



City of Hamilton
GENERAL ISSUES COMMITTEE (BUDGET)
AGENDA

Meeting #: 23-029(a)
Date: November 21, 2023
Time: 9:30 a.m.
Location: Council Chambers
Hamilton City Hall
71 Main Street West

Angela McRae, Legislative Coordinator (905) 546-2424 ext. 5987

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1. APPROVAL OF AGENDA	
2. DECLARATIONS OF INTEREST	
3. APPROVAL OF MINUTES OF PREVIOUS MEETING	
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CITY OF HAMILTON
CORPORATE SERVICES DEPARTMENT
Financial Planning, Administration and Policy Division

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	November 21, 2023
SUBJECT/REPORT NO:	2024 Recommended Water, Wastewater and Stormwater Rate Supported Budget (FCS23100) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Matt Hilson (905) 546-2424 Ext. 1444 Katie Black (905) 546-2424 Ext. 6415
SUBMITTED BY:	Mike Zegarac General Manager, Finance and Corporate Services Corporate Services Department
SIGNATURE:	

RECOMMENDATION(S)

- (a) That the metered water consumption charges for average residential properties (meters < 25mm in size) in the City of Hamilton be imposed at the following rates, effective January 1, 2024:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	1.07
> 10	2.13

- (b) That the metered water consumption charge for commercial, industrial, institutional and larger residential properties (meters = >25mm in size) in the City of Hamilton be imposed at the rate of \$2.13 per cubic metre, effective January 1, 2024;
- (c) That daily water fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2024:

Meter Size	Daily Water Rate
15 mm	\$0.48
16 mm	\$0.48
20 mm	\$0.48
21 mm	\$0.48
25 mm	\$1.20
38 mm	\$2.40
50 mm	\$3.84
75 mm	\$7.68
100 mm	\$12.00
150 mm	\$24.00
200 mm	\$38.40
250 mm	\$55.20
300 mm	\$81.60

- (d) That the wastewater / storm treatment charges for average residential properties (meters < 25mm in size) in the City of Hamilton be imposed at the following rates, effective January 1, 2024:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	1.08
> 10	2.15

- (e) That the wastewater / storm treatment charge for all commercial, industrial, institutional and larger residential properties (meters = >25mm in size) in the City of Hamilton be imposed at the rate of \$2.15 per cubic metre, effective January 1, 2024;
- (f) That daily wastewater / storm fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2024:

Meter Size	Daily Wastewater / Storm Rate
15 mm	\$0.52
16 mm	\$0.52
20 mm	\$0.52
21 mm	\$0.52
25 mm	\$1.30
38 mm	\$2.60
50 mm	\$4.16
75 mm	\$8.32
100 mm	\$13.00
150 mm	\$26.00
200 mm	\$41.60
250 mm	\$59.80
300 mm	\$88.40

- (g) That the residential non-metered annual water rate be imposed at the flat rate of \$777.45 per annum, effective January 1, 2024;
- (h) That the residential non-metered annual wastewater / storm rate be imposed at the flat rate of \$784.75 per annum, effective January 1, 2024;
- (i) That the residential combined non-metered annual water and wastewater / storm rate be imposed at the flat rate of \$1,562.20 per annum, effective January 1, 2024;
- (j) That the Private Fire Line rates be imposed at the following rates, effective January 1, 2024:

Connection Size		Monthly Rate
mm	inches	
25	1	\$4.67
38	1.5	\$10.74
50	2	\$18.68
75	3	\$42.02
100	4	\$74.70
150	6	\$168.08
200	8	\$298.81
250	10	\$298.81
300	12	\$298.81

SUBJECT: 2024 Recommended Water, Wastewater and Stormwater Rate Supported Budget (FCS23100) (City Wide) – Page 4 of 41

- (k) That the 2024 Water, Wastewater and Storm Proposed User Fees and Charges be imposed as per Appendix “G” to Report FCS23100, effective January 1, 2024;
- (l) That the 2024 Water, Wastewater and Stormwater Rate Supported Operating Budget in the amount of \$303,338,939 be approved as per Appendix “A” to Report FCS23100;
- (m) That the long-term financing plan for the Water, Wastewater and Stormwater programs and related rate increases required to meet sustainable financing as identified in the 2024 Water, Wastewater and Stormwater Rate Supported Operating Budget forecast 2025-2033 (Appendix “A” to Report FCS23100) be approved, in principle;
- (n) That the 2024 Water, Wastewater and Stormwater Rate Supported Capital Budget and Financing Plan in the amount of \$285,872,000 be approved as per Appendices “K”, “N”, “Q” and “S” to Report FCS23100;
- (o) That the 2025-2033 Water, Wastewater and Stormwater Rate Supported Capital Budget forecast and financing plan (Appendix “I” to Report FCS23100) be approved, in principle;
- (p) That the City Solicitor be authorized and directed to prepare, for Council approval, all necessary by-laws respecting the 2024 water and wastewater / storm user fees, charges and rates set out in Recommendations (a) through (k) of Report FCS23100;
- (q) That the 2024 Rate Supported Staffing Summary, inclusive of the proposed Business Cases, be approved as per Appendix “F” to Report FCS23100;
- (r) That the General Manager, Finance and Corporate Services, be authorized and directed to negotiate and confirm the terms for the placement and issuance of all debenture issue(s), and / or private placement debenture issue(s), in either a public or private market and / or bank loan agreements and debenture issue(s) and / or variable interest rate bank loan agreements and debenture issue(s), in an amount not to exceed \$70,439,684 Canadian currency as attached in Appendices “K”, “N” and “Q” to Report FCS23100, which includes \$39,869,133 in Rate Supported municipal debt and \$30,570,551 Rate Supported Development Charges municipal debt;
- (s) i) That the General Manager, Finance and Corporate Services, be authorized to engage the services of all required professionals to secure the terms and issuance of the debenture issue(s) described in Recommendations (r) and (t) including, but not limited to, external legal counsel and fiscal agents;

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SUBJECT: 2024 Recommended Water, Wastewater and Stormwater Rate Supported Budget (FCS23100) (City Wide) – Page 5 of 41

- ii) That the General Manager, Finance and Corporate Services, is authorized and directed, on behalf of the City of Hamilton, to enter into and / or execute, all agreements and necessary ancillary documents to secure the terms and issuance of the debenture issue(s) described in Recommendations (r) and (s) and conditional upon the by-law being enacted as described in Recommendation (t) to Report FCS23100, on terms and conditions satisfactory to the General Manager, Finance and Corporate Services, and in a form satisfactory to the City Solicitor;
- (t) That staff be authorized and directed to prepare all necessary By-Law(s), for Council's consideration, for the purpose of authorizing debenture issue(s) described in Recommendation (r) to Report FCS23100;
- (u) That the City of Hamilton appeal to the Provincial Government of Ontario and the Federal Government of Canada for financial assistance in addressing the infrastructure deficit in the water, wastewater and storm programs.

EXECUTIVE SUMMARY

The 2024 Recommended Water, Wastewater and Stormwater (Rate) Budget is submitted for Council's consideration. The 2024 Rate Budget balances the need to invest in environmental infrastructure upgrades and changing trends in demand for water and growth in users in consideration of affordability and the financial burden on residential properties given the current economic environment.

The recommended budget, if approved, would result in an average residential water / wastewater / stormwater bill of \$965.40 based on 200 m³ of consumption representing an increase of 10.04%, or \$88.10 per household, over 2023.

Table 1 summarizes the budget changes for the 2024 Requested Budget.

Table 1

Summary of the 2024 Operating Budget				
(\$ millions)	2023 Restated Budget	2024 Requested Budget	2024 Requested / 2023 Restated Change	
Expenditures				
Program Expenditures	\$ 108.5	\$ 121.1	\$ 12.6	11.6%
Capital / Debt / Reserve Financing	\$ 163.9	\$ 182.2	\$ 18.3	11.2%
Total Expenditures	\$ 272.4	\$ 303.3	\$ 30.9	11.3%
Revenues				
Rate Revenue	\$ 269.4	\$ 295.7	\$ 26.3	9.7%
Non-Rate Revenue	\$ 3.0	\$ 7.7	\$ 4.7	153.1%
Total Revenue	\$ 272.4	\$ 303.3	\$ 30.9	11.3%
Average Residential Water / Wastewater / Storm Bill	\$ 877.30	\$ 965.40	\$ 88.10	10.04%

Note: Anomalies due to rounding.

SUBJECT: 2024 Recommended Water, Wastewater and Stormwater Rate Supported Budget (FCS23100) (City Wide) – Page 6 of 41

Chart 1 provides the breakdown of the proposed combined 10.04% rate increase between operating and capital financing expenditures in 2024.

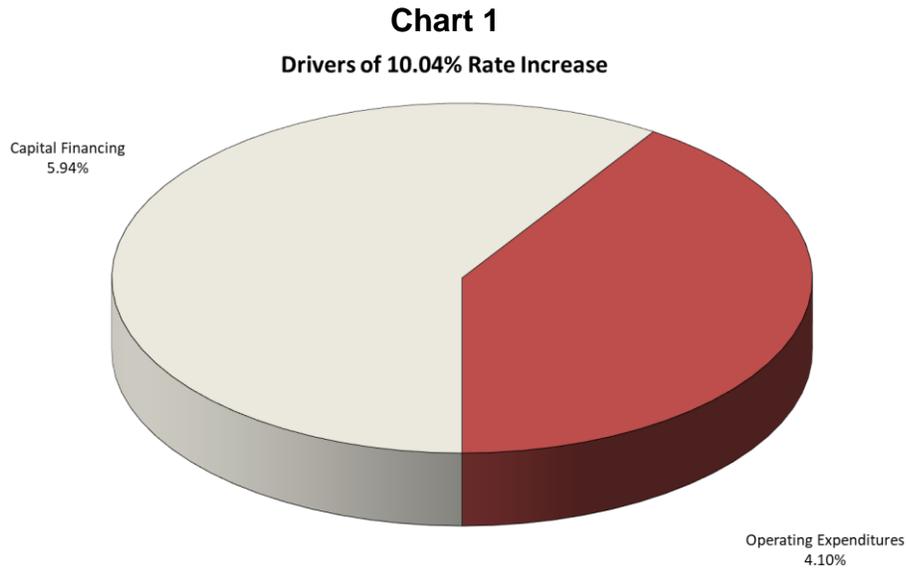


Table 2 identifies the proposed rate increase impact on the average residential customer.

Table 2
Impact of Recommended 2024 Water and Wastewater / Storm Rate Increases on a Typical Residential Bill
(Based on annual water consumption of 200 m³)

2023 Residential Bill	2024 Residential Bill	2024 Recommended Change	
		\$	%
\$877.30	\$965.40	\$88.10	10.04%

The 2024 Rate Operating Budget program expenditures of \$121.1 M reflects an increase of \$12.6 M or 11.6% over the 2023 Budget.

Beyond employee related costs, there are increases in operating and maintenance expenditures (O&M). Increases in O&M expenditures are largely driven by existing facility pressures, increased compliance standards in soils management, utility locate services and contractual pressures, such as the Biosolids contract.

Capital financing costs, including reserve transfers, in the 2024 Requested Budget of \$182.2 M reflects an increase of \$30.9 M over the 2023 Budget. With non-rate revenues of \$7.7 M, rate revenues of \$295.7 M are required to meet operating (program and capital financing) expenditures.

Over the period 2024 to 2033, capital investments in water, wastewater and stormwater infrastructure are forecasted at \$4.14 B, which represents an increase of \$0.87 B from last year's 10-year forecast. This increase is mostly attributable to the additional works required to eliminate the infrastructure deficit identified in the Waterworks Asset Management Plan for water, wastewater and storm assets. Major projects include the Woodward Wastewater Treatment Plant expansion (2024 – 2030), the Dundas Wastewater Treatment Plant upgrade (2024 – 2032), work associated with the Flooding & Drainage Improvement Framework (2024 – 2029) and Phase 2A (2024 – 2033) and 2B (2027 – 2033) of the Woodward WTP upgrades. All major projects except for Phase 2B of the Woodward WTP upgrades (design scheduled to begin in 2027) are already underway and are included in the forecast beginning in 2024.

The recommended 2024 Rate Budget strategy is consistent with the strategy approved by Council, in principle, for 2023 representing a combined rate increase of 10.04% in 2024 and an annual average rate increase of 10% over the 10-year planning period. The forecasted need of 10.04% had included a phased approach for additional annual investment needed to support the Waterworks Asset Management Plan. However, it did not include the financial impacts of the *More Homes Built Faster Act, 2022* (Bill 23) that was passed by Provincial Parliament in November 2022.

Additionally, historically unfunded statutory and discretionary Development Charge (DC) exemptions had not been fully addressed through previous Financing Plans as reported through Report FCS23064, Development Charges Exemptions Sustainable Funding Strategy. As outlined in that Report, the combined impact of Bill 23 and the historically unfunded DC exemptions translates into an average residential bill increase of 9.75%, which would have resulted in a total increase of 19.79%.

The recommended rate increases from 2024 – 2032 have not changed from the amounts approved, in principle, in the 2023 Budget. The proposed Financing Plan addresses the DC Exemptions Sustainable Funding Strategy and additional capital plan requirements by leveraging the City's current financial position through the issuance of additional debt and reserve contributions in order to maintain stability in the water / wastewater / stormwater user fees and limit the financial burden on residential households. In alignment with the Mayoral Directive to Staff (MDI-2023-02), staff identified opportunities for efficiencies such as bringing the locates program in-house.

In general, the goal of the financing strategy has been to support the water, wastewater and storm programs with the level of funding required to provide safe and reliable drinking water, protect homes and the environment, maintain assets in a state of good repair in accordance with the Waterworks Asset Management Plan for water, wastewater and storm assets and to support Council's priorities of sustainable economic and ecological development, safe and thriving neighbourhoods and responsiveness and transparency. The following business cases support these priorities.

Sustainable and Ecologic Development

- Two Project Managers (Watershed Management) – To implement projects, programs, policy development and community outreach from the Term of Council Priority – City of Hamilton Watershed Action Plan. The 2024 net financial impact is \$231 K.
- Technologist – Surface Water Quality Program, Phase 2 – To execute the augmented Surface Water Quality Program, an action stemming from the Chedoke Order. The 2024 net financial impact is \$73 K.
- Project Manager (Stormwater Systems Planning) – Complete Environmental Assessments from the Flooding and Drainage Improvement Framework, Master Plan to reduce wastewater discharges to the natural environment and evaluate neighbourhoods for new green infrastructure. The 2024 net financial impact is \$46 K.
- Locates Office – 19 staff to implement an internal utility locate service model and eliminate contracted provision of utility locate services. The 2024 net financial impact is \$0 resulting from the allocation of reserve funds.

Safe and Thriving Neighbourhoods

- Senior Project Manager – Servicing and Growth – Implement priority projects from the Water, Wastewater and Stormwater Master Plan Update, augment our capacity for hydraulic modelling and provide the development community with expedited information on system capacity. The 2024 net financial impact is \$113 K.

The proposed rate increases are approximately 10% in each year from 2024 through 2033. These increases represent the funding required for both direct investment in infrastructure and servicing requirements for additional debt in order to fund the \$0.87 B increase in projected infrastructure requirements over the next 10 years. The year-over-year change in infrastructure requirements is largely driven by water and wastewater system improvements. The financing Strategy uses a combination of rate increases, existing reserves and additional debt to fund major capital items such as the Woodward WWTP expansion, the Dundas WWTP upgrade, Phase 2(A) and 2(B) of the Woodward WTP upgrades and infrastructure renewal programs.

Chart 2

2024 - 2033 Financing Strategy Average Residential Increase

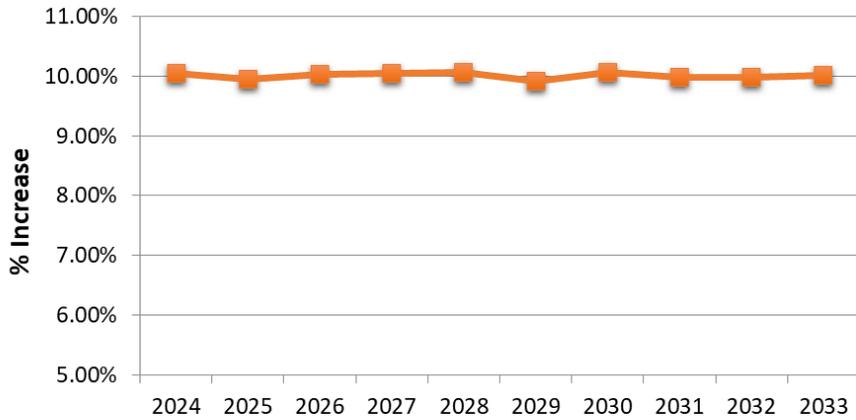
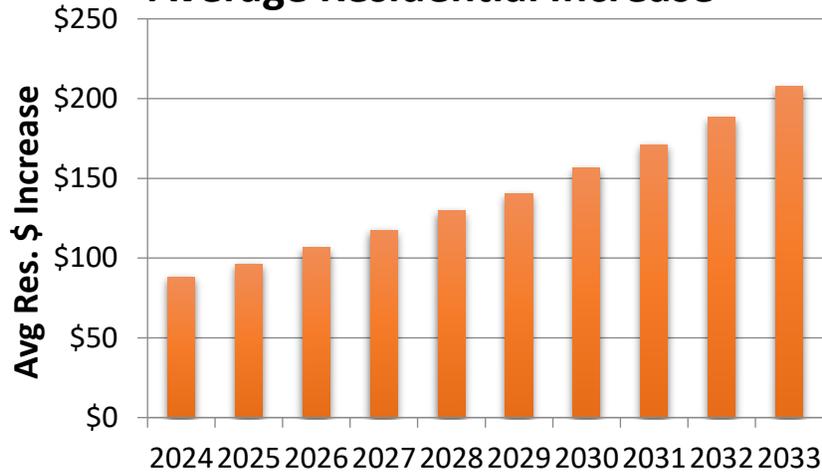


Chart 3

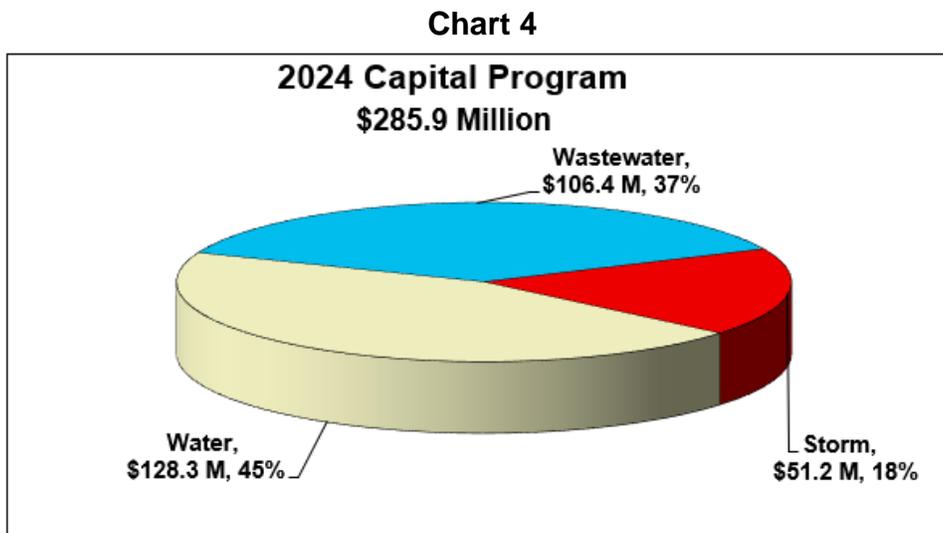
2024 - 2033 Financing Strategy Average Residential Increase



The recommended 2024 Rate Supported Financing Strategy endeavours to achieve a balance between capital investment needs, rate of growth and rate stability. The 2024 Rate Supported Financing Strategy links forecast water demand and estimated wastewater discharge with a staged approach to necessary capital investments in the water, wastewater and stormwater systems. The current strategy calls for capital funding in 2024 of approximately \$285.87 M and \$4.14 B for the 2024 – 2033 timeframe.

The 2024 Strategy includes financing from the federal and provincial governments with respect to the Woodward WWTP rehabilitation and upgrades and Dundas WWTP improvements. The 2024 Strategy also includes \$12.90 M of assumed federal grant funding through the Disaster Mitigation and Adaptation Fund (DMAF). Advocacy efforts with the Province of Ontario and the Federal Government of Canada for financial assistance are required to address the infrastructure deficit and the climate action goals in the water, wastewater and storm programs.

Chart 4 provides a breakdown of the 2024 Rate Capital Program totalling \$285.87 M, by the three major program areas: Water, Wastewater and Storm.



Report FCS23100 identifies significant risks related to a variety of conditions which may impact ratepayers and, in combination, may place significant financial pressures on ratepayers. These risk factors detailed in later sections of Report FCS23100 include increased operating and capital investment requirements. Staff pursued a variety of measures to control the impact of the risks to maintain a safe and reliable service by leveraging the City’s financial position and balancing rate affordability.

Alternatives for Consideration – See Page 40

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: As per Recommendation (l) of Report FCS23100, approval of the 2024 Water, Wastewater and Stormwater Supported Operating Budget will support operating and capital financing expenditures of \$303,338,939 for 2024. As per Recommendation (n) of Report FCS23100, approval of the 2024 Water, Wastewater and Stormwater Rate Supported Capital Budget and Financing Plan will support capital expenditures of \$285,872,000 for 2024. The approval of the 2024 Water, Wastewater and Stormwater Supported Operating and Capital Budget will result in a 10.04% rate increase.

In order to accommodate capital spending requirements, \$70.5 M has been allocated to debt financing in the 2024 Rate Supported Capital Budget. This amount includes \$39.9 M in Rate Supported municipal debt and \$30.6 M in Development Charges Rate Supported municipal debt.

Staffing: The 2024 Rate Supported staffing complement reflects a recommended increase of 24.0 FTE as reflected in Appendix “F” to Report FCS23100.

Legal: Recommendation (p) of Report FCS23100 relates to By-laws requiring Council approval, respecting the implementation of 2024 water and wastewater user fees and charges set out in the Recommendations (a) through (k) of Report FCS23100.

HISTORICAL BACKGROUND

The 2023 Rate Budget (FCS22054) approved, in principle, had included average rate increases of 10% per year over the 2024 – 2033 time period. The approved, in principle, increase for the 2024 budget was 10.04%.

On June 21, 2023, through Report FCS23064, Council referred a \$27.28 M (9.75%) Water and Wastewater / Stormwater rate increase to the 2024 Rate Budget process to fund development charge exemptions. Of this amount, \$14.08 M is attributable to the development charge exemptions required as a result of Bill 23 while the remaining \$13.2 M is the result of historically unfunded statutory and discretionary exemptions permitted under the City’s DC Bylaw.

On September 20, 2023 through Report FCS23074, the General Issues Committee received the 2024 Budget Outlook. The preliminary outlook for the 2024 Rate Supported Budget presented the average increase for water and wastewater fees increased at 19.79% after factoring in the \$27.28 M impact, or 9.75%, for Development Charge Exemptions detailed in Report FCS23064.

Upon receiving Mayoral Directive (MDI-2023-02) on August 31, 2023, staff developed an updated financing strategy that leveraged the City’s strong financial position through the use of additional debt and existing reserve balances to reduce the 2024 average increase for water and wastewater fees to 10.04% and maintain the average rate increase of 10% over the 2024-2033 planning period. This amount is equal to the increase that was approved, in principle, through the 2023 Rate Budget.

The Rate Capital Budget was prepared in accordance with the City of Hamilton’s Strategic Asset Management Policy. The Ministry of Infrastructure filed Ontario Regulation 588/17 – Asset Management Planning for Municipal Infrastructure under Bill 6, *Infrastructure for Jobs and Prosperity Act* (“Act”) on December 27, 2017. Regulation 588/17 went into force on January 1, 2018 and applies to all infrastructure assets directly owned by a municipality or consolidated on the municipality’s financial statements.

Through Report PW22048, the City of Hamilton’s Asset Management Plans for core assets was approved by the General Issues Committee on June 15, 2022. Core assets include transportation (roads and engineered structures), water works (water, wastewater, storm) and the costs to maintain the City’s current level of service.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

The recommended options support the principle of a user-pay water and wastewater / storm system. The Rate Reserve Policy has guided staff’s recommended use of rate reserves as a funding source in the 2024 - 2033 financing plan.

RELEVANT CONSULTATION

Public Works, Hamilton Water Division, provided operating / capital expenditure and non-rate revenue forecasts as reflected in Report FCS23100.

Senior Leadership Team (SLT) reviewed a number of rate financing strategies.

ANALYSIS AND RATIONALE FOR RECOMMENDATION

Appendix “A” to Report FCS23100 summarizes the 2024 Rate Budget expenditures (program and capital financing) and revenues of \$303.3 M compared to the 2023 restated budget of \$272.4M.

Rate Operating Budget

The 2024 Rate Operating Budget program expenditures of \$121.1 M reflects an increase of \$12.6 M or 11.6% over the 2023 Budget. The majority of costs are fixed, in nature, at approximately 90% of total operating costs including employee related costs, materials and operating supplies and corporate cost allocations. The remaining costs are variable related to production volumes (utility costs, fluid and chemicals, biosolids contract). Table 3 details the Rate Operating Budget increases for 2024.

Table 3

Details of the 2024 Operating Budget Increases (\$000s)					
Budget Pressure	Legislative / Regulation	Health and Safety	Inflationary	Service Level Enhancements	TOTAL \$ Increase
Employee Related Costs Cost of Living Adjustment			\$1,458		\$1,458
Facility Pressures Hydro, Natural Gas, Security, Property Taxes, HVAC R&M and Garbage Collection		\$131	\$1,066	\$50	\$1,247
Material and Supply Pressure Fluids and Chemicals, Plant Maintenance and Laboratory Services Operating Supplies, Hamilton Harbour Remedial Action Plan Water Sampling and various initiatives	\$67		\$1,377		\$1,444
Contractual Pressure Locates Contract, Biosolids Contract, Alectra Service Contract, Water Distribution and wastewater Collection and Plant Maintenance Contracts, High Voltage Maintenance, Excess Soils and Emergency Spill Response Contracts	\$3,813		\$2,179	\$576	\$6,567
Consulting Environmental Enforcement and Monitoring				\$100	\$100
Internal charges Corporate Cost Allocation Pressures Vehicle Charges & Recoveries, Office Rent, Tax Levy Funded Positions, Human Resources, Accounting Services, Legal Services, Call Centre, etc.			\$659	\$441	\$1,100
Additional Staffing - 12 FTEs Report PW22088(b) Burlington Street Sewage Spill Program	\$1,479				\$1,479
Additional Staffing 24 FTEs Requested as part of the 2024 Budget Process (Appendix F) [* Net of Capital Recoveries]	\$464				\$464
Budget Efficiencies, Redundancies & Realignment				(\$1,258)	(\$1,258)
TOTAL	\$5,823	\$131	\$6,738	(\$91)	\$12,601

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The 2024 Rate Operating Budget expenditures contain the request for 24 new full-time equivalent (FTE) employees. The 2024 net operating cost of the request is approximately \$464 K (net annualized savings of -\$2.67 M). The FTE requests are largely driven by regulatory pressures, health and safety and efficiency improvements. For the full FTE request details, please refer to the business cases in Appendix “F” to Report FCS23100.

In-House Locates Program

In September 2022, the Provincial Government passed Bill 93 requiring buried utility owners to complete locate services and update the Ontario One Call’s system within five business days. The new legislation included the ability for Ontario One Call to impose penalties for locate service provision that exceeds the proscribed timelines and this provision has had a significant impact for contracted locate service provision costs across Ontario. As a result of the new legislation, Hamilton Water’s external vendor contract increased to an annual pressure of approximately \$4.98 M to the Rate Budget.

Staff is recommending a new in-house Locates Office for greater efficiencies and a reduced annual cost to the Rate Budget. This in-house office will allow the City of Hamilton to oversee all facets of the service, from intake to data management. The office will require an initial investment of 19 full-time equivalents (FTEs), 10 new electric vehicles and locate equipment. An initial investment of \$1.81 M is required in 2024 and will be funded from Waterworks Reserve # 108005, resulting in a net zero budget pressure in 2024. The office will have annualized net savings of approximately \$3.3 M in future years (2025+) as locate services will no longer be contracted out to external vendors. The office will be in the Hamilton Water Division but will provide locate services to all Public Works divisions. Hamilton Water owns the most complex assets requiring locate services, therefore, requiring staff to have a high degree of water and wastewater system knowledge.

The In-House Locates Program aligns with Mayoral Directive (MDI-2023-02) to ensure that efficiencies have been identified and addressed and that program lines are assessed for ongoing public

2024–2033 Rate Supported Capital Budget

Table 4 and Appendices “H”, “J”, “M” and “P” to Report FCS23100 summarize the \$4.14 B capital program and the financing requirements for the 2024–2033 water, wastewater and storm capital budget. Of this amount, \$1.67B (40%) is for water, \$1.80 B (44%) is for wastewater and \$0.67 B (16%) is for the storm program. A total of \$1.07 B or 26% of the 10-year capital program is required in the first three years (2024-2026). Significant projects include the Woodward WWTP Upgrade and Expansion, Woodward Water Treatment Plant Upgrade, Dundas WWTP Replacement, Greenhill Pumping Station Replacement and Parkdale Avenue Wastewater Pumping Station Upgrades. Appendices “L”, “O” and “R” provide a listing of all capital projects within the Water, Wastewater and Storm programs.

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The capital program includes \$1.0 B in gross costs for projects supporting growth infrastructure, of which, \$811 M will be funded from Development Charges. As a result of legislative changes through the *More Homes Built Faster Act, 2022*, a significant portion of growth-related infrastructure will need to be funded through water, wastewater and stormwater revenues. Combined with previous legislation for statutory DC exemptions and Council approved discretionary exemptions provided through the City's DC Bylaw, growth-related development is anticipated to be subsidized by ratepayers for a 10-year total of \$424 M in DC exemptions. If the City chose not to replace the lost DC revenues through exemptions, the impact would be significantly delayed growth plans as there would be insufficient funding to provide the infrastructure within the same timeline.

