



THE MUNICIPALITY OF
LAMBTON SHORES

Public Works
9575 Port Franks Road, R.R. #1
Thedford, ON N0M 2N0
T: 519-243-1400 / 1-866-943-1400
www.lambtonshores.ca

December 14, 2023

Municipality of South Huron
322 Main Street South
PO Box 759
Exeter, Ontario
N0M 1S6

Attention: Alex Wolfe, Clerk, Municipality of South Huron

Dear Ms. Wolfe,

On behalf of the Grand Bend Area Joint Sewage Board (the Board) please find attached the approved 2024 Budget for the Grand Bend Area Joint Sewage Board.

The board approved the 2024 budget at its meeting on December 14, 2023.

The funding proportions for each municipality are based on the defined capital contributions split, and actual flow contributed to the system. Flows are estimated based on a three-year average however final contributions from each municipality are based on actual flows.

The 2024 budget results in the following total funding contributions required from each Municipality:

| | |
|-----------------|--------------|
| South Huron: | \$249,404.52 |
| Lambton Shores: | \$504,885.88 |

Sincerely,

Nick Verhoeven, P.Eng.
Director of Public Works, Municipality of Lambton Shores

**GRAND BEND AREA JOINT SEWAGE OPERATIONS
2024 Budget - Draft**

| | 2023 BUDGET | 2023 DRAFT YTD To Aug. 31, 2023 | 2023 Projection | 2024 BUDGET | Budget Increase/Decrease | Lambton Shores Share | South Huron Share | Basis of Cost Split |
|--|-------------------|------------------------------------|-------------------|-------------------|-----------------------------|-------------------------|----------------------|------------------------|
| OWNER CONTRIBUTION | | | | | | | | |
| LAMBTON SHORES CONTRIBUTION | 487,250.77 | 243,625.38 | 487,250.77 | 504,885.88 | 17,635.11 | | | |
| SOUTH HURON CONTRIBUTION | 246,629.28 | 123,314.64 | 246,629.28 | 249,404.52 | 2,775.24 | | | |
| Interest on Reserve | | 29,267.32 | 29,267.32 | | | | | |
| TOTAL REVENUE | 733,880.05 | 396,207.34 | 763,147.37 | 754,290.40 | 20,410.35 | | | |
| ADMINISTRATIVE AND GOVERNANCE | | | | | | | | |
| GENERAL ADMIN CHARGE STF | 4,178.06 | | 4,178.06 | 4,261.62 | 83.56 | 2,757.27 | 1,504.35 | 1 |
| INSURANCE STF | 31,184.14 | 31,133.16 | 31,133.16 | 34,246.48 | 3,062.34 | 22,157.47 | 12,089.01 | 1 |
| AUDIT | 8,022.74 | 4254.79 | 8,022.74 | 11,000.00 | 2,977.26 | 7,117.00 | 3,883.00 | 1 |
| ACCOUNTING SERVICES | 2,208.17 | | 2,208.17 | 2,252.33 | 44.16 | 1,457.26 | 795.07 | 1 |
| IT | 500.00 | | 500.00 | 500.00 | 0.00 | 323.50 | 176.50 | 1 |
| SCADA SUPPORT STF | 2,500.00 | | 2,500.00 | 2,500.00 | 0.00 | 1,617.50 | 882.50 | 1 |
| ENGINEERING STF | 2,000.00 | | - | 2,000.00 | 0.00 | 1,294.00 | 706.00 | 1 |
| LEGAL | 1,000.00 | | - | 1,000.00 | 0.00 | 647.00 | 353.00 | 1 |
