



South Dundas Water Treatment Plant

The South Dundas Water Treatment Plant was commissioned in the summer of 2006. It is a state-of-the-art facility using a membrane filtration system and granular activated carbon contactors to eliminate any odor and taste. The water meets all provincial requirements under the provincial water legislation.

The total project cost was approximately \$19,900,000. Funding was provided under the Ontario Small Town and Rural Development Infrastructure Initiative (OSTAR) program, a three-way cost sharing program between the Federal, Provincial and Municipal governments.

The Municipality is recovering its share of the project, net of contributions from other sources, of approximately \$8,800,000 from benefiting residential, multi-residential, commercial, industrial, and institutional properties.

The approved cost recovery plan has three components:

- \$1,500,000 to be recovered from new growth over a twenty-year period;
- \$3,120,000 to be recovered via an upfront payment of \$2,000 per property currently receiving municipal water. Full or partial payment was due by December 31, 2007. Any unpaid amounts were recovered over five years as a special charge added to the individuals' municipal tax account; and
- \$4,180,000 to be recovered through a surcharge on every cubic meter of water consumed. A surcharge of \$1.03 per m³ is added to individual utility bills effective with water used on or after January 1, 2008. It was anticipated based on consumption data available at the time that the Municipality would recover approximately \$360,000 annually through the surcharge. Recovery budgeted for 2025 is \$322,175.



WATER RATES

The water rate is the primary source of revenue to fund the operations and assets required to provide drinking water to the users of the system. It is best practice among municipalities to totally fund the system by rates charged to the users and not subsidized by the tax rate of the municipality.

On December 11, 2024, staff recommends Council adopt By-Law 2024-83 which approves the water rates for 2025. The proposed rates will include a 4% increase to each of the flat rate and consumption rate. As the effective date for the rate increase will be **January 1, 2025**, it has been included in all numbers in this document.

The following report shows water users:

- How the 2025 rates will be reflected on a Rideau St. Lawrence (RSL) utility bill
- How the rates fund water/wastewater operational expenses, capital expenses, and reserve transfers
- The proposed rate increases and their effect on the typical residential or small commercial user.



WATER RATE REVENUE & RSL UTILITY BILLING

The water rate is comprised of three components:

| | |
|---|---|
| 1) Water Fixed/Flat Rate | Used to fund operating expenditures, capital expenditures, and budgeted transfers to reserves |
| 2) Water Consumption (per m ³) | |
| 3) Water Capital Levy (per m ³) | Used to support debt charges accrued for the water plant and the water tower rehabilitation project |

The chart below shows the monthly rates, effective **January 1, 2025**, for the average residential user (apartment, single-family dwelling, a townhouse, a semi-detached home, or small commercial establishments).

In this example, the residential user is using 11m³ in one month:

| | Water | Sewer Surcharge | |
|--|----------------|------------------------|----------------|
| | | Morrisburg 75% | Iroquois 100% |
| Flat Rate: | \$50.62 | \$37.96 | \$50.62 |
| Consumption (\$0.79/ m ³): | \$8.69 | \$6.52 | \$8.69 |
| WP Levy (\$1.03/ m ³): | \$11.33 | No Surcharge | |
| Total: | \$70.64 | \$44.48 | \$59.31 |

The user’s RSL utility bill would then look like the chart below:

| RSL Utility Bill | Morrisburg | Iroquois |
|----------------------------|-------------------|-----------------|
| “Water Charges” | \$59.31 | \$59.31 |
| “Water Plant Capital Levy” | \$11.33 | \$11.33 |
| “Sewer Charges” | \$44.48 | \$59.31 |
| Total Bill | \$115.12 | \$129.95 |

Rate increases are necessary to ensure the safe continuity of water and wastewater services while preparing for future repairs, rehabilitation, and replacement of the systems.



RATE REVENUE- FLAT RATE AND CONSUMPTION

The following chart shows the budgeted revenue generated from the monthly flat rate and consumption charges:

| FLAT RATE | | | |
|--|------------------------|-------------------------|---------------------------|
| Type of Meter (No. of Accounts) | Annual Rate | Monthly Rate | Annual Revenue |
| 5/8" Meter Residential (1,930) | \$607.42 | \$50.62 | \$1,172,321 |
| 5/8" Meter Non- Res (176) | \$607.42 | \$50.62 | \$106,906 |
| 1" Meter (17) | \$850.39 | \$70.87 | \$14,457 |
| 1 ½" Meter (12) | \$1,093.36 | \$91.11 | \$13,120 |
| 2" thru 4" Meter (25) | \$1,761.52 | \$146.79 | \$44,038 |
| 2025 Flat Rate Revenue Estimate | | | \$1,350,841 |

| CONSUMPTION | | | |
|---|------------------------|-------------------------|------------------|
| 2025 Consumption Revenue Estimates based on 2024 Consumption data | | | |
| Combined | 414,908 m ³ | @ \$0.79/m ³ | \$324,669 |
| 2025 Consumption Revenue Estimate | | | \$324,669 |



WATER OPERATIONS

The following chart outlines the required funds for water operational costs from the proposed budget:

| Miscellaneous Revenue Budgets | | |
|--------------------------------------|-----------------|--|
| Rental Space on Towers | \$8,785 | |
| Water Connection Fees | \$3,000 | |
| Water Retail Sales | \$6,000 | |
| Canada Summer Jobs Grant | \$2,000 | |
| Deposit Account Interest | \$13,000 | |
| Meter Sales | \$4,000 | |
| Total Miscellaneous Revenue | \$36,785 | |

| Operational Expenses – Summarized | | |
|--|--------------------|--|
| Wages, Benefits & Development | \$513,034 | |
| Utilities | \$157,000 | |
| Communications & Computer | \$27,000 | |
| Sampling | \$14,000 | |
| Repairs & Maintenance | \$192,900 | |
| Health & Safety | \$10,300 | |
| Water Meters | \$20,000 | |
| Municipal Taxes | \$33,700 | |
| Insurance | \$51,987 | |
| Audit & Legal | \$14,000 | |
| Administration Overhead | \$28,840 | |
| RSL Meter Reading Agreement & Contracts | \$99,456 | |
| Advertising | \$1,000 | |
| Hydrants | \$10,000 | |
| Truck Charges | \$21,000 | |
| Total Operational Expenses | \$1,194,217 | |

| | | |
|-------------------------------------|--------------------|--|
| Net Required from Water Rate | \$1,157,432 | |
|-------------------------------------|--------------------|--|



WATER CAPITAL

The following chart outlines the required funds for water capital purchases and incremental costs from the proposed budget:

| Capital Transactions | Capital | Minor Capital | Incremental Items |
|-----------------------------|------------------|----------------------|--------------------------|
| Relining Morrisburg Plaza | \$737,000 | | |
| Gac 2 Carbon Replacement | \$136,240 | | |
| Hydrant Replacement (3) | \$18,000 | | |
| WTP LED Lighting | \$7,000 | | |
| Total: | \$898,240 | | |

| | |
|----------------------------------|------------------|
| Net Required from Reserve | \$898,240 |
|----------------------------------|------------------|

WATER DEBT CHARGES

The water budget supports four different debentures/debts:

- 1) Infrastructure Ontario Loan - Water Treatment Plant construction maturing in 2028. Supported by the current water plant levy charge \$1.03/ m³.
- 2) Infrastructure Ontario Loan - Water Tower Rehabilitation maturing in 2035.
- 3) South Dundas Growth Loan - Municipal self-funded debt for extra capacity that was built into the water plant. This debt is being repaid by water connection fees
- 4) Rohmax (Evonik) Debenture - Capital cost recovery for the Water Treatment Plant. Matures in 2026- Billed annually through the tax bill.



The Municipality of
SOUTH DUNDAS

The total debt charges for 2025 are as follows:

| | | |
|---|-----------|------------------|
| OILC – Water Plant | Principal | \$209,000 |
| | Interest | \$32,285 |
| OILC – Water Towers | Principal | \$65,424 |
| | Interest | \$16,416 |
| | | \$323,125 |
| SD – Growth Loan (Excludes Dutch Meadows) | | \$40,000 |
| SD – Growth Loan (Dutch Meadows) | | \$40,000 |
| Rohmax Debenture | Principal | \$21,463 |
| | Interest | \$2,426 |
| | | \$103,889 |
| Total Debt Charges | | \$427,014 |

The revenues budgeted to support the debt charges are as follows:

| | |
|---|------------------|
| Water Capital Levy | |
| Water Capital Levy @ \$1.03/ m ³ | \$322,175 |
| Rohmax Debenture – Billed via Tax Bill | \$23,889 |
| | \$346,063 |
| Water Connection Fees - \$5,000 each | |
| Dutch Meadows | \$40,000 |
| Excluding Dutch Meadows | \$40,000 |
| | |
| Total Revenues to Support Debt | \$426,063 |
| Funding Required from Water Rate | \$951 |



Water Capital Levy

The primary purpose of the water capital levy (\$1.03/m³) is to generate sufficient funds to support the Infrastructure Ontario loan debt charges for the Water Plant construction and the Water Tower rehabilitations.

As the debt matures, the annual interest component on the water plant debt reduces. The savings are transferred to the Water Capital Reserve Fund for future funding and have been accounted for in the Water Rate Study. As the capital levy is based on consumption and user consumption fluctuates, the revenues will also fluctuate. Any surplus revenue is transferred to the Water Rate Stabilization Reserve.

Debt charges may require funding of \$951 from the Water Rate (2024 - \$11,179).

TRANSFERS TO RESERVES

With the implementation of Asset Management planning, the reserves will be the primary financial tool for funding capital items and major maintenance activities. Ideally, all non-operating activity funding will be provided through reserve transactions. Operating activities will be funded by the water rate.

The following is the 2024 proposed budget transfer and the net amount required from the water flat rate and consumption rate to fund those transfers:

| | |
|-------------------------------------|------------------|
| Contribution To Reserves | |
| Total Transfers | \$517,127 |
| Net Required from Water Rate | \$517,127 |



WATER BUDGET SUMMARY

The Municipality must have a balanced budget per Section 290 of the *Municipal Act, 2001*. The revenues must offset the net requirement/expenses of the water budget. This includes all operating, capital, and transfers to reserves.