Table 4

**SOURCE OF CAPITAL FINANCING
2024 to 2033 RATE PROGRAM CAPITAL BUDGET
\$(000'S)**

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2024 to 2033
WATER											
Capital Program	128,269	166,464	196,582	188,888	184,751	167,696	143,729	138,723	180,171	170,365	1,665,636
<u>Source of Funding</u>											
Subsidy/Other Revenue	7,040	-	-	-	-	-	-	-	-	-	7,040
Development Charges	13,387	47,933	49,881	29,343	17,734	6,164	6,955	5,888	43,103	86,923	307,309
Reserves & Other Internal Sources	31,944	-	-	-	-	-	-	-	-	-	31,944
Contribution from Operating	61,898	74,734	90,291	74,545	66,849	72,869	101,775	109,835	134,069	83,443	870,307
External Debt	14,000	43,796	56,409	85,000	100,168	88,663	35,000	23,000	3,000	-	449,036
Total	128,269	166,464	196,582	188,888	184,751	167,696	143,729	138,723	180,171	170,365	1,665,636
WASTEWATER											
Capital Program	106,392	130,994	177,913	266,193	257,948	271,300	177,955	126,900	124,164	163,373	1,803,130
<u>Source of Funding</u>											
Subsidy/Other Revenue	-	20,506	9,160	10,700	9,020	7,320	11,060	8,860	6,700	-	83,326
Development Charges	20,278	7,766	60,016	95,349	95,159	95,369	43,088	1,016	826	866	419,734
Reserves & Other Internal Sources	13,131	9,700	16,700	23,250	1,150	-	-	-	-	-	63,931
Contribution from Operating	53,114	43,022	42,037	43,021	63,918	79,611	85,282	89,256	114,341	162,507	776,109
External Debt	19,869	50,000	50,000	93,872	88,700	89,000	38,524	27,769	2,296	-	460,030
Total	106,392	130,994	177,913	266,193	257,948	271,300	177,955	126,900	124,164	163,373	1,803,130
STORM SEWERS											
Capital Program	51,211	76,497	35,820	56,540	59,340	50,690	47,957	76,670	80,308	133,643	668,676
<u>Source of Funding</u>											
Subsidy/Other Revenue	-	11,000	1,574	75	75	75	75	75	75	75	13,099
Development Charges	22,350	27,482	4,000	4,000	4,000	5,056	4,000	4,660	4,000	4,000	83,548
Reserves & Other Internal Sources	3,003	-	-	-	-	-	-	-	-	-	3,003
Contribution from Operating	19,858	28,015	20,246	42,465	46,265	45,559	43,882	71,935	76,233	129,568	524,026
External Debt	6,000	10,000	10,000	10,000	9,000	-	-	-	-	-	45,000
Total	51,211	76,497	35,820	56,540	59,340	50,690	47,957	76,670	80,308	133,643	668,676
TOTAL RATE PROGRAM											
Capital Program	285,872	373,954	410,314	511,620	502,038	489,686	369,641	342,293	384,643	467,381	4,137,442
<u>Source of Funding</u>											
Subsidy/Other Revenue	7,040	31,506	10,734	10,775	9,095	7,395	11,135	8,935	6,775	75	103,465
Development Charges	56,015	83,181	113,897	128,692	116,893	106,589	54,042	11,564	47,929	91,789	810,591
Reserves & Other Internal Sources	48,078	9,700	16,700	23,250	1,150	-	-	-	-	-	98,878
Contribution from Operating	134,870	145,771	152,574	160,031	177,032	198,039	230,939	271,026	324,643	375,517	2,170,442
External Debt	39,869	103,796	116,409	188,872	197,868	177,663	73,524	50,769	5,296	-	954,066
Total	285,872	373,954	410,314	511,620	502,038	489,686	369,641	342,293	384,643	467,381	4,137,442

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Development Charge Exemptions and the *More Homes Built Faster Act, 2022* (Bill 23) Impacts

The *More Homes Built Faster Act, 2022* (Bill 23) was passed by the Provincial government on November 28, 2022. Bill 23 made several changes to the *Development Charges Act, 1997* (DC Act) which impacts all municipalities’ ability to finance planned growth infrastructure. The growth infrastructure is required in order to ensure that there are serviced lands to be developed, upgraded infrastructure to permit intensification and to provide the community services, such as, parks, recreation centres and libraries to ensure complete and vibrant communities.

On June 21, 2023, through report FCS23064, Council referred a \$27.28 M (9.75%) Water and Wastewater / Stormwater rate increase to the 2024 Rate Budget process to fund development charge exemptions. Of this amount, \$14.08 M is attributable to the development charge exemptions required as a result of Bill 23 while the remaining \$13.2 M is the result of historically unfunded statutory and discretionary exemptions permitted under the City’s DC By-law.

The \$27.28 M increase is in addition to the \$9.0 M that the City has historically budgeted to cover discretionary DC exemptions. The total DC exemptions budget for 2024 is proposed at \$37.74 M.

In order to reduce the immediate burden on ratepayers, a three-year, phase-in strategy has been implemented utilizing the City’s discretionary rate reserves in alignment with the Mayoral Directive to Staff (MDI-2023-02). Table 5 summarizes the development charge phase-in strategy. As a result, the City will leverage existing rate reserves in an effort to maintain the affordability ratios approved, in principle, through the 2023-2032 financing plan. While this helps the City to absorb the impact of Bill 23 without the additional 9.75% rate increase that was projected in the 2024 Budget Outlook Report (FCS23074), it does limit the City’s financial flexibility in responding to emergency or unplanned expenditures in the future.

Table 5

Development Charge Exemptions Phase In Strategy				
(\$000's)				
	2024	2025	2026	2027
Gross Development Charge Exemptions	37,745	38,711	39,702	40,718
Reserve Funding	(17,550)	(11,700)	(5,850)	
Net Development Charge Exemptions	20,195	27,011	33,852	40,718

2024 – 2033 Rate Supported Capital Program

Chart 5 illustrates the \$4.14 B capital program for the 2024–2033 water, wastewater and storm capital budget.

Chart 5

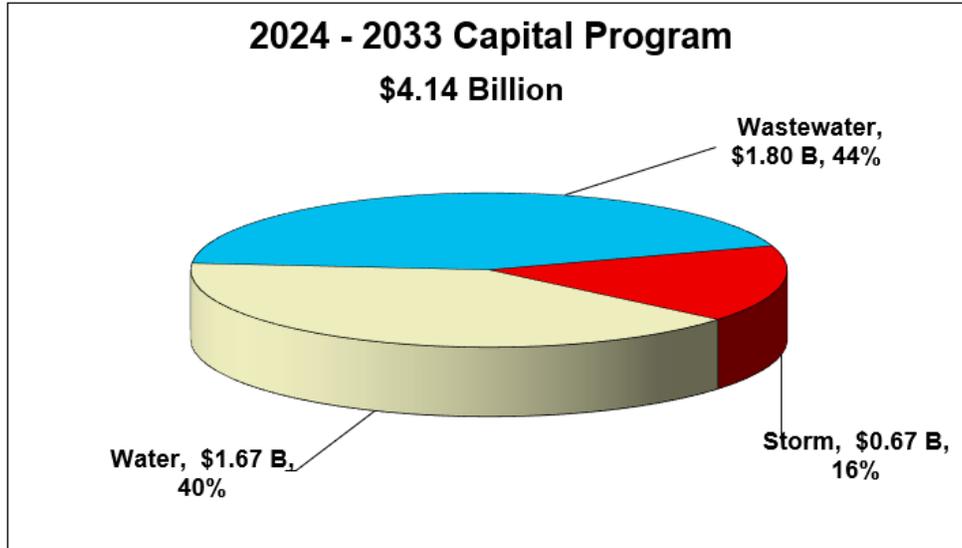
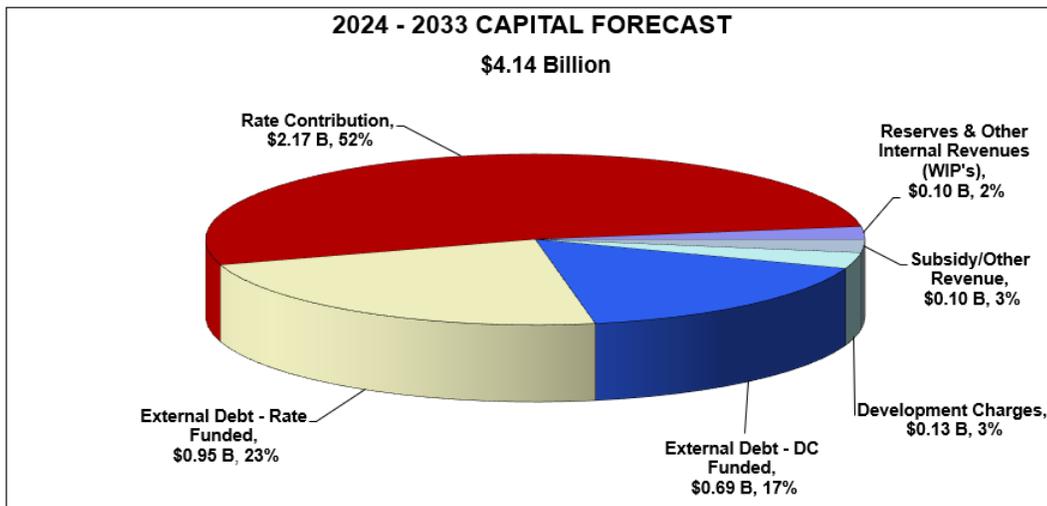


Chart 6 provides the sources of capital financing for the 2024–2033 forecast period. The growth-related infrastructure investment included in the 2024–2033 forecast to accommodate for growth is \$811 M, including \$685 M from DC-funded external debt and \$126 M from DCs. Debt charges associated with DC funded debt will be recovered from DCs over the terms of issuance.

The 2024–2033 Capital Forecast includes \$46.1 M in funding from capital work-in-progress (WIP’s). The Capital Plan for the 2024-2033 water, wastewater and storm capital program requires a net draw from reserves of \$17.9 M, helping to mitigate reliance on rate supported debt for the delivery of capital works. The reserve contributions required to fund the DC exemptions phase-in and the 2024 staffing costs associated with the In-House Locates Program are not included in this amount.

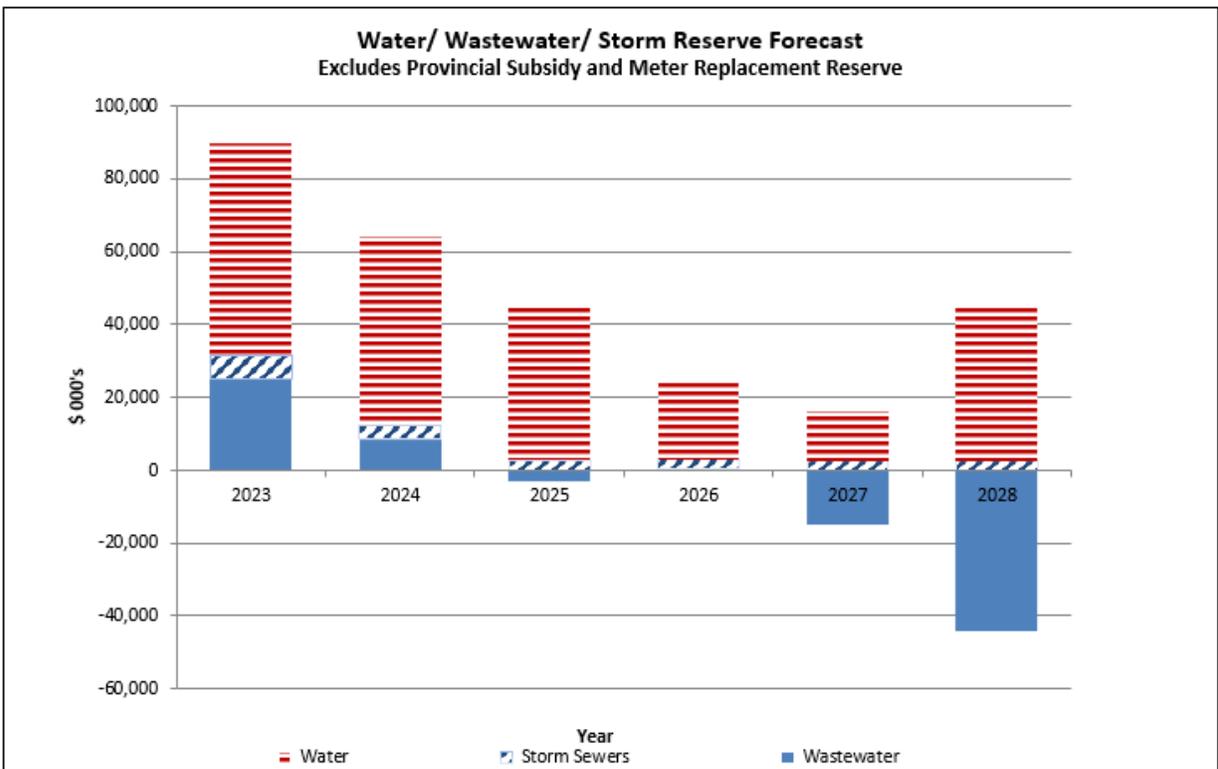
Chart 6



Rate Reserves

Chart 7 provides the projected reserve balances for the Water, Wastewater and Storm programs. The 2024 Budget Forecast reflects utilizing \$1.1 M in reserve funds for the Chedoke Creek project and \$900 K for the in-house utility locate equipment and vehicles. It should be noted, the reserve forecast below does not include the Provincial Wastewater Improvement Subsidy Reserve (\$100 M Provincial subsidy dedicated for the WWTP Clean Harbour project or the Meter Replacement Reserve). This reserve is not included in the forecast because the funds held in this reserve are required to be spent on specific initiatives and the remaining balance is expected to be exhausted in 2024. Chart 7 does not account for the impacts of the new stormwater funding model which is outlined on page 34 of Report FCS23100.

Chart 7



Reserves are essential to assist the City in mitigating unanticipated events, such as, consumption fluctuations, response to emergencies, unforeseen increase in capital costs and potentially to provide rate stability or to decrease future debt needs. The proposed Financial Plan leverages the available capacity in the water, wastewater and storm reserves and draws down the wastewater and storm reserves below their minimum required balances over the next few years. The wastewater reserve reaches a negative balance in 2027 which is offset by the balances in the water and storm reserves. The combined forecasted balance of these reserves is \$230 K in 2028.

By drawing these reserves below the minimum balance, it limits the City’s financial flexibility to respond to emergencies or unplanned events. In the event where emergency funds are needed, it may require the need for additional external debt in the case of eligible capital requirements or internal borrowing from discretionary tax supported reserves in the case of operating pressures. This financial strategy aligns with the Mayoral Directive to Staff (MDI-2023-02) to Staff to prioritize the utilization of debt and emergency reserves while seeking to maintain the City’s AAA credit rating.

The wastewater reserve is projected to decline to a negative balance in 2025 as insufficient fees are collected in order to support both wastewater and storm water operations. As the City of Hamilton doesn’t currently have a stormwater fee, the wastewater fee is used to support stormwater operations. Through Report FCS22043(b), Council approved a new stormwater funding model that will be implemented in September 2025. The City will no longer use revenues collected through water and wastewater bills and property taxes to fund stormwater management. Instead, Council has approved a stormwater fee, where properties will be charged based on the load (or use) they place on the stormwater system. Stormwater operations will then be funded through its own revenue source and the wastewater reserve is projected to return to a positive balance in 2027 and onward. As a result, the water and wastewater portions of the average residential tax bill will be decreased. The decrease will be offset by the new stormwater fee. The stormwater fee will be assessed to ensure the rate is sufficient to sustain stormwater operations moving forward.

The combined reserve balances are forecast to decrease from \$69 M at the end of 2024 to \$6 M in 2028 but increase over the remaining years in the 2030 to 2033 forecast under the proposed Capital Financing Plan. This decrease is a result of insufficient fees to fund storm operations, \$35.1 M in reserve contributions to fund the DC exemptions phase-in strategy and \$15.85 M in reserve contributions to fund the Chedoke Creek – Cootes Paradise Workplan. The wastewater and storm reserves are below their target range relative to the Rate Reserve Policy approved by Council in June 2016, whereas, the water reserve is within the target range.

Projected Water / Wastewater / Storm Debt

The 2024 Water, Wastewater and Storm Budget incorporates a significant reliance on both rate-supported debt and growth-related debt supported from DCs over the 10-year forecast period. The forecasted rate supported debt financing for the 10-year period 2024 – 2033 has increased by \$702 M from the 2023 Rate Budget.

The forecasted DC supported debt financing has decreased by approximately \$175 M over the same period, resulting in an overall net increase in forecasted debt financing of \$527 M from the forecast in the 2023 Rate Budget. The increase in reliance on rate supported debt is attributable to the increased capital requirements detailed above.

The 10-year capital program relies on a significant amount of debt financing with the associated debt charges funded from both rates and DCs. The rate supported debt is projected to peak at \$929 M in 2029, compared with the 2023 budget forecasted debt peak of \$424 M in 2026. The debt funded from DC's is projected to peak at \$837 M in 2030, whereas, the 2023 budget was \$1 B in 2029.

Table 6 provides the multi-year debt forecast compared to the 2023 Budget forecast. The graph illustrates the lower debt requirements for 2024-2026 when compared to the prior year budget forecast. The decrease in debt is due to deferral of issuing debt in previous years and the reduced requirement for DC debt. The higher debt levels in the later years can be attributed to an increase in infrastructure requirements since the 2023 Budget and the timeline of the Wastewater Treatment Plant expansion project which is to be 100% DC debt funded.

Table 6

Projected Rate & DC Supported Outstanding Debt											
(\$ Millions)											
	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
2023 Rate Budget											
Funded from Rates	177	298	400	424	419	407	368	330	291	256	216
Funded from DC's	159	349	458	669	788	906	1007	960	911	861	865
Total	336	647	858	1093	1207	1313	1375	1290	1202	1117	1081
2024 Rate Budget											
Funded from Rates	110	196	334	475	677	819	929	928	900	827	746
Funded from DC's	3	141	289	479	688	768	831	837	798	795	834
Total	113	337	623	954	1365	1587	1760	1765	1698	1622	1580
Increase (Decrease)	(223)	(310)	(235)	(139)	158	274	385	475	496	505	499

Consistent with the 2023 Rate Budget and to more accurately forecast debt levels and the associated debt charges, the major multi-year Dundas and Woodward Wastewater Treatment Plant projects are budgeted based on the projected cash flow of expenditures for the 2024 Rate Capital Budget, versus full commitment-based budgeting.

Chart 8 illustrates the projected outstanding debt for the 10-year period (2024–2033) and the funding source of the associated debt charges.

Chart 8

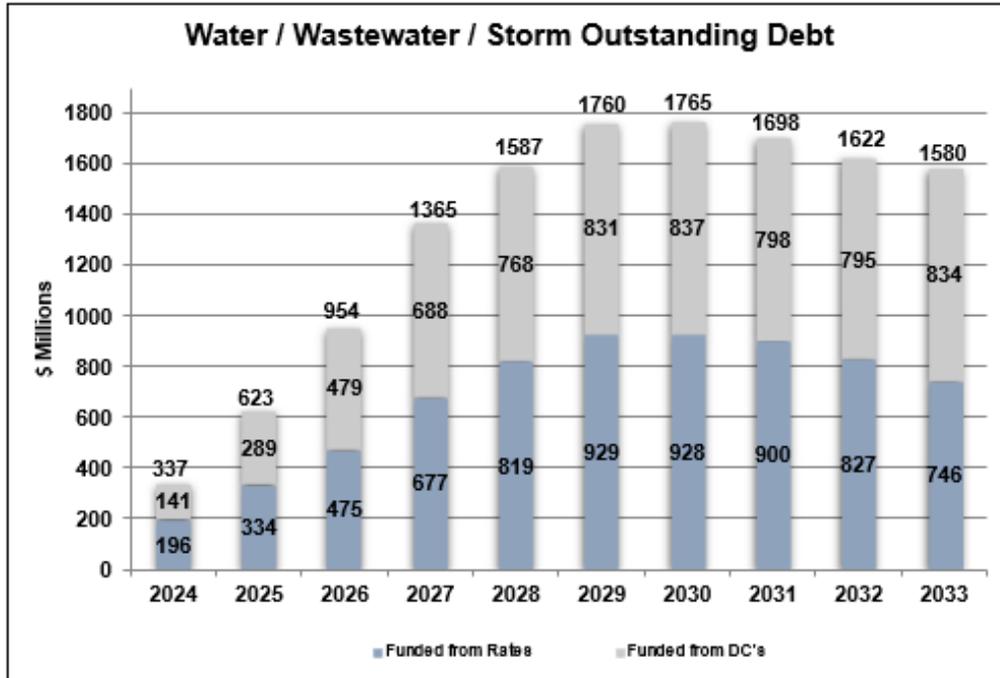
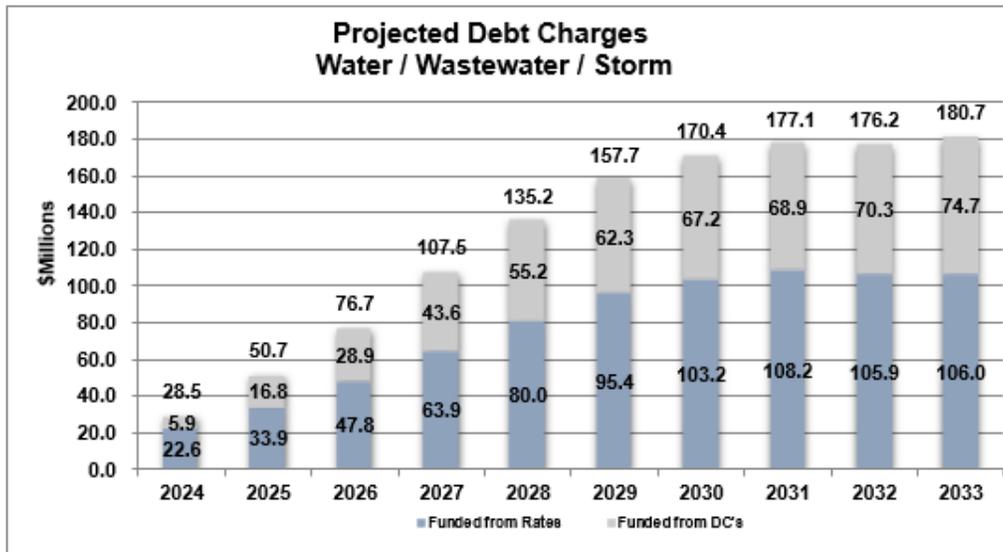


Chart 9 shows the forecasted debt charges funded by water / wastewater rates and by DCs. In the upcoming years, staff in Corporate Services (Financial Planning, Administration and Policy) and in conjunction with staff in Public Works (Hamilton Water) will monitor the forecasted DC Debt charges in comparison to DC Revenue, to mitigate potential risks to the ratepayer. Much of this risk lies with the implementation plan of the WWTP expansion project, currently forecasted for construction in years 2026-2030.

Chart 9



Impact of Capital Budget on Operating Budget

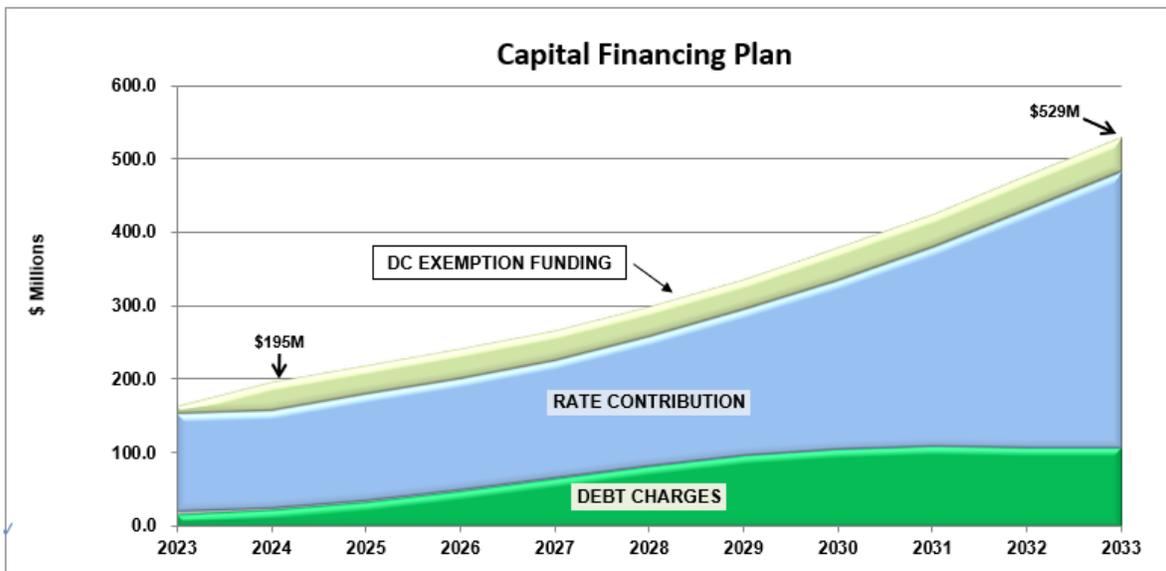
As summarized in Table 7, the 2024 Rate Budget incorporates \$195.2 M in capital financing costs which is an increase of \$31.3 M from the 2023 Rate budget. The 2024 budgeted DC exemption funding has increased by \$28.7 M as a result of Bill 23 and historically unfunded statutory and discretionary exemptions permitted under the City’s DC Bylaw.

Table 7

WATER, WASTEWATER & STORM					
IMPACT OF CAPITAL ON OPERATING BUDGET					
(000's)					
	2023 APPROVED	2024 PROPOSED	CHANGE		2024 - 2033 FORECAST
			\$	%	
Debt to be Issued	14,892	39,869	24,977	167.7%	954,066
Debt Charges (Net of DCs)	21,581	22,611	1,030	4.8%	766,862
Contribution to Capital	133,353	134,870	1,517	1.1%	2,170,442
DC Exemption Funding	9,000	37,745	28,745	319.4%	424,035
Impact on Operating Budget	163,934	195,226	31,292	19.1%	3,361,339

Chart 10 highlights the impact on the operating budget from the Rate Supported Capital program. These impacts are projected to increase from \$195 M in 2024 to \$529 M in 2033. Rate supported debt charges are expected to increase from 11.6% of total revenues in 2024 to 28.4% in 2029 and then decline to 20.0% in 2033.

Chart 10



Debt Management

According to Ontario Regulation 403/02, Council shall, before giving authorization for capital work that would require a long-term debt or financial obligation, have the City Treasurer calculate an updated Annual Repayment Limit (ARL) using the most recent Annual Repayment Limit determined by the Ministry. The most recent ARL, determined and sent in writing by the Ministry to the City Treasurer, is the 2023 ARL in the amount of \$304,645,973 and is based on 2021 Financial Information Returns.

Using this 2023 ARL, the City Treasurer has calculated an updated ARL of \$177,216,383 shown in Appendix “T” to Report FCS23100. The 2023 ARL was adjusted for possible debt service charges of \$127,429,590 corresponding to approximately \$1.38 B of debt (including CityHousing Hamilton), which has been approved by Council in 2022 and prior years but not yet issued. Further adjustments were made to reflect debt service charges for prior issued debt discharged since 2020.

According to this calculation, the updated ARL of \$177,216,383 represents a maximum annual amount that the City has available to commit to payments related to debt and financial obligations before the statutory limit is breached and corresponds to approximately \$1.8 B of additional borrowing which the City could undertake (assuming a 15-year term and 5.5% interest rate). The related tax and rate impacts would be considered before approving debt within these limits.

In addition, City Council has approved a total combined tax and rate-supported debt limit of 60% of City own-source revenues, unless otherwise approved by Council and a DC supported debt limit of 25% of total DC eligible costs for the forecast period of the latest DC Background Study, unless otherwise approved by Council. The City’s current debt ratio is forecasted to be 18.1% in 2023 and 15.0% in 2024 related to the approved tax and rate supported upset limit of 60% and 1.5% in 2023 and 1.4% in 2024 for DC supported debt relative to the upset limit of 25%.

However, over \$1 B in capital works-in-progress have been approved for debt funding that has not yet been issued due to timing of completion and cash flow requirements. Given the amount of debt that has been previously approved and the reliance on debt financing for infrastructure improvements needed in the 10-year Rate Financing Plan, Financial Planning, Administration and Policy staff will need to closely monitor cash flow requirements and only issue debt when needed in order to ensure compliance with the City’s debt policy and to maintain the City’s AAA credit rating.

2024 Proposed Rate Increases

The proposed rate impact for the average residential water, wastewater and storm annual bill would be \$88.10 (10.04%) in 2024. The recommended 2024 increase remains the same as what was approved, in principle, for 2024 in Report FCS22054.

Water and wastewater service user fees have been reviewed in accordance with the User Service Fee and Charges Policy which require identification of both the cost of the service and the fees / charges to recover such cost with the intent that full cost recovery is achieved. Some service fees are unchanged with full cost recovery currently being achieved with others undergoing varying fee increases to achieve full cost recovery. These user fees can be found in Appendix “G” of Report FCS23100.

The impact of the 2024 recommended rate increases on the water and wastewater / storm fixed charges, as well as, the water consumption and wastewater / storm treatment charges are identified in Table 8.

**Table 8
Impact of Recommended Rate Increases on
Water and Wastewater / Storm Rates**

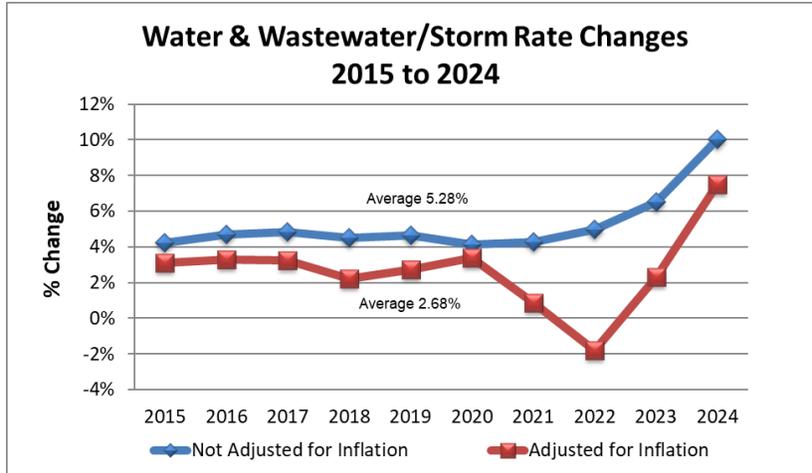
	2023	2024	Increase
Water			
Fixed Charge (daily) ¹	\$0.43	\$0.48	\$0.05
Consumption Charge Block 1 (0-10 cubic metres / month)	\$0.98	\$1.07	\$0.09
Consumption Charge Block 2 (>10 cubic metres / month)	\$1.96	\$2.13	\$0.17
Wastewater / Storm			
Fixed Charge (daily) ¹	\$0.47	\$0.52	\$0.05
Treatment Charge Block 1 (0-10 cubic metres / month)	\$0.98	\$1.08	\$0.10
Treatment Charge Block 2 (>10 cubic metres / month)	\$1.96	\$2.15	\$0.19

¹ Rate for a 15-21 mm meter which is installed in most residential homes.

Trends in Combined Rate Changes 2015-2024

Hamilton’s overall average annual combined water and wastewater / storm rate increase is 5.28% before adjusting for inflation during the 10-year period from 2015 to 2024. Accounting for inflation results in the overall average, the annual rate increase over the same period would be 2.68%. Chart 11 shows the trend in Hamilton’s combined water and wastewater / storm rates for the period 2015 to 2024.

