

**VILLAGE OF LAKE ORION
COUNTY OF OAKLAND
STATE OF MICHIGAN**

RESOLUTION NO. 2024-___

**A RESOLUTION ESTABLISHING SEWER AND WATER FEES AND CHARGES PURSUANT TO
CHAPTERS 51 AND 53 OF THE VILLAGE OF LAKE ORION CODE OF ORDINANCES.**

WHEREAS, Chapter 51 of the Village of Lake Orion Code of Ordinances permits the village council to establish certain sewer fees and charges by resolution of the village council at a regular meeting after a public hearing; and

WHEREAS, Chapter 53 of the Village of Lake Orion Code of Ordinances permits the village council to establish certain water fees and charges by resolution of the village council at a regular meeting after a public hearing; and

WHEREAS, The Village Manager has submitted recommendations on necessary adjustments to water and sewer fees and charges; and

WHEREAS, The Lake Orion village council held a public hearing on the proposed water and sewer fees and charges pursuant to village code on June 10, 2024;

NOW, THEREFORE, BE IT RESOLVED that the Lake Orion village council does hereby establish the following sewer and water fees and charges pursuant to Chapters 51 and 53 of the Village of Lake Orion Code of Ordinances effective July 1, 2024, unless otherwise indicated:

SEWER FEES AND CHARGES

1. Capital Connection Charges:

- a. \$1,000.00 per connection if paid in cash; \$1,500.00 per connection if payment deferred (pursuant to Section 51.25(A))
- b. ~~\$2,000.00~~ **2,060.00** for the first residential equivalent unit (REU); ~~\$200.00~~ **206.00** for each additional unit or fraction thereof (pursuant to Section 51.25(B)) effective upon adoption of this resolution and to increase by three percent (3%) on each July 1 thereafter

2. Lateral Benefit Fees:

- a. \$2,500.00 per connection if paid in cash; \$3,750.00 per connection if payment deferred (pursuant to Section 51.26(A))

- b. ~~\$3,605.00~~ **3,713.00** per connection (pursuant to Section 51.26(B)), with said fee to increase by three percent (3%) on each July 1 thereafter

3. Sewage Disposal Charges:

a. Metered usage charges:

- i. ~~\$6.32~~ **7.17** per unit

b. Residential Unmetered usage charges (equal to base cost and cost for 33.42 units plus 10%):

- i. ~~\$305.81~~ **372.44** per quarter

c. Quarterly base surcharge (per quarter):

- i. Residential water off - ~~\$94.52~~ **98.96**
- ii. Residential metered up to 1" - ~~\$94.52~~ **98.96**
- iii. Multi-Family and Commercial metered up to ¾" - ~~\$94.59~~ **99.04**
- iv. Multi-Family and Commercial metered 1" - ~~\$168.16~~ **176.07**
- v. Multi-Family and Commercial metered 1.5" - ~~\$378.36~~ **396.15**
- vi. Multi-Family and Commercial metered 2" - ~~\$672.65~~ **704.26**
- vii. Multi-Family and Commercial metered 3" - ~~\$1,513.45~~ **1,584.59**

d. Industrial Waste Control (IWC) Charges – Set by Great Lakes Water Authority (schedule attached)

e. Pollutant Surcharges – Set by Great Lakes Water Authority (schedule attached)

4. Debt charges – Included in ready-to-serve charge

5. Permit and inspection fees – Set by Oakland County Water Resources Commissioner's Office

6. Service or Repairs to Private Property or Lines – Set by Oakland County Water Resources Commissioner's Office

WATER FEES AND CHARGES

1. Water Tap and Meter Fees:

- a. ¾" tap - ~~\$2,150.00~~ 2,215.00
- b. 1" tap - ~~\$2,389.00~~ 2,460.00
- c. 1-1/2" tap - ~~\$3,105.00~~ 3,198.00
- d. 2" tap - ~~\$4,060.00~~ 4,182.00
- e. Greater than 2" tap - ~~\$5,374.00~~ 5,535.00 tap fee. Customer is responsible for making the tap and to pay for the meter at cost plus 20% administrative fee

2. Quarterly Ready to Serve Charges (per quarter):

- a. Residential water off - ~~\$72.37~~ 79.98
- b. Residential metered up to ¾" - ~~\$72.37~~ 79.98
- c. Residential metered 1" - ~~\$90.47~~ 99.98
- d. Residential unmetered - ~~\$90.47~~ 99.98
- e. Multi-Family and Commercial metered 1" - ~~\$90.47~~ 99.98
- f. Multi-Family and Commercial metered 1.5" - ~~\$253.28~~ 279.92
- g. Multi-Family and Commercial metered 2" - ~~\$484.86~~ 535.85
- h. Multi-Family and Commercial metered 3" - ~~\$1,085.57~~ 1,199.74

3. Water Usage Charges: ~~\$6.32~~ 6.78 per unit

~~**4. Fire Hydrant Standby Water Charge to Township**~~ - ~~\$16.39~~ per fire hydrant

5. Water Turn-On and Turn-Off Charge - \$75.00

6. Cross Connection Inspection Fee - Actual contractor cost plus 10% administrative fee

7. Service or Repairs to Private Property, Meters, or Lines - Actual labor, material, and equipment cost plus ten percent (10%) administrative fee; contractual overtime labor charges apply outside of regular working hours

BE IT FURTHER RESOLVED that these rates shall automatically adjust annually by three percent (3%) unless council establishes other rates by resolution at a regular meeting after a public hearing.