This is summarized below:

| Balancing the Water Budget – excluding Capital | |
|---|--------------------|
| Revenues | |
| Flat Rate Revenue | \$1,350,841 |
| Consumption Revenue | \$324,669 |
| Fees & Interest | \$36,785 |
| Total | \$1,712,295 |
| Net Required from Water Rate | |
| Operations | \$1,194,217 |
| Debt Charges to be recovered from Water Rate | \$951 |
| Transfer to Reserves | \$517,127 |
| Total | \$1,712,295 |



Asset Management

Management, by definition, means to deal with or control.

In Asset Management, this means active management and formalized planning for potential asset outcomes, with the goal to move from reactive decisions (i.e., crisis or service failure) to more proactive practices.

Active management means:

- Condition assessments – visible assets
(Treatment plants, pumping stations, etc.)
- Condition assessments – non-visible assets
(Water, sewer, storm mains)
- Financial plans to fund asset repairs, rehabilitation and replacement
- Publicly known and understood service level expectations
- Considerable time and effort from both staff and Council

As a small municipality with limited resources, we often take the “If it isn’t broken, let’s leave it until tomorrow” approach because of ever-present financial constraints. Preventative maintenance may seem as an immediate nice to have, but, when considering the full lifecycle cost, can result in better financial and service outcomes.

Additionally, municipal assets are reaching the end of useful life faster than we are accumulating the funds required for replacement. The asset management process has demonstrated the extent to which the Municipality has under-invested in the full life cycle costs of our municipal infrastructure.

The water infrastructure of the Municipality of South Dundas is estimated to have a replacement cost of nearly \$105 Million (2021 Dollars).



| Category | Quantity | Replacement Cost Method | Total Replacement Cost |
|-----------------|----------|---|------------------------|
| Water Lines | 63459 m | User-Defined Cost | \$ 37,159,850.46 |
| Valves | 534 | User-Defined Cost | \$ 3,009,422.75 |
| Hydrants | 247 | User-Defined Cost | \$ 1,901,900.00 |
| Water Buildings | 6 | CPI Tables - NRBCPI Quarterly (Toronto) | \$ 61,699,713.00 |
| Water Equipment | 24 | CPI Tables - CPI Monthly (ON) | \$ 836,213.00 |
| Total: | | | \$ 104,607,099.21 |

The 2023 year-end Water Capital Reserve Fund balance is estimated to be approximately \$1M. The reserve amount is relatively small when compared to the \$105M of water assets.

The planned water rate increases considered this and factored in:

- A desired annual \$1.4M contribution to reserves (as recommended in the Asset Management Plan),
- A predicted growth rate for the water system at Dutch Meadows,
- The current debt levels and debt charges,
- Inflation

Why Are Rates Increasing?

Water Flat/Fixed Rate

Proper asset management should find the municipality capable of funding the repair, rehabilitation, or replacement of capital assets when required.

Rate increases are necessary to adequately fund the long-term sustainability of water operations and capital needs.

WATER – MORRISBURG AND IROQUOIS

2024 ACCOMPLISHMENTS:

- Achieved a perfect score on the ministry inspection for the water plant.
- Commissioned a new water distribution segment for low-income housing.
- New carbon for GAC tank #1 to further enhance the water quality.
- Low lift wet well was inspected by divers and professionally cleaned.
- Valve exercising program was developed and executed for Morrisburg.
- Flushed all hydrants and repaired any which needed to be.
- Audit was reaccredited with 100%.
- Overhauled low lift pump to increase performance.
- Carried out a rate study for both Morrisburg and Iroquois water.
- Collected all water samples within the required deadlines.
- Took on the responsibility of completing compliance for water, resulting in huge savings
- Developed additional tools relating to compliance to help extract data
- All staff members have achieved water licences of level 1 and higher.

2025 BUDGET NOTABLES:

- GAC Tank # 2 and GAC tank #3 carbon replacement.
- Relining of Morrisburg plaza water main (pending).



For Period Ending 31-Dec-2025

| | ACTUAL | BUDGET | BUDGET | BUDGET |
|--|-----------------------|-----------------------|-----------------------|---------------------|
| |2024..... |2024..... |2025..... | CHANGE |
| GENERAL FUND | | | | |
| Revenue | | | | |
| SOUTH DUNDAS WATER | | | | |
| IRO/MORR Water- Billing Revenue | (1,294,074.56) | (1,638,316.00) | (1,690,295.00) | (51,979.00) |
| S.D. Water Plant- 1.03 Cent Recovery | (263,268.67) | (345,871.00) | (346,063.00) | (192.00) |
| Water Connection Charges | (675.00) | (2,000.00) | (3,000.00) | (1,000.00) |
| IRO/MORR Water- Prov/Fed Grants | (2,318.40) | (2,000.00) | (2,000.00) | 0.00 |
| IRO/MORR Water- Growth Comp Levy | (35,000.00) | (80,000.00) | (80,000.00) | 0.00 |
| IRO/MORR Water-Interest | (12,501.25) | (14,000.00) | (13,000.00) | 1,000.00 |
| IRO/MORR Water- Meter & Asset Sales | (11,800.67) | (4,000.00) | (4,000.00) | 0.00 |
| IRO/MORR WTP- Transfer from Reserves | 0.00 | (122,165.00) | (898,240.00) | (776,075.00) |
| Total Revenue | (1,619,638.55) | (2,208,352.00) | (3,036,598.00) | (828,246.00) |
| Expense | | | | |
| SOUTH DUNDAS WATER | | | | |
| Wages & Benefits | 435,206.83 | 461,758.00 | 506,534.00 | 44,776.00 |
| Utilities | 129,248.83 | 153,000.00 | 157,000.00 | 4,000.00 |
| Communications & Computer Services | 22,898.46 | 27,000.00 | 27,000.00 | 0.00 |
| Sampling | 11,703.07 | 14,000.00 | 14,000.00 | 0.00 |
| Repairs & Maintenance | 150,241.27 | 185,300.00 | 184,800.00 | (500.00) |
| Memberships & Professional Development | 5,166.23 | 5,600.00 | 7,100.00 | 1,500.00 |
| Health & Safety | 6,741.59 | 7,250.00 | 10,300.00 | 3,050.00 |
| Water Meters | 20,019.76 | 20,000.00 | 20,000.00 | 0.00 |
| Municipal Taxes | 31,754.62 | 33,000.00 | 33,700.00 | 700.00 |
| Insurance | 48,360.04 | 46,000.00 | 51,987.00 | 5,987.00 |
| Audit | 7,049.29 | 14,000.00 | 14,000.00 | 0.00 |
| Admin O.H. | 25,666.67 | 28,000.00 | 28,840.00 | 840.00 |
| OIPC Loan Repayments | 333,161.11 | 333,161.00 | 323,125.00 | (10,036.00) |
| RSL Meter Reading | 75,894.95 | 89,506.00 | 98,456.00 | 8,950.00 |
| Advertising | 203.52 | 1,500.00 | 1,000.00 | (500.00) |
| Contracts & Services | 19,324.58 | 37,878.00 | 1,000.00 | (36,878.00) |
| Hydrants | 1,028.89 | 10,000.00 | 10,000.00 | 0.00 |
| Truck Charges | 20,274.09 | 28,500.00 | 28,500.00 | 0.00 |
| Capital | 167,655.37 | 226,054.00 | 1,002,129.00 | 776,075.00 |
| Transfer to Reserve/ Reserve Funds | 0.00 | 486,845.00 | 517,127.00 | 30,282.00 |
| Total Expense | 1,511,599.17 | 2,208,352.00 | 3,036,598.00 | 828,246.00 |
| Total GENERAL FUND | (108,039.38) | 0.00 | 0.00 | 0.00 |

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: **Building Maintenance and Repairs**
Description: Below is a list of items identified for purchase for the Morrisburg Water Treatment Plant:

| | |
|---|----------|
| Capital Controls | \$20,000 |
| Solenoids and Actuators | \$7,000 |
| Turbidity meter (5 of 5) | \$7,000 |
| Cla-val (backflow preventor for tower | \$6,000 |
| Low-lift intake crib inspection | \$5,000 |
| Analyzer pH and CL2 probes | \$4,000 |
| Train intake raw water actuator | \$3,800 |
| Turbidity meter head x2 | \$3,000 |
| Handheld pH probe | \$2,500 |
| Paint floor WTP | \$2,000 |
| UV heat light | \$2,000 |
| Spare UPS | \$1,000 |
| DPD Free Chlorine | \$1,000 |
| Injector for booster | \$1,000 |
| NTU calibration standards | \$500 |
| Pressure wash Booster building exterior | \$500 |
| Camera WTP | \$500 |
| Verification standards for handheld Cl2 kit | \$450 |
| Desiccant Cartridge for TU5300SC x3 | \$300 |
| Heater for tower basement | \$200 |

Project Cost: **\$67,750**

Budget line: **1-4-4400-7130**

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water Distribution
Submitted By: Denis Villeneuve

Project Title: **Distribution Budget**

Description: Below is a list of operational items identified for purchase for the Water Distribution system.

- Tools \$1,000
- Pipe repair parts & stock \$5,000
- Leak detection \$2,000
- Paint and marking flags \$1,000
- Cones \$1,000
- Road repairs \$10,000
- Stone 5/8" \$2,000

Project Cost: \$22,000
Budget line: 1-4-4450-7130

Recommended Financing: Water User Fees



Morrisburg Wastewater Treatment Plant

The Morrisburg Wastewater Treatment Plant is a Class II treatment plant capable of 4,068m³ per day. The plant uses two sequential batch reactors (SBR) and an autothermal thermophilic aerobic digestion (ATAD) system.

The Canada Ontario Municipal Rural Infrastructure Fund (COMRIF) provided the Municipality with \$13,301,520 in funding to upgrade the Morrisburg Wastewater Treatment Plant.

WASTEWATER RATE REVENUE & RSL UTILITY BILLING

The Morrisburg wastewater surcharge of 75% is charged on the following:

- 1) Water Fixed/Flat Rate
- 2) Water Consumption (per m³)

The chart below shows the monthly rates, effective **January 1, 2025**, for the average residential user (apartment, single-family dwelling, a townhouse, a semi-detached home, or small commercial establishments).