Chart 11



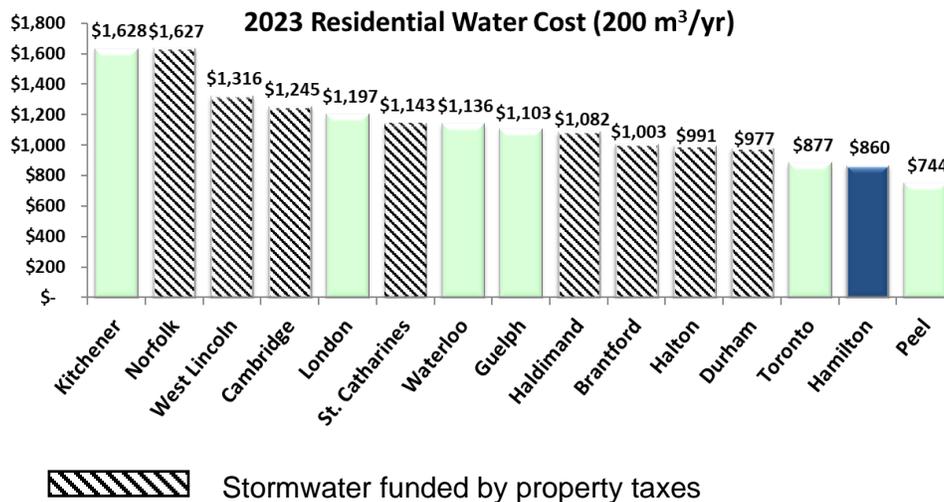
Comparative Rates

Per the BMA Management Consulting’s 2022 Municipal Survey, the City of Hamilton’s water and wastewater / storm rates have remained competitive, inclusive of the fact that annual rate increases over the past decade have averaged 5.28% before adjusting for inflation.

Over the past decade, Hamilton’s ability to maintain competitive water and wastewater / storm rates, given the magnitude of the rate increases approved over this same period, reflects the fact that, like Hamilton, other municipalities are addressing many of the same investment requirements as previously identified.

In 2023, Hamilton’s residential annual water and wastewater / storm bill continued to be the second lowest within its local municipal comparator group. Though Hamilton largely funds its stormwater management program through its wastewater / storm fee, it still has been able to maintain competitive rates as reflected in Chart 12.

Chart 12



Affordability

Staff continue to assess ratepayers’ ability to pay current water and wastewater / storm billings. Ability-to-pay is primarily a function of income related to the cost of living. Fixed costs, such as housing, property taxes, utilities and other necessities take a smaller share of household income for households with higher income levels.

A review of BMA Management Consulting’s 2022 Municipal Survey (participation by 117 Ontario municipalities) indicates that while Hamilton’s average household income of \$100,462 is below the survey average of \$110,043. Hamilton’s average residential water and wastewater annual bill of \$965 represents 0.9% of 2023 estimated household income (\$104,079) that compares favourably to the survey average of 1.2%. With the forecasted average annual increases of 10% from 2025 to 2033, it is expected that the residential water bill will increase to approximately 1.8% of estimated household income by 2033, assuming incomes will increase at the Bank of Canada projected rate of inflation over that time period. Table 9 compares Hamilton’s 2022 average residential water and wastewater annual bill as a percentage of household income against its local municipal comparator group. In 2022, Hamilton was fourth lowest within its local municipal comparator group.

Table 9

Municipality / Region	Waterbill as a % of Household Income
Norfolk	1.70%
Kitchener	1.20%
St. Catharines	1.20%
Cambridge	1.20%
Brantford	1.10%
West Lincoln	1.10%
London	1.00%
Haldimand	1.00%
Guelph	0.90%
Waterloo	0.80%
Durham	0.80%
Hamilton	0.80%
Toronto	0.70%
Halton	0.62%
Peel	0.62%

Another measure of affordability may be to review water bill delinquency rates. Per the City's Arrears Policy, unpaid water and wastewater / storm arrears that remain unpaid 60 days past the invoice due date are transferred to the property's tax roll. Alectra reports this metric within their annual service activity report (for details refer to Report FCS23102).

From 2018 to 2022, the number of unpaid arrears tax roll transfers has increased approximately 25% over the five-year period from approximately 15,900 transfers to 20,000 transfers. With respect to transferred arrears amounts, about \$3.0 M was transferred in 2018 and \$4.4 M in 2022 (approximately 47% increase). It should be noted that the change to monthly residential billing was completed in June 2017 and, generally speaking, more frequent billing was expected to help with the ability to manage bills. Hence, the increase in arrears transfers since 2017 is most concerning as approximately 90% of arrears transfers are related to residential accounts. Prior to 2017, a significant portion of arrears transfers were associated with large commercial / industrial accounts.

In January 2020, the minimum arrears threshold amount for an active account was increased to \$100 from \$75 in an attempt to provide more time for outstanding lower arrears amounts to be addressed before tax roll transfers occur. Approximately 30% of arrears transfers in 2019 were for arrears amounts between \$75 and \$100. However, the expected reduction in the number of arrears transfers was not realized as the number of transfers increased by 5% in 2020.

The minimum arrears threshold amount for an active account was increased to \$125 as of January 1, 2022. As of September 2023, the year-to-date forecast total number of arrears are down by 11% compared to 2022. The year-to-date transferred dollar amount has decreased to a similar extent, approximately \$400 K or 9% lower than 2022. The increased threshold change has only postponed the tax roll transfer if the arrears remain unpaid. It should be noted that an administrative fee is applied by Taxation for each arrears tax roll transfer occurrence (for 2023, the fee is \$38.10 plus H.S.T.). Staff will continue to monitor water bill delinquency rates on an ongoing basis to gauge the impact of increasing water bills.

Additionally, payment arrangements can be viewed as a leading indicator of arrears transfers as a percentage of payment arrangements will default resulting in further arrears transfers to the tax roll. There has been a sharp increase in the number of payment arrangements since April 2022 coinciding with increasing interest rates. Year-to-date, there has been an 83% increase in the total number of deferred payments over the same time period in 2021. This represents 0.08% of total bills in 2022 and 2023 compared to 0.04% of total bills in 2021.

Of note, one factor that may be contributing to increasing tax roll transfers and payment arrangements is, unlike with some other utilities (natural gas and electricity), service disconnection is not utilized to address unpaid water bills in Hamilton. A number of neighbouring water utilities employ service disconnection within their collection policies.

CONSUMPTION AND RATE-GENERATED REVENUES

Metered Water Consumption

Currently, the City has over 158,000 metered water accounts (see Chart 13). Residential users account for 93.2% of total metered accounts and approximately 49.6% of total water consumption. While industrial, commercial, institutional and multi-residential accounts only make up 6.8% of total metered accounts, Industrial Commercial Institutional (ICI) and multi-residential (multi-res) water consumption comprises 50.4% of total consumption (see Chart 14).

Chart 13

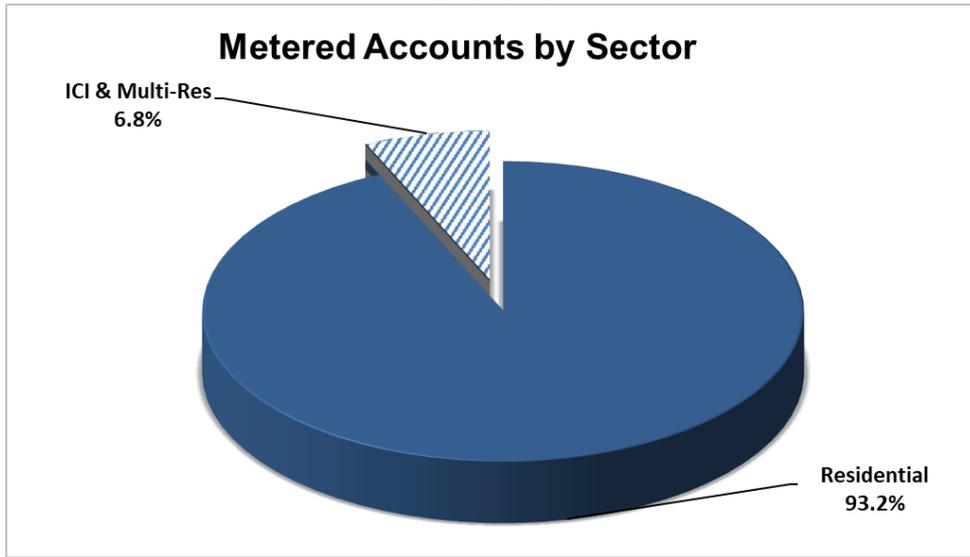
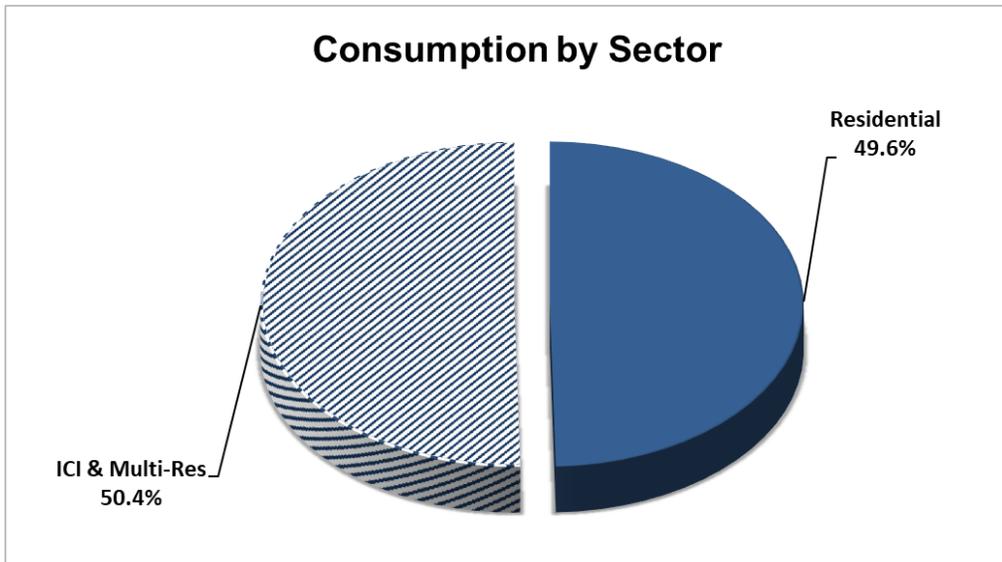


Chart 14



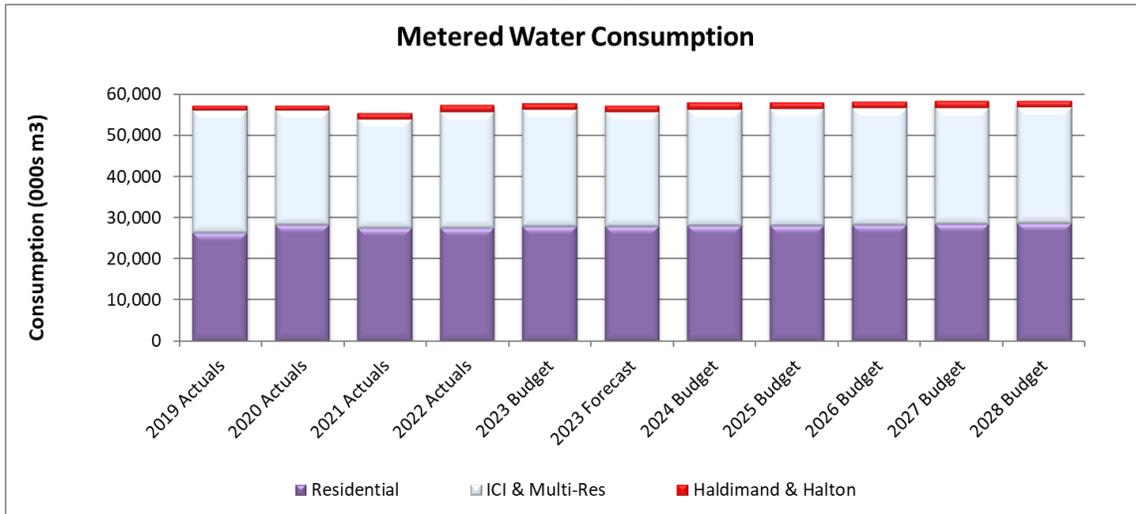
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Total Consumption – 2024 Budget \$279.7 M

Revenues associated with consumption of \$279.7 M represents approximately 92% of the total 2024 Rate Budget revenues of \$303.3 M.

Since 2018, Hamilton’s total metered annual water consumption (see Chart 15) has remained at approximately 57 million cubic metres. The 2023 projected total consumption is just over 57 million cubic metres. The 2024 Budget of 57.8 million cubic metres is less than 1.0% above the consumption in the 2023 Budget.

Chart 15



Total water consumption forecast over the 10-year period (2024 to 2033) reflects relatively flat consumption demand. This relatively conservative forecast mirrors that, although there continues to be growth, there is not a significant change in consumption year-over-year.

Staff will continue to monitor consumption across all sectors and take efforts to ensure that the City is maximizing its full potential with respect to metered water and wastewater / storm revenues. Similarly, staff will be monitoring changes in consumption on an ongoing basis identifying trends and related financial impacts through the Operating Budget Variance Reports provided to Council.

Residential Consumption – 2024 Budget \$134.5 M

Since 2019, residential consumption (see Chart 16) has remained relatively unchanged reflecting an observation that new customers’ consumption has been offset by reduced consumption of existing customers’ ongoing conservation efforts associated with fixture / appliance obsolescence such as the installation of water efficient toilets and washing machines. For 2024, staff is recommending that the forecast for average residential consumption remain at 200 m3 to reflect the past several years of consumption for a total estimate of 27.9 million cubic metres for the residential sector.

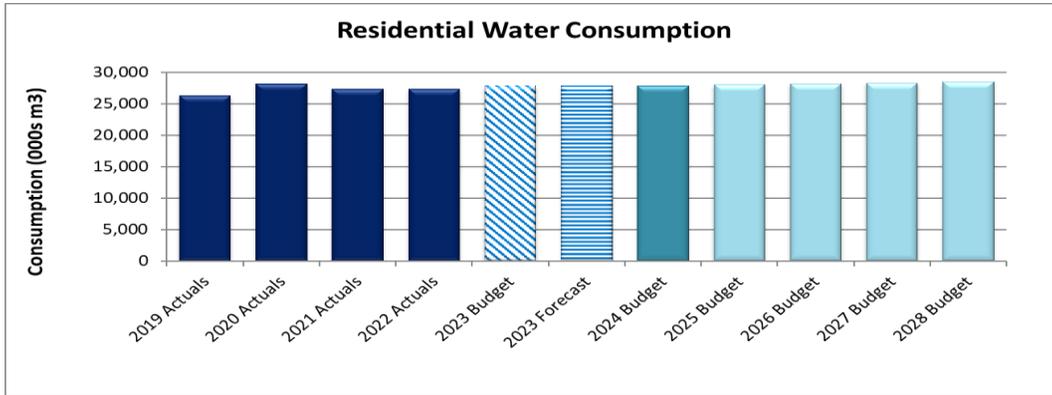
OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

It is not clear how much further average residential consumption can decline, but there exists the potential for further declines, principally due to conservation efforts and associated regulations.

Chart 16



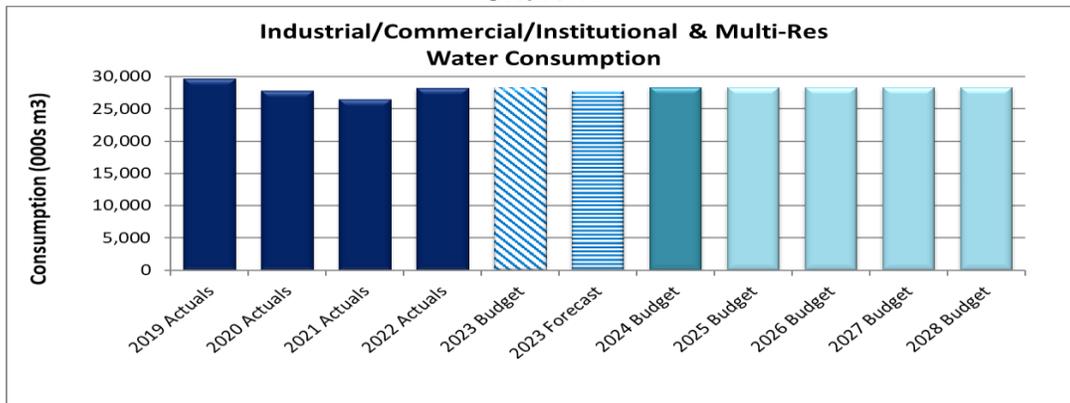
Industrial / Commercial / Institutional and Multi-Res Consumption – 2024 Budget \$140.9 M

Despite continuing growth, particularly in the multi-residential sector, there continues to be ongoing conservation efforts that offset any demand growth associated with new customers. Many existing larger multi-residential customers are implementing water conservation projects.

In sharp contrast to many neighbouring communities, Hamilton is unique in that a significant portion of consumption and, in turn, revenues come from industrial and institutional customers. The top users of the ICI / Multi-res sector representing some 40 customers account for nearly a quarter of total consumption. This reliance on a relatively small number of large water users does pose a risk to revenue stability when these customers undertake water conservation projects or experience a change in business processes as noted above.

As reflected in Chart 17, water consumption demand is forecast to remain relatively flat for the ICI / Multi-res sector at 28.3 million cubic metres for the 2024 Budget.

Chart 17



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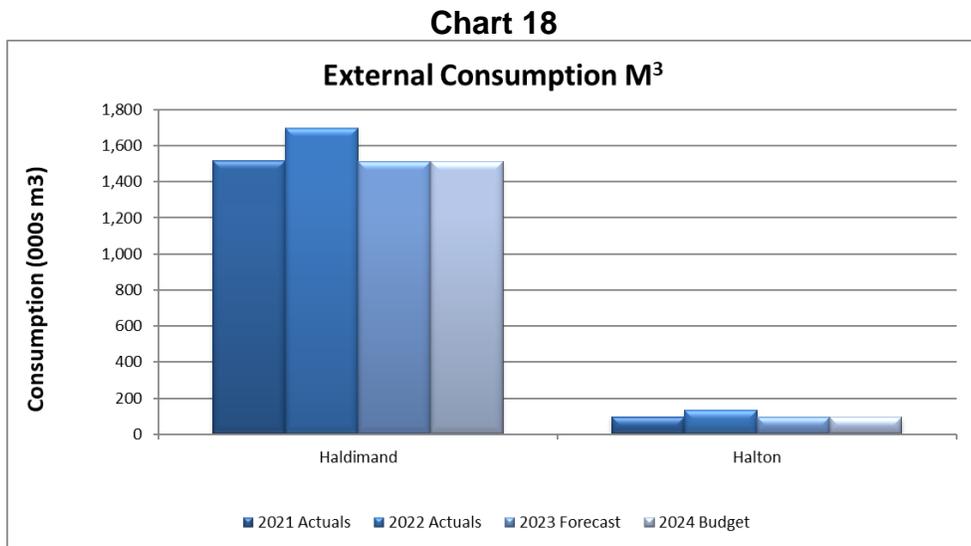
OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

External Consumption – 2024 Budget \$4.3 M

Under long-term arrangements, Hamilton supplies Haldimand County and Halton Region potable water (see Chart 18) but does not provide wastewater / storm services to either community.

A renewed water supply agreement with Haldimand was executed in 2014 for an initial 20-year period with Hamilton supplying water to the communities of Caledonia and Cayuga.

The current water supply agreement for Halton was executed in 2011 for an initial 10-year period with Hamilton supplying water to the Aldershot and Snake Road communities. In September 2019, a renewal agreement was executed that will conclude on November 16, 2031. The 2024 Budget remains the same as 2023 and is in line with historic actuals.



OTHER REVENUE HIGHLIGHTS

Sewer Discharge Permits – 2024 Budget \$10.7 M

Surcharge Discharge Permits allow the City of Hamilton a mechanism to recover costs associated with:

- the costs of conveyance, treatment and monitoring of sewage that exceeds by-law limits for treatable parameters (Overstrength Discharge)
- the costs of conveyance, treatment and monitoring of sewage that was not originally purchased by the customer from the City's potable water supply (Sewer Surcharge)

Sewer Discharge Permits are forecasted to be on budget in 2023 and see a 2% year-over-year increase in 2024.

Permits, General Fees and other Recoveries – 2024 Budget \$3.1 M

Service fees may be charged with the issuance of a permit or alternatively charged on the customer's water bill. Appendix "G" to Report FCS23100 provides details of the user fees and charges that are applicable for various water / wastewater related services provided on an individual basis to customers such as new meter installations, water service turn on or off, laboratory services, etc.

Private Fire Lines – 2024 Budget \$2.0 M

The Private Fire Protection Charge applies to customers that have private fire protection systems which rely upon the public water system for their water supply via an unmetered fire water service line.

Building Faster Fund – 2024 Budget \$4.6 M

In August 2023, the Province of Ontario announced the Building Faster Fund and expansion of Strong Mayor Powers. The Building Faster Fund will provide \$400 M in new annual funding for three years to municipalities that are on target to meet provincial housing targets by 2031. Municipalities that reach 80 per cent of their annual target each year will become eligible for funding based on their share of the overall goal of 1.5 million homes. Municipalities that exceed their target will receive a bonus on top of their allocation. An assumption on the level of funding has been calculated and included in both the preliminary Rate Supported Budget and the Tax Supported Budget financing plans. In the event that housing targets are not met and the revenues are not realized, the City will be required to support those investments with additional draws from discretionary reserves or alternative sources if the discretionary reserve balances are insufficient.

ONGOING INITIATIVES

Lead Water Service Replacement Loan Program

The City's Lead Water Service Replacement Loan Program (Loan Program) was approved by Council in October 2008. The purpose of the Loan Program is to provide homeowners with the continued opportunity to access funding, through an interest-bearing loan from the City, for the purpose of assisting homeowners to reduce their potential risk of exposure to lead in tap water that could be coming from their lead water service line. It should be noted that for qualified low-income property owners, the loan would be provided interest-free. The City's goal remains to replace the City's service stub (located on City property) in conjunction with the property owner replacing the service extension (located on private property), subject to the availability of funds.

The Loan Program enables eligible residential property owners that meet the program requirements to borrow a loan amount up to \$3 K to assist in repaying the cost of lead water service replacements. The loan amount is added to the homeowner's monthly water bill and is required to be repaid over a period of up to 10 years. The Loan Program is forecasting to

provide 85 loans to residents in 2023 for a total of \$243 K. The Program has seen a decrease from the COVID-19 pandemic period but has issued over 2,600 loans with approximately \$5.6 M in financing since its inception.

Low Income Seniors Utility Rebate Program

New in the 2024 Budget is the Low Income Seniors Utility Rebate Program which was approved in the summer of 2023 (refer to Report FCS23045(a) for further details). The Program will provide a rebate amount of approximately 15% of the average residential water and wastewater / storm annual bill amount with the rebate amount being identified during each Rate Supported budget cycle. For example, 2024 recipients would receive \$145 in assistance. The annual utility rebate will be provided as a credit to qualified applicants on their June property tax bill for ease of administration and will be clearly identified as the Low Income Seniors Utility Rebate. The total budget for this program is \$500 K.

Utility Billing Transition

On August 6, 2021, the City was advised that Alectra's Board of Directors, at its meeting of May 21, 2021, approved an Alectra staff recommendation to discontinue utility billing services by the time of the current contract expiry, being December 31, 2024 (for details refer to Report FCS21082). It should be noted that Alectra similarly provided notice of termination to the municipalities of Guelph, Markham and Vaughan.

The City is moving forward with a Hybrid Billing Model which requires the City to acquire a billing software solution referred to as a Customer Information System. Once the system is selected, staff will proceed to procure Contact Centre, Customer Portal, Bill Print and Meter Reading services and establish an in-house Back Office (billing and collections) unit (refer to Report FCS21082(e) for details).

As previously noted, Alectra had advised that it would discontinue utility billing services by December 31, 2024. As per report FCS21082(e), the revised completion timing of the billing transition program is Q2 2025. Alectra has confirmed that it will continue providing utility billing services into 2025 when the City is able to assume billing responsibility. Discussions with Alectra regarding an extension agreement have commenced to determine the terms and conditions for Alectra to continue providing billing services for the City into 2025.

Stormwater Funding Model

A new stormwater funding model has been approved by Council and will be implemented in September 2025. The City will no longer use revenues collected through water and wastewater bills and property taxes to fund stormwater management. Instead, Council has approved a stormwater fee, where properties will be charged based on the load (or use) they place on the stormwater system. Residential properties will pay based on the type of dwelling (e.g., single-family detached dwellings, duplexes / townhomes and multiplexes). Non-residential and large, multi-residential properties will pay based on their measured imperviousness (the amount of hard surface on their property). Refer to FCS22043(b) for further details.

When this new funding model is implemented, water and wastewater rates will be reduced as they will no longer be used to fund stormwater management activities and the stormwater fee will be broken out as a separate line item on utility bills.

The City is currently in the engagement phase of the project, inviting residents and property owners to provide input on a financial incentive program for properties that implement measures to reduce their impact on the stormwater system. Like other municipalities who have implemented similar stormwater funding models (Mississauga, Kitchener and Guelph, to name a few), an incentive program is being considered. This could include credits or subsidies to help lower the stormwater fee for industrial, commercial, institutional and large, multi-residential property owners who implement on-site measures to reduce the amount and / or improve the quality of stormwater runoff from their property.

Subsidized programs to support better on-site stormwater management for residents are also under consideration. An incentive program will not only help property owners to reduce stormwater fees, but it will also encourage and support on-site stormwater management that better supports the natural water balance and protects the natural environment.

DETAILS OF MAJOR CAPITAL PROJECTS

Woodward Wastewater Treatment Upgrade and Expansion Project

The implementation plan for the upgrade and expansion of the WWTP is consistent with the 2023 Rate Budget, in that the plant improvements are forecasted using a phased approach. Phase One is for effluent quality improvements and Phase Two is for expansion of the treatment plant to accommodate growth. Phase One is expected to reach substantial completion in Q1 2024. The total DC Eligible component of Phase Two is \$353.8 M, of which \$333.7 M is in the 2024 – 2033 Financing Plan. Construction for Phase Two related to expansion is proposed to start in 2026 and be completed in 2030.

As outlined in Table 10, the gross budget for the WWTP upgrade and expansion has increased by \$21.1 M compared to the 2023 Budget forecast. The increase can be attributed to updating the total construction cost related to the digester upgrades which was included in the 2023 Budget forecast as DC Eligible Costs only. The DC Eligible costs are 50% of the total costs, thus construction costs were updated to reflect the total budget requirements.

The WWTP expansion project implementation plan has been revised since the 2023 forecast. The expansion was previously scheduled to be completed in 2029 which has now been delayed until 2030. It is scheduled to begin construction in 2026 with 73% of the cost funded by DC debt. In the 2023 Budget, this project was 100% funded by DC Debt. The reduction in DC eligibility has occurred because additional projects have been added to the scope of the total project.

These additional projects are not deemed to be 100% DC eligible, resulting in a revised funding split of the program. The levels of debt supported by DCs represent a significant

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risk if future growth does not materialize as planned. Staff will continue to monitor growth forecasts and DC Revenues over the next four years (2024 – 2027) and adjust the WWTP expansion project and associated financing plan to align with growth requirements. Staff in both Corporate Services (Financial Planning, Administration and Policy) and Public Works (Hamilton Water) will closely monitor the need for WWTP expansion, as well as, the forecasted DC Revenue streams needed to pay for such an expansion to mitigate the risk to the ratepayer.

Table 10

Woodward Wastewater Treatment Plant Project - Gross Capital Forecasts												
(\$ Millions)												
	pre											
	Total	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
2024 Budget												
Woodward WWTP - Expansion	477.2	20.1	7.6	7.6	57.9	108.7	108.7	108.7	57.9	-	-	-
Woodward WWTP - North Digester Complex Rehabilitation	48.2	5.1	1.6	20.8	20.8	-	-	-	-	-	-	-
Total WWTP	525.4	25.1	9.2	28.3	78.7	108.7	108.7	108.7	57.9	-	-	-
2023 Budget												
Woodward WWTP - Expansion	456.1	20.1	10.6	10.6	103.7	103.7	103.7	103.7	-	-	-	-
Woodward WWTP - North Digester Complex Rehabilitation	48.2	5.1	1.6	20.8	20.8	-	-	-	-	-	-	-
Total WWTP	504.3	25.1	12.2	31.3	124.5	103.7	103.7	103.7	-	-	-	-
Increase (Decrease)												
Woodward WWTP - Expansion	21.1	-	(3.0)	(3.0)	(45.8)	5.0	5.0	5.0	57.9	-	-	-
Woodward WWTP - North Digester Complex Rehabilitation	-	-	-	-	-	-	-	-	-	-	-	-
Total WWTP	21.1	-	(3.0)	(3.0)	(45.8)	5.0	5.0	5.0	57.9	-	-	-

Chedoke Creek – Cootes Paradise Workplan

In 2018, the City discovered that one of its combined sewer overflow tanks was discharging combined sewage into Chedoke Creek. The City immediately stopped the discharge, began clean-up activities in the area and contacted the Provincial Spills Action Centre. As a result of the overflow discharge, the City was served an Order by the Ministry of Environment, Conservation and Parks (MECP) outlining several actions required by the City.

The first part of the Order required the City to develop the Chedoke Creek Workplan, which was approved by the Ministry of the Environment, Conservation and Parks on June 11, 2021 and identified the remedial strategy for targeted dredging in Chedoke Creek. The initial workplan is a living document and subject to change as potential new information is discovered while executing the targeted dredging work.

The second part of the Order required the City to develop the Cootes Paradise Report, which was also approved on June 11, 2021. This Report to the Ministry of the Environment, Conservation and Parks proposed the remediation and mitigation works to offset the impacts associated with the added nutrient loading to Cootes Paradise and the Western Hamilton Harbour Area that cannot be recovered by dredging Chedoke Creek.

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In addition to the Order, City Council directed Hamilton Water staff to meet with Royal Botanical Gardens staff to review potential solutions to Chedoke Creek and report back to the General Issues Committee with their findings. As a result, the Chedoke Creek Water Quality Improvement Study was developed and finalized to proactively address some requirements of the Order. Contributions from the study were included in the development of the Cootes Paradise Report and subsequently applied in the development of the Cootes Paradise Workplan.

Table 11 details the capital investment that has been included in the 2024-2033 rate supported capital forecast to meet the requirements of the initial Chedoke Creek and Cootes Paradise Workplan with the majority of funding coming from reserves.