| CAPITAL REPLACEMENT RESERVE | 226,336.56 | 113,168.28 | 226,336.56 | 230,863.29 | 4,526.73 | 149,368.55 | 81,494.74 | 1 |
| TAXES STF | 44,432.68 | 43,419.13 | 44,432.68 | 45,321.33 | 888.65 | 29,322.90 | 15,998.43 | 1 |
| TAXES PS2 | 1,633.51 | | 1,633.52 | 1,666.19 | 32.68 | 833.10 | 833.10 | 2 |
| RF INTEREST ALLOCATION | | 29,267.32 | 29,267.32 | | | | | |
| TOTAL PART A | 323,995.86 | 221,242.68 | 350,212.21 | 335,611.25 | 11,615.39 | 216,895.55 | 118,715.70 | |
| FIXED MTC & OPERATIONAL COSTS | | | | | | | | |
| TELEPHONE STF | 2,040.00 | 1,426.30 | 2,040.00 | 2,080.80 | 40.80 | 1,346.28 | 734.52 | 1 |
| TELEPHONE PS2 | 2,907.00 | 1,748.55 | 2,907.00 | 2,965.14 | 58.14 | 1,482.57 | 1,482.57 | 2 |
| COMPUTER EXPENSE | 500.00 | | 500.00 | 500.00 | 0.00 | 344.25 | 155.75 | 3 |
| BUILDING REPAIRS & MAINT. STF | 30,000.00 | 20845.09 | 30,000.00 | 30,000.00 | 0.00 | 20,654.97 | 9,345.03 | 3 |
| GROUNDS MAINTENANCE | 1,000.00 | 74.38 | 1,000.00 | 1,000.00 | 0.00 | 688.50 | 311.50 | 3 |
| ANNUAL PREVENTIVE MAINTENANCE * | 10,176.00 | 7,631.91 | 10,176.00 | 10,176.00 | 0.00 | 7,006.17 | 3,169.83 | 3 |
| WETLAND PEST CONTROL | 1,000.00 | 2798.4 | 2,798.40 | 1,200.00 | 200.00 | 826.20 | 373.80 | 3 |
| TOTAL PART B | 47,623.00 | 34,524.63 | 49,421.40 | 47,921.94 | 298.94 | 32,348.93 | 15,573.01 | |
| VARIABLE OPERATIONAL COSTS (RELATED TO FLOWS) | | | | | | | | |
| OMI ADMINISTRATIVE COSTS STF * | 36,828.98 | 27,621.72 | 36,828.98 | 37,801.80 | 972.82 | 26,026.50 | 11,775.30 | 3 |
| OPERATOR WAGES STF * | 95,384.74 | 71,538.57 | 95,384.74 | 97,897.19 | 2,512.45 | 67,402.11 | 30,495.08 | 3 |
| OPERATOR WAGES PS2 | | | | | 0.00 | | | |
| ELECTRICAL COSTS STF | 100,000.00 | 53,464.42 | 100,000.00 | 102,000.00 | 2,000.00 | 70,226.89 | 31,773.11 | 3 |
| ELECTRICAL COSTS PS2 | 14,000.00 | 11,169.60 | 14,000.00 | 14,280.00 | 280.00 | 10,198.24 | 4,081.76 | 4 |
| UNION GAS STF | 25,000.00 | 15,798.83 | 25,000.00 | 25,500.00 | 500.00 | 17,556.72 | 7,943.28 | 3 |
| WATER STF | 25,000.00 | 18,360.02 | 25,000.00 | 25,500.00 | 500.00 | 17,556.72 | 7,943.28 | 3 |
| WATER PS2 | 350.00 | 164.76 | 350.00 | 350.00 | 0.00 | 249.96 | 100.04 | 4 |
| CHEMICALS * | 56,893.00 | 42,669.72 | 56,893.00 | 58,390.91 | 1,497.91 | 40,202.08 | 18,188.83 | 3 |
| LABORATORY SAMPLING * | 8,804.48 | 6,603.39 | 8,804.48 | 9,037.31 | 232.83 | 6,222.18 | 2,815.13 | 3 |
| TOTAL PART C | 362,261.20 | 247,391.03 | 362,261.20 | 370,757.21 | 8,496.01 | 255,641.40 | 115,115.81 | |
| TOTAL EXPENSES | 733,880.06 | 503,158.34 | 761,894.81 | 754,290.40 | 20,410.34 | 504,885.88 | 249,404.52 | |

| Legend for Basis of cost split | |
|--|---|
| Capital split for plant (64.7% LS, 35.3% SH) | 1 |
| Capital split for PS2 (50% LS, 50% SH) | 2 |
| Flow Proportion to Plant | 3 |
| Flow Proportion to PS2 | 4 |