In this example, the residential user is using 11m³ in one month:

| | Water | Sewer Surcharge |
|--|----------------|------------------------|
| | | Morrisburg 75% |
| Flat Rate: | \$50.62 | \$37.96 |
| Consumption (\$0.79/ m ³): | \$8.69 | \$6.52 |
| WP Levy (\$1.03/ m ³): | \$11.33 | No Surcharge |
| Total: | \$70.64 | \$44.48 |

The billing amounts on the user's RSL utility bill would then look like the chart below:

| RSL Utility Bill | Morrisburg |
|----------------------------|-------------------|
| "Water Charges" | \$59.31 |
| "Water Plant Capital Levy" | \$11.33 |
| "Sewer Charges" | \$44.48 |
| Total Bill | \$115.12 |



The water flat rate and consumption rate will increase by 4% per month **as of January 1, 2025**. This means that the corresponding wastewater rate for Morrisburg would be affected by the increase at a rate of 75% of the water portion.

MORRISBURG WASTEWATER

RATE REVENUE- FLAT RATE AND CONSUMPTION

The following chart shows the budgeted revenue generated from the monthly flat rate and consumption charges:

| FLAT RATE | | | |
|--|------------------------|-------------------------|---------------------------|
| Type of Meter (No. of Accounts) | Annual Rate | Monthly Rate | Annual Revenue |
| 5/8" Meter Residential (1,238) | \$455.57 | \$37.96 | \$563,989 |
| 5/8" Meter Non- Res (121) | \$455.57 | \$37.96 | \$55,123 |
| 1" Meter (9) | \$637.79 | \$53.15 | \$5,740 |
| 1 ½" Meter (11) | \$820.02 | \$68.34 | \$9,020 |
| 2" thru 4" Meter (16) | \$1,321.14 | \$110.10 | \$21,138 |
| 2025 Flat Rate Revenue Estimate | | | \$655,011 |

| CONSUMPTION | | | |
|---|------------------------|-------------------------|------------------|
| 2025 Consumption Revenue Estimates from 2024 Consump. Data (@75%) | | | |
| Morrisburg | 199,384 m ³ | @ \$0.76/m ³ | \$120,558 |
| 2025 Consumption Revenue Estimate | | | \$120,558 |



MORRISBURG WASTEWATER OPERATIONS

The following chart outlines the required funds for Morrisburg wastewater operational costs from the proposed budget:

| Operational Expenses – Summarized | |
|--|------------------|
| Wages, Benefits & Development | \$108,734 |
| Utilities | \$101,000 |
| Communications | \$11,000 |
| Sampling | \$14,000 |
| Repairs & Maintenance | \$125,300 |
| Municipal Taxes | \$67,860 |
| Insurance | \$33,592 |
| RSL Contract & SD Finance staff support | \$78,186 |
| Net Required from Wastewater Rate | \$539,672 |

MORRISBURG WASTEWATER CAPITAL

The following chart outlines the required funds for Morrisburg wastewater capital costs from the proposed budget:

| Capital Transactions | Capital | Minor Capital | Incremental Items |
|----------------------------------|------------------|----------------------|--------------------------|
| | | | |
| Relining Morrisburg Plaza | \$410,635 | | |
| Replace Trojan UV System | \$478,000 | | |
| Service Replacements (2) | | \$16,000 | |
| Wastewater Master Plan | | | \$32,000 |
| Total: | \$888,635 | \$16,000 | \$32,000 |
| Net Required from Reserve | | | \$936,635 |



WASTEWATER DEBT CHARGES

The Morrisburg wastewater budget supports two different debentures/debts:

- 1) Infrastructure Ontario Loan - Dutch Meadows Pumping Station construction maturing in 2041. Funded by connection fees at the Dutch Meadows subdivision.
- 2) Rideau St. Lawrence (RSL) Reserve Fund Loan - Dutch Meadows Pumping Station construction maturing in 2041. Funded by connection fees at the Dutch Meadows subdivision and the Dutch Meadows Reserve Fund.

The total debt charges for 2025 are as follows:

| | | |
|--------------------------------------|-----------|-----------------|
| OILC – Dutch Meadows Pumping Station | Principal | \$24,764 |
| | Interest | \$14,107 |
| RSL Reserve Fund Loan | Principal | \$27,935 |
| | Interest | \$5,080 |
| Total Debt Charges | | \$71,885 |

TRANSFERS TO RESERVES

The final component of the wastewater budget is the transfers to reserves. The following is the proposed transfer in 2025. This considers the increases effective January 1, 2025:

| | |
|--|------------------|
| Contributions To Reserves | |
| Total Transfers | \$255,897 |
| Net Required from Wastewater Rate | \$255,897 |



MORRISBURG WASTEWATER BUDGET SUMMARY

The Municipality must have a balanced budget per Section 290 of the *Municipal Act, 2001*. The revenues must offset the net requirement/expenses of the wastewater budget. This includes all operating, capital, and transfers to reserves.

This is summarized below:

| Balancing the Morrisburg Wastewater Budget – excluding Capital | |
|---|------------------|
| Revenues | |
| Flat Rate Revenue | \$655,011 |
| Consumption Revenue | \$120,558 |
| Connection Fees | \$20,000 |
| Total | \$795,569 |
| Net Required from Wastewater Rate | |
| Operations | \$539,672 |
| Transfer to Reserves | \$255,897 |
| Total | \$795,569 |



Asset Management

The replacement cost of the Municipality of South Dundas (Morrisburg) wastewater infrastructure is estimated at just over \$41 Million (2021 Dollars).

| Category | Quantity | Replacement Cost Method | Total Replacement Cost |
|-------------------|----------|---|------------------------|
| Sanitary Lines | 23575 m | User-Defined Cost | \$ 15,428,245.40 |
| Sanitary Manholes | 308 | User-Defined Cost | \$ 5,241,433.90 |
| Force Main | 55 m | User-Defined Cost | \$ 13,270.00 |
| Sewer Buildings | 4 | CPI Tables - NRBCPI Quarterly (Toronto) | \$ 20,319,959.00 |
| Sewer Equipment | 3 | CPI Tables - CPI Monthly (ON) | \$ 170,259.00 |
| Total: | | | \$ 41,173,167.30 |

The 2023 year-end balance of the Morrisburg Capital Reserve Fund is estimated to be just under \$1.4M. The reserve amount is relatively small when compared to the \$41M of wastewater assets.

Although the wastewater surcharge has not changed for 2025, the increase to the water rates positively affects the revenue of the Morrisburg wastewater system and therefore will increase transfers to reserves.

The water rate study, considered factors regarding wastewater such as:

- 1) Desired annual \$505,000 contribution (Morrisburg) as recommended in the Asset Management Plan,
- 2) Predicted growth of the wastewater system at Dutch Meadows,
- 3) Current debt levels and debt charges, and
- 4) Inflation

WASTEWATER – MORRISBURG

2024 ACCOMPLISHMENTS:

- Revised and Combined the ECA CII for Morrisburg.
- Carried out a rate study for both Morrisburg and Iroquois sewer.
- Installed new 25HP motor for jet pump at Morrisburg wastewater plant.
- Connected a new transfer switch for generator at Morrisburg wastewater plant.
- Extracted all sludge from Morrisburg wastewater treatment plant.
- Reinstalled a new VFD at the Morrisburg wastewater treatment plant.
- Collected all wastewater samples within the required deadlines.
- Took on the responsibility of completing compliance for wastewater, resulting in huge savings
- Developed additional tools relating to compliance to help extract data
- All staff members have achieved wastewater licences of level 1 and higher.

2025 BUDGET NOTABLES:

- Relining of Morrisburg plaza sewer main (pending)



For Period Ending 31-Dec-2025

| | ACTUAL | BUDGET | BUDGET | BUDGET |
|--|----------------|----------------|----------------|--------------|
| |2024..... |2024..... |2025..... | CHANGE |
| GENERAL FUND | | | | |
| Revenue | | | | |
| MORRISBURG WASTEWATER | | | | |
| Morrisburg Sewer - Billing Revenue | (569,657.07) | (743,474.00) | (775,569.00) | (32,095.00) |
| Morrisburg Sewer - Connection Fees | (30,000.00) | (75,000.00) | (60,000.00) | 15,000.00 |
| Morrisburg Sewer - Transfer From Reser | (31,885.00) | (76,635.00) | (968,520.00) | (891,885.00) |
| Total Revenue | (631,542.07) | (895,109.00) | (1,804,089.00) | (908,980.00) |
| Expense | | | | |
| MORRISBURG WASTEWATER | | | | |
| Wages & Benefits | 100,469.04 | 94,409.00 | 105,734.00 | 11,325.00 |
| Utilities | 74,485.51 | 104,000.00 | 101,000.00 | (3,000.00) |
| Communications | 10,016.30 | 11,000.00 | 11,000.00 | 0.00 |
| Sampling | 9,799.75 | 14,000.00 | 14,000.00 | 0.00 |
| Repairs & Maintenance | 94,156.76 | 116,550.00 | 125,300.00 | 8,750.00 |
| Professional Fees | 4,790.79 | 5,000.00 | 3,000.00 | (2,000.00) |
| Contracts & Services | 82,235.97 | 96,957.00 | 78,186.00 | (18,771.00) |
| Insurance | 31,248.18 | 30,000.00 | 33,592.00 | 3,592.00 |
| Municipal Taxes | 64,019.30 | 66,000.00 | 67,860.00 | 1,860.00 |
| Debt Charges | 38,870.46 | 71,885.00 | 71,885.00 | 0.00 |
| Capital | 52,661.98 | 44,750.00 | 936,635.00 | 891,885.00 |
| Transfer to Reserve Funds | 0.00 | 240,558.00 | 255,897.00 | 15,339.00 |
| Total Expense | 562,754.04 | 895,109.00 | 1,804,089.00 | 908,980.00 |
| Total GENERAL FUND | (68,788.03) | 0.00 | 0.00 | 0.00 |