Table 11

Chedoke Creek - Cootes Paradise Workplan (\$000's)							
	Total	Pre-2024	2024	2025	2026	2027	2028-2033
Chedoke Creek Water Quality Improvements (CASH FLOWED)	12,450	11,350	1,100	-	-	-	-
Lower Chedoke Combined EA Study	7,230	1,930	1,100	2,100	2,100	-	-
Chedoke Watershed Stormwater Retrofit EA Study	10,830	1,380	-	3,150	3,150	3,150	-
Total	30,510	14,660	2,200	5,250	5,250	3,150	-

Woodward Water Treatment Plant

The Woodward Avenue Water Treatment Plant (WTP) is a conventional drinking water treatment plant with a rated capacity of 909 ML/d providing potable water and fire protection. The Plant services over 500,000 people and is the City’s only WTP servicing the City of Hamilton’s greater urban area, including some communities in Halton Region and Haldimand County. The plant was originally constructed in 1931 and expanded in the late 1950s, with various improvements occurring over the decades. The treatment process includes intake chlorination (for zebra mussel control and pathogen inactivation), screening, pre-chlorination (for pathogen inactivation), coagulation, flocculation, conventional gravity sedimentation, granular activated carbon (GAC) filtration, post-filter chlorination / ammoniation (for residual maintenance by chloramination) and fluoridation and corrosion control (for reduction of lead concentrations below regulatory limits).

Over the last several years, Hamilton Water (HW) completed a Best Available Technologies and Feasibility Study (CH2M Hill 2016) and are nearing completion of a Conceptual Design (AECOM 2022) for the WTP Phase 2 Process Upgrades. Concurrently, HW completed the WTP Phase 1 Process Upgrades through a construction project that involved \$25 M in large capital maintenance upgrades. The upcoming WTP Phase 2 Process Upgrades are largely focused on increasing capacity output of select processes within the WTP along with critical process and water quality improvements.

In the 2024 Budget, Phase 2 has been split up into Phase 2A and Phase 2B as the growth-related upgrades were delayed until years which the capacity requirements are required to accommodate growth. Phase 2A is the non-growth component of the upgrades

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which is currently planned to commence a full design assignment in 2024 and a subsequent construction tender from 2027 through 2033. Phase 2B is the growth component of the upgrades which is currently planned to commence a design assessment in 2030 with construction beginning in 2032. Eligible expenses of Phase 2B are 100% funded by DC Debt.

The recently completed Core Asset Management Plan (2022) including the City of Hamilton's Waterworks identified that the condition of the WTP is rated as four or Poor, largely due to the deficiencies that will be addressed by the WTP Phase 2 Process Upgrades.

A 10-year forecasted budget (cash flowed) for the WTP Phase 2 Process Upgrades of \$353 M was included in the 2023 Water, Wastewater and Storm Rate Budget. Recent updated estimates developed during the Conceptual Design are in the order of \$548 M. This amount has been included in the 2024-2033 Financing Plan. As outlined in Table 12, The estimated increase of \$192 M is a result of increased costs for water quality components and inflation related increases. Additionally, previous estimates did not include any budget for contingency which has now been added to the project.

Currently, the City of Hamilton is undertaking a third-party review of key areas that are deemed critical to the success of this project as part of a due diligence approach, focusing on reviewing: capital costs, staff resourcing, project phasing opportunities and risk analysis of large capital projects concurrently active at the Woodward Avenue site. HW will provide a full report and presentation on the WTP Phase 2 Process Upgrades to the Public Works Committee in 2024.

Table 12

Woodward Water Treatment Plant Workplan							
(\$000's)							
	Total	Pre-2024	2024	2025	2026	2027	2028-2033
2024 Budget							
Woodward Water Treatment Plant - Phase 2A	337,940	4,544	6,810	4,810	4,810	28,010	288,956
Woodward Water Treatment Plant - Phase 2B	210,007	-	-	-	-	-	210,007
Total Phase 2	547,947	4,544	6,810	4,810	4,810	28,010	498,963
2023 Budget							
Woodward Water Treatment Plant - Phase 2A	355,627	4,544	6,803	4,810	28,010	51,700	259,760
Woodward Water Treatment Plant - Phase 2B	-	-	-	-	-	-	-
Total Phase 2	355,627	4,544	6,803	4,810	28,010	51,700	259,760
Increase (Decrease)							
Woodward Water Treatment Plant - Phase 2A	(17,687)	-	7	-	(23,200)	(23,690)	29,196
Woodward Water Treatment Plant - Phase 2B	210,007	-	-	-	-	-	210,007
Total Phase 2	192,320	-	7	-	(23,200)	(23,690)	239,203

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

Dundas Wastewater Treatment Plant (WWTP)

Serving the community of Dundas, the Dundas WWTP is a conventional activated sludge facility with nitrification and tertiary filtration, providing a rated capacity of 18,200 m³/d and a peak flow capacity of 42,200 m³/d. Excess peak flow from the service area is diverted around the facility by an upstream flow diversion structure and pumped eastward where it is treated at the Woodward Avenue WWTP. Treated WWTP effluent is discharged into the Desjardin Canal which is connected to Cootes Paradise, a wetland of notable environmental sensitivity.

As the two main sections of the facility, Plant A and Plant B were constructed in 1962 and 1977, respectively, a major capital upgrade is required to ensure reliable service can continue for the community. A facility upgrade plan completed in 2015 developed a suggested layout and sequence for the capital upgrade and included a high-level cost estimate. The cost estimate for replacement of both plants (A and B) along with ancillary processes in 2013 dollars as noted in the AECOM consulting report was \$60.1 M.

Table 13 details the \$137.5 M capital investment that has been included in the 2024 – 2033 Financing Plan. This amount has remained unchanged from the 2023 Budget. These costs will be distributed throughout a multi-year capital upgrade program that will also be identified in the revised facility plan. It is noted in the Water and Wastewater Master Plan (2006) that growth potential in the community of Dundas is limited and there is no opportunity for DC revenues to fund this upgrade.

Table 13

Dundas WWTP Improvements Workplan (\$000's)							
	Total	Pre-2024	2024	2025	2026	2027	2028-2033
Dundas WWTP Improvements (CASH FLOWED)	142,010	4,560	1,150	1,650	2,150	26,750	105,750
Total	142,010	4,560	1,650	1,150	26,650	22,150	87,500

Flooding and Draining Improvement Framework

On August 10, 2022, the Public Works Committee received Report PW22071. This Report provided a roadmap that guides the City of Hamilton toward improved drainage system performance to mitigate community flooding and Combined Sewer Overflows. The completed assessment has recommended a significant capital investment and infrastructure program that carries an estimated 10-year cost of \$367 M, 10 to 20-year cost of \$258 M and a 20+ year cost of \$404 M, for a total program value exceeding \$1 B.

Due to increased urbanization, growth intensification and increases in the frequency and intensity of rainfall events due to climate change, the original design capacity of the City’s legacy Combined Sewer System has become strained, resulting in the Combined Sewer System capacity being overloaded more frequently during higher volume rain events.

These pressures, along with a lack of major overland flow routes, have resulted in both overland and basement flooding issues throughout the Combined Sewer System.

Recommended strategies are focused on Managed Sewer Separation, an effort to build separated storm sewer infrastructure within the Combined Sewer System where it does not currently exist today. Beyond managed sewer separation, additional recommendations are made to provide support for increased levels of sewer system service to the community in the form of sewer rehabilitation, underground storage, major system conveyance improvements, inlet controls, green infrastructure and private property measures.

There is currently \$116.4 M budgeted in the 2024 – 2033 capital program for specific flooding and drainage framework projects. A portion of the unspecified works projects included in the 2024 – 2033 capital program will be used to fund the remaining flooding and drainage framework projects once the EA studies are completed. The recommended program involves studies, investigations, policy development and infrastructure works for a zero to 20+ year timeframe to maximize the system performance objective results. The long-term program costs (10+ years) will be refined based on the results of the strategic Class Environmental Assessment studies recommended for short-term completion.

Asset Management

There is currently \$157.6 M in the 2024 – 2033 Capital Program for Asset Management projects related to water and wastewater outstation upgrades and inspections. In addition to this, unspecified works totalling \$511.3 M are included in the Capital Program from 2030 – 2033, which is an increase of \$346.3 M over the 2023 Rate Budget. This increase is attributable to an updated methodology for calculating unspecified works which now includes the \$1.1 B infrastructure funding gap highlighted in the Core Asset Management Plan (2022). Unspecified works are used to budget for an anticipated level of spending required to maintain current levels but the exact projects that these funds will go to is currently unknown.

Provincial / Federal Subsidy Programs

The City of Hamilton will be required to pursue future Provincial and Federal intake programs as they become available to address the infrastructure gap. The 2024 Water, Wastewater and Storm Budget includes \$7.0 M in Provincial Subsidy Revenues from Metrolinx for Light Rail Transit enabling projects. The 2024-2033 capital forecast period includes \$82.8 M in anticipated subsidy revenues from Provincial and Federal subsidy programs.

Although the City of Hamilton anticipates future subsidy revenues, there are currently no active Federal or Provincial programs and continued advocacy will be required to secure subsidy funding. It is assumed that funding programs will be available for the Woodward WWTP – Primary Clarifiers in 2025, Dundas WWTP Replacement in 2025, the Woodward WWTP – North Digester Complex Rehabilitation in 2025 and 2026 and the Dundas WWTP Improvements in years 2026-2032. In addition to this, the 2024-2033 capital forecast period

includes \$12.9 M in Federal Subsidy Revenues from Infrastructure Canada’s Disaster Mitigation and Adaptation Fund (DMAF). Five projects were submitted to Infrastructure Canada for consideration. Currently, it is unknown if the applications will be successful as no response has been received to date. Further details can be found in Report FCS21090(b).

ALTERNATIVES FOR CONSIDERATION

Beyond the recommended rate increase, Council can direct staff to submit for Council consideration changes to this budget submission that would require a review of the 2024 Capital and Operating Budget submissions.

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to Report FCS23100 – 2024 Hamilton Water, Wastewater and Storm Operating Budget – Combined Water, Wastewater and Storm

Appendix “B” to Report FCS23100 – 2024 Hamilton Water Operating Budget – Water

Appendix “C” to Report FCS23100 – 2024 Hamilton Wastewater and Storm Operating Budget – Combined Wastewater and Storm

Appendix “D” to Report FCS23100 – 2024 Hamilton Wastewater and Storm Operating Budget – Wastewater

Appendix “E” to Report FCS23100 – 2024 Hamilton Wastewater and Storm Operating Budget – Storm

Appendix “F” to Report FCS23100 – Hamilton Water – 2024 Rate Supported Staffing Summary and 2024 Rate Budget – Business Case Summary – Public Works

Appendix “G” to Report FCS23100 – 2024 Water and Wastewater / Storm Fees and Charges, Effective January 1, 2024 – 2024 Private Fire Line Rates – 2024 Proposed User Fees and Charges

Appendix “H” to Report FCS23100 – Source of Capital Financing – 2024 to 2033 Rate Program Capital Budget

Appendix “I” to Report FCS23100 – 2024 to 2033 Water / Wastewater / Storm Capital Financing Plan

Appendix “J” to Report FCS23100 – Source of Capital Financing – 2024 to 2033 Rate Program Capital Budget – Water

Appendix “K” to Report FCS23100 – Water System – 2024 Capital Budget Project List

Appendix “L” to Report FCS23100 – Water System – 2024 to 2033 Capital Budget List

Appendix “M” to Report FCS23100 – Source of Capital Financing – 2024 to 2033 Rate Program Capital Budget – Wastewater

Appendix “N” to Report FCS23100 – Wastewater System – 2024 Capital Budget Project List

Appendix “O” to Report FCS23100 – Wastewater System – 2024 to 2033 Capital Budget List

Appendix “P” to Report FCS23100 – Source of Capital Financing – 2024 to 2033 Rate Program Capital Budget – Storm Sewers

Appendix “Q” to Report FCS23100 – Storm Water Management – 2024 Capital Budget Project List

Appendix “R” to Report FCS23100 – Storm Water Management – 2024 to 2033 Capital Budget List

Appendix “S” to Report FCS23100 – 2024 Rate Program Capital Budget Summary

Appendix “T” to Report FCS23100 – City of Hamilton Treasurer’s Updated 2023 Annual Repayment Limit

Appendix "A" to Report FCS23100

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CITY OF HAMILTON
2024 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2023 RESTATED BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATED BUDGET	CHANGE 2024 REQUESTED / 2023 RESTATED BUDGET
	\$	\$	\$	\$ %	\$ %
<u>OPERATING EXPENDITURES:</u>					
Divisional Administration & Support	11,498,313	14,487,816	11,911,663	(2,989,503) (26.0%)	413,349 3.6%
Woodward Upgrades	1,953,429	1,953,429	1,862,321	-	(91,107) (4.7%)
Customer Service & Community Outreach	6,923,785	8,998,306	11,957,546	(2,074,521) (30.0%)	5,033,761 72.7%
Compliance & Regulations	7,843,466	7,732,610	9,035,998	110,856 1.4%	1,192,533 15.2%
Water Distribution & Wastewater Collection	24,239,426	24,239,426	25,449,695	-	1,210,270 5.0%
Plant Operations	35,866,472	36,862,400	40,003,970	(995,928) (2.8%)	4,137,499 11.5%
Plant Maintenance	12,563,094	12,563,094	13,618,557	-	1,055,462 8.4%
Capital Planning & Delivery	5,306,737	5,306,737	5,905,415	-	598,678 11.3%
Watershed Management	1,642,718	1,642,718	1,863,619	-	220,901 13.4%
Wastewater Abatement Program	1,142,465	1,142,465	1,141,839	-	(626) (0.1%)
Alectra Utilities Service Contract	6,010,198	6,010,198	6,250,606	-	240,408 4.0%
Low Income Seniors Utility Rebate	500,328	500,328	500,061	-	(267) (0.1%)
Sewer Lateral Management Program	325,000	325,000	300,000	-	(25,000) (7.7%)
Hamilton Harbour Remedial Action Plan	604,011	604,011	679,084	-	75,073 12.4%
Protective Plumbing Program (3P)	752,938	752,938	750,016	-	(2,921) (0.4%)
Financial Charges	86,118	86,118	84,483	-	(1,636) (1.9%)
	117,258,498	123,207,595	131,314,874	(5,949,097) (5.1%)	14,056,376 12.0%
Capital and Reserve Recoveries	(8,746,180)	(8,746,180)	(10,201,749)	-	(1,455,569) 16.6%
Sub-Total	108,512,318	114,461,415	121,113,125	(5,949,097) (5.5%)	12,600,807 11.6%
<u>Capital and Reserve Impacts on Operating</u>					
<u>Contributions to Capital</u>					
Water Quality Initiatives	64,300,080	62,960,080	61,897,966	1,340,000 2.1%	(2,402,114) (3.7%)
Wastewater	54,231,042	54,901,042	53,114,298	(670,000) (1.2%)	(1,116,744) (2.1%)
Stormwater	14,822,000	15,492,000	19,858,000	(670,000) (4.5%)	5,036,000 34.0%
Sub-Total Contributions to Capital	133,353,122	133,353,122	134,870,264	- 0.0%	1,517,142 1.1%

Appendix "A" to Report FCS23100

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CITY OF HAMILTON
2024 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2023 RESTATED BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATED BUDGET		CHANGE 2024 REQUESTED / 2023 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:							
Contributions for DC Exemptions							
Water Quality Initiatives	2,520,000	2,520,000	18,872,380	-	0.0%	16,352,380	648.9%
Wastewater	4,590,000	4,590,000	11,323,428	-	0.0%	6,733,428	146.7%
Stormwater	1,890,000	1,890,000	7,548,952	-	0.0%	5,658,952	299.4%
Sub-Total Contributions for DC Exemptions	9,000,000	9,000,000	37,744,760	-	0.0%	28,744,760	319.4%
Capital Debt Charges							
Water Quality Initiatives	11,694,759	7,973,746	11,493,793	3,721,013	31.8%	(200,966)	(1.7%)
Wastewater	13,229,466	7,728,980	12,870,675	5,500,486	41.6%	(358,791)	(2.7%)
Stormwater	3,780,708	2,921,146	4,171,929	859,562	22.7%	391,221	10.3%
DC Debt Charges Recoveries	(7,123,627)	(457,127)	(5,925,607)	(6,666,500)	93.6%	1,198,020	(16.8%)
Sub-Total Debt Charges	21,581,306	18,166,745	22,610,790	3,414,561	15.8%	1,029,484	4.8%
Sub-Total Capital Financing	163,934,428	160,519,867	195,225,814	3,414,561	2.1%	31,291,386	19.1%
Reserve Transfers	(2)	(2,624,538)	(13,000,001)	2,624,536	N/A	(12,999,999)	N/A
Sub-Total Capital and Reserve Impacts on Operating	163,934,426	157,895,329	182,225,814	6,039,098	3.7%	18,291,387	11.2%
TOTAL EXPENDITURES	272,446,745	272,356,743	303,338,939	90,002	0.0%	30,892,194	11.3%
REVENUES:							
Rate Revenue							
Residential	121,736,239	121,736,239	134,524,794	-	0.0%	12,788,555	10.5%
Industrial/Commercial/Institutional/Multi-res	128,334,602	128,084,602	140,870,792	(250,000)	(0.2%)	12,536,190	9.8%
Haldimand	3,606,687	3,806,687	3,959,129	200,000	5.5%	352,441	9.8%
Halton	310,551	310,550	338,834	(1)	(0.0%)	28,283	9.1%
Raw Water	190,100	150,100	197,704	(40,000)	(21.0%)	7,604	4.0%
Non-Metered	1,100,000	1,100,000	1,195,700	-	0.0%	95,700	8.7%
Private Fire Lines	1,800,000	1,800,000	1,956,600	-	0.0%	156,600	8.7%
Hauler / 3rd Party Sales	1,892,800	1,892,800	1,968,512	-	0.0%	75,712	4.0%
Overstrength Agreements	3,439,098	3,439,098	3,507,880	(0.31)	(0.0%)	68,782	2.0%
Sewer Surcharge Agreements	7,005,322	7,005,322	7,145,429	(0.30)	(0.0%)	140,106	2.0%
Sub-Total Utility Rates	269,415,400	269,325,398	295,665,374	(90,002)	(0.0%)	26,249,974	9.7%

CITY OF HAMILTON
2024 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2023 RESTATE D BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATE D BUDGET		CHANGE 2024 REQUESTED / 2023 RESTATE D BUDGET	
	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:							
Non-Rate Revenue							
Local Improvement Recoveries	275,850	275,850	275,850	-	0.0%	-	0.0%
Permits / Leases / Agreements	1,151,958	1,151,958	1,198,036	-	0.0%	46,078	4.0%
Investment Income	450,000	450,000	450,000	-	0.0%	-	0.0%
General Fees and Recoveries	1,153,537	1,153,537	1,199,679	-	0.0%	46,141	4.0%
Building Faster Fund	-	-	4,550,000	-	0.0%	4,550,000	N/A
Sub-Total Non-Rate Revenue	3,031,345	3,031,345	7,673,565	-	0.0%	4,642,220	153.1%
TOTAL REVENUES	272,446,745	272,356,743	303,338,939	(90,002)	(0.0%)	30,892,194	11.3%
NET EXPENDITURES	-	-	-	-	0.0%	-	0.0%

CITY OF HAMILTON
2024 - 2027 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:											
Divisional Administration & Support	11,498,313	11,911,663	12,388,129	12,883,655	13,399,001	413,349	3.6%	476,467	4.0%	495,525	4.0%
Woodward Upgrades	1,953,429	1,862,321	1,936,814	2,014,287	2,094,858	(91,107)	(4.7%)	74,493	4.0%	77,473	4.0%
Customer Service & Community Outreach	6,923,785	11,957,546	7,801,911	8,113,988	8,438,547	5,033,761	72.7%	(4,155,635)	-34.8%	312,076	4.0%
Compliance & Regulations	7,843,466	9,035,998	9,434,086	9,811,449	10,203,907	1,192,533	15.2%	398,088	4.4%	377,363	4.0%
Water Distribution & Wastewater Collection	24,239,426	25,449,695	26,467,683	27,526,391	28,627,446	1,210,270	5.0%	1,017,988	4.0%	1,058,707	4.0%
Plant Operations	35,866,472	40,003,970	41,604,129	43,268,294	44,999,026	4,137,499	11.5%	1,600,159	4.0%	1,664,165	4.0%
Plant Maintenance	12,563,094	13,618,557	14,163,299	14,729,831	15,319,024	1,055,462	8.4%	544,742	4.0%	566,532	4.0%
Capital Planning & Delivery	5,306,737	5,905,415	6,221,434	6,470,291	6,729,103	598,678	11.3%	316,018	5.4%	248,857	4.0%
Watershed Management	1,642,718	1,863,619	1,984,380	2,063,756	2,146,306	220,901	13.4%	120,762	6.5%	79,375	4.0%
Wastewater Abatement Program	1,142,465	1,141,839	1,187,513	1,235,013	1,284,414	(626)	(0.1%)	45,674	4.0%	47,501	4.0%
Alectra Utilities Service Contract	6,010,198	6,250,606	6,500,630	6,760,655	7,031,081	240,408	4.0%	250,024	4.0%	260,025	4.0%
Low Income Seniors Utility Rebate	500,328	500,061	520,064	540,866	562,501	(267)	(0.1%)	20,002	4.0%	20,803	4.0%
Sewer Lateral Management Program	325,000	300,000	312,000	324,480	337,459	(25,000)	(7.7%)	12,000	4.0%	12,480	4.0%
Hamilton Harbour Remedial Action Plan	604,011	679,084	706,247	734,497	763,877	75,073	12.4%	27,163	4.0%	28,250	4.0%
Protective Plumbing Program (3P)	752,938	750,016	780,017	811,217	843,666	(2,921)	(0.4%)	30,001	4.0%	31,201	4.0%
Financial Charges	86,118	84,483	87,862	91,376	95,031	(1,636)	(1.9%)	3,379	4.0%	3,514	4.0%
	117,258,498	131,314,874	132,096,199	137,380,046	142,875,248	14,056,376	12.0%	781,324	0.6%	5,283,848	4.0%
Capital and Reserve Recoveries	(8,746,180)	(10,201,749)	(10,609,819)	(11,034,212)	(11,475,580)	(1,455,569)	16.6%	(408,070)	4.0%	(424,393)	4.0%
Sub-Total	108,512,318	121,113,125	121,486,379	126,345,834	131,399,668	12,600,807	11.6%	373,254	0.3%	4,859,455	4.0%
Capital and Reserve Impacts on Operating											
Contributions to Capital											
Water Quality Initiatives	64,300,080	61,897,966	74,734,174	90,291,402	74,544,759	(2,402,114)	(3.7%)	12,836,208	20.7%	15,557,229	20.8%
Wastewater	54,231,042	53,114,298	43,021,500	42,036,710	43,021,444	(1,116,744)	(2.1%)	(10,092,798)	(19.0%)	(984,790)	(2.3%)
Stormwater	14,822,000	19,858,000	28,015,000	20,246,000	42,465,000	5,036,000	34.0%	8,157,000	41.1%	(7,769,000)	(27.7%)
Sub-Total Contributions to Capital	133,353,122	134,870,264	145,770,674	152,574,112	160,031,203	1,517,142	1.1%	10,900,410	8.1%	6,803,439	4.7%
Contributions for DC Exemptions											
Water Quality Initiatives	2,520,000	18,872,380	19,355,513	19,851,014	20,359,200	16,352,380	648.9%	483,133	2.6%	495,501	2.6%
Wastewater	4,590,000	11,323,428	11,613,308	11,910,608	12,215,520	6,733,428	146.7%	289,880	2.6%	297,301	2.6%
Stormwater	1,890,000	7,548,952	7,742,205	7,940,406	8,143,680	5,658,952	299.4%	193,253	2.6%	198,200	2.6%
Sub-Total Contributions for DC Exemptions	9,000,000	37,744,760	38,711,026	39,702,028	40,718,400	28,744,760	319.4%	966,266	2.6%	991,002	2.6%
Debt Charges											
Water Quality Initiatives	11,694,759	11,493,793	19,910,695	30,516,445	42,004,100	(200,966)	(1.7%)	8,416,902	73.2%	10,605,750	53.3%
Wastewater	13,229,466	12,870,675	23,886,904	37,111,817	54,775,965	(358,791)	(2.7%)	11,016,229	85.6%	13,224,912	55.4%
Stormwater	3,780,708	4,171,929	6,892,549	9,132,436	10,719,804	391,221	10.3%	2,720,620	65.2%	2,239,887	32.5%
DC Debt Charges Recoveries	(7,123,627)	(5,925,607)	(16,764,226)	(28,942,657)	(43,629,906)	1,198,020	(16.8%)	(10,838,620)	182.9%	(12,178,430)	72.6%
Sub-Total Debt Charges	21,581,306	22,610,790	33,925,922	47,818,041	63,869,963	1,029,484	4.8%	11,315,132	50.0%	13,892,119	40.9%
Reserve Transfers	(2)	(13,000,001)	(7,150,000)	(1,300,001)	(2)	(12,999,999)	N/A	5,850,000	(45.0%)	5,849,999	(81.8%)
Sub-Total Capital and Reserve Impacts on Operating	163,934,426	182,225,814	211,257,621	238,794,181	264,619,564	18,291,387	11.2%	29,031,808	15.9%	27,536,559	13.0%
TOTAL EXPENDITURES	272,446,745	303,338,939	332,744,001	365,140,015	396,019,231	30,892,194	11.3%	29,405,062	9.7%	32,396,014	9.7%

**CITY OF HAMILTON
2024 - 2027 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM**

Appendix "A" to Report FCS23100

	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:											
Rate Revenue											
Residential	121,736,239	134,524,794	148,642,325	164,367,667	181,814,279	12,788,555	10.5%	14,117,531	10.5%	15,725,342	10.6%
Industrial/Commercial/Institutional/Multi-res	128,334,602	140,870,792	155,017,816	170,484,179	187,209,649	12,536,190	9.8%	14,147,024	10.0%	15,466,363	10.0%
Haldimand	3,606,687	3,959,129	4,358,868	4,779,595	5,225,311	352,441	9.8%	399,740	10.1%	420,726	9.7%
Halton	310,551	338,834	371,900	408,787	447,316	28,283	9.1%	33,066	9.8%	36,887	9.9%
Raw Water	190,100	197,704	205,612	213,837	222,390	7,604	4.0%	7,908	4.0%	8,224	4.0%
Non-Metered	1,100,000	1,195,700	1,314,074	1,442,854	1,577,039	95,700	8.7%	118,374	9.9%	128,779	9.8%
Private Fire Lines	1,800,000	1,956,600	2,150,303	2,361,033	2,580,609	156,600	8.7%	193,703	9.9%	210,730	9.8%
Hauler / 3rd Party Sales	1,892,800	1,968,512	2,047,252	2,129,143	2,214,308	75,712	4.0%	78,740	4.0%	81,890	4.0%
Overstrength Agreements	3,439,098	3,507,880	3,578,038	3,649,599	3,722,591	68,782	2.0%	70,158	2.0%	71,561	2.0%
Sewer Surcharge Agreements	7,005,322	7,145,429	7,288,337	7,434,104	7,582,786	140,106	2.0%	142,909	2.0%	145,767	2.0%
Sub-Total Utility Rates	269,415,400	295,665,374	324,974,527	357,270,796	392,596,278	26,249,974	9.7%	29,309,153	9.9%	32,296,269	9.9%
Non-Rate Revenue											
Local Improvement Recoveries	275,850	275,850	275,850	275,850	275,850	-	0.0%	-	0.0%	-	0.0%
Permits / Leases / Agreements	1,151,958	1,198,036	1,245,958	1,295,796	1,347,628	46,078	4.0%	47,921	4.0%	49,838	4.0%
Investment Income	450,000	450,000	450,000	450,000	450,000	-	0.0%	-	0.0%	-	0.0%
General Fees and Recoveries	1,153,537	1,199,679	1,247,666	1,297,572	1,349,475	46,141	4.0%	47,987	4.0%	49,907	4.0%
Building Faster Fund	-	4,550,000	4,550,000	4,550,000	-	4,550,000	0.0%	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	3,031,345	7,673,565	7,769,474	7,869,219	3,422,953	4,642,220	153.1%	95,909	1.2%	99,745	1.3%
TOTAL REVENUES	272,446,745	303,338,939	332,744,001	365,140,015	396,019,232	30,892,194	11.3%	29,405,062	9.7%	32,396,014	9.7%
NET EXPENDITURES	-	-	-	-	-	-	0.0%	-	0.0%	0	0.0%

CITY OF HAMILTON
2024-2033 HAMILTON WATER, WASTEWATER & STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM
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	2023 Restated	2024 Requested	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	108,512	121,113	121,486	126,346	131,400	136,656	142,122	147,807	153,719	159,868	166,262
TOTAL OPERATING COSTS	108,512	121,113	121,486	126,346	131,400	136,656	142,122	147,807	153,719	159,868	166,262
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Water	64,300	61,898	74,734	90,291	74,545	66,849	72,869	101,775	109,835	134,069	83,443
Wastewater	54,231	53,114	43,022	42,037	43,021	63,918	79,611	85,282	89,256	114,341	162,507
Stormwater	14,822	19,858	28,015	20,246	42,465	46,265	45,559	43,882	71,935	76,233	129,568
Sub-total Contributions to Capital	133,353	134,870	145,771	152,574	160,031	177,032	198,039	230,939	271,026	324,643	375,517
Contributions for DC Exemptions											
Water	2,520	18,872	19,356	19,851	20,359	20,880	21,415	21,963	22,525	23,102	23,693
Wastewater	4,590	11,323	11,613	11,911	12,216	12,528	12,849	13,178	13,515	13,861	14,216
Stormwater	1,890	7,549	7,742	7,940	8,144	8,352	8,566	8,785	9,010	9,241	9,477
Sub-total Contributions to Capital	9,000	37,745	38,711	39,702	40,718	41,761	42,830	43,926	45,051	46,204	47,387
Debt Charges											
Water	11,695	11,494	19,911	30,516	42,004	52,413	60,974	64,999	67,608	68,601	72,998
Wastewater	13,229	12,871	23,887	37,112	54,776	70,919	84,575	93,282	97,385	96,075	96,134
Stormwater	3,781	4,172	6,893	9,132	10,720	11,861	12,180	12,090	12,030	11,534	11,483
DC Debt Charges Recoveries	(7,124)	(5,926)	(16,764)	(28,943)	(43,630)	(55,183)	(62,286)	(67,184)	(68,851)	(70,348)	(74,652)
Sub-total Debt Charges	21,581	22,611	33,926	47,818	63,870	80,010	95,443	103,188	108,172	105,862	105,963
	107.91%	104.77%	150.04%	140.95%	133.57%	125.27%	119.29%	108.12%	104.83%	97.86%	100.10%
Reserve Transfers	-	(13,000)	(7,150)	(1,300)	-	-	-	-	-	-	5,633
Sub-Total Capital & Reserve Impacts on Operating	163,934	182,226	211,258	238,794	264,620	298,803	336,311	378,054	424,248	476,709	534,500
TOTAL EXPENDITURES	272,447	303,339	332,744	365,140	396,019	435,459	478,433	525,860	577,967	636,577	700,762