Great Lakes Water Authority
Approved FY 2025 Sewage Disposal System
Industrial Specific Retail Charges
Effective Date: July 1, 2024

Industrial Waste Control Charges

Meter Size	Full Charge	Admin Only Charge
inches	\$/mo	\$/mo
5/8	3.72	0.93
3/4	5.58	1.40
1	9.30	2.33
1-1/2	20.46	5.12
2	29.76	7.44
3	53.94	13.49
4	74.40	18.60
6	111.60	27.90
8	186.00	46.50
10	260.40	65.10
12	297.60	74.40
14	372.00	93.00
16	446.40	111.60
18	520.80	130.20
20	595.20	148.80
24	669.60	167.40
30	744.00	186.00
36	818.40	204.60
48	892.80	223.20

Pollutant Surcharges

<u>Pollutant</u>	<u>Charge</u> \$/lb
BIOCHEMICAL OXYGEN DEMAND (BOD) for concentrations > 275 mg/l	0.392
TOTAL SUSPENDED SOLIDS (TSS) for concentrations > 350 mg/l	0.525
PHOSPHORUS (P) for concentrations > 12 mg/l	7.571
FATS, OIL AND GREASE (FOG) for concentrations > 100 mg/l	0.125
SEPTAGE DISPOSAL FEE Per 500 gallons of disposal	38.00

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR		2024				RTS CHARGE		VOLUME CHARGE	
Lake Orion Water	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	\$420,749	40%	\$168,300	6,883	\$24.45	\$252,449	115,823	\$2.190	
PURCHASED WATER	\$499,653	0%	\$0	6,883	\$0.00	\$499,653	115,823	\$4.314	
OPERATION & MAINTENANCE EXPENSES	\$920,402		\$168,300		\$24.45	\$752,102		\$6.494	
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS									
2017 water srfl	\$360,214	100.00%	\$360,214	6,883	\$52.33	\$0	115,823	\$0.00	
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$360,214		\$360,214		\$52.33	\$0		\$0.00	
ANNUAL O & M + DEBT	\$1,280,616		\$528,514		\$76.78	\$752,102		\$6.49	
NON SALES INCOME	\$0	40%	\$0		\$0.00	\$0		\$0.000	
REVENUE COLLECTED THROUGH RATES	\$1,280,616		\$528,514			\$752,102			
CALCULATED RATE O & M + DEBT		METER EQUIVALENT		QUARTER		\$76.78		\$6.49	
				CURRENT RATE		\$72.37		\$6.32	
RESERVES									
EQUIPMENT REPLACEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$25,000	40%	\$10,000	6,883	\$1.45	\$15,000	115,823	\$0.13	
EQUIPMENT REPLACEMENT & RESERVE REQUIREMENTS	\$25,000		\$10,000		\$1.45	\$15,000		\$0.13	
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$30,000	40%	\$12,000	6,883	\$1.74	\$18,000	115,823	\$0.16	
CAPITAL + EQUIPMENT & RRI RESERVES	\$55,000		\$22,000		\$3.20	\$33,000		\$0.28	
ADOPTED BUDGET	\$1,335,616		\$550,514	6,883		\$785,102	115,823		
REVENUE COLLECTED CALCULATED RATES	\$1,335,616	40.00%	\$550,514			\$785,102			
REVENUE COLLECTED CURRENT RATES	\$1,332,197								
CALCULATED RATE PER METER EQUIVALENT					PER QUARTER	\$79.98	RATE PER 100 CUFT		\$6.78
ANNUAL METER EQUIVALENTS / REV'S COUNT 6,883		CURRENT RATES		\$72.37				\$6.32	
ANTICIPATED EQUIVALENT GALLONS / UNITS 115,823		PERCENT INCREASE		10.52%				7.25%	
INVOICES PER YEAR 4		INCREASE OF		\$7.61				\$0.46	
TOTAL NUMBER OF CUSTOMERS / METERS 1,460				0				\$6.78	
ANTICIPATED UNITS INVOICED 11,562,298									
GALLONS USED 4,000									
AMOUNT OF BILL \$293.34									
PERCENT INCREASE 8%						EVERY MILLION GALLONS GENERATES REVENUE OF		\$6,778	
NOTES PERCENT RESERVE 4.1%									

