COST PER 100 CUBIC FT.	\$6.78			
INVOICES PER YEAR	4			
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE \$	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	\$79.98	1209	4	\$386,783
1	\$99.98	253	4	\$101,180
1 1/2	\$279.92	30	4	\$33,590
2	\$535.85	16	4	\$34,294
3	\$1,199.74	4	4	\$19,196
4			4	\$0
6			4	\$0
8			4	\$0
10			4	\$0
12			4	\$0
TOTALS		1512		\$575,044
NAME OF PERSON PROVIDING # OF METERS COUNT		Wesley Sanchez		
WAS A REPORT USED TO GENERATE THIS DATA?		Yes BSA attached		
WAS REPORT COPIED INTO THIS FILE?		Yes BSA attached		

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.

Village of Lake Orion Water System

WATER OR SEWAGE INVOICED TO CUSTOMERS

USAGE REPORTED IN CUBIC FEET

USAGE REPORTED IN FISCAL YEARS

FISCAL YEAR ENDING IN YEAR OF

	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	COST PER UNIT	REVENUE	PERCENT OF USE	AVERAGE	MAX. YEAR	MIN. YEAR	PERCENT DIFFERENCE FROM MAX. TO MIN. YEAR	ANTICIPATED PERCENT DECREASE NEXT YEAR	UNITS USED IN RATE EVALUATION
Village of Lake Orion Water System	12,326,613	12,156,524	11,582,298	13,197,328	10,920,877	\$6.78	\$740,435	100.0%	12,036,728	13,197,328	10,920,877	17%	0.0%	10,920,877
TOTALS	12,326,613	12,156,524	11,582,298	13,197,328	10,920,877		\$740,435		12,036,728	13,197,328	10,920,877	17%		10,920,877
WHO PROVIDED UNITS INVOICED REPORT: Wesley Sanchez														
WAS THE REPORT COPIED INTO THIS EXCEL FILE?: Yes BSA file														
WAS AN ELECTRONIC COPY OF THE ORIGINAL KEPT?: Yes BSA file														
									GALLONS OF REDUCTION					0
														10,920,877

☐ CHECK BOX TO CONFIRM THAT UNITS USED FOR EVALUATION WAS DISCUSSED AND CHOSEN BY COMMUNITY

The Volumes listed above are only those gallons that are a revenue source.
The gallons listed above were generated by the COMMUNITY. The COMMUNITY takes full responsibility for the accuracy of these numbers and the anticipated units of water invoiced used to calculate the user rates.