CITY OF HAMILTON
2024-2033 HAMILTON WATER, WASTEWATER & STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM
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	2023 Restated	2024 Requested	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast
REVENUES											
Residential	121,736	134,525	148,642	164,368	181,814	201,131	222,146	245,704	271,600	300,078	331,683
Industrial/Commercial/Institutional/Multi-res	128,335	140,871	155,018	170,484	187,210	205,846	226,350	248,673	273,117	301,260	331,724
Haldimand	3,607	3,959	4,359	4,780	5,225	5,789	6,326	6,906	7,594	8,395	9,289
Halton	311	339	372	409	447	494	540	591	650	719	794
Raw Water	190	198	206	214	222	231	241	250	260	271	276
Non-Metered	1,100	1,196	1,314	1,443	1,577	1,746	1,908	2,082	2,290	2,530	2,799
Private Fire Lines	1,800	1,957	2,150	2,361	2,581	2,857	3,122	3,407	3,747	4,141	4,580
Hauler / 3rd Party Sales	1,893	1,969	2,047	2,129	2,214	2,303	2,395	2,491	2,590	2,694	2,748
Overstrength Agreements	3,439	3,508	3,578	3,650	3,723	3,797	3,873	3,950	4,029	4,110	4,192
Sewer Surcharge Agreements	7,005	7,145	7,288	7,434	7,583	7,734	7,889	8,047	8,208	8,372	8,539
Non-Rate Revenue	3,031	7,674	7,769	7,869	3,423	3,531	3,643	3,760	3,881	4,007	4,139
TOTAL REVENUES	272,447	303,339	332,744	365,140	396,019	435,459	478,433	525,860	577,967	636,577	700,762
NET EXPENDITURES											
	-	-	-	-	-	-	-	-	-	-	-
Rate Increase	6.49%	10.04%	9.95%	10.04%	10.06%	10.07%	9.92%	10.06%	9.99%	9.99%	10.02%
RESIDENTIAL BILL (200m³ p.a.)	\$ 877.30	\$ 965.40	\$ 1,061.50	\$ 1,168.05	\$ 1,285.50	\$ 1,415.00	\$ 1,555.35	\$ 1,711.80	\$ 1,882.75	\$ 2,070.85	\$ 2,278.30

CITY OF HAMILTON
2024 HAMILTON WATER OPERATING BUDGET
WATER

	2023 RESTATE D BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATE D BUDGET		CHANGE 2024 REQUESTED / 2023 RESTATE D BUDGET	
	\$	\$	\$	\$	%	\$	%
<u>OPERATING EXPENDITURES:</u>							
Divisional Administration & Support	5,622,683	7,084,551	5,844,810	(1,461,868)	(26.0%)	222,127	4.0%
Woodward Upgrades	941,124	941,124	893,542	-	0.0%	(47,581)	(5.1%)
Customer Service & Community Outreach	3,504,498	4,554,524	6,652,539	(1,050,026)	(30.0%)	3,148,041	89.8%
Compliance & Regulations	1,809,298	1,783,726	4,671,485	25,572	1.4%	2,862,187	158.2%
Water Distribution & Wastewater Collection	15,394,056	15,394,056	17,456,779	-	0.0%	2,062,722	13.4%
Plant Operations	17,284,297	17,764,241	16,504,997	(479,945)	(2.8%)	(779,300)	(4.5%)
Plant Maintenance	6,281,547	6,281,547	6,809,278	-	0.0%	527,731	8.4%
Capital Planning & Delivery	2,388,032	2,388,032	2,657,437	-	0.0%	269,405	11.3%
Watershed Management	-	-	-	-	0.0%	-	0.0%
Wastewater Abatement Program	-	-	-	-	0.0%	-	0.0%
Alectra Utilities Service Contract	3,005,099	3,005,099	3,125,303	-	0.0%	120,204	4.0%
Low Income Seniors Utility Rebate	250,164	250,164	250,029	-	0.0%	(135)	(0.1%)
Sewer Lateral Management Program	-	-	-	-	0.0%	-	0.0%
Hamilton Harbour Remedial Action Plan	-	-	-	-	0.0%	-	0.0%
Protective Plumbing Program (3P)	-	-	-	-	0.0%	-	0.0%
Financial Charges	-	-	11	-	0.0%	11	N/A
	56,480,798	59,447,065	64,866,210	(2,966,267)	(5.3%)	8,385,412	14.8%
Capital and Reserve Recoveries	(3,554,918)	(3,554,918)	(5,399,554)	-	0.0%	(1,844,636)	51.9%
Sub-Total	\$ 52,925,880	\$ 55,892,147	\$ 59,466,656	\$ (2,966,267)	(5.6%)	\$ 6,540,776	12.4%
<u>Capital and Reserve Impacts on Operating</u>							
<u>Contributions to Capital</u>							
Water Quality Initiatives	64,300,080	62,960,080	61,897,966	1,340,000	2.1%	(2,402,114)	(3.7%)
Sub-Total Contributions to Capital	64,300,080	62,960,080	61,897,966	1,340,000	2.1%	(2,402,114)	(3.7%)
<u>Contributions for DC Exemptions</u>							
Water Quality Initiatives	2,520,000	2,520,000	18,872,380	-	0.0%	16,352,380	648.9%
Sub-Total Contributions for DC Exemptions	2,520,000	2,520,000	18,872,380	-	0.0%	16,352,380	648.9%

CITY OF HAMILTON
2024 HAMILTON WATER OPERATING BUDGET
WATER

	2023	2023	2024	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2023 PROJECTED / 2023 RESTATED BUDGET	ACTUAL	2024 REQUESTED / 2023 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
Debt Charges							
Water Quality Initiatives	11,694,759	7,973,746	11,493,793	3,721,013	31.8%	(200,966)	(1.7%)
DC Debt Charges Recoveries	(2,180,517)	(139,925)	(1,627,988)	(2,040,592)	93.6%	552,529	(25.3%)
Sub-Total Debt Charges	9,514,242	7,833,821	9,865,806	1,680,421	17.7%	351,563	3.7%
Sub-Total Capital Financing	76,334,322	73,313,901	90,636,152	3,020,421	4.0%	14,301,829	18.7%
Reserve Transfers	5,395,092	5,484,246	(156,445)	(89,153)	(1.7%)	(5,551,538)	(102.9%)
Sub-Total Cap/Reserve Impacts on Operating	81,729,415	78,798,147	90,479,706	2,931,268	3.6%	8,750,291	10.7%
TOTAL EXPENDITURES	134,655,294	134,690,293	149,946,362	(34,999)	(0.0%)	15,291,068	11.4%
REVENUES:							
Rate Revenue							
Residential	60,418,624	60,418,624	66,662,091	-	0.0%	6,243,467	10.3%
Industrial/Commercial/Institutional/Multi-res	64,528,536	64,403,536	70,596,726	(125,000)	(0.2%)	6,068,190	9.4%
Haldimand	3,606,687	3,806,687	3,959,129	200,000	5.5%	352,441	9.8%
Halton	310,551	310,550	338,834	(1)	(0.0%)	28,283	9.1%
Raw Water	190,100	150,100	197,704	(40,000)	(21.0%)	7,604	4.0%
Non-Metered	550,000	550,000	597,850	-	0.0%	47,850	8.7%
Private Fire Lines	1,800,000	1,800,000	1,956,600	-	0.0%	156,600	8.7%
Hauler / 3rd Party Sales	946,400	946,400	984,256	-	0.0%	37,856	4.0%
Overstrength Agreements	-	-	-	-	0.0%	-	0.0%
Sewer Surcharge Agreements	-	-	-	-	0.0%	-	0.0%
Sub-Total Utility Rates	132,350,898	132,385,897	145,293,190	34,999	0.0%	12,942,292	9.8%
Non-Rate Revenue							
Local Improvement Recoveries	10,000	10,000	10,000	-	0.0%	-	0.0%
Permits / Leases / Agreements	921,566	921,566	958,429	-	0.0%	36,863	4.0%
Investment Income	450,000	450,000	450,000	-	0.0%	-	0.0%
General Fees and Recoveries	922,830	922,830	959,743	-	0.0%	36,913	4.0%
Building Faster Fund	-	-	2,275,000	-	0.0%	2,275,000	N/A
Sub-Total Non-Rate Revenue	2,304,396	2,304,396	4,653,172	-	0.0%	2,348,776	101.9%
TOTAL REVENUES	134,655,294	134,690,293	149,946,362	34,999	0.0%	15,291,068	11.4%
NET EXPENDITURES	-	-	-	-	0.0%	-	0.0%

CITY OF HAMILTON
2024 - 2027 HAMILTON WATER OPERATING BUDGET
WATER

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
<u>OPERATING EXPENDITURES:</u>											
Divisional Administration & Support	5,622,683	5,844,810	6,078,602	6,321,746	6,574,616	222,127	4.0%	233,792	4.0%	243,144	4.0%
Woodward Upgrades	941,124	893,542	929,284	966,455	1,005,114	(47,581)	(5.1%)	35,742	4.0%	37,171	4.0%
Customer Service & Community Outreach	3,504,498	6,652,539	2,284,704	2,376,092	2,471,136	3,148,041	89.8%	(4,367,835)	(65.7%)	91,388	4.0%
Compliance & Regulations	1,809,298	4,671,485	4,858,344	5,052,678	5,254,785	2,862,187	158.2%	186,859	4.0%	194,334	4.0%
Water Distribution & Wastewater Collection	15,394,056	17,456,779	18,155,050	18,881,252	19,636,502	2,062,722	13.4%	698,271	4.0%	726,202	4.0%
Plant Operations	17,284,297	16,504,997	17,165,197	17,851,805	18,565,877	(779,300)	(4.5%)	660,200	4.0%	686,608	4.0%
Plant Maintenance	6,281,547	6,809,278	7,081,650	7,364,915	7,659,512	527,731	8.4%	272,371	4.0%	283,266	4.0%
Capital Planning & Delivery	2,388,032	2,657,437	2,763,734	2,874,284	2,989,255	269,405	11.3%	106,297	4.0%	110,549	4.0%
Watershed Management	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Wastewater Abatement Program	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Alectra Utilities Service Contract	3,005,099	3,125,303	3,250,315	3,380,328	3,515,541	120,204	4.0%	125,012	4.0%	130,013	4.0%
Low Income Seniors Utility Rebate	250,164	250,029	260,030	270,432	281,249	(135)	(0.1%)	10,001	4.0%	10,401	4.0%
Sewer Lateral Management Program	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Hamilton Harbour Remedial Action Plan	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Protective Plumbing Program (3P)	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Financial Charges	-	11	11	12	12	11	N/A	-	0.0%	-	0.0%
	56,480,798	64,866,210	62,826,921	65,339,998	67,953,598	8,385,412	14.8%	(2,039,289)	(3.1%)	2,513,076	4.0%
Capital and Reserve Recoveries	(3,554,918)	(5,399,554)	(5,615,536)	(5,840,157)	(6,073,764)	(1,844,636)	51.9%	(215,982)	4.0%	(224,621)	4.0%
Sub-Total	52,925,880	59,466,656	57,211,385	59,499,841	61,879,834	6,540,776	12.4%	(2,255,271)	(3.8%)	2,288,455	4.0%
<u>Capital and Reserve Impacts on Operating</u>											
<u>Contributions to Capital</u>											
Water Quality Initiatives	64,300,080	61,897,966	74,734,174	90,291,402	74,544,759	(2,402,114)	(3.7%)	12,836,208	20.7%	15,557,229	20.8%
Sub-Total Contributions to Capital	64,300,080	61,897,966	74,734,174	90,291,402	74,544,759	(2,402,114)	(3.7%)	12,836,208	20.7%	15,557,229	20.8%
<u>Contributions for DC Exemptions</u>											
Water Quality Initiatives	2,520,000	18,872,380	19,355,513	19,851,014	20,359,200	16,352,380	648.9%	483,133	2.6%	495,501	2.6%
Sub-Total Contributions for DC Exemptions	2,520,000	18,872,380	19,355,513	19,851,014	20,359,200	16,352,380	648.9%	483,133	2.6%	495,501	2.6%
<u>Capital Debt Charges</u>											
Water Quality Initiatives	11,694,759	11,493,793	19,910,695	30,516,445	42,004,100	(200,966)	(1.7%)	8,416,902	73.2%	10,605,750	53.3%
DC Debt Charges Recoveries	(2,180,517)	(1,627,988)	(5,024,994)	(9,108,556)	(13,365,911)	552,529	(25.3%)	(3,397,006)	208.7%	(4,083,562)	81.3%
Sub-Total Debt Charges	9,514,242	9,865,806	14,885,702	21,407,889	28,638,189	351,563	3.7%	5,019,896	50.9%	6,522,188	43.8%
Sub-Total Capital Financing	76,334,322	90,636,152	108,975,389	131,550,306	123,542,147	14,301,829	18.7%	18,339,237	20.2%	22,574,917	20.7%
Reserve Transfers	5,395,092	(156,445)	(1,431,258)	(10,246,586)	10,423,812	(5,551,538)	(102.9%)	(1,274,813)	814.9%	(8,815,328)	615.9%
Sub-Total Capital and Reserve Impacts on Operating	81,729,415	90,479,706	107,544,131	121,303,720	133,965,959	8,750,291	10.7%	17,064,425	18.9%	13,759,589	12.8%
TOTAL EXPENDITURES	134,655,294	149,946,362	164,755,516	180,803,560	195,845,793	15,291,068	11.4%	14,809,154	9.9%	16,048,044	9.7%

**CITY OF HAMILTON
2024 - 2027 HAMILTON WATER OPERATING BUDGET
WATER**

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	2023 RESTATED BUDGET	2024 REQUESTED BUDGET	2025 PROJECTED BUDGET	2026 PROJECTED BUDGET	2027 PROJECTED BUDGET	CHANGE 2024 REQUESTED / 2023 RESTATED BUDGET	CHANGE 2025 PROJECTED / 2024 REQUESTED BUDGET	CHANGE 2026 PROJECTED / 2025 PROJECTED BUDGET			
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:											
Rate Revenue											
Residential	60,418,624	66,662,091	73,641,087	81,246,416	89,577,263	6,243,467	10.3%	6,978,996	10.5%	7,605,328	10.3%
Industrial/Commercial/Institutional/Multi-res	64,528,536	70,596,726	77,617,183	85,198,200	93,279,547	6,068,190	9.4%	7,020,456	9.9%	7,581,017	9.8%
Haldimand	3,606,687	3,959,129	4,358,868	4,779,595	5,225,311	352,441	9.8%	399,740	10.1%	420,726	9.7%
Halton	310,551	338,834	371,900	408,787	447,316	28,283	9.1%	33,066	9.8%	36,887	9.9%
Raw Water	190,100	197,704	205,612	213,837	222,390	7,604	4.0%	7,908	4.0%	8,224	4.0%
Non-Metered	550,000	597,850	657,037	721,427	788,519	47,850	8.7%	59,187	9.9%	64,390	9.8%
Private Fire Lines	1,800,000	1,956,600	2,150,303	2,361,033	2,580,609	156,600	8.7%	193,703	9.9%	210,730	9.8%
Hauler / 3rd Party Sales	946,400	984,256	1,023,626	1,064,571	1,107,154	37,856	4.0%	39,370	4.0%	40,945	4.0%
Sub-Total Utility Rates	132,350,898	145,293,190	160,025,617	175,993,865	193,228,111	12,942,292	9.8%	14,732,427	10.1%	15,968,248	10.0%
Non-Rate Revenue											
Local Improvement Recoveries	10,000	10,000	10,000	10,000	10,000	-	0.0%	-	0.0%	-	0.0%
Permits / Leases / Agreements	921,566	958,429	996,766	1,036,637	1,078,102	36,863	4.0%	38,337	4.0%	39,871	4.0%
Investment Income	450,000	450,000	450,000	450,000	450,000	-	0.0%	-	0.0%	-	0.0%
General Fees and Recoveries	922,830	959,743	998,133	1,038,058	1,079,580	36,913	4.0%	38,390	4.0%	39,925	4.0%
Building Faster Fund	-	2,275,000	2,275,000.0	2,275,000.0	-	2,275,000	N/A	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	2,304,396	4,653,172	4,729,899	4,809,695	2,617,683	2,348,776	101.9%	76,727	1.6%	79,796	1.7%
TOTAL REVENUES	134,655,294	149,946,362	164,755,516	180,803,560	195,845,793	15,291,068	11.4%	14,809,154	9.9%	16,048,044	9.7%
NET EXPENDITURES	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%

**CITY OF HAMILTON
2024-2033 HAMILTON WATER OPERATING BUDGET
WATER
(000s)**

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	2023 Restated	2024 Requested	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	52,926	59,467	57,211	59,500	61,880	64,355	66,929	69,606	72,391	75,286	78,298
TOTAL OPERATING COSTS	52,926	59,467	57,211	59,500	61,880	64,355	66,929	69,606	72,391	75,286	78,298
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Water	64,300	61,898	74,734	90,291	74,545	66,849	72,869	101,775	109,835	134,069	83,443
Sub-total Contributions to Capital	64,300	61,898	74,734	90,291	74,545	66,849	72,869	101,775	109,835	134,069	83,443
Contributions for DC Exemptions											
Water	2,520	18,872	19,356	19,851	20,359	20,880	21,415	21,963	22,525	23,102	23,693
Sub-total Contributions to Capital	2,520	18,872	19,356	19,851	20,359	20,880	21,415	21,963	22,525	23,102	23,693
Debt Charges											
Water	11,695	11,494	19,911	30,516	42,004	52,413	60,974	64,999	67,608	68,601	72,998
DC Debt Charges Recoveries	(2,181)	(1,628)	(5,025)	(9,109)	(13,366)	(15,913)	(16,682)	(16,995)	(17,251)	(18,791)	(23,103)
Sub-total Debt Charges	9,514	9,866	14,886	21,408	28,638	36,500	44,292	48,004	50,357	49,810	49,895
	107.91%	103.70%	150.88%	143.82%	1.338	127.45%	121.35%	108.38%	104.90%	98.91%	100.17%
Reserve Transfers	5,395	(156)	(1,431)	(10,247)	10,424	27,722	31,519	18,475	32,059	34,847	115,090
Sub-Total Capital & Reserve Impacts on Operating	81,729	90,480	107,544	121,304	133,966	151,951	170,095	190,217	214,777	241,827	272,121
TOTAL EXPENDITURES	134,655	149,946	164,756	180,804	195,846	216,306	237,025	259,823	287,168	317,113	350,419
REVENUES											
Residential	60,419	66,662	73,641	81,246	89,577	99,146	109,076	120,230	133,607	147,904	163,796
Industrial/Commercial/Institutional/Multi-res	64,529	70,597	77,617	85,198	93,280	103,060	112,774	123,266	135,885	149,987	165,721
Haldimand	3,607	3,959	4,359	4,780	5,225	5,789	6,326	6,906	7,594	8,395	9,289
Halton	311	339	372	409	447	494	540	591	650	719	794
Raw Water	190	198	206	214	222	231	241	250	260	271	276
Non-Metered	550	598	657	721	789	873	954	1,041	1,145	1,265	1,399
Private Fire Lines	1,800	1,957	2,150	2,361	2,581	2,857	3,122	3,407	3,747	4,141	4,580
Hauler / 3rd Party Sales	946	984	1,024	1,065	1,107	1,151	1,197	1,245	1,295	1,347	1,374
Non-Rate Revenue	2,304	4,653	4,730	4,810	2,618	2,704	2,794	2,887	2,984	3,085	3,190
TOTAL REVENUES	134,655	149,946	164,756	180,804	195,846	216,306	237,025	259,823	287,168	317,113	350,419
NET EXPENDITURES											
	-	-	-	-	-	-	-	-	-	-	-
Rate Increase	8.4%	9.9%	9.9%	9.8%	9.7%	10.2%	9.5%	9.7%	10.6%	10.2%	10.3%
RESIDENTIAL BILL (200m³ p.a.)	\$ 431.35	\$ 474.00	\$ 521.05	\$ 572.10	\$ 627.60	\$ 691.50	\$ 757.05	\$ 830.25	\$ 917.95	\$ 1,011.60	\$ 1,115.30

CITY OF HAMILTON
2024 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM

	2023 RESTATE D BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATE D BUDGET		CHANGE 2024 REQUESTED / 2024 RESTATE D BUDGET	
	\$	\$	\$	\$	%	\$	%
<u>OPERATING EXPENDITURES:</u>							
Divisional Administration & Support	5,875,630	7,403,264	6,066,853	(1,527,633)	(26.0%)	191,223	3.3%
Woodward Upgrades	1,012,305	1,012,305	968,779	-	0.0%	(43,526)	(4.3%)
Customer Service & Community Outreach	3,419,287	4,443,782	5,305,007	(1,024,495)	(30.0%)	1,885,720	55.1%
Compliance & Regulations	6,034,167	5,948,884	4,364,513	85,284	1.4%	(1,669,654)	(27.7%)
Water Distribution & Wastewater Collection	8,845,370	8,845,370	7,992,917	-	0.0%	(852,453)	(9.6%)
Plant Operations	18,582,175	19,098,158	23,498,973	(515,984)	(2.8%)	4,916,798	26.5%
Plant Maintenance	6,281,547	6,281,547	6,809,278	-	0.0%	527,731	8.4%
Capital Planning & Delivery	2,918,705	2,918,705	3,247,978	-	0.0%	329,273	11.3%
Watershed Management	1,642,718	1,642,718	1,863,619	-	0.0%	220,901	13.4%
Wastewater Abatement Program	1,142,465	1,142,465	1,141,839	-	0.0%	(626)	(0.1%)
Alectra Utilities Service Contract	3,005,099	3,005,099	3,125,303	-	0.0%	120,204	4.0%
Low Income Seniors Utility Rebate	250,164	250,164	250,032	-	0.0%	(132)	(0.1%)
Sewer Lateral Management Program	325,000	325,000	300,000	-	0.0%	(25,000)	(7.7%)
Hamilton Harbour Remedial Action Plan	604,011	604,011	679,084	-	0.0%	75,073	12.4%
Protective Plumbing Program (3P)	752,938	752,938	750,016	-	0.0%	(2,921)	(0.4%)
Financial Charges	86,118	86,118	84,472	-	0.0%	(1,647)	(1.9%)
	60,777,701	63,760,528	66,448,665	(2,982,828)	(4.9%)	5,670,964	9.3%
Capital and Reserve Recoveries	(5,191,262)	(5,191,262)	(4,802,196)	-	0.0%	389,066	(7.5%)
Sub-Total	55,586,439	58,569,266	61,646,469	(2,982,828)	(5.4%)	6,060,030	10.9%
<u>Capital and Reserve Impacts on Operating</u>							
<u>Contributions to Capital</u>							
Wastewater	54,231,042	54,901,042	53,114,298	(670,000)	(1.2%)	(1,116,744)	(2.1%)
Stormwater	14,822,000	15,492,000	19,858,000	(670,000)	(4.5%)	5,036,000	34.0%
Sub-Total Contributions to Capital	69,053,042	70,393,042	72,972,298	(1,340,000)	(1.9%)	3,919,256	5.7%
<u>Contributions for DC Exemptions</u>							
Wastewater	4,590,000	4,590,000	11,323,428	-	0.0%	6,733,428	146.7%
Stormwater	1,890,000	1,890,000	7,548,952	-	0.0%	5,658,952	299.4%
Sub-Total Contributions for DC Exemptions	6,480,000	6,480,000	18,872,380	-	0.0%	12,392,380	191.2%

CITY OF HAMILTON
2024 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM

	2023 RESTATE D BUDGET	2023 PROJECTED ACTUAL	2024 REQUESTED BUDGET	CHANGE 2023 PROJECTED ACTUAL / 2023 RESTATE D BUDGET		CHANGE 2024 REQUESTED / 2024 RESTATE D BUDGET	
	\$	\$	\$	\$	%	\$	%
<u>Debt Charges</u>							
Wastewater	13,229,466	7,728,980	12,870,675	5,500,486	41.6%	(358,791)	(2.7%)
Stormwater	3,780,708	2,921,146	4,171,929	859,562	22.7%	391,221	10.3%
DC Debt Charges Recoveries	(4,943,110)	(317,202)	(4,297,619)	(4,625,908)	93.6%	645,491	(13.1%)
Sub-Total Debt Charges	12,067,064	10,332,924	12,744,985	1,734,140	14.4%	677,921	5.6%
Reserve Transfers	(5,395,094)	(8,108,782)	(12,843,555)	2,713,688	(50.3%)	(7,448,461)	138.1%
Sub-Total Capital and Reserve Impacts on Operating	82,205,012	79,097,183	91,746,108	3,107,829	3.8%	9,541,096	11.6%
TOTAL EXPENDITURES	137,791,451	137,666,450	153,392,577	125,001	0.1%	15,601,126	11.3%
<u>REVENUES:</u>							
<u>Rate Revenue</u>							
Residential	61,317,615	61,317,615	67,862,703	-	0.0%	6,545,088	10.7%
Industrial/Commercial/Institutional/Multi-res	63,806,066	63,681,066	70,274,065	(125,000)	(0.2%)	6,468,000	10.1%
Non-Metered	550,000	550,000	597,850	-	0.0%	47,850	8.7%
Hauler / 3rd Party Sales	946,400	946,400	984,256	-	0.0%	37,856	4.0%
Overstrength Agreements	3,439,098	3,439,098	3,507,880	(0.31)	(0.0%)	68,782	2.0%
Sewer Surcharge Agreements	7,005,322	7,005,322	7,145,429	(0.30)	(0.0%)	140,106	2.0%
Sub-Total Utility Rates	137,064,502	136,939,501	150,372,184	(125,001)	(0.1%)	13,307,682	9.7%
<u>Non-Rate Revenue</u>							
Local Improvement Recoveries	265,850	265,850	265,850	-	0.0%	-	0.0%
Permits / Leases / Agreements	230,392	230,392	239,607	-	0.0%	9,216	4.0%
Investment Income	-	-	-	-	0.0%	-	0.0%
General Fees and Recoveries	230,707	230,707	239,936	-	0.0%	9,228	4.0%
Building Faster Fund	-	-	2,275,000	-	0.0%	2,275,000	N/A
Sub-Total Non-Rate Revenue	726,949	726,949	3,020,393	-	0.0%	2,293,444	315.5%
TOTAL REVENUES	137,791,451	137,666,450	153,392,577	(125,001)	(0.1%)	15,601,126	11.3%
NET EXPENDITURES	-	-	-	-	0.0%	-	0.0%

CITY OF HAMILTON
2024 - 2027 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:											
Divisional Administration & Support	5,875,630	6,066,853	6,309,527	6,561,909	6,824,385	191,223	3.3%	242,674	4.0%	252,381	4.0%
Woodward Upgrades	1,012,305	968,779	1,007,530	1,047,831	1,089,744	(43,526)	(4.3%)	38,751	4.0%	40,301	4.0%
Customer Service & Community Outreach	3,419,287	5,305,007	5,517,208	5,737,896	5,967,412	1,885,720	55.1%	212,200	4.0%	220,688	4.0%
Compliance & Regulations	6,034,167	4,364,513	4,575,742	4,758,771	4,949,122	(1,669,654)	(27.7%)	211,228	4.8%	183,030	4.0%
Water Distribution & Wastewater Collection	8,845,370	7,992,917	8,312,634	8,645,139	8,990,944	(852,453)	(9.6%)	319,717	4.0%	332,505	4.0%
Plant Operations	18,582,175	23,498,973	24,438,932	25,416,489	26,433,149	4,916,798	26.5%	939,959	4.0%	977,557	4.0%
Plant Maintenance	6,281,547	6,809,278	7,081,650	7,364,915	7,659,512	527,731	8.4%	272,371	4.0%	283,266	4.0%
Capital Planning & Delivery	2,918,705	3,247,978	3,457,699	3,596,007	3,739,848	329,273	11.3%	209,721	6.5%	138,308	4.0%
Watershed Management	1,642,718	1,863,619	1,984,380	2,063,756	2,146,306	220,901	13.4%	120,762	6.5%	79,375	4.0%
Wastewater Abatement Program	1,142,465	1,141,839	1,187,513	1,235,013	1,284,414	(626)	(0.1%)	45,674	4.0%	47,501	4.0%
Alectra Utilities Service Contract	3,005,099	3,125,303	3,250,315	3,380,328	3,515,541	120,204	4.0%	125,012	4.0%	130,013	4.0%
Low Income Seniors Utility Rebate	250,164	250,032	260,033	270,435	281,252	(132)	(0.1%)	10,001	4.0%	10,401	4.0%
Sewer Lateral Management Program	325,000	300,000	312,000	324,480	337,459	(25,000)	(7.7%)	12,000	4.0%	12,480	4.0%
Hamilton Harbour Remedial Action Plan	604,011	679,084	706,247	734,497	763,877	75,073	12.4%	27,163	4.0%	28,250	4.0%
Protective Plumbing Program (3P)	752,938	750,016	780,017	811,217	843,666	(2,921)	(0.4%)	30,001	4.0%	31,201	4.0%
Financial Charges	86,118	84,472	87,851	91,365	95,019	(1,647)	(1.9%)	3,379	4.0%	3,514	4.0%
	60,777,701	66,448,665	69,269,278	72,040,049	74,921,651	5,670,964	9.3%	2,820,613	4.2%	2,770,771	4.0%
Capital and Reserve Recoveries	(5,191,262)	(4,802,196)	(4,994,283)	(5,194,055)	(5,401,817)	389,066	(7.5%)	(192,088)	4.0%	(199,771)	4.0%
Sub-Total	55,586,439	61,646,469	64,274,994	66,845,994	69,519,834	6,060,030	10.9%	2,628,525	4.3%	2,571,000	4.0%
Capital and Reserve Impacts on Operating											
Contributions to Capital											
Wastewater	54,231,042	53,114,298	43,021,500	42,036,710	43,021,444	(1,116,744)	(2.1%)	(10,092,798)	(19.0%)	(984,790)	(2.3%)
Stormwater	14,822,000	19,858,000	28,015,000	20,246,000	42,465,000	5,036,000	34.0%	8,157,000	41.1%	(7,769,000)	(27.7%)
Sub-Total Contributions to Capital	69,053,042	72,972,298	71,036,500	62,282,710	85,486,444	3,919,256	5.7%	(1,935,798)	(2.7%)	(8,753,790)	(12.3%)
Wastewater	4,590,000	11,323,428	11,613,308	11,910,608	12,215,520	6,733,428	146.7%	289,880	2.6%	297,301	2.6%
Stormwater	1,890,000	7,548,952	7,742,205	7,940,406	8,143,680	5,658,952	299.4%	193,253	2.6%	198,200	2.6%
Sub-Total Contributions for DC Exemptions	6,480,000	18,872,380	19,355,513	19,851,014	20,359,200	12,392,380	191.2%	483,133	2.6%	495,501	2.6%
Capital Debt Charges											
Wastewater	13,229,466	12,870,675	23,886,904	37,111,817	54,775,965	(358,791)	(2.7%)	11,016,229	85.6%	13,224,912	55.4%
Stormwater	3,780,708	4,171,929	6,892,549	9,132,436	10,719,804	391,221	10.3%	2,720,620	65.2%	2,239,887	32.5%
DC Debt Charges Recoveries	(4,943,110)	(4,297,619)	(11,739,233)	(19,834,101)	(30,263,995)	645,491	(13.1%)	(7,441,614)	173.2%	(8,094,868)	69.0%
Sub-Total Debt Charges	12,067,064	12,744,985	19,040,220	26,410,152	35,231,774	677,921	5.6%	6,295,235	49.4%	7,369,932	38.7%
Sub-Total Capital Financing	87,600,106	104,589,663	109,432,233	108,543,876	141,077,418	16,989,557	19.4%	4,842,570	4.6%	(888,357)	(0.8%)
Reserve Transfers	(5,395,094)	(12,843,555)	(5,718,743)	8,946,585	(10,423,814)	(7,448,461)	138.1%	7,124,813	(55.5%)	14,665,327	(256.4%)
Sub-Total Capital and Reserve Impacts on Operating	82,205,012	91,746,108	103,713,491	117,490,461	130,653,605	9,541,096	11.6%	11,967,383	13.0%	13,776,970	13.3%
TOTAL EXPENDITURES	137,791,451	153,392,577	167,988,485	184,336,455	200,173,438	15,601,126	11.3%	14,595,908	9.5%	16,347,970	9.7%