MUNICIPALITY OF SOUTH DUNDAS

MAINTENANCE ITEMS
PROJECT DATA SHEET
2025

Department: **Water - Wastewater**
Submitted By: **Denis Villeneuve**

Project Title: **Building Maintenance and Repairs**
Description: Below is a list of items identified for purchase for the Morrisburg Wastewater Plant:

- UV service maintenance \$10,000
- UV lights and parts \$10,000
- Grit bin dumping \$5,000
- Lift station cleaning \$4,000
- Compactor Gearbox parts/inspection \$3,500
- New Davit arm for Wetwell \$3,000
- SCADA work \$3,000
- Solenoids, valves and fittings \$2,000
- Thomas Air pumps \$1,500
- Annual generator service \$1,500
- Dissolved oxygen parts \$1,000
- Lower end shaft for dewatering screw \$1,000
- Parshall flume & transmitter calibrations \$500
- Tools \$500
- 1 UPS \$500
- New LMI polymer pump heads \$400

Project Cost: \$47,400
Budget line: 1-4-4130-7130

Recommended Financing: Morrisburg Wastewater User Fees

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: **Morrisburg Wastewater Collection Budget**

Description: Below is a list of items identified for purchase for the Collection System:

- Road repair and paving \$10,000
- Sewer Main Flushing & Camera \$10,000
- Sewer pipe and Ferncos \$3,000
- Stone 5/8" \$2,000

Project Cost: \$25,000
Budget line: 1-4-4145-7130

Recommended Financing: Morrisburg Wastewater User Fees



Iroquois Wastewater Treatment Plant (Iroquois WWTP)

In 2014, through Green Infrastructure Funding, the Iroquois WWTP was upgraded from a plant that provided a primary level of treatment to one that provides secondary treatment of wastewater. The original project scope was to upgrade the Iroquois WWTP to improve the quality of treated municipal effluent discharged into the St. Lawrence River.

The project scope was amended in the “First Amending Agreement” to include a secondary project if savings were realized in the original project scope. The amendment is written below:

“The secondary project consisted of sewer relining and replacement, grouting, sealing and manhole improvements to rehabilitate the sewage collection system. These upgrades will reduce the amount of water inflow/infiltration from entering the sewage collection system.”

WASTEWATER RATE REVENUE & RSL UTILITY BILLING

The Iroquois wastewater surcharge of 100% is charged on the following:

- 1) Water Fixed/Flat Rate
- 2) Water Consumption (per m³)

The chart below shows the monthly rates, effective **January 1, 2025**, for the average residential user (apartment, single-family dwelling, a townhouse, a semi-detached home, or small commercial establishments).

In this example, the residential user is using 11m³ in one month:

| | Water | Sewer Surcharge |
|--|----------------|------------------------|
| | | Iroquois 100% |
| Flat Rate: | \$50.62 | \$50.62 |
| Consumption (\$0.79/ m ³): | \$8.69 | \$8.69 |
| WP Levy (\$1.03/ m ³): | \$11.33 | No Surcharge |
| Total: | \$70.64 | \$59.31 |



The user’s RSL utility bill would then look like the chart below:

| RSL Utility Bill | Iroquois |
|----------------------------|-----------------|
| “Water Charges” | \$59.31 |
| “Water Plant Capital Levy” | \$11.33 |
| “Sewer Charges” | \$59.31 |
| Total Bill | \$129.95 |

The water flat rate and consumption rate will increase by 4% per month **as of January 1, 2025**. This means that the corresponding wastewater rate for Iroquois would be affected by the increase at a rate of 100% of the water portion.

IROQUOIS WASTEWATER

RATE REVENUE- FLAT RATE AND CONSUMPTION

The following chart shows the budgeted revenue generated from the monthly flat rate and consumption charges:

| FLAT RATE | | | |
|--|--------------------|---------------------|-----------------------|
| Type of Meter (No. of Accounts) | Annual Rate | Monthly Rate | Annual Revenue |
| 5/8" Meter Residential (692) | \$607.42 | \$50.62 | \$420,335 |
| 5/8" Meter Non- Res (55) | \$607.42 | \$50.62 | \$33,408 |
| 1" Meter (8) | \$850.39 | \$70.87 | \$6,803 |
| 1 ½" Meter (1) | \$1,093.36 | \$91.11 | \$1,093 |
| 2" thru 4" Meter (9) | \$1,761.52 | \$146.79 | \$15,854 |
| 2025 Flat Rate Revenue Estimate | | | \$477,493 |

| CONSUMPTION | | | |
|--|------------------------|-----------------------|-----------------|
| 2025 Consumption Revenue Estimates from 2024 (@100%) | | | |
| Iroquois | 102,230 m ³ | \$0.79/m ³ | \$80,762 |
| 2025 Consumption Revenue Estimate | | | \$80,762 |



IROQUOIS WASTEWATER OPERATIONS

The following chart outlines the required funds for Iroquois wastewater operational costs from the proposed budget:

| Operational Expenses – Summarized | |
|--|------------------|
| Wages, Benefits & Development | \$111,392 |
| Utilities | \$117,000 |
| Communications | \$11,000 |
| Sampling | \$9,500 |
| Repairs & Maintenance | \$131,100 |
| Municipal Taxes | \$38,540 |
| Insurance | \$26,873 |
| RSL Contract & SD Finance staff support | \$42,845 |
| Net Required from Wastewater Rate | \$488,250 |

IROQUOIS WASTEWATER CAPITAL

The following chart outlines the required funds for Iroquois wastewater capital costs from the proposed budget:

| Capital Transactions | Capital | Minor Capital | Incremental Items |
|----------------------------------|----------------|----------------------|--------------------------|
| | | | |
| Digester Building Roof | \$30,000 | | |
| Reline Plaza Main | \$155,625 | | |
| Service Replacements | | \$16,000 | |
| Wastewater Master Plan | | | \$32,000 |
| Total: | \$185,625 | \$16,000 | \$32,000 |
| Net Required from Reserve | | | \$233,625 |



TRANSFERS TO RESERVES

The final component of the wastewater budget is the transfers to reserves. The following is the proposed transfer in 2025. This considers the increases effective January 1, 2025:

| | |
|--|-----------------|
| Contributions To Reserves | |
| Total Transfers | \$90,025 |
| Net Required from Wastewater Rate | \$90,025 |

IROQUOIS WASTEWATER BUDGET SUMMARY

The Municipality must have a balanced budget per Section 290 of the *Municipal Act, 2001*. The revenues must offset the net requirement/expenses of the wastewater budget. This includes all operating, capital, and transfers to reserves.

This is summarized below:

| Balancing the Iroquois Wastewater Budget | |
|---|------------------|
| Revenues | |
| Flat Rate Revenue | \$477,493 |
| Consumption Revenue | \$80,762 |
| New Connections Fees | \$20,000 |
| Total | \$578,255 |
| Net Required from Wastewater Rate | |
| Operations | \$488,250 |
| Transfer to Reserves | \$90,005 |
| Total | \$578,255 |



Asset Management

The replacement cost of the Municipality of South Dundas (Iroquois) wastewater infrastructure is estimated at nearly \$46 Million (2021 Dollars).

| Category | Quantity | Replacement Cost Method | Total Replacement Cost |
|-------------------|-----------------|---|-------------------------------|
| Sanitary Lines | 16856 m | User-Defined Cost | \$ 15,385,267.48 |
| Sanitary Manholes | 177 | User-Defined Cost | \$ 2,957,416.70 |
| Force Main | 1175 m | User-Defined Cost | \$ 360,833.00 |
| Sewer Buildings | 3 | CPI Tables - NRBCPI Quarterly (Toronto) | \$ 27,123,781.00 |
| Sewer Equipment | 1 | CPI Tables - CPI Monthly (ON) | \$ 160,445.00 |
| Total: | | | \$ 45,987,743.18 |

The 2024 year-end balance of the Iroquois Capital Fund Reserve is estimated to be just over \$1.16M. The reserve amount is relatively small when compared to the \$46M of wastewater assets.

Although the wastewater surcharge has not changed for 2024, the increase to the water rates positively affects the revenue of the Iroquois wastewater system and therefore will increase transfers to reserves.

The water rate study, considered factors regarding wastewater such as:

- 1) Desired annual \$574,000 contribution (Iroquois) as recommended in the Asset Management Plan,
- 2) Inflation

WASTEWATER – IROQUOIS

2024 ACCOMPLISHMENTS:

- Revised and Combined the ECA CII for Iroquois.
- Carried out a rate study for Iroquois.
- Iroquois auger screw upgrade for compactor completed.
- Collected all wastewater samples within the required deadlines.
- UV system revamped by Trojan technician
- HVAC inspections/upgrades
- SCADA upgrades
- Biosolid transfer pump assembled/installed
- Pump heads replaced for Alum pumps
- Took on the responsibility of completing compliance for wastewater resulting in huge savings
- Developed additional tools relating to compliance to help extract data
- All staff members have achieved wastewater licences of level 1 and higher

2025 BUDGET NOTABLES:

- Relining of Iroquois plaza sewer main (pending).
- New roof for Iroquois ATAD building.