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)				Village of Lake Orion Water System	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
						PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET
						ANNUAL PERCENT INCREASE	4.00%	4.00%	4.00%
2022/2023 ACTUAL	2023/2024 ACTUAL	2024/2025 ACTUAL	ACCT #	OPERATING EXPENSES	2025	2026	2027	2028	2029
\$52,077	\$61,861	\$63,717	592-556-701-000	Wages	\$66,266	\$68,917	\$71,673	\$74,540	\$77,522
\$1,994	\$5,250	\$5,250	592-556-701-013	Overtime	\$4,000	\$4,160	\$4,326	\$4,499	\$4,679
\$4,032	\$51,345	\$5,289	592-556-715-000	Social Security	\$5,289	\$5,501	\$5,721	\$5,949	\$6,187
\$10,982	\$13,200	\$13,860	592-556-716-000	Health Insurance- Medical	\$13,860	\$14,414	\$14,991	\$15,591	\$16,214
\$541	\$745	\$782	592-556-717-000	Life - Disability Insurance	\$1,111	\$1,156	\$1,202	\$1,250	\$1,300
\$1,161	\$1,260	\$1,323	592-556-718-000	Dental Insurance	\$1,596	\$1,660	\$1,726	\$1,795	\$1,867
\$88,009	\$88,732	\$88,732	592-556-719-000	Pension	\$92,281	\$95,972	\$99,811	\$103,804	\$107,956
\$205	\$263	\$276	592-556-721-000	Vision Care	\$274	\$285	\$296	\$308	\$320
\$0	\$2,500	\$2,625	592-556-722-000	Worker's Comp. Insurance	\$2,600	\$2,704	\$2,812	\$2,925	\$3,042
\$6,818	\$7,350	\$7,350	592-556-726-000	Supplies	\$4,181	\$4,348	\$4,522	\$4,703	\$4,891
\$0	\$1,575	\$1,500	592-556-741-000	Small Tools	\$1,500	\$1,560	\$1,622	\$1,687	\$1,755
\$474,971	\$500,035	\$499,653	592-556-745-000	Water Purchase -Orion Township		\$0	\$0	\$0	\$0
\$14,963	\$10,500	\$16,000	592-556-801-000	Contract Services	\$16,000	\$16,640	\$17,306	\$17,998	\$18,718
\$54,569	\$52,500	\$42,000	592-556-806-000	Engineering	\$30,000	\$31,200	\$32,448	\$33,746	\$35,096
\$0	\$1,050	\$1,050	592-556-813-000	Legal Service	\$160	\$166	\$173	\$180	\$187
\$919	\$3,150	\$3,000	592-556-931-000	Equip Repair & Maint - Misc.	\$3,000	\$3,120	\$3,245	\$3,375	\$3,510
\$3,133	\$7,800	\$7,500	592-556-931-001	Equip Repair & Maint - Hydrant	\$7,500	\$7,800	\$8,112	\$8,436	\$8,774
\$3,072	\$5,250	\$5,000	592-556-931-002	Equip Repair & Maint - Mains	\$5,000	\$5,200	\$5,408	\$5,624	\$5,849
\$9,431	\$5,250	\$5,000	592-556-931-003	Equip Repair & Maint - Meters	\$5,000	\$5,200	\$5,408	\$5,624	\$5,849
\$28,246	\$23,100	\$22,000	592-556-940-000	Equipment Rental	\$28,000	\$29,120	\$30,285	\$31,496	\$32,756
\$3,743	\$3,750	\$3,675	592-556-956-000	Dues & Miscellaneous	\$2,800	\$2,912	\$3,028	\$3,150	\$3,276
\$900	\$3,250	\$3,000	592-556-957-000	Education and Training	\$3,000	\$3,120	\$3,245	\$3,375	\$3,510
\$507,884	\$1,575	\$143,410	592-556-975-000	Capital Improvement	\$40,000	\$41,600	\$43,264	\$44,995	\$46,794
\$141,215	\$141,215	\$152,250	592-560-958-002	Water Depreciation	\$152,250	\$158,340	\$164,674	\$171,261	\$178,111
\$9,876	\$4,725	\$7,350	592-260-805-000	Audit Fees	\$7,000	\$7,280	\$7,571	\$7,874	\$8,189
\$1,626	\$0	\$0	592-260-823-001	Municipal Software	\$0	\$0	\$0	\$0	\$0
\$1,515	\$1,050	\$2,451	592-260-852-000	Miss Dig	\$2,000	\$2,080	\$2,163	\$2,250	\$2,340
\$110,000	\$63,718	\$127,436	592-260-959-000	Financial Administration	\$70,000	\$72,800	\$75,712	\$78,740	\$81,890
						\$0	\$0	\$0	\$0
						\$0	\$0	\$0	\$0
\$1,531,881	\$1,061,999	\$1,231,479		TOTAL	\$564,668	\$587,255	\$610,745	\$635,175	\$660,582

water rates 2025

EXPENSES PAGE 1

Village of Lake Orion Water System
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
2017 water srf		\$360,348	\$360,391	\$360,344	\$360,207	\$359,979	\$364,662	\$364,165	\$363,577	\$368,299	\$362,131
water main replacement phase 1&2											
DATE OF ISSUE	2018										
DATE OF MATURITY	2038										
PAID BY RATES	YES										
RESERVE REQUIREMENT	YES										
TOTAL CURRENT ANNUAL DEBT PAYMENTS		\$360,348	\$360,391	\$360,344	\$360,207	\$359,979	\$364,662	\$364,165	\$363,577	\$368,299	\$362,131
ESTIMATED COST PER REU		\$50.12	\$50.13	\$50.12	\$50.10	\$50.07	\$50.72	\$50.65	\$50.57	\$51.22	\$50.37
		1	2	3	4	5	6	7	8	9	10
EXISTING + NEW		\$360,348	\$360,391	\$360,344	\$360,207	\$359,979	\$364,662	\$364,165	\$363,577	\$368,299	\$362,131

Village of Lake Orion Water System													
EQUIPMENT REPLACEMENT SHORT LIVED ASSETS													
2025													
SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS													
FIXED ASSET INVENTORY		THESE COLUMNS ARE OPTIONAL - HIDE THEM IF NOT USING				ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	RATING GPM - ETC	MANUFACTURE MAKE / BRAND	MODEL #	LOCATION	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	PERCENT CONSUMED
reliability study	updated every 5 yr.		NFE			2021	5	4	2026	1	\$3,000	20%	80%
5/8-3/4" meters	1197 meters @ \$120.00 each		neptune			2008	20	16	2028	3	\$143,640	15%	85%
1" meters	213 meters @ \$230.00 each		neptune			2008	20	16	2028	3	\$48,990	15%	85%
1.5" meters	32 meters @ \$575.00 each		neptune			2008	20	16	2028	3	\$18,400	15%	85%
2" meters	15 meters @ \$765.00		neptune			2008	20	16	2028	3	\$11,475	15%	85%
3" meters	3 meters @ \$2700.00		neptune			2008	20	16	2028	3	\$8,100	15%	85%
r900 antenna	1460 total @ \$96.00		neptune			2017	20	7	2037	12	\$140,160	60%	40%
meter reading software upgrades	5000		neptune			2025	10	11	2035	10	\$5,000	100%	0%
meter reading hardware	1 each @ \$16,500.00		BSA			2013	20	11	2033	8	\$16,500	40%	60%