CITY OF HAMILTON
2024 - 2027 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM

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	2023 RESTATE D BUDGET	2024 REQUESTED BUDGET	2025 PROJECTED BUDGET	2026 PROJECTED BUDGET	2027 PROJECTED BUDGET	CHANGE 2024 REQUESTED / 2023 RESTATE D BUDGET		CHANGE 2025 PROJECTED / 2024 REQUESTED BUDGET		CHANGE 2026 PROJECTED / 2025 PROJECTED BUDGET	
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:											
Rate Revenue											
Residential	61,317,615	67,862,703	75,001,238	83,121,251	92,237,016	6,545,088	10.7%	7,138,535	10.5%	8,120,014	10.8%
Industrial/Commercial/Institutional/Multi-res	63,806,066	70,274,065	77,400,633	85,285,979	93,930,101	6,468,000	10.1%	7,126,568	10.1%	7,885,345	10.2%
Non-Metered	550,000	597,850	657,037	721,427	788,519	47,850	8.7%	59,187	9.9%	64,390	9.8%
Hauler / 3rd Party Sales	946,400	984,256	1,023,626	1,064,571	1,107,154	37,856	4.0%	39,370	4.0%	40,945	4.0%
Overstrength Agreements	3,439,098	3,507,880	3,578,038	3,649,599	3,722,591	68,782	2.0%	70,158	2.0%	71,561	2.0%
Sewer Surcharge Agreements	7,005,322	7,145,429	7,288,337	7,434,104	7,582,786	140,106	2.0%	142,909	2.0%	145,767	2.0%
Sub-Total Utility Rates	137,064,502	150,372,184	164,948,910	181,276,931	199,368,168	13,307,682	9.7%	14,576,726	9.7%	16,328,021	9.9%
Non-Rate Revenue											
Local Improvement Recoveries	265,850	265,850	265,850	265,850	265,850	-	0.0%	-	0.0%	-	0.0%
Permits / Leases / Agreements	230,392	239,607	249,192	259,159	269,526	9,216	4.0%	9,584	4.0%	9,968	4.0%
Investment Income	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
General Fees and Recoveries	230,707	239,936	249,533	259,514	269,895	9,228	4.0%	9,597	4.0%	9,981	4.0%
Building Faster Fund	-	2,275,000	2,275,000	2,275,000	-	2,275,000	N/A	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	726,949	3,020,393	3,039,575	3,059,524	805,271	2,293,444	315.5%	19,182	0.6%	19,949	0.7%
TOTAL REVENUES	137,791,451	153,392,577	167,988,485	184,336,455	200,173,438	15,601,126	11.3%	14,595,908	9.5%	16,347,970	9.7%
NET EXPENDITURES	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%

CITY OF HAMILTON
2024-2033 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM
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	2023 Restated	2024 Requested	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast	2033 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	55,586	61,646	64,275	66,846	69,520	72,301	75,193	78,200	81,328	84,582	87,965
TOTAL OPERATING COSTS	55,586	61,646	64,275	66,846	69,520	72,301	75,193	78,200	81,328	84,582	87,965
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Wastewater	54,231	53,114	43,022	42,037	43,021	63,918	79,611	85,282	89,256	114,341	162,507
Stormwater	14,822	19,858	28,015	20,246	42,465	46,265	45,559	43,882	71,935	76,233	129,568
Sub-total Contributions to Capital	69,053	72,972	71,037	62,283	85,486	110,183	125,170	129,165	161,190	190,574	292,074
Contributions for DC Exemptions											
Wastewater	4,590	11,323	11,613	11,911	12,216	12,528	12,849	13,178	13,515	13,861	14,216
Stormwater	1,890	7,549	7,742	7,940	8,144	8,352	8,566	8,785	9,010	9,241	9,477
Sub-total Contributions to Capital	6,480	18,872	19,356	19,851	20,359	20,880	21,415	21,963	22,525	23,102	23,693
Debt Charges											
Wastewater	13,229	12,871	23,887	37,112	54,776	70,919	84,575	93,282	97,385	96,075	96,134
Stormwater	3,781	4,172	6,893	9,132	10,720	11,861	12,180	12,090	12,030	11,534	11,483
DC Debt Charges Recoveries	(4,943)	(4,298)	(11,739)	(19,834)	(30,264)	(39,270)	(45,604)	(50,188)	(51,601)	(51,557)	(51,549)
Sub-total Debt Charges	12,067	12,745	19,040	26,410	35,232	43,510	51,151	55,184	57,814	56,052	56,068
	107.91%	105.62%	149.39%	138.71%	133.40%	123.50%	117.56%	107.89%	104.77%	96.95%	100.03%
Reserve Transfers	(5,395)	(12,844)	(5,719)	8,947	(10,424)	(27,722)	(31,519)	(18,475)	(32,059)	(34,847)	(109,457)
Sub-Total Capital & Reserve Impacts on Operating	82,205	91,746	103,713	117,490	130,654	146,852	166,216	187,837	209,471	234,882	262,379
TOTAL EXPENDITURES	137,791	153,393	167,988	184,336	200,173	219,153	241,409	266,037	290,799	319,463	350,344
REVENUES											
Residential	61,318	67,863	75,001	83,121	92,237	101,984	113,070	125,474	137,993	152,173	167,887
Industrial/Commercial/Institutional/Multi-res	63,806	70,274	77,401	85,286	93,930	102,786	113,576	125,407	137,232	151,274	166,004
Non-Metered	550	598	657	721	789	873	954	1,041	1,145	1,265	1,399
Hauler / 3rd Party Sales	946	984	1,024	1,065	1,107	1,151	1,197	1,245	1,295	1,347	1,374
Overstrength Agreements	3,439	3,508	3,578	3,650	3,723	3,797	3,873	3,950	4,029	4,110	4,192
Sewer Surcharge Agreements	7,005	7,145	7,288	7,434	7,583	7,734	7,889	8,047	8,208	8,372	8,539
Non-Rate Revenue	727	3,020	3,040	3,060	805	827	849	873	897	922	948
TOTAL REVENUES	137,791	153,393	167,988	184,336	200,173	219,153	241,409	266,037	290,799	319,463	350,344
NET EXPENDITURES	-	-	-	-	-	-	-	-	-	-	-
Rate Increase	4.3%	4.7%	10.2%	10.0%	10.3%	10.4%	10.0%	10.3%	10.4%	9.4%	9.8%
RESIDENTIAL BILL (200m³ p.a.)	\$ 425.80	\$ 445.95	\$ 491.40	\$ 540.45	\$ 595.95	\$ 657.90	\$ 723.50	\$ 798.30	\$ 881.55	\$ 964.80	\$ 1,059.25

CITY OF HAMILTON
2024 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
WASTEWATER

	2023	2023	2024	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2023 PROJECTED / 2023 RESTATED BUDGET	ACTUAL	2024 REQUESTED / 2023 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
<u>OPERATING EXPENDITURES:</u>							
<u>Environmental Services</u>							
Divisional Administration & Support	5,199,194	6,550,957	5,322,167	(1,351,763)	(26.0%)	122,973	2.4%
Woodward Upgrades	941,124	941,124	893,542	-	0.0%	(47,581)	(5.1%)
Customer Service & Community Outreach	2,300,852	2,990,239	3,418,219	(689,387)	(30.0%)	1,117,367	48.6%
Compliance & Regulations	5,749,618	5,668,356	3,286,984	81,262	1.4%	(2,462,634)	(42.8%)
Water Distribution & Wastewater Collection	4,996,104	4,996,104	4,364,265	-	0.0%	(631,839)	(12.6%)
Plant Operations	18,443,754	18,955,894	23,435,339	(512,140)	(2.8%)	4,991,585	27.1%
Plant Maintenance	5,527,762	5,527,762	5,992,165	-	0.0%	464,403	8.4%
Capital Planning & Delivery	2,388,032	2,388,032	2,657,437	-	0.0%	269,405	11.3%
Watershed Management	-	-	-	-	0.0%	-	0.0%
Wastewater Abatement Program	1,142,465	1,142,465	1,141,839	-	0.0%	(626)	(.1%)
Alectra Utilities Service Contract	3,005,099	3,005,099	3,125,303	-	0.0%	120,204	4.0%
Low Income Seniors Utility Rebate	250,164	250,164	250,032	-	0.0%	(132)	(.1%)
Sewer Lateral Management Program	325,000	325,000	300,000	-	0.0%	(25,000)	(7.7%)
Hamilton Harbour Remedial Action Plan	-	-	-	-	0.0%	-	0.0%
Protective Plumbing Program (3P)	-	-	-	-	0.0%	-	0.0%
Financial Charges	86,118	86,118	84,440	-	0.0%	(1,679)	(1.9%)
	50,355,285	52,827,313	54,271,733	(2,472,028)	(4.9%)	3,916,448	7.8%
Capital and Reserve Recoveries	(3,554,918)	(3,554,918)	(3,796,191)	-	0.0%	(241,273)	6.8%
Sub-Total Environmental Services	46,800,367	49,272,395	50,475,542	(2,472,028)	(5.3%)	3,675,175	7.9%
<u>Capital and Reserve Impacts on Operating</u>							
<u>Contributions to Capital</u>							
Wastewater	54,231,042	54,901,042	53,114,298	(670,000)	(1.2%)	(1,116,744)	(2.1%)
Sub-Total Contributions to Capital	54,231,042	54,901,042	53,114,298	(670,000)	(1.2%)	(1,116,744)	(2.1%)
<u>Contributions for DC Exemptions</u>							
Wastewater	4,590,000	4,590,000	11,323,428	-	0.0%	6,733,428	146.7%
Sub-Total Contributions for DC Exemptions	4,590,000	4,590,000	11,323,428	-	0.0%	6,733,428	146.7%
<u>Capital Debt Charges</u>							
Wastewater	13,229,466	7,728,980	12,870,675	5,500,486	41.6%	(358,791)	(2.7%)
DC Debt Charges Recoveries	(3,945,399)	(253,178)	(3,128,520)	(3,692,221)	93.6%	816,879	(20.7%)
Sub-Total Debt Charges	9,284,067	7,475,802	9,742,155	1,808,265	19.5%	458,089	4.9%
Sub-Total Capital Financing	68,105,109	66,966,844	74,179,881	1,138,265	1.7%	6,074,773	8.9%

CITY OF HAMILTON
2024 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
WASTEWATER

	2023	2023	2024	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2023 PROJECTED / 2023 RESTATED BUDGET	ACTUAL	2024 REQUESTED / 2023 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
Reserve Transfers	22,885,975	21,427,211	27,827,154	1,458,763	6.4%	4,941,179	21.6%
Sub-Total Cap\Reserve Impacts on Operating	90,991,083	88,394,055	102,007,035	2,597,028	2.9%	11,015,952	12.1%
TOTAL EXPENDITURES	137,791,451	137,666,450	152,482,577	125,001	0.1%	14,691,126	10.7%
REVENUES:							
Rate Revenue							
Residential	61,317,615	61,317,615	67,862,703	-	0.0%	6,545,088	10.7%
Industrial/Commercial/Institutional/Multi-res	63,806,066	63,681,066	70,274,065	(125,000)	(0.2%)	6,468,000	10.1%
Non-Metered	550,000	550,000	597,850	-	0.0%	47,850	8.7%
Hauler / 3rd Party Sales	946,400	946,400	984,256	-	0.0%	37,856	4.0%
Overstrength Agreements	3,439,098	3,439,098	3,507,880	(0.31)	(0.0%)	68,782	2.0%
Sewer Surcharge Agreements	7,005,322	7,005,322	7,145,429	(0.30)	(0.0%)	140,106	2.0%
Sub-Total Utility Rates	137,064,502	136,939,501	150,372,184	(125,001)	(0.1%)	13,307,682	9.7%
Non-Rate Revenue							
Local Improvement Recoveries	265,850	265,850	265,850	-	0.0%	-	0.0%
Permits / Leases / Agreements	230,392	230,392	239,607	-	0.0%	9,216	4.0%
Investment Income	-	-	-	-	0.0%	-	0.0%
General Fees and Recoveries	230,707	230,707	239,936	-	0.0%	9,228	4.0%
Building Faster Fund	-	-	1,365,000	-	0.0%	1,365,000	N/A
Sub-Total Non-Rate Revenue	726,949	726,949	2,110,393	-	0.0%	1,383,444	190.3%
TOTAL REVENUES	137,791,451	137,666,450	152,482,577	(125,001)	(0.1%)	14,691,126	10.7%
NET EXPENDITURES	-	-	-	-	0.0%	-	0.0%

**CITY OF HAMILTON
2024 - 2027 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
WASTEWATER**

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:											
Divisional Administration & Support	5,199,194	5,322,167	5,535,054	5,756,456	5,986,714	122,973	2.4%	212,887	4.0%	221,402	4.0%
Woodward Upgrades	941,124	893,542	929,284	966,455	1,005,114	(47,581)	(5.1%)	35,742	4.0%	37,171	4.0%
Customer Service & Community Outreach	2,300,852	3,418,219	3,554,948	3,697,146	3,845,032	1,117,367	48.6%	136,729	4.0%	142,198	4.0%
Compliance & Regulations	5,749,618	3,286,984	3,455,111	3,593,315	3,737,048	(2,462,634)	(42.8%)	168,127	5.1%	138,204	4.0%
Water Distribution & Wastewater Collection	4,996,104	4,364,265	4,538,836	4,720,389	4,909,205	(631,839)	(12.6%)	174,571	4.0%	181,553	4.0%
Plant Operations	18,443,754	23,435,339	24,372,753	25,347,663	26,361,570	4,991,585	27.1%	937,414	4.0%	974,910	4.0%
Plant Maintenance	5,527,762	5,992,165	6,231,852	6,481,126	6,740,371	464,403	8.4%	239,687	4.0%	249,274	4.0%
Capital Planning & Delivery	2,388,032	2,657,437	2,843,536	2,957,278	3,075,569	269,405	11.3%	186,099	7.0%	113,741	4.0%
Watershed Management	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Wastewater Abatement Program	1,142,465	1,141,839	1,187,513	1,235,013	1,284,414	(626)	(0.1%)	45,674	4.0%	47,501	4.0%
Alectra Utilities Service Contract	3,005,099	3,125,303	3,250,315	3,380,328	3,515,541	120,204	4.0%	125,012	4.0%	130,013	4.0%
Low Income Seniors Utility Rebate	250,164	250,032	260,033	270,435	281,252	(132)	(0.1%)	10,001	4.0%	10,401	4.0%
Sewer Lateral Management Program	325,000	300,000	312,000	324,480	337,459	(25,000)	(7.7%)	12,000	4.0%	12,480	4.0%
Hamilton Harbour Remedial Action Plan	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Protective Plumbing Program (3P)	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Financial Charges	86,118	84,440	87,817	91,330	94,983	(1,679)	(1.9%)	3,378	4.0%	3,513	4.0%
	50,355,285	54,271,733	56,559,052	58,821,414	61,174,270	3,916,448	7.8%	2,287,319	4.2%	2,262,362	4.0%
Capital and Reserve Recoveries	(3,554,918)	(3,796,191)	(3,948,039)	(4,105,960)	(4,270,199)	(241,273)	6.8%	(151,848)	4.0%	(157,922)	4.0%
Sub-Total	46,800,367	50,475,542	52,611,013	54,715,454	56,904,072	3,675,175	7.9%	2,135,471	4.2%	2,104,441	4.0%
Capital and Reserve Impacts on Operating											
Contributions to Capital											
Wastewater	54,231,042	53,114,298	43,021,500	42,036,710	43,021,444	(1,116,744)	(2.1%)	(10,092,798)	(19.0%)	(984,790)	(2.3%)
Sub-Total Contributions to Capital	54,231,042	53,114,298	43,021,500	42,036,710	43,021,444	(1,116,744)	(2.1%)	(10,092,798)	(19.0%)	(984,790)	(2.3%)
Contributions for DC Exemptions											
Wastewater	4,590,000	11,323,428	11,613,308	11,910,608	12,215,520	6,733,428	146.7%	289,880	2.6%	297,301	2.6%
Sub-Total Contributions for DC Exemptions	4,590,000	11,323,428	11,613,308	11,910,608	12,215,520	6,733,428	146.7%	289,880	2.6%	297,301	2.6%
Debt Charges											
Wastewater	13,229,466	12,870,675	23,886,904	37,111,817	54,775,965	(358,791)	(2.7%)	11,016,229	85.6%	13,224,912	55.4%
DC Debt Charges Recoveries	(3,945,399)	(3,128,520)	(8,569,596)	(15,269,010)	(24,954,263)	816,879	(20.7%)	(5,441,077)	173.9%	(6,699,414)	78.2%
Sub-Total Debt Charges	9,284,067	9,742,155	15,317,308	21,842,808	29,821,704	458,089	4.9%	5,575,153	57.2%	6,525,500	42.6%
Sub-Total Capital Financing	68,105,109	74,179,881	69,952,116	75,790,126	85,058,668	6,074,773	8.9%	(4,227,765)	(5.7%)	5,838,010	8.3%
Reserve Transfers	22,885,975	27,827,154	44,515,356	52,920,875	58,210,699	4,941,179	21.6%	16,688,202	60.0%	8,405,519	18.9%
Sub-Total Capital and Reserve Impacts on Operating	90,991,083	102,007,035	114,467,472	128,711,001	143,269,367	11,015,952	12.1%	12,460,437	12.2%	14,243,529	12.4%
TOTAL EXPENDITURES	137,791,451	152,482,577	167,078,485	183,426,455	200,173,438	14,691,126	10.7%	14,595,908	9.6%	16,347,970	9.8%

**CITY OF HAMILTON
2024 - 2027 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
WASTEWATER**

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	2023 RESTATED BUDGET	2024 REQUESTED BUDGET	2025 PROJECTED BUDGET	2026 PROJECTED BUDGET	2027 PROJECTED BUDGET	CHANGE 2024 REQUESTED / 2023 RESTATED BUDGET		CHANGE 2025 PROJECTED / 2024 REQUESTED BUDGET		CHANGE 2026 PROJECTED / 2025 PROJECTED BUDGET	
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:											
Rate Revenue											
Residential	61,317,615	67,862,703	75,001,238	83,121,251	92,237,016	6,545,088	10.7%	7,138,535	10.5%	8,120,014	10.8%
Industrial/Commercial/Institutional/Multi-res	63,806,066	70,274,065	77,400,633	85,285,979	93,930,101	6,468,000	10.1%	7,126,568	10.1%	7,885,345	10.2%
Non-Metered	550,000	597,850	657,037	721,427	788,519	47,850	8.7%	59,187	9.9%	64,390	9.8%
Hauler / 3rd Party Sales	946,400	984,256	1,023,626	1,064,571	1,107,154	37,856	4.0%	39,370	4.0%	40,945	4.0%
Overstrength Agreements	3,439,098	3,507,880	3,578,038	3,649,599	3,722,591	68,782	2.0%	70,158	2.0%	71,561	2.0%
Sewer Surcharge Agreements	7,005,322	7,145,429	7,288,337	7,434,104	7,582,786	140,106	2.0%	142,909	2.0%	145,767	2.0%
Sub-Total Utility Rates	137,064,502	150,372,184	164,948,910	181,276,931	199,368,168	13,307,682	9.7%	14,576,726	9.7%	16,328,021	9.9%
Non-Rate Revenue											
Local Improvement Recoveries	265,850	265,850	265,850	265,850	265,850	-	0.0%	-	0.0%	-	0.0%
Permits / Leases / Agreements	230,392	239,607	249,192	259,159	269,526	9,216	4.0%	9,584	4.0%	9,968	4.0%
Investment Income	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
General Fees and Recoveries	230,707	239,936	249,533	259,514	269,895	9,228	4.0%	9,597	4.0%	9,981	4.0%
Building Faster Fund	-	1,365,000	1,365,000	1,365,000	-	1,365,000	N/A	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	726,949	2,110,393	2,129,575	2,149,524	805,271	1,383,444	190.3%	19,182	0.9%	19,949	0.9%
TOTAL REVENUES	137,791,451	152,482,577	167,078,485	183,426,455	200,173,438	14,691,126	10.7%	14,595,908	9.6%	16,347,970	9.8%
NET EXPENDITURES	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%

CITY OF HAMILTON
2024 HAMILTON WASTEWATER AND STORM OPERATING BUDGET
STORM

	2023	2023	2024	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2023 PROJECTED / 2023 RESTATED	ACTUAL BUDGET	2024 REQUESTED / 2023 RESTATED	BUDGET
	\$	\$	\$	\$	%	\$	%
<u>OPERATING EXPENDITURES:</u>							
Divisional Administration & Support	676,437	852,307	744,686	(175,870)	(26.0%)	68,250	10.1%
Woodward Upgrades	71,182	71,182	75,236	-	0.0%	4,055	5.7%
Customer Service & Community Outreach	1,118,435	1,453,543	1,886,788	(335,108)	(30.0%)	768,353	68.7%
Compliance & Regulations	284,550	280,528	1,077,529	4,022	1.4%	792,980	278.7%
Water Distribution & Wastewater Collection	3,849,265	3,849,265	3,628,652	-	0.0%	(220,613)	(5.7%)
Plant Operations	138,421	142,264	63,634	(3,844)	(2.8%)	(74,787)	(54.0%)
Plant Maintenance	753,786	753,786	817,113	-	0.0%	63,328	8.4%
Capital Planning & Delivery	530,674	530,674	590,542	-	0.0%	59,868	11.3%
Watershed Management	1,642,718	1,642,718	1,863,619	-	0.0%	220,901	13.4%
Wastewater Abatement Program	-	-	-	-	0.0%	-	0.0%
Alectra Utilities Service Contract	-	-	-	-	0.0%	-	0.0%
Low Income Seniors Utility Rebate	-	-	-	-	0.0%	-	0.0%
Sewer Lateral Management Program	-	-	-	-	0.0%	-	0.0%
Hamilton Harbour Remedial Action Plan	604,011	604,011	679,084	-	0.0%	75,073	12.4%
Protective Plumbing Program (3P)	752,938	752,938	750,016	-	0.0%	(2,921)	(0.4%)
Financial Charges	-	-	32	-	0.0%	32	N/A
	10,422,415	10,933,215	12,176,932	(510,800)	(4.9%)	1,754,517	16.8%
Capital and Reserve Recoveries	(1,636,344)	(1,636,344)	(1,006,005)	-	0.0%	630,339	(38.5%)
Sub-Total	8,786,071	9,296,872	11,170,927	(510,800)	(5.8%)	2,384,856	27.1%
<u>Capital and Reserve Impacts on Operating</u>							
<u>Contributions to Capital</u>							
Stormwater	14,822,000	15,492,000	19,858,000	(670,000)	(4.5%)	5,036,000	34.0%
Sub-Total Contributions to Capital	14,822,000	15,492,000	19,858,000	(670,000)	(4.5%)	5,036,000	34.0%
<u>Contributions for DC Exemptions</u>							
Stormwater	1,890,000	1,890,000	7,548,952	-	0.0%	5,658,952	299.4%
Sub-Total Contributions for DC Exemptions	1,890,000	1,890,000	7,548,952	-	0.0%	5,658,952	299.4%

CITY OF HAMILTON
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STORM

	2023	2023	2024	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2023 PROJECTED ACTUAL / 2023 RESTATED BUDGET		2024 REQUESTED / 2023 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
<u>Capital Debt Charges</u>							
Stormwater	3,780,708	2,921,146	4,171,929	859,562	22.7%	391,221	10.3%
DC Debt Charges Recoveries	(997,711)	(64,024)	(1,169,100)	(933,687)	93.6%	(171,389)	17.2%
Sub-Total Debt Charges	2,782,997	2,857,122	3,002,830	(74,125)	(2.7%)	219,832	7.9%
Sub-Total Capital Financing	19,494,997	20,239,122	30,409,782	(744,125)	(3.8%)	10,914,784	56.0%
Reserve Transfers	(28,281,069)	(29,535,994)	(40,670,709)	1,254,925	(4.4%)	(12,389,640)	43.8%
Sub-Total Cap\Reserve Impacts on Operating	(8,786,071)	(9,296,872)	(10,260,927)	510,800	(5.8%)	(1,474,856)	16.8%
TOTAL EXPENDITURES	-	-	910,000	-	0.0%	910,000	0.0%
<u>REVENUES:</u>							
<u>Non-Rate Revenue</u>							
Building Faster Fund	-	-	910,000	-	0.0%	910,000	N/A
Sub-Total Non-Rate Revenue	-	-	910,000	-	0.0%	910,000	0.0%
TOTAL REVENUES	-	-	910,000	-	0.0%	910,000	0.0%
NET EXPENDITURES	-	-	-	-	0.0%	-	0.0%

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:											
Divisional Administration & Support	676,437	744,686	774,474	805,453	837,671	68,250	10.1%	29,787	4.0%	30,979	4.0%
Woodward Upgrades	71,182	75,236	78,246	81,376	84,631	4,055	5.7%	3,009	4.0%	3,130	4.0%
Customer Service & Community Outreach	1,118,435	1,886,788	1,962,259	2,040,750	2,122,380	768,353	68.7%	75,472	4.0%	78,490	4.0%
Compliance & Regulations	284,550	1,077,529	1,120,631	1,165,456	1,212,074	792,980	278.7%	43,101	4.0%	44,825	4.0%
Water Distribution & Wastewater Collection	3,849,265	3,628,652	3,773,798	3,924,750	4,081,740	(220,613)	(5.7%)	145,146	4.0%	150,952	4.0%
Plant Operations	138,421	63,634	66,179	68,826	71,579	(74,787)	(54.0%)	2,545	4.0%	2,647	4.0%
Plant Maintenance	753,786	817,113	849,798	883,790	919,141	63,328	8.4%	32,685	4.0%	33,992	4.0%
Capital Planning & Delivery	530,674	590,542	614,163	638,730	664,279	59,868	11.3%	23,622	4.0%	24,567	4.0%
Watershed Management	1,642,718	1,863,619	1,984,380	2,063,756	2,146,306	220,901	13.4%	120,762	6.5%	79,375	4.0%
Wastewater Abatement Program	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Alectra Utilities Service Contract	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Low Income Seniors Utility Rebate	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Sewer Lateral Management Program	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%
Hamilton Harbour Remedial Action Plan	604,011	679,084	706,247	734,497	763,877	75,073	12.4%	27,163	4.0%	28,250	4.0%
Protective Plumbing Program (3P)	752,938	750,016	780,017	811,217	843,666	(2,921)	(0.4%)	30,001	4.0%	31,201	4.0%
Financial Charges	-	32	33	35	36	32	N/A	1	4.0%	1	4.0%
	10,422,415	12,176,932	12,710,226	13,218,635	13,747,380	1,754,517	16.8%	533,294	4.4%	508,409	4.0%
Capital and Reserve Recoveries	(1,636,344)	(1,006,005)	(1,046,245)	(1,088,094)	(1,131,618)	630,339	(38.5%)	(40,240)	4.0%	(41,850)	4.0%
Sub-Total	8,786,071	11,170,927	11,663,981	12,130,540	12,615,762	2,384,856	27.1%	493,054	4.4%	466,559	4.0%

Capital and Reserve Impacts on Operating**Contributions to Capital**

Stormwater	14,822,000	19,858,000	28,015,000	20,246,000	42,465,000	5,036,000	34.0%	8,157,000	41.1%	(7,769,000)	(27.7%)
Sub-Total Contributions to Capital	14,822,000	19,858,000	28,015,000	20,246,000	42,465,000	5,036,000	34.0%	8,157,000	41.1%	(7,769,000)	(27.7%)

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	2023	2024	2025	2026	2027	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2024 REQUESTED / 2023 RESTATED BUDGET	%	2025 PROJECTED / 2024 REQUESTED BUDGET	%	2026 PROJECTED / 2025 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
Contributions for DC Exemptions											
Stormwater	1,890,000	7,548,952	7,742,205	7,940,406	8,143,680	5,658,952	299.4%	193,253	2.6%	198,200	2.6%
Sub-Total Contributions for DC Exemptions	1,890,000	7,548,952	7,742,205	7,940,406	8,143,680	5,658,952	299.4%	193,253	2.6%	198,200	2.6%
Debt Charges											
Stormwater	3,780,708	4,171,929	6,892,549	9,132,435	10,719,802	391,221	10.3%	2,720,620	65.2%	2,239,886	32.5%
DC Debt Charges Recoveries	(997,711)	(1,169,100)	(3,169,637)	(4,565,091)	(5,309,731)	(171,389)	17.2%	(2,000,537)	171.1%	(1,395,454)	44.0%
Sub-Total Debt Charges	2,782,997	3,002,830	3,722,912	4,567,344	5,410,070	219,832	7.9%	720,082	24.0%	844,432	22.7%
Sub-Total Capital Financing	19,494,997	30,409,782	39,480,117	32,753,750	56,018,750	10,914,784	56.0%	9,070,336	29.8%	(6,726,367)	(17.0%)
Reserve Transfers	(28,281,069)	(40,670,709)	(50,234,098)	(43,974,290)	(68,634,512)	(12,389,640)	43.8%	(9,563,389)	23.5%	6,259,808	(12.5%)
Sub-Total Capital and Reserve Impacts on Operating	(8,786,071)	(10,260,927)	(10,753,981)	(11,220,540)	(12,615,762)	(1,474,856)	16.8%	(493,054)	4.8%	(466,559)	4.3%
TOTAL EXPENDITURES	-	910,000	910,000	910,000	-	910,000	0.0%	-	0.0%	-	0.0%
REVENUES:											
Non-Rate Revenue											
Building Faster Fund	-	910,000	910,000	910,000	-	910,000	N/A	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	-	910,000	910,000	910,000	-	910,000	N/A	-	0.0%	-	0.0%
TOTAL REVENUES	-	910,000	910,000	910,000	-	910,000	N/A	-	0.0%	-	0.0%
NET EXPENDITURES	-	-	-	-	-	-	0.0%	-	0.0%	-	0.0%

**HAMILTON WATER
2024 RATE SUPPORTED STAFFING SUMMARY**

Section	2023 RESTATED	2024 MAINTENANCE	2024 PROGRAM CHANGES	2024 REQUESTED	2024 REQUESTED vs. 2023 RESTATED
Divisional Administration & Support	12.00	12.00	0.00	12.00	0.00
Woodward Upgrades	13.00	13.00	0.00	13.00	0.00
Customer Service & Community Outreach	39.65	39.65	19.00	58.65	19.00
Compliance & Regulations	57.00	57.00	1.00	58.00	1.00
Water Distribution & Wastewater Collection	105.00	105.00	0.00	105.00	0.00
Plant Operations	57.00	57.00	0.00	57.00	0.00
Plant Maintenance	44.00	44.00	0.00	44.00	0.00
Capital Planning & Delivery	34.00	35.00	2.00	37.00	3.00
Watershed Management	7.00	6.00	2.00	8.00	1.00
Total RATE Supported Staff	368.65	368.65	24.00	392.65	24.00

Rate Budget - Business Case Summary

DEPARTMENT: Public Works

SERVICE / PROGRAM	DESCRIPTION OF PROGRAM ENHANCEMENT	2024 IMPACT			ANNUALIZED IMPACT
		\$ GROSS	\$ NET	FTE Impact	\$ NET
Compliance & Regulations	Technologist - Surface Water Quality Program Phase II to execute the augmented Surface Water Quality Program, an action stemming from the Chedoke Order.	\$ 109,943	\$ 73,295	1.00	\$ 109,943
Capital Planning & Delivery	Sr Project Manager - Hydraulic Modeling to increase capacity in water/wastewater system modelling to direct support Hamilton's growth and development approvals.	\$ 170,080	\$ 113,387	1.00	\$ 170,080
Capital Planning & Delivery	Project Manager - Storm Water Planning to complete Environmental Assessments from the Flooding and Drainage Improvement Framework, Master Plan to reduce wastewater discharges to the natural environment and evaluate neighbourhoods for new green infrastructure.	\$ 138,650	\$ 46,217	1.00	\$ 69,325
Watershed Management	Two Project Managers to implement projects, programs, policy development, and community outreach from the Term of Council Priority - City of Hamilton Watershed Action Plan.	\$ 277,300	\$ 231,084	2.00	\$ 277,300
Locates Office	An Internal Locates Office to reduce costs, increase compliance, and create efficiencies with utility locates.	\$ 2,051,676	\$ -	19.00	\$ (3,300,000)
Division Subtotal		\$ 2,747,650	\$ 463,983	24.00	\$ (2,673,351)
DEPARTMENT TOTAL		\$ 2,747,650	\$ 463,983	24.00	\$ (2,673,351)

CITY OF HAMILTON 2024 RATES OPERATING BUDGET BUSINESS CASE #1

BUSINESS CASE OVERVIEW	
Request Title	Surface Water Quality Technologist
Department	Public Works
Division	Hamilton Water
Request Driver	Council Directed Program - Surface Water Quality Program
Proposed Start Date	1-May-2024
Strategic Plan Priorities	Built Environment and Infrastructure

FINANCIAL IMPACT 2024 OPERATING BUDGET		\$'000
DESCRIPTION	2024 AMOUNT	ANNUALIZED AMOUNT
Total Expenditures	\$73.3	\$109.9
Total Revenue	\$0.0	\$0.0
Net Levy	\$73.3	\$109.9
Full Time Equivalent (FTE)	1.00	1.00
	2024 Associated Capital Funding	Total Associated Capital Funding
Capital Budget Impact	\$0.0	\$0.0

BUSINESS CASE DETAILS

1. Reason for Request:

The Surface Water Quality Program (SWQP) Framework is a council directed program and creates a starting point for the City of Hamilton gaining a holistic understanding of surface water quality and the potential impacts various City assets may have on the natural environment. It highlights Hamilton’s major receiving water bodies, wastewater collection and treatment systems, internal and external partner engagement and a three-phased approach of program implementation.