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR		2024				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	\$1,063,452	40%	\$425,381	5,774	\$73.67	\$638,071	89,010	\$7.169	
PURCHASED WATER		40%	\$0	5,774	\$0.00	\$0	89,010	\$0.000	
OPERATION & MAINTENANCE EXPENSES	\$1,063,452		\$425,381		\$73.67	\$638,071		\$7.169	
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS									
All Sewer Bonds 2010A, 2011, 2013A, 2014A, 2015, 2015-SAW, 2019A, 2019B, 2020A	\$86,013	100.00%	\$86,013	5,774	\$14.90	\$0	89,010	\$0.00	
NEW ANTICIPATED CAPITAL LOANS									
LO Pump Station, Sewer and Manhole CIP	\$60,000	100%	\$60,000	5,774	\$10.39	\$0	89,010	\$0.00	
	\$0	100%	\$0	5,774	\$0.00	\$0	89,010	\$0.00	
	\$0	100%	\$0	5,774	\$0.00	\$0	89,010	\$0.00	
	\$0	100%	\$0	5,774	\$0.00	\$0	89,010	\$0.00	
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	\$146,013		\$146,013		\$25.29	\$0		\$0.00	
ANNUAL O & M + DEBT	\$1,209,465		\$571,394		\$98.96	\$638,071		\$7.17	
NON SALES INCOME	\$0	40%	\$0		\$0.00	\$0		\$0.000	
REVENUE COLLECTED THROUGH RATES	\$1,209,465		\$571,394			\$638,071			
CALCULATED RATE O & M + DEBT					METER EQUIVALENT	QUARTER		\$98.96	\$7.17
					CURRENT RATE			\$94.52	\$6.32
RESERVES									
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	\$0	40%	\$0	5,774	\$0.00	\$0	89,010	\$0.00	
CAPITAL + EQUIPMENT & RRI RESERVES	\$0		\$0		\$0.00	\$0		\$0.00	
ADOPTED BUDGET	\$1,209,465		\$571,394	5,774		\$638,071	89,010		
REVENUE COLLECTED CALCULATED RATES	\$1,209,465	40.00%	\$571,394			\$638,071			
REVENUE COLLECTED CURRENT RATES	\$1,148,109								
CALCULATED RATE PER METER EQUIVALENT					PER QUARTER	\$98.96	RATE PER 100 CUFT		\$7.17
ANNUAL METER EQUIVALENTS / REV'S COUNT 5,774					CURRENT RATES	\$94.52	\$6.32		
ANTICIPATED EQUIVALENT GALLONS / UNITS 89,010					PERCENT INCREASE	4.70%	13.43%		
INVOICES PER YEAR 4					INCREASE OF	\$4.44	\$0.85		
TOTAL NUMBER OF CUSTOMERS / METERS 1,318					sewer usage multi commercial	\$99.04	\$7.17		
ANTICIPATED UNITS INVOICED 8,901,022									
GALLONS USED 3,000									
AMOUNT OF BILL \$314.02									
PERCENT INCREASE 11%							EVERY MILLION GALLONS GENERATES REVENUE OF		\$7,169
NOTES	PERCENT RESERVE 0.0%								

2024 SUMMARY OF NEW CHARGES "ALL ENTITIES" YEAR 1

Lake Orion Water					
	CURRENT	NEW	DIFFERENCE		
PER 100 CUFT	\$6.32	\$6.78	\$0.46		
2024					
METER SIZE IN INCHES	CURRENT	NEW	READY TO SERVE PER QUARTER	METER EQUIVALENT FACTOR	DIFFERENCE PER QUARTER
3/4	\$72.37	\$79.98	\$79.98	1.00	\$7.61
1	\$90.47	\$99.98	\$99.98	1.25	\$9.51
1 1/2	\$253.28	\$279.92	\$279.92	3.50	\$26.64
2	\$484.86	\$535.85	\$535.85	6.70	\$50.99
3	\$1,085.57	\$1,199.74	\$1,199.74	15.00	\$114.17
4	\$0.00	\$0.00	\$0.00	0.00	\$0.00

SUMMARY OF NEW CHARGES "ALL ENTITIES" YEAR 1

		Village of Lake Orion Sanitary sewer System				sewer usage multi commercial		Non residential IWC	
	CURRENT	NEW	DIFFERENCE		CURRENT	NEW	CURRENT	NEW	
PER 100 CUFT	\$6.32	\$7.17	\$0.85		\$6.32	\$7.17	\$0.00	\$7.17	
2024	CURRENT	NEW	DIFFERENCE PER QUARTER	METER EQUIVALENT FACTOR	READY TO SERVE PER QUARTER	READY TO SERVE PER QUARTER	CURRENT	NEW	
METER SIZE IN INCHES	READY TO SERVE PER QUARTER	READY TO SERVE PER QUARTER	DIFFERENCE PER QUARTER		READY TO SERVE PER QUARTER	READY TO SERVE PER QUARTER	READY TO SERVE PER QUARTER		
3/4	\$94.52	\$98.96	\$4.44	1.00	\$94.59	\$99.04	\$13.04	\$13.66	
1	\$0.00	\$175.93	\$175.93	1.78	\$168.16	\$176.07	\$23.19	\$24.28	
1 1/2	\$0.00	\$395.85	\$395.85	4.00	\$378.36	\$396.15	\$52.17	\$54.62	
2	\$0.00	\$703.73	\$703.73	7.11	\$672.65	\$704.26	\$92.75	\$97.11	
3	\$0.00	\$1,583.40	\$1,583.40	16.00	\$1,513.45	\$1,584.59	\$208.68	\$218.49	
4	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	