For Period Ending 31-Dec-2025

| | ACTUAL | BUDGET | BUDGET | BUDGET |
|--|---------------------|---------------------|---------------------|---------------------|
| |2024..... |2024..... |2025..... | CHANGE |
| GENERAL FUND | | | | |
| Revenue | | | | |
| IROQUOIS WASTEWATER | | | | |
| Iroquois Sewer - Billing Revenue | (406,861.63) | (533,714.00) | (558,255.00) | (24,541.00) |
| Iroquois Sewer - Connection Fees | (10,000.00) | (20,000.00) | (20,000.00) | 0.00 |
| Iroquois Sewer - Transfer from Reserve | 0.00 | (61,750.00) | (233,625.00) | (171,875.00) |
| Total Revenue | (416,861.63) | (615,464.00) | (811,880.00) | (196,416.00) |
| Expense | | | | |
| IROQUOIS WASTEWATER | | | | |
| Wages & Benefits | 76,123.10 | 94,064.00 | 109,392.00 | 15,328.00 |
| Professional Development | 0.00 | 0.00 | 2,000.00 | 2,000.00 |
| Utilities | 104,767.81 | 115,000.00 | 117,000.00 | 2,000.00 |
| Communications | 8,955.85 | 11,000.00 | 11,000.00 | 0.00 |
| Sampling | 8,461.58 | 9,500.00 | 9,500.00 | 0.00 |
| Repairs & Maintenance | 87,874.76 | 115,200.00 | 131,100.00 | 15,900.00 |
| Contracts & Services | 55,642.39 | 62,646.00 | 42,845.00 | (19,801.00) |
| Insurance | 24,998.54 | 24,000.00 | 26,873.00 | 2,873.00 |
| Municipal Taxes | 36,358.26 | 37,500.00 | 38,540.00 | 1,040.00 |
| Capital | 46,349.75 | 61,750.00 | 233,625.00 | 171,875.00 |
| Transfer to Reserve Funds | 0.00 | 84,804.00 | 90,005.00 | 5,201.00 |
| Total Expense | 449,532.04 | 615,464.00 | 811,880.00 | 196,416.00 |
| Total GENERAL FUND | 32,670.41 | 0.00 | 0.00 | 0.00 |

Iroquois Wastewater Treatment Plant

Building Maintenance and Repairs Projected Expenses Summary

2025

Department: Water and Wastewater Operations
Submitted By: Jacob Bellefeuille

Project Title: Repairs & Maintenance
Account # : 1-4-4140-7130

Parts and Supplies

| | | | | |
|--|------------------------------------|----|---------------|--------------------------|
| <i>Trojan Technologies</i> | UV Disinfection System | \$ | 18,900 | <input type="checkbox"/> |
| <i>Laurentide Emerson</i> | Process Metering Equipment | \$ | 4,050 | <input type="checkbox"/> |
| <i>HACH Canada</i> | Laboratory Equipment and Chemicals | \$ | 3,450 | <input type="checkbox"/> |
| <i>Aerzen</i> | Positive Displacement Blowers | \$ | 3,350 | <input type="checkbox"/> |
| <i>Process Steam and Specialties</i> | Fittings & Valves | \$ | 3,000 | <input type="checkbox"/> |
| <i>Mr. Blais Sales & Services Inc.</i> | Generator Maintenance | \$ | 2,300 | <input type="checkbox"/> |
| <i>AC Mechanical</i> | Boiler and Glycol Parts | \$ | 2,250 | <input type="checkbox"/> |
| <i>Atel Air</i> | HVAC Supplies | \$ | 1,700 | <input type="checkbox"/> |
| <i>QEL LTD</i> | Gas Monitoring System Elements | \$ | 1,500 | <input type="checkbox"/> |
| <i>Veolia Water Technologies</i> | Headworks Supplies | \$ | 1,500 | <input type="checkbox"/> |
| <i>SPD Sales Limited</i> | Chemical Pump Accessories | \$ | 1,400 | <input type="checkbox"/> |
| <i>McMaster-Carr Supply</i> | Process Equipment Parts | \$ | 1,300 | <input type="checkbox"/> |
| <i>Cole-Parmer</i> | Laboratory Equipment | \$ | 900 | <input type="checkbox"/> |

Annual Services

| | | | | |
|--|---------------------------------------|----|--------------|--------------------------|
| <i>Mr. Blais Sales & Services Inc.</i> | Generator Inspection and Load Testing | \$ | 2,000 | <input type="checkbox"/> |
| <i>AC Mechanical</i> | Boiler and Glycol System | \$ | 2,000 | <input type="checkbox"/> |
| <i>Atel Air</i> | HVAC Servicing | \$ | 1,600 | <input type="checkbox"/> |
| <i>Capital Controls</i> | Flow Meter & Sensor Calibrations | \$ | 1,550 | <input type="checkbox"/> |
| <i>Acuren Group</i> | Lifting Devices Inspection | \$ | 1,500 | <input type="checkbox"/> |
| <i>QEL</i> | Gas Monitoring System Calibrations | \$ | 900 | <input type="checkbox"/> |
| <i>McGaw Technical Services</i> | Automatic Transfer Switch Testing | \$ | 900 | <input type="checkbox"/> |
| <i>BackFlow Preventers/Plumbers LTD</i> | BackFlow Preventers Inspection | \$ | 600 | <input type="checkbox"/> |
| <i>Tremblay Fire Solutions</i> | Fire Safety Equipment Inspection | \$ | 600 | <input type="checkbox"/> |

Upgrades and Developments

| | | | | |
|----------------------------------|--------------------------------------|----|--------------|--------------------------|
| <i>Capital Controls</i> | SCADA Program/Software Upgrades | \$ | 4,800 | <input type="checkbox"/> |
| <i>Tri Country Stainless LTD</i> | Process Piping Connections | \$ | 2,250 | <input type="checkbox"/> |
| <i>Rose Group Contractors</i> | Process Equipment Repairs | \$ | 2,250 | <input type="checkbox"/> |
| <i>Atel Air</i> | Electrical Diagnostics/Installations | \$ | 1,800 | <input type="checkbox"/> |

Hazardous Waste

| | | | | |
|-------------------------------|------------------------------|----|------------|--------------------------|
| <i>GFL Environmental Inc.</i> | Inorganic Material Disposal | \$ | 250 | <input type="checkbox"/> |
| <i>Trojan Technologies</i> | Electronic Material Disposal | \$ | 200 | <input type="checkbox"/> |

Miscellaneous

| | | | | |
|--|--------------------------------------|----|--------------|--------------------------|
| <i>Misc. Building Mnt. & Repairs</i> | Additional / Unexpected Expenditures | \$ | 4,000 | <input type="checkbox"/> |
|--|--------------------------------------|----|--------------|--------------------------|

Total Projected Expenses: \$ 73,000

Iroquois Wastewater Treatment Plant

Building Maintenance and Repairs Projected Expenses Breakdown

2025

Department: Water and Wastewater Operations
Submitted By: Jacob Bellefeuille

Project Title: Repairs & Maintenance
Account #: 1-4-4140-7130

Expense Summary

| Line | Expense Type | Projected Percentage | Projected Expense |
|--------------------------|-------------------------|----------------------|---------------------|
| (1) | Parts and Supplies | 62.7% | \$ 45,646.35 |
| (2) | Annual Services | 16.0% | \$ 11,633.35 |
| (3) | Upgrade and Development | 15.3% | \$ 11,130.50 |
| (4) | Hazardous Wastes | 0.7% | \$ 474.60 |
| (5) | Miscellaneous | 5.4% | \$ 3,955.00 |
| Total Projected Expense: | | | \$ 72,839.80 |
| Requested Budget: | | | \$ 73,000.00 |

(1) Parts and Supplies

(1.1) Trojan Technologies - Ultraviolet Disinfection System



| Product | Quantity | Unit Price | Amount |
|------------------------|----------|-------------------------|---------------------|
| Ultraviolet Lamp | 25 | \$ 495.00 | \$ 12,375.00 |
| UV Lamp Sleeve (4 pkg) | 1 | \$ 680.00 | \$ 680.00 |
| UV Sensor Sleeve | 1 | \$ 230.00 | \$ 230.00 |
| Ultraviolet Ballast | 1 | \$ 1,350.00 | \$ 1,350.00 |
| Wiper Cannister | 5 | \$ 105.00 | \$ 525.00 |
| Hydraulic Oil Filter | 1 | \$ 90.00 | \$ 90.00 |
| Acticlean Gel (4 pkg) | 1 | \$ 480.00 | \$ 480.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 500.00 | \$ 500.00 |
| | | Total: | \$ 16,730.00 |
| | | HST (13%): | \$ 2,174.90 |
| | | Projected Total: | \$ 18,904.90 |

(1.2) HACH Canada - Laboratory Equipment and Chemicals



| Product | Quantity | Unit Price | Amount |
|------------------------|----------|-------------------------|--------------------|
| Total Solids Filters | 2 | \$ 160.00 | \$ 320.00 |
| NH3 Salicylate Reagent | 1 | \$ 160.00 | \$ 160.00 |
| NH3 Cyanurate Reagent | 1 | \$ 105.00 | \$ 105.00 |
| Phosphate Reagent | 3 | \$ 75.00 | \$ 225.00 |
| Free Chlorine Reagent | 1 | \$ 40.00 | \$ 40.00 |
| pH Storage Solution | 1 | \$ 80.00 | \$ 80.00 |
| pH Standards (4,7,10) | 3 | \$ 25.00 | \$ 75.00 |
| pH Probe (PHC101) | 1 | \$ 600.00 | \$ 600.00 |
| Sodium Sulfite Powder | 1 | \$ 100.00 | \$ 100.00 |
| DO Probe Kit (LDO101) | 1 | \$ 300.00 | \$ 300.00 |
| BOD Bottles (6pkg) | 1 | \$ 240.00 | \$ 240.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 300.00 | \$ 300.00 |
| | | Total: | \$ 3,045.00 |
| | | HST (13%): | \$ 395.85 |
| | | Projected Total: | \$ 3,440.85 |

(1) Parts and Supplies cont.

(1.3) Laurentide Emerson - Process Metering Equipment



| Product | Quantity | Unit Price | Amount |
|--------------------------|----------|-------------------------|--------------------|
| Amperometric Sensor Sol. | 1 | \$ 280.00 | \$ 280.00 |
| Membrane Sensor Kit | 1 | \$ 800.00 | \$ 800.00 |
| Dissolved Oxygen Probe | 1 | \$ 2,200.00 | \$ 2,200.00 |
| Misc. Product | N/A | \$ 200.00 | \$ 200.00 |
| Freight | N/A | \$ 100.00 | \$ 100.00 |
| | | Total: | \$ 3,580.00 |
| | | HST (13%) | \$ 465.40 |
| | | Projected Total: | \$ 4,045.40 |

(1.4) Process Steam and Specialties - Fittings and Valves



| Product | Quantity | Unit Price | Amount |
|----------------------|----------|-------------------------|--------------------|
| ASCO 1" Solenoid | 1 | \$ 680.00 | \$ 680.00 |
| ASCO 1 1/2" Solenoid | 1 | \$ 780.00 | \$ 780.00 |
| Misc. Product | N/A | \$ 1,000.00 | \$ 1,000.00 |
| Freight | N/A | \$ 200.00 | \$ 200.00 |
| | | Total: | \$ 2,660.00 |
| | | HST (13%) | \$ 345.80 |
| | | Projected Total: | \$ 3,005.80 |

(1.5) SPD Sales Limited - Chemical Pump Accessories



| Product | Quantity | Unit Price | Amount |
|-----------------|----------|-------------------------|--------------------|
| Check Valve Kit | 2 | \$ 225.00 | \$ 450.00 |
| Connector Kit | 4 | \$ 45.00 | \$ 180.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 100.00 | \$ 100.00 |
| | | Total: | \$ 1,230.00 |
| | | HST (13%) | \$ 159.90 |
| | | Projected Total: | \$ 1,389.90 |

(1) Parts and Supplies cont.