- Phase I built a monthly surface water monitoring plan, sampling 33 locations across the City.
- Phase II, planned to begin in 2024, focuses on assessing the initial sampling plan and making modifications as needed and expanding the coverage of the monitoring plan. This phase will take between 2-5 years.
- Phase III will focus on infrastructure investment needed to better protect the receiving waters, as well as prioritizing identified areas of interest/on-going water quality anomalies, or hot spots, for regular inspection and enforcement activities, as needed. The SWQP will build a baseline understanding of ambient surface water conditions over time, develop open communication and transparency with partners, and respond to and investigate water quality anomalies that may be due to infrastructure malfunctions and standard operating conditions. The SWQP also helps guide refinements of standard operating conditions and identify non-point source contaminants in Hamilton’s Watersheds.

Specifically, this requested Water Quality Technologist position is instrumental to include watersheds not captured in Phase 1, synthesizing data, sampling the addition of ~46 sample locations, supporting technology for long term trending, integrating rainfall data, to draft water quality thresholds and identify 'hot spots' using statistical analysis. This position supports City efforts towards HHRAP goal of delisting the Harbour as an Area of Concern

2. Implications if Request not permitted:

Should this position not be supported, the Surface Water Quality Program will be prevented from moving to Phase II. The City may not be able to meet commitments intended by the partnerships with external partners such as Conservation Authorities, RBG and others. Not supporting this position reduces the City's ability to develop baseline understanding of watershed quality, limits the ability to define 'hot spots', and to support the identification of non-point source contaminants.

The City may be delayed in supporting technology for long term trending, and may miss opportunities that support efforts towards the delisting of Hamilton Harbour as an area of concern. Delaying moving the Surface Water Quality Program forward may risk anomolous water quality conditions going unnoticed internally, and could delay the response to infrastructure malfunctions and standard operating conditions. This may also pose a reputational risk for the City.

3. Alternatives (if any):

Do Nothing: least cost, but not recommended as this exposes the City to delays and risks as noted above.

Delay hiring: reduces immediate cost, not recommended as this option only delays the work and carries the risks forward an additional year

Support via Consultants: not recommended as this carries significant cost, exposes City to contract risks, reduces internal city oversight, limits interprogram synergy benefits

4. Performance Measures:

This position is instrumental in achieving the additional monitoring samples anticipated by the SWQP (~46 additional samples monthly)

Improving the availability and utility of internal and external partner surface water quality data, Improve BI dashboards.

Finalizing SWQP standard operating procedures,

Develop surface water tributary baselines and thresholds,

Develop a Hot Spot map that supports investigations and decision making,

Connect to Rain Guage data supporting Surface Water Quality investigations

COUNCIL PRIORITIES

Priority	Sustainable Economic & Ecological Development
Outcome	Accelerate our response to climate change / Protect green space and waterways
Measure of Success	Assessment of infrastructure projects against their impact on the City's climate resilience and readiness / Acceleration of the City's Water Strategy and delisting of Hamilton Harbour as an International Joint Commission area of Concern

CITY OF HAMILTON 2024 RATES OPERATING BUDGET BUSINESS CASE #2

BUSINESS CASE OVERVIEW

Request Title	Senior Project Manager
Department	Public Works
Division	Hamilton Water
Request Driver	Bill 109, Bill 23, OPA, Growth & Development
Proposed Start Date	1-May-2024
Strategic Plan Priorities	Built Environment and Infrastructure

FINANCIAL IMPACT 2024 OPERATING BUDGET \$'000

DESCRIPTION	2024 AMOUNT	ANNUALIZED AMOUNT
Total Expenditures	\$113.4	\$170.1
Total Revenue	\$0.0	\$0.0
Net Levy	\$113.4	\$170.1
Full Time Equivalent (FTE)	1.00	1.00
	2024 Associated Capital Funding	Total Associated Capital Funding
Capital Budget Impact	\$0.0	\$0.0

BUSINESS CASE DETAILS

1. Reason for Request:

The Water & Wastewater Systems Planning Section (WWWSP) is requesting one new permanent full-time Senior Project Manager to be responsible for development of real time water, wastewater, and stormwater models for the City of Hamilton. This is required to allow growth and intensification to proceed within the existing serviced areas of the City of Hamilton, and ultimately allow the orderly development of the urban boundary expansion areas.

Capacity constraints within the municipal water distribution and wastewater collection systems are identified daily through the review of Development Applications that are for growth and intensification at a rate even greater than the City forecasted for the 2051 horizon year. As the rate of intensification increases, the WWWWSP Team is finding more and more developments competing for system capacity within the same water, wastewater, and stormwater systems networks.

Prior to Bill 109, there was the opportunity to work collaboratively with Proponents to identify servicing alternatives, capital upgrade needs, and identify/fulfill conditions prior to approval of site plans, zoning amendments, and Official Plan amendments. With the introduction of Bill 109, DA review and approvals are required in as few as 4 days and as many as 9, forcing staff to implement approvals with servicing capacity conditions that will be challenging to clear/resolve on a frequent basis. In addition, Bill 23 results in infill and intensification that is not subject to the Planning process and is proceeding without water distribution or wastewater collection capacity tracking mechanisms in place.

Presently, for every Application submitted where there is a known or potential constraint within these systems, a condition of zoning approval is placed requiring Proponents to demonstrate that there is adequate capacity within the municipal systems to service the proposed growth. This is a reactive approach to identifying and prioritizing capital infrastructure needs to facilitate development, and results in the delay of planned infrastructure projects/studies. Further, the added burden on Proponents to complete the hydraulic assessments has become an issue of contention as it causes delays in approvals, is time consuming for both the Proponent and City staff, and costly since they are required to include all approved and in-progress developments within the area in question. The result is a greater number of Applications being moved to the Ontario Land Tribunal (OLT) for legal proceedings.

The objective of this request is to develop a Modelling Unit within WWWWSP to develop and maintain real-time hydraulic models for water, wastewater, and stormwater. This Unit will be an integral piece of the DA reviews for both Hamilton Water and Development Engineering, as they will be able to provide an immediate review and response on the availability of capacity within our municipal systems to service proposed development on a daily basis. Ultimately this Unit will work with the Master Plan Team to inform future DC Background Studies, assist in the prioritization of sewer separation strategies to free wastewater capacity and allow for intensification within those areas of the City. This Unit is expected to result in significant cost savings in Consulting fees over the long term.

2. Implications if Request not permitted:

This request is not only aligned with our service level agreement with our partners in Planning and Economic Development, but aligns with the Staff mandates, Council priorities, and Provincial directions. The implications of this request not being approved are at a minimum:

- The inability to meet the existing capital projects level of service due to prioritization of development enabling projects
- Increased backlog of WWWSPP projects (e.g., Winona, SWM Facility Retrofits, York Road), initiatives, etc. which will delay project handovers to Capital Delivery and Engineering Services due to prioritization of development enabling projects
- Repetition of work since there are multiple Applicants being asked to complete the same task, at times with conflicting results
- Increase in Consulting assignments/costs for WWWSPP to retain a consultant to undertake scoped hydraulic modelling assignments and a DA by DA basis
- Rejection of development applications and inability to support approvals
- Development freezes in areas of known constraints
- Increased number of OLT hearings for Staff

3. Alternatives (if any):

External resources (Consultant): Cost prohibitive; not practical as a PM is still required to manage the Consultant.

4. Performance Measures:

WWWSPP has current GM Scorecard KPIs for DA reviews and responses. They will be updated accordingly with revised timelines, and success will be measured by those KPIs being consistently met.

A quantitative review and compiling of the WWWSPP backlog will be undertaken, differentiating between growth & development related and capital improvement projects. Success will be measured by maintaining or increasing the % of approved capital budget spent, and # of Charters outstanding in both of these categories.

COUNCIL PRIORITIES

Priority	Safe and Thriving Neighbourhoods
Outcome	Increase the supply of affordable and supportive housing and reduce chronic homelessness
Measure of Success	Streamlined and accelerated approvals of new residential development, with a goal of 30% rental and 10% affordable or supportive housing

CITY OF HAMILTON 2024 RATES OPERATING BUDGET BUSINESS CASE #3

BUSINESS CASE OVERVIEW

Request Title	Project Manager - Stormwater
Department	Public Works
Division	Hamilton Water
Request Driver	Bill 109, Bill 23, OPA, Growth & Development
Proposed Start Date	1-May-2024
Strategic Plan Priorities	Built Environment and Infrastructure

FINANCIAL IMPACT 2024 OPERATING BUDGET

\$'000

DESCRIPTION	2024 AMOUNT	ANNUALIZED AMOUNT
Total Expenditures	\$92.4	\$138.7
Total Revenue	\$46.2	\$69.3
Net Levy	\$46.2	\$69.3
Full Time Equivalent (FTE)	1.00	1.00
	2024 Associated Capital Funding	Total Associated Capital Funding
Capital Budget Impact	\$46.2	\$69.3

BUSINESS CASE DETAILS

1. Reason for Request:

The Water & Wastewater Systems Planning Section (WWWSP) is requesting one new permanent full-time Project Manager for the Stormwater Planning Unit. In addition to being responsible for the review of stormwater, wastewater, and combined servicing for all Development Applications in the City of Hamilton, the mandate of this Unit includes the flooding and drainage, servicing, and environmental assessment studies to support the City's capital infrastructure programs.

Several environmental assessment studies are outcomes of the Flooding and Drainage Improvement Framework, which are required to support of the ultimate goal of combined sewer separation. These studies and the capital program they will enable are the means by which Hamilton will reduce combined sewer overflows to the natural environment, provide servicing capacity to facilitate development and intensification, ensure climate change resiliency in municipal servicing infrastructure, and reduce the cost burden associated with the treatment of stormwater at the Woodward Wastewater Treatment Plant. The completion of these environmental assessments and the goal of sewer separation are aligned with all facets of Council's priorities for Sustainable Economic and Ecological Development.

Due to workload and backlog, the Stormwater Unit does not have the staffing capacity to initiate the Flooding and Drainage Improvement Framework environmental assessments and capital planning for sewer separation.

2. Implications if Request not permitted:

The implication of this request not being approved is the delay of the Flooding and Drainage Improvement Framework environmental assessment studies, and consequently the capital program for sewer separations. This translates into servicing limitations across the City as combined sewer overflows occur not only in the northern or downtown area, but in other waterways and trunk infrastructure such as the Red Hill Valley.

Continued growth and intensification across the City without freeing up wastewater capacity consumed by stormwater will result in an increased number of combined sewer overflows and spills, which are reported to the Ministry of Environment, Conservation, and Parks and will have regulatory implications.

3. Alternatives (if any):

None.

4. Performance Measures:

Initiation and completion of sewer separation environmental assessments, design handovers to Engineering Services, and capital projects planned with associated budget requests.

COUNCIL PRIORITIES	
Priority	Sustainable Economic & Ecological Development
Outcome	Accelerate our response to climate change / Protect green space and waterways
Measure of Success	Assessment of infrastructure projects against their impact on the City's climate resilience and readiness / Acceleration of the City's Water Strategy and delisting of Hamilton Harbour as an International Joint Commission area of Concern

CITY OF HAMILTON 2024 RATES OPERATING BUDGET BUSINESS CASE #4

BUSINESS CASE OVERVIEW

Request Title	Project Manager - Watershed Management	
Department	Public Works	
Division	Hamilton Water	
Request Driver	Council Priority - Watershed Action Plan	
Proposed Start Date	1-Jan-2024	1-May-2024
Strategic Plan Priorities	Built Environment and Infrastructure	

FINANCIAL IMPACT 2024 OPERATING BUDGET \$'000

DESCRIPTION	2024 AMOUNT	ANNUALIZED AMOUNT
Total Expenditures	\$231.1	\$277.3
Total Revenue	\$0.0	\$0.0
Net Levy	\$231.1	\$277.3
Full Time Equivalent (FTE)	2.00	2.00
	2024 Associated Capital Funding	Total Associated Capital Funding
Capital Budget Impact	\$0.0	\$0.0

BUSINESS CASE DETAILS

1. Reason for Request:

Watershed Management is requesting the addition of two permanent full-time Project Managers to provide an acceptable level of service in the acceleration of the Term of Council Priority for the City of Hamilton Watershed Action Plan.

Expected outcomes of one of the project managers includes the completion of the internal verification workshops along with onboarding a consultant to provide an unbiased review of the action plan including developing a financial plan.

The second project manger will focus on engagement, both public and indigenous. The indigenous engagement is dependent on indigenous relationships & resources.

Some other challenges that are driving this request are:

- High number of actions translates to a high workload, and we lack staff redundancy in the current team
- Tighter timelines resulting in being identified as a Term of Council Priority
- Dealing with multi-year action monitoring
- Staff availability for internal and external stakeholder action meetings or follow ups

2. Implications if Request not permitted:

Not having a dedicated PMs for the acceleration of the Term of Council Priority for the City of Hamilton Watershed Action Plan could result in:

- Delayed completion and implementation of the City of Hamilton Watershed Action Plan
- Inadequate resources to drive results related to the identified actions
- Poor staff retention and reduced job satisfaction

3. Alternatives (if any):

<p><u>Status Quo:</u></p> <ul style="list-style-type: none"> - PRO – Financial and staffing levels remain unchanged. The viability of additional positions can be reevaluated if for the acceleration of the Term of Council Priority for the City of Hamilton Watershed Action Plan reduces significantly. - CON – Risk of potential poor staff retention and inability to meet the accelerated timeline. <p><u>Using Consulting Services:</u></p> <ul style="list-style-type: none"> - PRO - Staffing levels remain unchanged. - CON – Financial requirements increase, while internal staff support is still needed for review of comments, participation in meetings and action implementation tracking. <p><u>One FTE approved:</u></p> <ul style="list-style-type: none"> - PRO - Financial and staffing levels somewhat change. The viability of an additional position can be reevaluated if for the acceleration of the Term of Council Priority for the City of Hamilton Watershed Action Plan reduces. - CON – Lower, but still present risk of potential poor staff retention and inability to meet the accelerated timeline.

4. Performance Measures:

Hamilton Water Watershed Management does not have baseline data available or other municipal benchmarks, as the City of Hamilton Watershed Action Plan is a unique undertaking. To demonstrate progress in achieving the expected outcome(s), the performance will be measured and evaluated based on the consultants unbiased review and structured formatting of the action plan.

COUNCIL PRIORITIES	
Priority	Sustainable Economic & Ecological Development
Outcome	Accelerate our response to climate change / Protect green space and waterways
Measure of Success	Assessment of infrastructure projects against their impact on the City’s climate resilience and readiness / Acceleration of the City’s Water Strategy and delisting of Hamilton Harbour as an International Joint Commission area of Concern

**CITY OF HAMILTON
2024 RATES OPERATING BUDGET
BUSINESS CASE #5**

BUSINESS CASE OVERVIEW

Request Title	Locates Office
Department	Public Works
Division	Hamilton Water
Request Driver	Mayoral Directive to Staff (MDI-2023-02)
Proposed Start Date	1-Jan-2024
Strategic Plan Priorities	Built Environment and Infrastructure

FINANCIAL IMPACT 2024 OPERATING BUDGET \$'000

DESCRIPTION	2024 AMOUNT	ANNUALIZED AMOUNT
Total Expenditures	\$1,185.6	(\$3,300.0)
Total Revenue	\$1,185.6	\$0.0
Net Levy	\$0.0	(\$3,300.0)
Full Time Equivalent (FTE)	19.00	19.00
	2024 Associated Capital Funding	Total Associated Capital Funding
Capital Budget Impact	\$0.9	\$0.0

BUSINESS CASE DETAILS

1. Reason for Request:

In 2022, the City of Hamilton spent approximately \$4 million for locate service providers to respond to Ontario One Call requests across Hamilton Water, Transportation and Environmental Services. Staff costs of responding to these requests have also increased due to the high volume of requests.

External contract costs for this work have escalated over the past five (5) years and locate service provider response times are poor (up to 45 days). Changes resulting from Bill 93 – passed in September 2022 – have now put added pressures on municipalities (as asset owners) who will start to incur fines for locate service providers' delayed turnaround times, beginning in April 2024. The implications to the City (as the asset owner) are severe, since it will be in jeopardy of incurring fines for late (non-compliant) locate services.

Moving to an in-house business model that oversees all facets of the process (from request intake to field locate to data management) will prove beneficial in the following ways:

- It will be a City-controlled service that administers, manages and delivers locates with a focus on eliminating redundancies, reducing inefficiencies, and lowering costs. Transitioning to an in-house business model could save the City approximately \$3 million.
~~It will enable more expedited locate request response times, thereby enabling more timely capital project start times.~~

2. Implications if Request not permitted:

The City of Hamilton will continue to externally contract locate services. There is increased risk for future cost uncertainty and potential fine penalties.

3. Alternatives (if any):

Continue to externally contract locate services or develop a hybrid model of both external and internal locate services.

4. Performance Measures:

Bringing the locates service in-house will enable a greater degree of control over the locates process from start to finish, ensure a higher degree of continuity and consistency between Public Works Divisions, provide a greater degree of certainty in locates compliance rates, and enable a higher degree of confidence in geomatics data.

COUNCIL PRIORITIES

Priority	Sustainable Economic & Ecological Development
Outcome	Reduce the burden on residential ratepayers
Measure of Success	Exploration and introduction of new City revenue models and efficiencies

CITY OF HAMILTON
2024 WATER AND WASTEWATER/STORM FEES AND CHARGES
Effective January 1, 2024

A) Daily Water & Wastewater/Storm Fixed Charges

The fixed daily charge is not related to the direct costs of consumption and are not dependent upon or related to the amount of consumption incurred. The fixed charges are intended to offset the fixed costs of maintaining the water, wastewater and storm systems.

Meter Size	Water Rate	Wastewater/ Rate	Storm
15 mm	\$ 0.48	\$	0.52
16 mm	\$ 0.48	\$	0.52
20 mm	\$ 0.48	\$	0.52
21 mm	\$ 0.48	\$	0.52
25 mm	\$ 1.20	\$	1.30
38 mm	\$ 2.40	\$	2.60
50 mm	\$ 3.84	\$	4.16
75 mm	\$ 7.68	\$	8.32
100 mm	\$ 12.00	\$	13.00
150 mm	\$ 24.00	\$	26.00
200 mm	\$ 38.40	\$	41.60
250 mm	\$ 55.20	\$	59.80
300 mm	\$ 81.60	\$	88.40

B) Metered Water Consumption Charges

Water consumption shall be charged on a per cubic metre basis at the rates indicated in the table below. The total monthly Water Consumption Charge is the sum of usage in all blocks at the rate for each block.

Consumption Block	Monthly Water Consumption (m3)	Residential Meter Size <25mm	Residential Meter Size =>25mm and Commercial, Institutional & Industrial
		Rate (\$/m3)	Rate (\$/m3)
1	0-10	1.07	2.13
2	>10	2.13	2.13

C) Wastewater/Storm Treatment Charges

Wastewater/Storm Treatment Charges are based on metered water consumption and the cost of wastewater collection and treatment, and stormwater management. Charges are on a per cubic metre basis at the rates indicated in the table below. The total monthly Wastewater/Storm Treatment Charge is the sum of usage in all blocks at the rate for each block.

Treatment Block	Monthly Water Consumption (m3)	Residential Meter Size <25mm	Residential Meter Size =>25mm and Commercial, Institutional & Industrial
		Rate (\$/m3)	Rate (\$/m3)
1	0-10	1.08	2.15
2	>10	2.15	2.15

D) Non-Metered Annual Water & Wastewater/Storm Rate

Flat Rate Water Customers Annual Rate: \$777.45

Flat Rate Wastewater/Storm Customers Annual Rate: \$784.75

Combined Flat Rate Water & Wastewater/Storm Customers Annual Rate: \$1,562.20

City of Hamilton - 2024 Private Fire Line Rates

This service shall consist of permanent unmetered connections to the main for the purpose of supplying water to private fire protection systems such as automatic sprinkler systems, standpipes and private hydrants. This service shall also include reasonable quantities of water used for testing check valves and other backflow protection devices.

Unmetered Service

Size of Connection		Monthly Rate
mm	inches	
25	1	\$ 4.67
38	1.5	\$ 10.74
50	2	\$ 18.68
75	3	\$ 42.02
100	4	\$ 74.70
150	6	\$ 168.08
200	8	\$ 298.81
250	10	\$ 298.81
300	12	\$ 298.81

2024 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS
HAMILTON WATER

For Billing Purposes
Regular Hours: M - F: 7:00am - 4:30pm
After Hours: M - F: 4:30pm - 7:00am, Weekends and Holidays

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2023 including HST (if applicable)	2024 Proposed Fee	HST (y/n)	2024 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	47220	1	WATER DISTRIBUTION Water Meter Permit Fee Note: Charged for first-time meter installations. Includes supply and installation of water meter and remote reading device by the City/meter contractor and related inspection. Approval by the Supervisor of Meter Operations is required for new installation of alternative meter types not shown below.						
			1a)	16mm (5/8"x3/4") Displacement	\$359.70	\$359.70	n	\$359.70	0.0%	Current fee achieves full cost recovery
			1b)	20mm (3/4") Displacement	\$404.60	\$404.60	n	\$404.60	0.0%	Current fee achieves full cost recovery
			1c)	21mm (3/4"x1") Displacement	\$404.60	\$404.60	n	\$404.60	0.0%	Current fee achieves full cost recovery
			1d)	25mm (1") Displacement	\$559.40	\$559.40	n	\$559.40	0.0%	Current fee achieves full cost recovery
			1e)	38mm (1.5") Displacement	\$1,121.03	\$1,121.03	n	\$1,121.03	0.0%	Current fee achieves full cost recovery
			1f)	50mm (2") Displacement	\$1,284.78	\$1,284.78	n	\$1,284.78	0.0%	Current fee achieves full cost recovery
			1g)	50mm (2") Compound with strainer	\$3,316.40	\$3,316.40	n	\$3,316.40	0.0%	Current fee achieves full cost recovery
			1h)	100mm (4") Compound with strainer	\$5,444.47	\$5,444.47	n	\$5,444.47	0.0%	Current fee achieves full cost recovery
			1i)	150mm (6") Compound with strainer	\$11,495.85	\$11,495.85	n	\$11,495.85	0.0%	Current fee achieves full cost recovery
			1j)	100mm (4") Fire Service Compound	\$11,187.62	\$11,187.62	n	\$11,187.62	0.0%	Current fee achieves full cost recovery
			1k)	150mm (6") Fire Service Compound	\$17,621.08	\$17,621.08	n	\$17,621.08	0.0%	Current fee achieves full cost recovery
			1l)	200mm (8") Fire Service Compound	\$24,358.00	\$24,358.00	n	\$24,358.00	0.0%	Current fee achieves full cost recovery
			1m)	250mm (10") Fire Service Compound	\$31,887.59	\$31,887.59	n	\$31,887.59	0.0%	Current fee achieves full cost recovery
			1n)	Radio Remote Read Equipment Installation	\$285.90	\$285.90	n	\$285.90	0.0%	Current fee achieves full cost recovery
			1o)	Radio Remote Read Equipment Installation in Chamber	\$1,145.70	\$1,145.70	n	\$1,145.70	0.0%	Current fee achieves full cost recovery
R84-026	510220	45519	2	Water Meter Removal Fee Note: Cost to remove a meter prior to the building being demolished and/or the water service being decommissioned or abandoned. Failure to have the meter removed prior to the building being demolished will incur a meter replacement cost charge. <i>Does not include a turn water off fee, which is required and charged separately as per Section 14 of this schedule.</i>						
			2a)	16mm (5/8"x3/4") Displacement	\$136.22	\$126.74	y	\$143.21	5.1%	To achieve full cost recovery
			2b)	20mm (3/4") Displacement	\$136.22	\$126.74	y	\$143.21	5.1%	To achieve full cost recovery
			2c)	21mm (3/4"x1") Displacement	\$136.22	\$126.74	y	\$143.21	5.1%	To achieve full cost recovery
			2d)	25mm (1") Displacement	\$136.22	\$126.74	y	\$143.21	5.1%	To achieve full cost recovery
			2e)	38mm (1.5") - 250mm (10") Meters (cost depends on size, labour, and meter location)	Cost + 10% OH	Cost + 10% OH	y	Cost + 10% OH	N/A	To achieve full cost recovery
R84-026	510220	45519	3	Water Meter Inspection Services Note: Cost for customer requested service relating to meter investigation						
			3a)	Regular Hours Inspection	\$151.82	\$134.35	y	\$151.82	0.0%	Current fee achieves full cost recovery
			3b)	After Hours Inspection	\$189.77	\$174.29	y	\$196.95	3.8%	To achieve full cost recovery
			3c)	Same Day Inspection	\$326.72	\$300.13	y	\$339.14	3.8%	To achieve full cost recovery

Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead

For general inquiries, please call (905) 546-4426 between 8:30am - 4:30pm

2024 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS
HAMILTON WATER

For Billing Purposes
Regular Hours: M - F: 7:00am - 4:30pm
After Hours: M - F: 4:30pm - 7:00am, Weekends and Holidays

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2023 including HST (if applicable)	2024 Proposed Fee	HST (y/n)	2024 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	45608	4	Replacement Cost for Lost Meter Note: Cost to replace a meter that has been lost, stolen or damaged. Includes meter, installation and administrative costs.						
			4a)	15mm (5/8") Displacement	\$321.43	\$284.45	y	\$321.43	0.0%	Current fee achieves full cost recovery
			4b)	16mm (5/8"x3/4") Displacement	\$321.43	\$284.45	y	\$321.43	0.0%	Current fee achieves full cost recovery
			4c)	20mm (3/4") Displacement	\$386.73	\$342.24	y	\$386.73	0.0%	Current fee achieves full cost recovery
			4d)	21mm (3/4"x1") Displacement	\$386.73	\$342.24	y	\$386.73	0.0%	Current fee achieves full cost recovery
			4e)	25mm (1") Displacement	\$460.75	\$407.74	y	\$460.75	0.0%	Current fee achieves full cost recovery
			4f)	38mm (1.5") - 250mm (10") Meters (cost depends on size, labour, and meter location)	Cost + 10% OH	Cost + 10% OH	y	Cost + 10% OH	N/A	To achieve full cost recovery
R84-026	510220	45690	5	Bench Testing Water Meters Note: Cost to have a water meter tested for accuracy. If the meter tests within the accuracy standards as set out by AWWA then the property owner is responsible for the cost of the test and the replacement cost of the water meter; otherwise cost borne by the City. Fee includes removal of existing meter and installation of replacement meter.						
			5a)	15 mm & 16 mm Diameter	\$555.08	\$491.22	y	\$555.08	0.0%	Current fee achieves full cost recovery
			5b)	16-25mm Diameter - Test where meter has been removed from service within prior 90 days	\$240.52	\$222.10	y	\$250.97	4.3%	To achieve full cost recovery
			5c)	20 mm Diameter	\$631.51	\$558.86	y	\$631.51	0.0%	Current fee achieves full cost recovery
			5d)	25 mm Diameter	\$748.14	\$662.07	y	\$748.14	0.0%	Current fee achieves full cost recovery
			5e)	38 mm Diameter	\$1,536.17	\$1,359.44	y	\$1,536.17	0.0%	Current fee achieves full cost recovery
			5f)	50 mm Diameter	\$1,783.29	\$1,578.14	y	\$1,783.29	0.0%	Current fee achieves full cost recovery
			5g)	100 mm plus diameter (In Situ testing)	\$1,405.33	\$1,243.65	y	\$1,405.33	0.0%	Current fee achieves full cost recovery
10-103	510220	45644	6	Backflow Prevention Program Note: Costs for contractor registration fee, administration fees for processing backflow prevention test reports and survey forms.						
			6a)	Annual Program Registration Fee	\$175.43	\$157.49	y	\$177.96	1.4%	To achieve full cost recovery
			6b)	Test Report receipt and processing (per submission of each test report)	\$72.61	\$64.63	y	\$73.03	0.6%	To achieve full cost recovery
			6c)	Cross Connection Survey Form processing (per form upon submission)	\$207.69	\$186.23	y	\$210.44	1.3%	To achieve full cost recovery
			6d)	Backflow Prevention Device Investigation - Regular Hours	\$173.87	\$156.88	y	\$177.28	2.0%	To achieve full cost recovery
			6e)	Backflow Prevention Device Investigation - After Hours	\$238.39	\$214.35	y	\$242.22	1.6%	To achieve full cost recovery
R84-026	514330	45590	7	Construction Water Note: Charge for unmetered water used for construction prior to meter installation. Paid at the time of submitting building permit payment.						
			7a)	Single Residential (per lot or townhouse)	\$119.45	\$129.84	n	\$129.84	8.7%	Equal to variable water rate increase
			7b)	Multi-residential (per apartment/condo unit)	\$56.00	\$60.87	n	\$60.87	8.7%	Equal to variable water rate increase
			7c)	Industrial/Commercial/Institutional (\$/1,000 sqft of building area or \$/ha where no structure is constructed)	\$39.25	\$42.66	n	\$42.66	8.7%	Equal to variable water rate increase