Village of Lake Orion Water System EQUIPMENT REPLACEMENT SHORT LIVED ASSETS													
<div>2025</div>													
SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS													
FIXED ASSET INVENTORY	THESE COLUMNS ARE OPTIONAL - HIDE THEM IF NOT USING					ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	RATING GPM - ETC	MANUFACTURE MAKE / BRAND	MODEL #	LOCATION	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	PERCENT CONSUMED
											\$395,265	33%	

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS - RUNNING BALANCE SHEET				
COST OF LIVING INCREASE			4.00%	
CURRENT RESERVE BALANCE APPLIED TO THIS ACCOUNT - INCLUDES RRI BALANCE			\$150,000	
AVG. INTEREST RATE IN SAVINGS			0.10%	
ANNUAL COLA ADJUSTMENT AS ADOPTED BY COUNCIL			0.00%	
Annual Funding Applied to Budget / Rates			\$25,000	
USDA RURAL DEVELOPMENT "RRI" ANNUAL RESERVE - ALL LOANS			\$0	
USDA R.D. BOND RESERVE LOAN 1 BECOMES AVAILABLE FOR RRI IN YEAR OF				
USDA R.D. LOAN 1 ANNUAL BOND RESERVE(S)				
USDA R.D. BOND RESERVE LOAN 2 BECOMES AVAILABLE FOR RRI IN YEAR OF				
USDA R.D. LOAN 2 ANNUAL BOND RESERVE(S)				
YEAR	PURPOSE	ANNUAL REPLACEMENT EXPENDITURES WITH C.O.L.	FUNDING WITH COLA	RUNNING BALANCE
2025	SEE EQUIPMENT LIST FOR DETAILS OF ANTICIPATED PURCHASES	\$0	\$25,000	\$175,175
2026		\$3,120	\$25,000	\$197,230
2027		\$0	\$25,000	\$222,427
2028		\$258,278	\$25,000	(\$10,628)
2029		\$0	\$25,000	\$14,362
2030		\$0	\$25,000	\$39,376
2031		\$3,720	\$25,000	\$60,695
2032		\$0	\$25,000	\$85,756
2033		\$21,780	\$25,000	\$89,062
2034		\$0	\$25,000	\$114,151
2035		\$7,000	\$25,000	\$132,265
2036		\$4,320	\$25,000	\$153,077
2037		\$207,437	\$25,000	(\$29,206)
2038		\$0	\$25,000	(\$4,236)
2039		\$0	\$25,000	\$20,760
2040		\$0	\$25,000	\$45,781
2041		\$4,920	\$25,000	\$65,907
2042		\$0	\$25,000	\$90,973
2043		\$0	\$25,000	\$116,064
2044		\$0	\$25,000	\$141,180
2045		\$9,000	\$25,000	\$157,321
				\$312,000

[illegible]

CAPITAL IMPROVEMENT RUNNING BALANCE PROJECTIONS & ANNUAL FUNDING				
ANNUAL COST OF LIVING INCREASE TO PROJECTS			4.00%	
E BALANCE APPLIED TO CAPITAL IMPROVEMENTS			\$15,000	
AVG. INTEREST RATE IN SAVINGS			0.00%	
IF AN ANNUAL COLA RATE ADJUSTMENT PERCENT OF			0.00%	
RUNNING BALANCE COLUMN REFLECTS THIS FUND ONLY. THE AVERAGE ANNUAL FUNDING DOES NOT REFLECT ANY EXTRA REVENUE GENERATED BY FUTURE ANNUAL RATE INCREASES. FOR A TRUE RUNNING BALANCE OF THE OVERALL HEALTH OF THE WATER SYSTEM SEE THE 10 YEAR PROJECTIONS PAGE.				
YEARPROJECT		ANNUAL EXPENDITURES	AVERAGE ANNUAL FUNDING AMOUNT IN RATE BUDGET	RUNNING BALANCE
2025		\$0	\$15,000	\$30,000
2026		\$0	\$15,000	\$45,000
2027		\$0	\$15,000	\$60,000
2028		\$112,000	\$15,000	(\$37,000)
2041		\$0	\$15,000	\$30,000