(1.6) McMaster-Carr Supply - Process Equipment Parts



| Product | Quantity | Unit Price | Amount |
|-------------------------|----------|-------------------------|--------------------|
| Hollow-Cone Nozzles | 3 | \$ 35.00 | \$ 105.00 |
| Y-Strainer Screen | 3 | \$ 35.00 | \$ 105.00 |
| Y-Strainer Mesh | 5 | \$ 35.00 | \$ 175.00 |
| Chemical Tubing (per/f) | 20 | \$ 10.00 | \$ 200.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 100.00 | \$ 100.00 |
| | | Total: | \$ 1,185.00 |
| | | HST (13%) | \$ 154.05 |
| | | Projected Total: | \$ 1,339.05 |

(1.7) Aerzen - Positive Displacement Blowers



| Product | Quantity | Unit Price | Amount |
|----------------------------|----------|-------------------------|--------------------|
| Air Filter (DN80) | 3 | \$ 190.00 | \$ 570.00 |
| Air Filter (DN50) | 4 | \$ 160.00 | \$ 640.00 |
| Blower Oil Delta Lube (1L) | 5 | \$ 85.00 | \$ 425.00 |
| V-Belt | 4 | \$ 50.00 | \$ 200.00 |
| V-Belt Pulley | 2 | \$ 150.00 | \$ 300.00 |
| Pulley Taperlock Bushing | 2 | \$ 40.00 | \$ 80.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 250.00 | \$ 250.00 |
| | | Total: | \$ 2,965.00 |
| | | HST (13%) | \$ 385.45 |
| | | Projected Total: | \$ 3,350.45 |

(1.8) Cole-Parmer - Laboratory Equipment



| Product | Quantity | Unit Price | Amount |
|--------------------------|----------|-------------------------|------------------|
| Titration Burette (50mL) | 1 | \$ 190.00 | \$ 190.00 |
| Misc. Product | N/A | \$ 500.00 | \$ 500.00 |
| Freight | N/A | \$ 100.00 | \$ 100.00 |
| | | Total: | \$ 790.00 |
| | | HST (13%) | \$ 102.70 |
| | | Projected Total: | \$ 892.70 |

(1) Parts and Supplies cont.

(1.9) Atel Air - HVAC Supplies



| Product | Quantity | Unit Price | Amount |
|--------------------------|----------|-------------------------|--------------------|
| Pleated Filter (24x24x2) | 24 | \$ 15.00 | \$ 360.00 |
| Pleated Filter (20x20x2) | 8 | \$ 15.00 | \$ 120.00 |
| Pleated Filter (1x16x25) | 4 | \$ 10.00 | \$ 40.00 |
| Misc. Product | N/A | \$ 1,000.00 | \$ 1,000.00 |
| Freight | N/A | \$ - | \$ - |
| | | Total: | \$ 1,520.00 |
| | | HST (13%) | \$ 197.60 |
| | | Projected Total: | \$ 1,717.60 |

(1.10) AC Mechanical - Boiler and Glycol System Parts



| Product | Quantity | Unit Price | Amount |
|---------------------|----------|-------------------------|--------------------|
| Ignition Electrodes | 4 | \$ 250.00 | \$ 1,000.00 |
| Misc. Product | N/A | \$ 1,000.00 | \$ 1,000.00 |
| Freight | N/A | \$ - | \$ - |
| | | Total: | \$ 2,000.00 |
| | | HST (13%) | \$ 260.00 |
| | | Projected Total: | \$ 2,260.00 |

(1.11) Quatrosense Environmental LTD - Gas Monitoring



| Product | Quantity | Unit Price | Amount |
|----------------------|----------|-------------------------|--------------------|
| Flame Sensor Element | 1 | \$ 800.00 | \$ 800.00 |
| O2 Sensor Element | 1 | \$ 350.00 | \$ 350.00 |
| Misc. Product | N/A | \$ 200.00 | \$ 200.00 |
| Freight | N/A | \$ - | \$ - |
| | | Total: | \$ 1,350.00 |
| | | HST (13%) | \$ 175.50 |
| | | Projected Total: | \$ 1,525.50 |



(1) Parts and Supplies cont.

(1.12) Veolia Water Technologies - Headworks Supplies



| Product | Quantity | Unit Price | Amount |
|----------------------|----------|-------------------------|--------------------|
| Screen Brass Nozzles | 10 | \$ 20.00 | \$ 200.00 |
| Misc. Parts | N/A | \$ 1,000.00 | \$ 1,000.00 |
| Freight | N/A | \$ 100.00 | \$ 100.00 |
| | | Total: | \$ 1,300.00 |
| | | HST (13%) | \$ 169.00 |
| | | Projected Total: | \$ 1,469.00 |

(1.13) Mr. Blais Sales & Services Inc. - Generator



| Product | Quantity | Unit Price | Amount |
|---------------------------|----------|-------------------------|--------------------|
| 15W40 Engine Oil (Litres) | 115 | \$ 12.00 | \$ 1,380.00 |
| Engine Coolant | 2 | \$ 25.00 | \$ 50.00 |
| Oil Filter (FS1007) | 1 | \$ 95.00 | \$ 95.00 |
| Filter (LF9070) | 1 | \$ 125.00 | \$ 125.00 |
| Fuel Filter (FF5206/5207) | 1 | \$ 20.00 | \$ 20.00 |
| Equipment Rental | 9 | \$ 30.00 | \$ 270.00 |
| Misc. Parts | N/A | \$ 100.00 | \$ 100.00 |
| Freight | N/A | \$ - | \$ - |
| | | Total: | \$ 2,040.00 |
| | | HST (13%) | \$ 265.20 |
| | | Projected Total: | \$ 2,305.20 |



(2) Annual Services

(2.1) Mr. Blaise Sales & Services Inc. - Generator



| Service | Hours | Hourly Rate | Amount |
|-------------------------|-------|-------------------------|--------------------|
| IWWTP Generator | 10 | \$ 120.00 | \$ 1,200.00 |
| Elizabeth SPS Generator | 5 | \$ 120.00 | \$ 600.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 1,800.00 |
| | | HST (13%) | \$ 234.00 |
| | | Projected Total: | \$ 2,034.00 |

(2.2) Capital Controls - Flow Meter & Sensor Calibrations




| Service | Quantity | Unit Rate | Amount |
|--------------------|----------|-------------------------|--------------------|
| IWWTP Calibrations | 10 | \$ 125.00 | \$ 1,250.00 |
| Service Call | N/A | \$ 120.00 | \$ 120.00 |
| | | Total: | \$ 1,370.00 |
| | | HST (13%) | \$ 178.10 |
| | | Projected Total: | \$ 1,548.10 |


(2.3) AC Mechanical - Boiler and Glycol System Parts




| Service | Hours | Hourly Rate | Amount |
|---------------|-------|-------------------------|--------------------|
| Boiler System | 10 | \$ 150.00 | \$ 1,500.00 |
| Service Call | N/A | \$ 250.00 | \$ 250.00 |
| | | Total: | \$ 1,750.00 |
| | | HST (13%) | \$ 227.50 |
| | | Projected Total: | \$ 1,977.50 |

(2) Annual Services cont.

| (2.4) Quatrosense Environmental LTD - Gas Monitoring System | | | |  | |
|--|----------|------------------|--|---|--|
| Service | Quantity | Unit Rate | | Amount | |
| IWWTP Gas Monitors | 10 | \$ 60.00 | | \$ 600.00 | |
| ESPS Gas Monitor | 1 | \$ 220.00 | | \$ 220.00 | |
| Service Call | N/A | \$ - | | \$ - | |
| | | Total: | | \$ 820.00 | |
| | | HST (13%) | | \$ 106.60 | |
| | | Projected Total: | | \$ 926.60 | |

| (2.5) Atel Air - HVAC Supplies | | | |  | |
|---------------------------------------|-------|------------------|--|---|--|
| Service | Hours | Hourly Rate | | Amount | |
| Make-Up Air Unit | 4 | \$ 120.00 | | \$ 480.00 | |
| Gas Furnace + HRV | 4 | \$ 120.00 | | \$ 480.00 | |
| AC Units | 4 | \$ 120.00 | | \$ 480.00 | |
| Service Call | N/A | \$ - | | \$ - | |
| | | Total: | | \$ 1,440.00 | |
| | | HST (13%) | | \$ 187.20 | |
| | | Projected Total: | | \$ 1,627.20 | |

| (2.6) McGaw Technical Services - Automatic Transfer Switch | | | |  | |
|---|----------|------------------|--|---|--|
| Service | Quantity | Unit Rate | | Amount | |
| IWWTP Transfer Switch | 1 | \$ 525.00 | | \$ 525.00 | |
| ESPS Transfer Switch | 1 | \$ 270.00 | | \$ 270.00 | |
| Service Call | N/A | \$ - | | \$ - | |
| | | Total: | | \$ 795.00 | |
| | | HST (13%) | | \$ 103.35 | |
| | | Projected Total: | | \$ 898.35 | |

(2) Annual Services cont.