GRAND BEND AREA JOINT SEWAGE OPERATIONS
2023 Flow Calculations

| 2023 FLOW CALCULATION PROJECTION (m3) | | | | | | |
|---------------------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Month | PS2 | POG | HC Playhouse | Pinery | Oakwood | Grand Cove |
| Jan | 25286 | 2829 | 96 | 42 | 724 | 7771 |
| Feb | 20609 | 2175 | 79 | 36 | 452 | 6577 |
| Mar | 28872 | 3227 | 110 | 41 | 874 | 9229 |
| Apr | 26513 | 2371 | 88 | 170 | 570 | 7653 |
| May | 25293 | 1052 | 152 | 1122 | 577 | 5958 |
| June | 24897 | 728 | 339 | 2333 | 1124 | 4638 |
| July | 49764 | 4474 | 394 | 6811 | 2024 | 7878 |
| Aug | 40031 | 2951 | 425 | 6718 | 2091 | 6665 |
| Sept | 23291 | 1134 | 168 | 1824 | 1809 | 3771 |
| Oct | 20315 | 1497 | 105 | 547 | 1265 | 5240 |
| Nov | 19485 | 1602 | 142 | 61 | 1016 | 5639 |
| Dec | 18612 | 953 | 94 | 23 | 865 | 5483 |
| Total Annual | 322968 | 24993 | 2192 | 19728 | 13391 | 76502 |
| Avg Month | 26914 | 2083 | 183 | 1644 | 1116 | 6375 |
| Indicates 2022 actual flows | indicates 3 year average | | | | | |

| 2023 FLOW CALCULATION ESTIMATE (m3) | | | | |
|--|-----------------|-------------------|----------------|----------------|
| | 2024 (3 YR AVG) | 2023 (projection) | 2022 | 2021 |
| Main Pump (PS2) | 295,211 | 322,968 | 273,334 | 289,330 |
| GRAND COVE | 71,056 | 76,502 | 66,967 | 69,698 |
| OAKWOOD | 13,327 | 13,391 | 13,650 | 12,939 |
| Lambton Shores (PS2 - GC & Oakwood) | 210,828 | 233,075 | 192,717 | 206,693 |
| POG | 17,925 | 24,993 | 14,584 | 14,197 |
| HCP | 1,441 | 2,192 | 1,569 | 563 |
| Pinery | 18,483 | 19,728 | 16,029 | 19,691 |
| Grand Total Flows To GB plant (PS2 Flow Plus Remaining Sources) | 333,059 | 369,881 | 305,516 | 323,781 |
| MUNICIPAL TOTALS | | | | |
| SOUTH HURON | 103,748 | 117,078 | 96,770 | 97,397 |
| LAMBTON SHORES | 229,311 | 252,803 | 208,746 | 226,384 |
| TOTAL | 333,059 | 369,881 | 305,516 | 323,781 |

MUNICIPAL FLOW APROPORTIONMENT

| | Lambton Shores | South Huron |
|----------------------|----------------|-------------|
| PS2 Flow Proportions | 71.42% | 28.58% |
| GB Plant Proportions | 68.85% | 31.15% |

| Revenue Calculation | | | |
|--|-------------------|-------------------|-------------------|
| | Total | Lambton Shores | South Huron |
| Part A - per agreement | | | |
| PS 2- 50% LS, 50% SH | 45,321.33 | 22,660.67 | 22,660.67 |
| Treatment Facility - 64.7% LS, 35.3% SH | 290,289.91 | 187,817.57 | 102,472.34 |
| Total Part A | 335,611.25 | 210,478.24 | 125,133.01 |
| Part B - Per Agreement \ Flow Based | | | |
| PS2 - per agreement | 2,965.14 | 1,482.57 | 1,482.57 |
| Plant - per agreement | 2,080.80 | 1,346.28 | 734.52 |
| Plant - Flow based | 42,876.00 | 29,520.08 | 13,355.92 |
| Total Part B | 47,921.94 | 32,348.93 | 15,573.01 |
| Part C - Flow Based | | | |
| PS2 | 14,630.00 | 10,448.19 | 4,181.81 |
| Plant | 356,127.21 | 245,193.21 | 110,934.00 |
| Total Part C | 370,757.21 | 255,641.40 | 115,115.81 |
| Total | 754,290.40 | 498,468.57 | 255,821.82 |