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR	2025				RTS CHARGE			VOLUME CHARGE
Village of Lake Orion Water 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	\$564,668	30%	\$169,400	7,190	\$23.56	\$395,268	109,209	\$3.619
PURCHASED WATER	\$534,618	30%	\$160,385	7,190	\$22.31	\$374,233	109,209	\$3.427
OPERATION & MAINTENANCE EXPENSES	\$1,099,286		\$329,786		\$45.87	\$769,500		\$7.046
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS								
2017 water srf	\$360,348	100.00%	\$360,348	7,190	\$50.12	\$0	109,209	\$0.00
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$360,348		\$360,348		\$50.12	\$0		\$0.00
ANNUAL O & M + DEBT	\$1,459,634		\$690,134		\$95.99	\$769,500		\$7.05
			47%			53%		
NON SALES INCOME	\$0	30%	\$0		\$0.00	\$0		\$0.000
REVENUE COLLECTED THROUGH RATES	\$1,459,634		\$690,134			\$769,500		
CALCULATED RATE O & M + DEBT	METER EQUIVALENT		QUARTER		\$95.99			\$7.05
			CURRENT RATE		\$79.98			\$6.78
RESERVES								
	\$0	100%	\$0	7,190	\$0.00	\$0	109,209	\$0.00
EQUIPMENT REPLACEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$25,000	30%	\$7,500	7,190	\$1.04	\$17,500	109,209	\$0.16
EQUIPMENT REPLACEMENT & RESERVE REQUIREMENTS	\$25,000		\$7,500		\$1.04	\$17,500		\$0.16
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$15,000	30%	\$4,500	7,190	\$0.63	\$10,500	109,209	\$0.10
WHAT IF - ENTER A FIGURE IN CELL "K60" TO SEE HOW MUCH REVENUE IS GENERATED	\$0			7,190		\$0	109,209	\$0.00
CAPITAL + EQUIPMENT & RRI RESERVES	\$40,000		\$12,000		\$1.67	\$28,000		\$0.26

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

ADOPTED BUDGET	\$1,499,634		\$702,134	7,190		\$797,500	109,209	
		30.00%	47%53%					
REVENUE COLLECTED CALCULATED RATES	\$1,499,634		\$702,134	\$797,500				
REVENUE COLLECTED CURRENT RATES	\$1,315,479							
CALCULATED RATE PER METER EQUIVALENT				PER QUARTER	\$97.66	RATE PER 100 CUFT		\$7.30
ANNUAL METER EQUIVALENTS / REU'S COUNT 7,190	CURRENT RATES			\$79.98	\$6.78			
ANTICIPATED EQUIVALENT GALLONS / UNITS 109,209	PERCENT INCREASE			22.10%	7.71%			
INVOICES PER YEAR 4	INCREASE OF			\$17.68	\$0.52			
TOTAL NUMBER OF CUSTOMERS / METERS 1,512	0			\$7.30				
ANTICIPATED UNITS INVOICED 10,920,877								
GALLONS USED 4,000								
AMOUNT OF BILL \$207.19								
PERCENT INCREASE 14%				EVERY MILLION GALLONS GENERATES REVENUE OF \$7,303				
NOTES	PERCENT RESERVE	2.7%						

TYPICAL BILL COMPARISON USING NEW RATES*Village of Lake Orion Water System***CURRENT RATES****RTS \$79.98****COST PER UNIT \$6.78****NEW / CALCULATED RATES****\$97.66****\$7.30****COST PER UNIT OF
WATER \$7.30****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	\$21.91	\$97.66	\$119.56	\$100.32	\$19.24	19.2%
3/4	800	\$58.42	\$97.66	\$156.08	\$134.22	\$21.86	16.3%
3/4	1,500	\$109.54	\$97.66	\$207.19	\$181.68	\$25.51	14.0%
3/4	2,500	\$182.56	\$97.66	\$280.22	\$249.48	\$30.74	12.3%
3/4	3,500	\$255.59	\$97.66	\$353.24	\$317.28	\$35.96	11.3%

1	10,000	\$730.25	\$122.08	\$852.33	\$777.98	\$74.35	9.6%
1 1/2	15,000	\$1,095.38	\$341.78	\$1,437.16	\$1,296.92	\$140.24	10.8%
2	25,000	\$1,825.63	\$654.28	\$2,479.91	\$2,230.85	\$249.06	11.2%
3	50,000	\$3,651.26	\$1,464.89	\$5,116.16	\$4,589.74	\$526.42	11.5%
4	100,000	\$7,302.53	\$0.00	\$7,302.53	\$6,780.00	\$522.53	8%
6	600,000	\$43,815.17	\$0.00	\$43,815.17	\$40,680.00	\$3,135.17	8%
8	1,000,000	\$73,025.28	\$0.00	\$73,025.28	\$67,800.00	\$5,225.28	8%
10	229,492	\$16,758.72	\$0.00	\$16,758.72	\$15,559.56	\$1,199.16	8%
12	1,500,000	\$109,537.92	\$0.00	\$109,537.92	\$101,700.00	\$7,837.92	8%
GALLONS INCLUDED MIN BILL				0	0		