(2.7) BackFlow Preventers/Plumbers LTD - Backflow Preventers



| Service | Quantity | Unit Rate | Amount |
|---------------------|----------|-------------------------|------------------|
| Backflow Preventers | 4 | \$ 125.00 | \$ 500.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 500.00 |
| | | HST (13%) | \$ 65.00 |
| | | Projected Total: | \$ 565.00 |

(2.8) Acuren Group - Lifting Devices




| Service | Quantity | Unit Rate | ACUREN Amount |
|-----------------|----------|-------------------------|--------------------|
| Lifting Devices | 12 | \$ 110.00 | \$ 1,320.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 1,320.00 |
| | | HST (13%) | \$ 171.60 |
| | | Projected Total: | \$ 1,491.60 |

(2.9) Tremblay Fire Solutions - Fire Safety Equipment




| Service | Quantity | Unit Rate | Amount |
|------------------------|----------|-------------------------|------------------|
| Fire Safety Inspection | 1 | \$ 500.00 | \$ 500.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 500.00 |
| | | HST (13%) | \$ 65.00 |
| | | Projected Total: | \$ 565.00 |


(3) Upgrades and Developments

(3.1) Capital Controls - SCADA Program/Software Upgrades 


| Service | Hours | Hourly Rate | Amount |
|--------------|-------|-------------------------|--------------------|
| SCADA System | 30 | \$ 130.00 | \$ 3,900.00 |
| Service Call | N/A | \$ 350.00 | \$ 350.00 |
| | | Total: | \$ 4,250.00 |
| | | HST (13%) | \$ 552.50 |
| | | Projected Total: | \$ 4,802.50 |

(3.2) Tri County Stainless LTD - Process Piping Connections 

| Service | Hours | Unit Rate | Amount |
|---------------|-------|-------------------------|--------------------|
| Piping Repair | N/A | \$ 2,000.00 | \$ 2,000.00 |
| | N/A | \$ - | \$ - |
| | | Total: | \$ 2,000.00 |
| | | HST (13%) | \$ 260.00 |
| | | Projected Total: | \$ 2,260.00 |

(3.3) Atel Air - Electrical System 

| Service | Hours | Hourly Rate | Amount |
|----------------------------|-------|-------------------------|--------------------|
| Diagnostics & Installation | 20 | \$ 80.00 | \$ 1,600.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 1,600.00 |
| | | HST (13%) | \$ 208.00 |
| | | Projected Total: | \$ 1,808.00 |

(3.4) Rose Group Contractors - Process Equipment Repair 

| Service | Hours | Unit Rate | Amount |
|------------------|-------|-------------------------|--------------------|
| Equipment Repair | N/A | \$ 2,000.00 | \$ 2,000.00 |
| Service Call | N/A | \$ - | \$ - |
| | | Total: | \$ 2,000.00 |
| | | HST (13%) | \$ 260.00 |
| | | Projected Total: | \$ 2,260.00 |



(4) Hazardous Waste

(4.1) GFL Environmental Inc. - Inorganic Material




| Disposal | Quantity | Unit Rate | Amount |
|--------------------------|----------|-------------------------|------------------|
| Grit Bin Pickup (6.00YD) | 2 | \$ 110.00 | \$ 220.00 |
| Environmental Fee | N/A | \$ - | \$ - |
| | | Total: | \$ 220.00 |
| | | HST (13%) | \$ 28.60 |
| | | Projected Total: | \$ 248.60 |

(4.2) Trojan Technologies - Ultraviolet System Electronics



| Disposal | Quantity | Unit Rate | Amount |
|-------------------|----------|-------------------------|------------------|
| Electronics | N/A | \$ - | \$ - |
| Environmnetal Fee | N/A | \$ 200.00 | \$ 200.00 |
| | | Total: | \$ 200.00 |
| | | HST (13%) | \$ 26.00 |
| | | Projected Total: | \$ 226.00 |

(5) Miscellaneous

| (5.1) South Dundas - Miscellaneous | | | |  The Municipality of SOUTH DUNDAS | |
|---|----------|-------------|----|--|--------------------|
| Product | Quantity | Unit Price | | Amount | |
| (UPS) Power Supply | 1 | \$ 1,000.00 | \$ | 1,000.00 | |
| Housekeeping | N/A | \$ 500.00 | \$ | 500.00 | |
| IWWTP Batteries | N/A | \$ 500.00 | \$ | 500.00 | |
| Process Belts | N/A | \$ 500.00 | \$ | 500.00 | |
| Misc. Items | N/A | \$ 1,000.00 | \$ | 1,000.00 | |
| | | | | Total: | \$ 3,500.00 |
| | | | | HST (13%) | \$ 455.00 |
| | | | | Projected Total: | \$ 3,955.00 |

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: Iroquois Wastewater Collection Budget

Description: Below is a list of items identified for purchase for the Collection System:

- Road repair and paving \$10,000
- Sewer Main Flushing & Camera \$10,000
- Sewer pipe and Ferncos \$3,000
- Stone 5/8" \$2,000

Project Cost: \$25,000
Budget line: 1-4-4145-7130

Recommended Financing: Iroquois Wastewater User Fees



Williamsburg Wastewater Treatment System

Williamsburg's sewage lagoon is a Class I wastewater treatment system owned and operated by the Municipality of South Dundas. The system consists of two sewage pumping stations which transport raw sewage along a force main to a two-cell waste stabilization pond with annual discharge to the McMartin Drain.

There are 284 units connected to the Williamsburg wastewater system. These customers are billed annually through their property tax bills. Currently, users pay \$251.97 (2024) per unit annually for this service. The fee for any new connections to the system is \$2,500.





WILLIAMSBURG WASTEWATER

RATE REVENUE- FLAT RATE

The following chart shows the revenue generated from the annual flat rate. The highlighted revenue estimate is included in the proposed budget:

| FLAT RATE | | | |
|--|--------------|----------------------|-----------------------|
| RTC/RTQ | Units | # of Accounts | Annual Revenue |
| RT | 1.0 | 167 | \$56,638.32 |
| RT | 1.5 | 7 | \$3,561.09 |
| RT | 2.0 | 6 | \$4,069.82 |
| RT | 2.5 | 2 | \$847.88 |
| RT | 3.0 | 4 | \$4,069.82 |
| CT | 1.5 | 10 | \$5,087.27 |
| CT | 2.0 | 6 | \$4,069.82 |
| CF | 1.5 | 1 | \$508.73 |
| MT | 8.0 | 1 | \$2,713.21 |
| MT | 11.0 | 1 | \$3,730.67 |
| MT | 19.5 | 1 | \$6,613.46 |
| E | 1.0 | 1 | \$339.15 |
| E | 1.5 | 1 | \$508.73 |
| E | 2.0 | 4 | \$2,713.21 |
| 2025 Flat Rate Revenue Estimate | | | \$96,319.06 |



WILLIAMSBURG WASTEWATER OPERATIONS

The following chart outlines the required funds for Williamsburg wastewater operational costs from the proposed budget:

| Operational Expenses – Summarized | |
|--|-----------------|
| Wages, Benefits & Development | \$10,020 |
| Utilities | \$3,800 |
| Communications | \$4,300 |
| Sampling | \$2,500 |
| Repairs & Maintenance | \$14,900 |
| Insurance | \$6,718 |
| Net Required from Wastewater Rate | \$42,238 |

WILLIAMSBURG WASTEWATER CAPITAL

No capital or major maintenance is planned for 2025.

TRANSFERS TO RESERVES

The final component of the wastewater budget is the transfers to reserves. The following is the proposed transfer in 2024. This considers the increases effective January 1, 2024:

| | |
|--|-----------------|
| Contributions To Reserves | |
| Total Transfers | \$54,081 |
| Net Required from Wastewater Rate | \$54,081 |



WILLIAMSBURG WASTEWATER BUDGET SUMMARY

The Municipality must have a balanced budget per Section 290 of the *Municipal Act, 2001*. The revenues must offset the net requirement/expenses of the wastewater budget. This includes all operating, capital, and transfers to reserves.

This is summarized below:

| Balancing the Williamsburg Wastewater Budget | |
|---|-----------------|
| Revenues | |
| Flat Rate Revenue | \$96,319 |
| Total | \$96,319 |
| Net Required from Wastewater Rate | |
| Operations | \$42,238 |
| Transfer to Reserves | \$54,081 |
| Total | \$96,319 |



Asset Management

The replacement cost of the Municipality of South Dundas (Williamsburg) wastewater infrastructure is estimated at just over \$3.6 Million (2021 Dollars).

| Category | Quantity | Replacement Cost Method | Total Replacement Cost |
|-------------------|-----------------|---|-------------------------------|
| Sanitary Lines | 4181 m | User-Defined Cost | \$ 2,066,943.00 |
| Sanitary Manholes | 55 | User-Defined Cost | \$ 954,590.76 |
| Force Main | 752 m | User-Defined Cost | \$ 131,080.00 |
| Sewer Buildings | 3 | CPI Tables - NRBCPI Quarterly (Toronto) | \$ 388,284.00 |
| Sewer Equipment | 4 | CPI Tables - CPI Monthly (ON) | \$ 101,338.00 |
| Total: | | | \$ 3,642,235.76 |

Staff have increased the Williamsburg Sewer Service Rate by 34.6% to become effective as of January 1, 2025. The proposed rate, if approved, would be reflected on the Municipal Final Tax Notice to be issued in June 2025.

The 2024 ending balance of the Williamsburg Capital Reserve Fund is estimated to be just over \$168,000.

The target annual contribution (Williamsburg), as recommended in the Asset Management Plan, is \$48,000.

WASTEWATER – WILLIAMSBURG

2024 ACCOMPLISHMENTS:

- Revised and Combined the ECA CII for Williamsburg.
- Flushed every sewer main in Williamsburg.
- Repaired broken gate valves at the Williamsburg lagoon.
- Collected all wastewater samples within the required deadlines.
- Took on the responsibility of completing compliance for wastewater, resulting in huge savings
- Developed additional tools relating to compliance to help extract data
- All staff members have achieved wastewater licences of level 1 and higher.



For Period Ending 31-Dec-2025

| | ACTUAL | BUDGET | BUDGET | BUDGET |
|--|--------------------|--------------------|--------------------|--------------------|
| |2024..... |2024..... |2025..... | CHANGE |
| GENERAL FUND | | | | |
| Revenue | | | | |
| WILLIAMSBURG WASTEWATER | | | | |
| Williamsburg Sewer - S.A.R. Tax Levy | (71,559.59) | (71,560.00) | (96,320.00) | (24,760.00) |
| Williamsburg Sewer - Transfer from Res | (3,826.18) | (7,000.00) | 0.00 | 7,000.00 |
| Total Revenue | (75,385.77) | (78,560.00) | (96,320.00) | (17,760.00) |
| Expense | | | | |
| WILLIAMSBURG WASTEWATER | | | | |
| Wages & Benefits | 7,273.65 | 7,616.00 | 9,020.00 | 1,404.00 |
| Professional Development | 0.00 | 0.00 | 1,000.00 | 1,000.00 |
| Utilities | 3,194.66 | 3,800.00 | 3,800.00 | 0.00 |
| Communications | 3,524.79 | 4,300.00 | 4,300.00 | 0.00 |
| Sampling | 2,218.34 | 2,500.00 | 2,500.00 | 0.00 |
| Repairs & Maintenance | 8,977.11 | 13,900.00 | 13,900.00 | 0.00 |
| Contracts & Services | 4,510.45 | 8,983.00 | 1,000.00 | (7,983.00) |
| Insurance | 6,249.64 | 6,000.00 | 6,718.00 | 718.00 |
| Capital | 5,491.00 | 7,000.00 | 0.00 | (7,000.00) |
| Transfer to Reserve Funds | 0.00 | 24,461.00 | 54,082.00 | 29,621.00 |
| Total Expense | 41,439.64 | 78,560.00 | 96,320.00 | 17,760.00 |
| Total GENERAL FUND | (33,946.13) | 0.00 | 0.00 | 0.00 |

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: **Williamsburg Wastewater Maintenance & Supplies**
Description: Below is a list of items identified for purchase for the Collection System:

- Clean out pumping stations \$3,000
- Hydro vac manholes \$2,000
- Annual generator service \$1,500
- Annual Calibration of flow sensor \$1,000
- Lagoon sample packs \$1,000
- New pipework for County Road 31 station \$1,000

Project Cost: \$8,500
Budget line: 1-4-4110-7130

Recommended Financing: Williamsburg Wastewater User Fees



2025 DRAFT CAPITAL BUDGET

| Project/Purchase | SD WATER | WASTEWATER | | | | | |
|-------------------------------------|------------|------------|---------------|-------------|------------|---------------|-------------|
| | Capital | Morrisburg | | | Iroquois | | |
| | | Capital | Minor Capital | Incremental | Capital | Minor Capital | Incremental |
| GAC 2 Carbon Replacement | \$ 136,240 | | | | | | |
| WTP LED Lighting | \$ 7,000 | | | | | | |
| Hydrant Replacment (3) | \$ 18,000 | | | | | | |
| Relining Morrisburg Plaza | \$ 737,000 | \$ 410,635 | | | | | |
| Replace Trojan UV system | | \$ 478,000 | | | | | |
| Digester Building Roof | | | | | \$ 30,000 | | |
| Relining Iroquois Plaza Main | | | | | \$ 155,625 | | |
| Wastewater Master Plan | | | | \$ 32,000 | | | \$ 32,000 |
| Collection Service Replacements (4) | | | \$ 16,000 | | | \$ 16,000 | |
| Total: | \$ 898,240 | \$ 888,635 | \$ 16,000 | \$ 32,000 | \$ 185,625 | \$ 16,000 | \$ 32,000 |

FUNDING

| | |
|--------------------------|---------------------|
| SD Water Reserves | \$ 898,240 |
| Morrisburg Sewer Reserve | \$ 936,635 |
| Iroquois Sewer Reserve | \$ 233,625 |
| | <u>\$ 2,068,500</u> |

MUNICIPALITY OF SOUTH DUNDAS

**CAPITAL BUDGET PROGRAM
PROJECT DATA SHEET
2025**

Department: Water & Wastewater
Submitted By: Denis Villeneuve

Project Title: Water - Capital

Description: **Significant Water plant Equipment Inventory**
The Water plant was built in the year of 2005 which brings the water plant to 19 years old. Several pieces of the equipment are starting to see significant wear and needs repair. We also have some equipment that is crucial to maintaining a consistent high quality water supply.

To Purchase:

- **Carbon replacement for GAC x2** **\$ 136,240**
It is recommended to replace the contents inside the GAC tanks for better water qualities, such as taste and odor.
- **LED lighting for WTP** **\$ 7,000**
Upgrading to LED will save money in the long run and be more efficient.
- **Morrisburg Plaza Relining** **\$737,000**
- **Hydrant replacements (3) and Flags** **\$18,000**
- **Internet Upgrade** **\$?**
An internet upgrade is needed to improve everyday tasks, as SCADA currently shares the same network with other devices. As a result, SCADA can be slow or even unresponsive periodically throughout the day.

Project Cost: \$ 898,240
Budget Line: 1-4-4400-8200;
1-4-4450-8200

Recommended Financing: Water Capital – Reserve Fund

MUNICIPALITY OF SOUTH DUNDAS

MAINTENANCE ITEMS
PROJECT DATA SHEET
2025

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: Morrisburg Wastewater – Capital

Description:

Below is a list Capital items identified for the Morrisburg Wastewater Plant:

New UV System:

- New Trojan UV 3000Plus System \$478,000
- Upgrade to Denora C3500D UV System \$523,000

Alternative:

- UV Power supply ballast card repairs \$20,000
- Additional Reserve Contribution for New UV system \$25,000

Project Title: Morrisburg Wastewater Collection - Capital

- Morrisburg Plaza Relining \$410,635.00

Project Cost: \$ 888,635
Budget line: 1-4-4130-8200;
1-4-4135-8200

Recommended Financing: Morrisburg Wastewater Capital Reserve Fund



Iroquois Wastewater Treatment Plant

Capital Reserves Projected Expenses Summary 2025

Department: Water and Wastewater Operations
Submitted By: Jacob Bellefeuille

Project Title: Capital Expense
Account # : 1-4-4140-8200

Infrastructure Repair

David Jansen

| | | | |
|--|----|---------------|--------------------------|
| Digester Building Roof Repair (2024 Reserve) | \$ | 10,000 | <input type="checkbox"/> |
| Digester Building Roof Repair (2025) | \$ | 20,000 | <input type="checkbox"/> |

Total Projected Expenses: \$ **30,000**

MUNICIPALITY OF SOUTH DUNDAS

**MAINTENANCE ITEMS
PROJECT DATA SHEET
2025**

Department: Water - Wastewater
Submitted By: Denis Villeneuve

Project Title: Iroquois Wastewater Collection - Capital

Description:

Below is a list of capital items identified for purchase for the Collection System:

- Iroquois Plaza Relining \$155,625

Project Cost: \$155,625
Budget line: 1-4-4145-8200

Recommended Financing: Iroquois Wastewater Capital Reserve Fund

| RESERVE / RESERVE FUNDS @ DECEMBER 31, 2023 | | | | | | | | | |
|--|---------------|---------------------|---------------|-----------------|---------------------|---------------|-------------------|---------------------|--------------------------------|
| AUDITED YEAR END | | 2023 ENDING BALANCE | 2024 BUDGET | | 2024 ENDING BALANCE | 2025 BUDGET | | 2025 ENDING BALANCE | COMMENTS |
| RESERVE FUNDS: | | | TO | FROM | | TO | FROM | | |
| WASTEWATER WILLIAMSBURG CAPITAL RESERVE FUND | 1-2-2000-9145 | \$ 161,644.71 | \$ 24,461.00 | \$ (7,000.00) | \$ 179,105.71 | \$ 54,083.00 | | \$ 233,188.71 | |
| WASTEWATER MORRISBURG CAPITAL RESERVE FUND | 1-2-2000-9345 | \$ 1,083,577.52 | \$ 240,558.00 | \$ (44,750.00) | \$ 1,279,385.52 | \$ 255,916.00 | \$ (936,635.00) | \$ 598,666.52 | Morr Plaza & Replace UV |
| WASTEWATER DUTCH MEADOWS RESERVE FUND | 1-2-2000-9350 | \$ 153,335.76 | \$ 2,534.76 | \$ (31,885.00) | \$ 123,985.52 | | \$ (31,885.00) | \$ 92,100.52 | |
| WATER CAPITAL RESERVE FUND | 1-2-2000-9351 | \$ 1,122,646.35 | \$ 486,845.00 | \$ (122,165.00) | \$ 1,487,326.35 | \$ 517,127.00 | \$ (898,240.00) | \$ 1,106,213.35 | Morr Plaza & GAC 2 |
| WASTEWATER IROQUOIS CAPITAL RESERVE FUND | 1-2-2000-9445 | \$ 1,108,563.17 | \$ 84,804.00 | \$ (61,750.00) | \$ 1,131,617.17 | \$ 90,025.00 | \$ (435,250.00) | \$ 786,392.17 | Iroq Plaza & Digester Bld Roof |
| SD INFRASTRUCTURE SHARES - RSL | 1-2-2000-9090 | \$ 1,596,877.81 | \$ 102,479.20 | | \$ 1,699,357.01 | | | \$ 1,699,357.01 | |
| DEFERRED REVENUE - IROQUOIS SEWER PLANT | 1-2-2050-9071 | \$ - | | | \$ - | | | \$ - | |
| RESERVES: | | | | | | | | | |
| WASTEWATER RATE STABILIZATION GENERAL RESERVE - WILLIAMSBURG | 1-2-2100-9145 | \$ 7,289.98 | | | \$ 7,289.98 | | | \$ 7,289.98 | |
| WATER RATE STABILIZATION GENERAL RESERVE | 1-2-2100-9344 | \$ 221,672.01 | | | \$ 221,672.01 | | | \$ 221,672.01 | |
| WASTEWATER RATE STABILIZATION GENERAL RESERVE - MORRISBURG | 1-2-2100-9345 | \$ 292,362.98 | | | \$ 292,362.98 | | | \$ 292,362.98 | |
| WASTEWATER RATE STABILIZATION GENERAL RESERVE - IROQUOIS | 1-2-2100-9445 | \$ 117,020.65 | | | \$ 117,020.65 | | | \$ 117,020.65 | |
| | | | | | | | | | |
| | | \$ 5,864,990.94 | \$ 941,681.96 | \$ (267,550.00) | \$ 6,539,122.90 | \$ 917,151.00 | \$ (2,302,010.00) | \$ 5,154,263.90 | |