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			8	Hydrant/Road Adaptor Fees Note: Costs to install or remove water meter & backflow prevention device. When moving a hydrant/road adaptor from one site to another for the same customer, both removal & installation fees apply. This service requires a usage deposit and a damage deposit.						
R84-026	514330	41208	8a)	Usage Cost (Metered Hauled Water Rate/m³)	\$2.94	\$3.20	n	\$3.20	8.8%	Rate is 1.5x volumetric water rate
R84-026	514330	41209	8b)	Hydrant/Road Adaptor Connection/Disconnection Fee (Regular Hours-Fee for Both Services)	\$182.21	\$187.77	n	\$187.77	3.1%	To achieve full cost recovery
R84-026	514330	41209	8c)	Hydrant/Road Adaptor Connection/Disconnection Fee (After Hours/Emergency-Fee for Both Services)	\$352.52	\$363.85	n	\$363.85	3.2%	To achieve full cost recovery
R84-026	514330	41209	8d)	Non-Refundable Usage Deposit	\$300.00	\$370.08	n	\$370.08	23.4%	To achieve full cost recovery
R84-026	514330	41209	8e)	Security/Damage Deposit	\$6,000.00	\$6,000.00	n	\$6,000.00	0.0%	Current fee achieves full cost recovery
R84-026	514330	41209	8f)	Hydrant/road adaptor rental fee for initial 7 days	\$87.56	\$89.57	n	\$89.57	2.3%	To achieve full cost recovery
R84-026	514330	41209	8g)	Per Diem hydrant/road adaptor rental fee after initial 7 days	\$6.13	\$6.27	n	\$6.27	2.3%	To achieve full cost recovery
R84-026	514330	41209	8h)	Hydrant Adaptor Backflow Prevention Device Testing (Regular Hours)	\$109.37	\$113.41	n	\$113.41	3.7%	To achieve full cost recovery
R84-026	514330	41209	8i)	Hydrant Adaptor Backflow Prevention Device Testing (After Hours / Emergency)	\$187.74	\$195.26	n	\$195.26	4.0%	To achieve full cost recovery
R84-026	514330	47244	9	Private Water Station Agreement Fees Annual Renewal	\$422.82	\$422.82	n	\$422.82	0.0%	Current fee achieves full cost recovery
R84-026	514330	47232	10	Water Haulage Fees						
			10a)	Annual Water Haulage Permit Fee Note: Annual license fee to utilize the City's public filling stations.	\$71.90	\$65.36	y	\$73.86	2.7%	To achieve full cost recovery
			10b)	Account review Note: Costs charged for administrative services to provide customer account information for personal or taxation purposes.	\$108.80	\$100.45	y	\$113.51	4.3%	To achieve full cost recovery
R84-026	510220	45519	11	General Administration Fees						
			11a)	General Administrative Requests (per hour)/Report Requests	\$79.10	\$70.00	y	\$79.10	0.0%	Current fee achieves full cost recovery
			11b)	Permit Cancellation administrative fee	\$46.67	\$41.30	y	\$46.67	0.0%	Current fee achieves full cost recovery
			11c)	Permit Renewal Fee	\$47.83	\$43.87	y	\$49.57	3.6%	To achieve full cost recovery
			11d)	Lead Line Replacement Loan Application Fee	\$65.44	\$60.37	y	\$68.22	4.2%	To achieve full cost recovery
			11e)	Monthly AMI Manual Meter Read Fee	\$3.46	\$3.13	y	\$3.54	2.3%	To achieve full cost recovery
			11f)	Water Shut-off Admin Fee	\$25.54	\$22.60	y	\$25.54	0.0%	Current fee achieves full cost recovery
			11g)	Water Shut-off Notice on Door	\$36.07	\$31.92	y	\$36.07	0.0%	Current fee achieves full cost recovery
			11h)	AMI Consumption History Fee	\$15.71	\$14.58	y	\$16.48	4.9%	To achieve full cost recovery
			11i)	NSF Fee - Processing fee on all 'returned' payments	\$43.04	\$39.78	y	\$44.95	4.4%	Current fee achieves full cost recovery
			11j)	Coupling Fee (includes cost for one 3/4" 90 meter coupling and one 3/4" straight meter coupling)	\$41.96	\$40.66	y	\$45.95	9.5%	To achieve full cost recovery
			11h)	Lost Water Meter Spacer Fee	N/A	\$11.04	y	\$12.48	0.0%	New fee at full cost recovery
			11i)	Water Meter Missed Appointment Fee	N/A	\$98.73	y	\$111.57	0.0%	New fee at full cost recovery
R84-026			12	Water Inspection Services Note: Costs associated with various permit and inspection services related to water services for properties.						
	514330	47235	12a)	Private Water Service Repair/Replacement Inspection (Reg Hours - Max 1 Hour Total Labour)	\$115.77	\$106.58	y	\$120.44	4.0%	To achieve full cost recovery
	514330	47235	12b)	Private Water Service Repair/Replacement Inspection (After Hours /Emerg - Max 1 Hour Labour)	\$197.99	\$183.56	y	\$207.42	4.8%	To achieve full cost recovery
	514330	45690	12c)	Water Service Abandonment Inspection (Regular Hours - Max 1 Hour Total Labour)	\$103.03	\$95.03	y	\$107.38	4.2%	To achieve full cost recovery
	514330	45690	12d)	Water Service Abandonment Inspection (After Hours / Emergency - Max 1 Hour Total Labour)	\$185.25	\$172.01	y	\$194.37	4.9%	To achieve full cost recovery
	514330	45690	12e)	Water Service Inspection for Demolition (Regular Hours - Max 1 Hour Total Labour)	\$103.03	\$103.89	y	\$117.40	13.9%	To achieve full cost recovery
	514330	45690	12f)	Water Service Inspection for Demolition (After Hours / Emergency - Max 1 Hour Total Labour)	\$185.25	\$191.94	y	\$216.89	17.1%	To achieve full cost recovery
	514330	45690	12g)	Missed or Cancelled Inspection	\$74.02	\$68.05	y	\$76.90	3.9%	To achieve full cost recovery

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R84-026	514330	45679	13	Turning Water Off or On Note: Turning water off at the curb to enable a property owner to complete internal plumbing repairs, or a private water service repair or replacement, and then turning the water back on.						
			13a)	Turning Water On/Off (Regular Hours)	\$136.68	\$143.08	n	\$143.08	4.7%	To achieve full cost recovery
			13b)	Turning Water On/Off (After Hours/Emergency)	\$230.82	\$243.07	n	\$243.07	5.3%	To achieve full cost recovery
			13c)	Turning Water On/Off During the Same Visit (Regular Hours - Max 1/2 Hour Total Labour)	\$91.18	\$95.03	n	\$95.03	4.2%	To achieve full cost recovery
			143)	Turning Water On/Off During the Same Visit (After Hours/Emerg - Max 1/2 Hour Total Labour)	\$125.41	\$131.53	n	\$131.53	4.9%	To achieve full cost recovery
			13e)	Non-compliance Turn Water Off	\$91.18	\$95.91	n	\$95.91	5.2%	To achieve full cost recovery
			13f)	Non-compliance Turn Water On	\$91.18	\$95.91	n	\$95.91	5.2%	To achieve full cost recovery
R84-026	514330	45636	14	Hydrant Flow Test / Water Quality Flushing Note: Cost to operate a City Fire Hydrant(s) for a maximum of 1 hour total labour.	\$114.65	\$122.01	y	\$137.87	20.3%	To achieve full cost recovery
R84-026	514330	45690	15	Water Quality/Quantity Service Calls Note: Cost for a service call to investigate a water quality/quantity complaint and the issue resides on private property. No charge for water quality/quantity complaints related to issues originating from the City's distribution system. <u>Missed appointments will be billed</u> the corresponding service call rate.						
			15a)	Service Call (Regular Hours - Max 1 Hour Total Labour)	\$103.03	\$95.03	y	\$107.38	4.2%	To achieve full cost recovery
			15b)	Service Call (After Hours - Max 1 Hour Total Labour)	\$185.25	\$172.01	y	\$194.37	4.9%	To achieve full cost recovery
R84-026	510290	45690	16	Hydrant Repair, Replace or Relocate Note: Cost to repair, replace, or relocate a City Fire Hydrant including labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
R84-026	514330	45690	17	Watermain Shutdowns Note: Costs associated with isolating a watermain to facilitate third party work.						
			17a)	Watermain Shutdown / Recharge (Regular Hours-Maximum 1 Hour Total Labour)	\$142.56	\$149.00	n	\$149.00	4.5%	To achieve full cost recovery
			17b)	Watermain Shutdown / Recharge (After Hours / Emergency-Maximum 1 Hour Total Labour)	\$258.09	\$271.99	n	\$271.99	5.4%	To achieve full cost recovery
R84-026	510350	45408	18	Environmental Records Search PRISM Reports related to soil contamination Reports - Environmental Assessments and Master Plans - plus fee per page	\$188.79 \$18.56 \$0.12	\$170.92 \$16.80 \$0.10	y y y	\$193.14 \$18.98 \$0.12	2.3% 2.3% 0.0%	To achieve full cost recovery To achieve full cost recovery Current fee achieves full cost recovery
R84-026	514330	45690	19	Miscellaneous Water Distribution System Repair Note: Cost for the City to repair damage to the water distribution system caused by a third party. Costs include labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
R84-026	514330	45690	20	Additional Labour Charges Note: Additional labour charge for all services/calls that exceed the allotted labour time. Costs are for a single Water Distribution Operator in minimum increments of 30 minutes.						
			20a)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$40.33	\$36.98	y	\$41.79	3.6%	To achieve full cost recovery
			20b)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$54.84	\$50.47	y	\$57.03	4.0%	To achieve full cost recovery
R84-026			21	Inspection of ICI and Multi-Residential Private Water asset infrastructure repair/replacements. Note: Costs associated with the inspection of ICI and Multi-Residential private water asset infrastructure repair/replacements.						
	514330	47230	21a)	Private Water Service Repair/Replacement Inspection (Reg Hours - Min. 1 Hour Total Labour) - Contract Inspector	\$119.76	\$105.98	y	\$119.76	0.0%	Current fee achieves full cost recovery
	514330	47230	21b)	Private Water Service Repair/Replacement Inspection (After Hours /Emerg - Min. 2 Hour Labour) - Contract Inspector	\$258.28	\$228.57	y	\$258.28	0.0%	Current fee achieves full cost recovery
	514330	45690	21c)	Private Water Service Repair/Replacement Inspection (Missed Calls) - Contract Inspector	\$85.13	\$75.34	y	\$85.13	0.0%	Current fee achieves full cost recovery

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06-026			1	COLLECTION SYSTEM INSPECTION & MAINTENANCE Wastewater Inspection Services Note: Costs associated with various permit and inspection services related to sewer laterals for properties.						
	516175	47230	1a)	Private Sewer Lateral Repair/Replacement Inspection (Regular Hours - Maximum 1 Hour Total Labour)	\$119.76	\$108.02	y	\$122.06	1.9%	To achieve full cost recovery
	516175	47230	1b)	Private Sewer Lateral Repair/Replacement Inspection (After Hours / Emergency - Maximum 1 Hour Total Labour)	\$258.28	\$233.68	y	\$264.06	2.2%	To achieve full cost recovery
	516175	45690	1c)	Missed or Cancelled Inspection	\$85.13	\$76.60	y	\$86.56	1.7%	To achieve full cost recovery
	516175	45690	1d)	Mainline Sewer Inspection Note: CCTV inspection of mainline sewers (storm, sanitary or combined). Cost based on linear meter inspection.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
06-026	516175	45690	2	Sewer Related Service Calls Note: Cost for a service call to investigate a sewer related complaint and the issue resides on private property. No charge for sewer complaints related to issues originating from the City's sewer system. Missed appointments will be billed the corresponding service call rate.						
			2a)	Service Call (Regular Hours - Maximum 1 Hour Total Labour)	\$107.09	\$96.52	y	\$109.07	1.8%	To achieve full cost recovery
			2b)	Service Call (After Hours - Maximum 1 Hour Total Labour)	\$220.25	\$199.18	y	\$225.07	2.2%	To achieve full cost recovery
06-026	516175	45690	3	Sewer Lateral Cleaning and Investigation Fees Note: When a property owner qualifies for the Sewer Lateral Management Program and chooses to hire their own Plumbing Contractor, these prices represent the maximum amounts that will be reimbursed to the property owner for the sewer lateral cleaning and investigation services performed by the independent Plumbing Contractor						
			3a)	Complete Sewer Lateral Investigation - Regular Hours	\$477.20	\$422.30	y	\$477.20	0.0%	Current fee achieves full cost recovery
			3b)	Complete Sewer Lateral Investigation - After Hours	\$579.13	\$522.75	y	\$590.71	2.0%	To achieve full cost recovery
			3c)	Partial Sewer Lateral Cleaning - Regular Hours	\$279.68	\$252.45	y	\$285.27	2.0%	To achieve full cost recovery
			3d)	Partial Sewer Lateral Cleaning - After Hours	\$361.60	\$326.40	y	\$368.83	2.0%	To achieve full cost recovery
			3e)	Abandoned Sewer Lateral Investigation - Regular Hours	\$409.63	\$369.75	y	\$417.82	2.0%	To achieve full cost recovery
			3f)	Abandoned Sewer Lateral Investigation - After Hours	\$409.63	\$369.75	y	\$417.82	2.0%	To achieve full cost recovery
06-026	516175	45690	4	Miscellaneous Wastewater Collection System Repair Note: Cost for the City to repair damage to the wastewater collection system caused by a third party. Costs include labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
06-026	516175	45690	5	Additional Labour Charges Note: Additional labour charge for all services/calls that exceed the allotted labour time. Costs are for a single Wastewater Collection Operator or Contract Inspector in minimum increments of 30 minutes.						
			5a)	1/2 Hour Additional Labour (Regular Hours) - Wastewater Collection	\$39.60	\$35.04	y	\$39.60	0.0%	Current fee achieves full cost recovery
			5b)	1/2 Hour Additional Labour (After Hours) - Wastewater Collection	\$53.74	\$47.56	y	\$53.74	0.0%	Current fee achieves full cost recovery

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LABORATORY SERVICES									
510250	45519		Inorganic Tests:						
		1	Solids						
		1a)	Total Suspended Solids (TSS)	\$25.76	\$25.70	y	\$29.04	12.7%	To achieve full cost recovery
		1b)	TSS plus Volatile Suspended Solids (VSS)	\$26.89	\$26.20	y	\$29.61	10.1%	To achieve full cost recovery
		1c)	Total Solids (TS)	\$23.28	\$24.40	y	\$27.57	18.4%	To achieve full cost recovery
		1d)	TS plus Volatile Solids (VS)	\$24.63	\$24.90	y	\$28.14	14.2%	To achieve full cost recovery
		1e)	Total Dissolved Solids	\$39.55	\$35.70	y	\$40.34	2.0%	To achieve full cost recovery
		2	Skalar						
		2a)	Total Cyanide	\$46.33	\$42.00	y	\$47.46	2.4%	To achieve full cost recovery
		2b)	Phenolics	\$41.70	\$39.50	y	\$44.64	7.0%	To achieve full cost recovery
		2c)	Total Kjeldhal Nitrogen (TKN)	\$39.10	\$36.30	y	\$41.02	4.9%	To achieve full cost recovery
		2d)	Ammonia	\$39.10	\$34.60	y	\$39.10	0.0%	Current fee achieves full cost recovery
		2e)	Dissolved Organic Carbon	\$46.22	\$42.40	y	\$47.91	3.7%	To achieve full cost recovery
		2f)	Total Organic Carbon	\$46.22	\$41.30	y	\$46.67	1.0%	To achieve full cost recovery
		2g)	Reactive Silica	\$38.31	\$34.30	y	\$38.76	1.2%	To achieve full cost recovery
510250	45519	3	Ion Chromatography (IC Scan)	\$56.95	\$50.40	y	\$56.95	0.0%	Current fee achieves full cost recovery
510250	45519	4	PC Titrate						
		4a)	pH	\$20.00	\$19.40	y	\$21.92	9.6%	To achieve full cost recovery
		4b)	Alkalinity	\$20.45	\$19.90	y	\$22.49	9.9%	To achieve full cost recovery
		4c)	Conductivity	\$19.89	\$19.20	y	\$21.70	9.1%	To achieve full cost recovery
		4d)	Fluoride	\$28.82	\$27.20	y	\$30.74	6.7%	To achieve full cost recovery
		5	Turbidity	\$32.77	\$30.60	y	\$34.58	5.5%	To achieve full cost recovery
		6	UV Transmittance	\$31.53	\$28.10	y	\$31.75	0.7%	To achieve full cost recovery
		7	Color Apparent	\$28.70	\$25.40	y	\$28.70	0.0%	To achieve full cost recovery
		8	Color True	\$26.78	\$27.00	y	\$30.51	13.9%	To achieve full cost recovery
		9	O Phosphate	\$35.93	\$36.80	y	\$41.58	15.7%	To achieve full cost recovery
		10	Dissolved O Phosphate	\$37.97	\$38.50	y	\$43.51	14.6%	To achieve full cost recovery
		11	Chemical Oxygen Demand (COD)	\$43.96	\$39.80	y	\$44.97	2.3%	To achieve full cost recovery
		12	Biochemical Oxygen Demand (BOD)	\$42.60	\$38.30	y	\$43.28	1.6%	To achieve full cost recovery
Microbiology Tests:									
510250	45519	13	Total Coliform/E coli - Presence/Absence	\$32.54	\$30.80	y	\$34.80	6.9%	To achieve full cost recovery
510250	45519	14	Total Coliform/E coli - MPN	\$35.26	\$33.00	y	\$37.29	5.8%	To achieve full cost recovery
510250	45519	15	EC - MPN	\$35.26	\$33.00	y	\$37.29	5.8%	To achieve full cost recovery
510250	45519	16	Heterotrophic Plate Count	\$33.56	\$32.20	y	\$36.39	8.4%	To achieve full cost recovery
510250	45519	17	Micro Examination	\$182.38	\$167.50	y	\$189.28	3.8%	To achieve full cost recovery
510250	45519	18	Microcystin	\$622.63	\$586.50	y	\$662.75	6.4%	To achieve full cost recovery
Metals:									
510250	45519	18	ICP OES						
		18a)	ICP OES Scan (Wastewater)	\$81.70	\$74.40	y	\$84.07	2.9%	To achieve full cost recovery
		18b)	Total Phosphorous	\$32.32	\$29.00	y	\$32.77	1.4%	To achieve full cost recovery
		18c)	Total Dissolved Phosphorous	\$32.32	\$30.10	y	\$34.01	5.2%	To achieve full cost recovery

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510250	45519	19 19a)	ICP MS ICP MS Scan	\$81.70	\$74.40	y	\$84.07	2.9%	To achieve full cost recovery
510250	45519	20 20a)	AA Mercury	\$57.52	\$52.20	y	\$58.99	2.6%	To achieve full cost recovery
510250	45519	21 21a)	Organics Caffeine	\$165.77	\$150.30	y	\$169.84	2.5%	To achieve full cost recovery
510250	45519	22 22a)	Additional Fees Weekend surcharge	\$113.00	\$100.00	y	\$113.00	0.0%	Current fee achieves full cost recovery

Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead

For general inquiries, please call 905 546 2424 ext 5834

2024 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS
 HAMILTON WATER

For Billing Purposes
 Regular Hours: M - F: 7:00am - 4:30pm
 After Hours: M - F: 4:30pm - 7:00am, Weekends and Holidays

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2023 including HST (if applicable)	2024 Proposed Fee	HST (y/n)	2024 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				ENVIRONMENTAL MONITORING & ENFORCEMENT To Regulate the Discharge of any Matter into the Sanitary, Combined, and Storm Sewer Systems.						
14-090	516175	47232	1	Annual Permit to Discharge Hauled Sewage Note: Cost for administration and processing of annual permits required to haul sewage within Hamilton	\$347.40	\$360.19	n	\$360.19	3.7%	To achieve full cost recovery
			2	Discharge fees for Hauled Sewage generated: Inside the City - Compliant Note: Cost per truck full of sewage containing materials within Sewer Use By-law limits						
14-090	516175	41314	2a)	up to 1000 imperial gallons (4.54 m3) or any part thereof	\$54.11	\$55.36	n	\$55.36	2.3%	To achieve full cost recovery
14-090	516175	41314	2b)	greater than 1000 (4.54 m3) but less than or equal to 3500 Imperial gallons (15.9m3)	\$54.11	\$55.36	n	\$55.36	2.3%	To achieve full cost recovery
14-090	516175	41314	2c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$108.21	\$110.70	n	\$110.70	2.3%	To achieve full cost recovery
14-090	516175	41314	2d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$162.32	\$166.06	n	\$166.06	2.3%	To achieve full cost recovery
14-090	516175	41314	2e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$216.42	\$221.40	n	\$221.40	2.3%	To achieve full cost recovery
			3	Discharge fees for Hauled Sewage generated: Inside the City - Non-Compliant Note: Cost per truck full of sewage containing materials that exceed one or more Sewer Use By-law limits						
14-090	516175	41314	3a)	up to 1000 imperial gallons (4.54 m3) or any part thereof	\$54.11	\$55.36	n	\$55.36	2.3%	To achieve full cost recovery
14-090	516175	41314	3b)	greater than 1000 (4.54 m3) but less than or equal to 3500 Imperial gallons (15.9m3)	\$108.21	\$110.70	n	\$110.70	2.3%	To achieve full cost recovery
14-090	516175	41314	3c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$162.32	\$166.06	n	\$166.06	2.3%	To achieve full cost recovery
14-090	516175	41314	3d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$270.53	\$276.75	n	\$276.75	2.3%	To achieve full cost recovery
14-090	516175	41314	3e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$324.64	\$332.11	n	\$332.11	2.3%	To achieve full cost recovery
14-090	516175	41314	4	Holding Tanks for Recreational Vehicles Note: Cost for Recreational Vehicles (RV's) to dump sewer waste at the Mountain Transfer Station	\$8.50	\$9.00	n	\$9.00	5.9%	To achieve full cost recovery
			5	Overstrength Discharge Fees Note: Cost per kilogram of each specified parameter that is in excess of Sewer Use By-law limits, and subject to a Sewer Discharge Permit						
14-090	516080	41315	5a)	Biochemical Oxygen Demand (charge per kg)	\$0.83	\$0.85	n	\$0.85	2.3%	To achieve full cost recovery
14-090	516080	41315	5b)	Total suspended solids (charge per kg)	\$0.67	\$0.69	n	\$0.69	2.3%	To achieve full cost recovery
14-090	516080	41315	5c)	Oil & grease (animal/vegetable) (charge per kg)	\$0.47	\$0.48	n	\$0.48	2.3%	To achieve full cost recovery
14-090	516080	41315	5d)	Total Kjeldahl Nitrogen (charge per kg)	\$1.06	\$1.08	n	\$1.08	2.3%	To achieve full cost recovery
14-090	516080	41315	5e)	Total Phosphorus (charge per kg)	\$2.24	\$2.29	n	\$2.29	2.3%	To achieve full cost recovery
14-090	516080	41317	6	Surcharge Discharge Fee (charge per m3)	\$1.96	\$2.15	n	\$2.15	9.7%	Equal to variable wastewater rate increase

Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead

For general inquiries, please call 905-540-5190 or email sewerusebylaw@hamilton.ca

2024 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

For Billing Purposes
Regular Hours: M - F: 7:00am - 4:30pm
After Hours: M - F: 4:30pm - 7:00am, Weekends and Holidays

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2023 including HST (if applicable)	2024 Proposed Fee	HST (y/n)	2024 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
			7	Application Fees for Sewer Discharge Permits NOTE: Fee to be paid upon application for Sewer Discharge Permit						
14-090	510260	45519	7a)	Application Fee	\$806.21	\$734.67	y	\$830.17	3.0%	To achieve full cost recovery
14-090	510260	45519	7b)	Wastewater Characterization deposit (optional)	\$500.00	\$500.00	n	\$500.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45519	7c)	Amendment Fee (all permit types)	\$374.35	\$343.70	y	\$388.38	3.7%	To achieve full cost recovery
			8	Administrative Fees for Sewer Discharge Permits Note: Multiple permit holders pay the higher administration fee (for example, if the permit holder has both an Overstrength Discharge Permit and a Compliance Program Permit, they will pay \$810.00 per quarter)						
14-090	510260	45532	8a)	Overstrength Discharge Permit (charged quarterly)	\$451.10	\$461.47	n	\$461.47	2.3%	To achieve full cost recovery
14-090	510260	45532	8b)	Sanitary Discharge Permit (charged quarterly)	\$451.10	\$461.47	n	\$461.47	2.3%	To achieve full cost recovery
14-090	510260	45532	8c)	Chloride Discharge Permit (charged quarterly)	\$451.10	\$461.47	n	\$461.47	2.3%	To achieve full cost recovery
14-090	510260	45532	8d)	Compliance Discharge Permit (charged quarterly)	\$1,116.85	\$1,142.54	n	\$1,142.54	2.3%	To achieve full cost recovery
14-090	510260	45532	8e)	Conditional Discharge Permit (charged quarterly)	\$1,116.85	\$1,142.54	n	\$1,142.54	2.3%	To achieve full cost recovery
14-090	510260	45532	8f)	Construction Dewatering Discharge Permit (charged quarterly)	\$451.10	\$461.47	n	\$461.47	2.3%	To achieve full cost recovery
14-090	510260	45519	9	Information Requests Note: Fee per property for records search related to Sewer Use By-law historical violations	\$229.36	\$207.64	y	\$234.63	2.3%	To achieve full cost recovery
14-090	510260	45532	10	Wastewater Sampling (optional) Note: Per unit costs to conduct wastewater sampling to determine permit conditions and limits						
			10a)	Wastewater Sampling Vehicle Fee (per kilometer)	\$1.46	\$1.33	y	\$1.50	2.3%	To achieve full cost recovery
			10b)	Wastewater Sampling Equipment Fee (per day)	\$47.42	\$42.93	y	\$48.51	2.3%	To achieve full cost recovery
			10c)	Wastewater Sampling Technician Fee (per hour) Mon - Fri	\$60.29	\$54.58	y	\$61.68	2.3%	To achieve full cost recovery
			10d)	Wastewater Sampling Technician Fee (per hour) Sat	\$90.43	\$81.87	y	\$92.51	2.3%	To achieve full cost recovery
			10e)	Wastewater Sampling Technician Fee (per hour) Sun	\$120.58	\$109.16	y	\$123.35	2.3%	To achieve full cost recovery
				*multiple permit holders pay the higher administrative fee (for example, if the permit holder has both an Overstrength Discharge Permit and a Compliance Program Permit, they will pay \$1,142.54 per quarter).						

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For general inquiries, please call 905-540-5190 or email sewerusebylaw@hamilton.ca

2024 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS
HAMILTON WATER

For Billing Purposes
Regular Hours: M - F: 7:00am - 4:30pm
After Hours: M - F: 4:30pm - 7:00am, Weekends and Holidays

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2023 including HST (if applicable)	2024 Proposed Fee	HST (y/n)	2024 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				ENVIRONMENTAL MONITORING & ENFORCEMENT Fees related to the Wastewater Abatement Program						
03-272	510260	45532	1	Application Fee (plus cost recovery for peer review if required)	\$512.08	\$468.39	y	\$529.28	3.4%	To achieve full cost recovery
03-272	510260	45532	2	Annual Administration Fee	\$955.03	\$864.59	y	\$976.99	2.3%	To achieve full cost recovery

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For general inquiries, please call 905-540-5190 or email sewerusebylaw@hamilton.ca

Appendix "H" to Report FCS23100
Page 1 of 1

SOURCE OF CAPITAL FINANCING
2024 to 2033 RATE PROGRAM CAPITAL BUDGET
\$(000'S)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2024 to 2033
TOTAL RATE PROGRAM											
Capital Program	285,872	373,954	410,314	511,620	502,038	489,686	369,641	342,293	384,643	467,381	4,137,442
<u>Source of Funding</u>											
Subsidy/Other Revenue	7,040	31,506	10,734	10,775	9,095	7,395	11,135	8,935	6,775	75	103,465
Development Charges	56,015	83,181	113,897	128,692	116,893	106,589	54,042	11,564	47,929	91,789	810,591
Reserves & Other Internal Sources	48,078	4,250	5,250	5,250	1,150	-	-	-	-	-	63,978
Contribution from Operating	134,870	151,221	164,024	178,031	177,032	198,039	230,939	271,026	324,643	375,517	2,205,342
External Debt	39,869	103,796	116,409	188,872	197,868	177,663	73,524	50,769	5,296	-	954,066
Total	285,872	373,954	410,314	511,620	502,038	489,686	369,641	342,293	384,643	467,381	4,137,442

Note: Development Charges are inclusive of Debt. The DC Debt amount is \$30.6 M in 2024 and \$685.1 M from 2024 - 2033.

**Appendix "I" to Report FCS23100
Page 1 of 1**

**CITY OF HAMILTON
2024 - 2033 WATER / WASTEWATER / STORM CAPITAL FINANCING PLAN
(\$'s)**

	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>	<u>2033</u>	<u>2024 - 2033</u>
NET EXPENDITURES FORECAST												
WASTEWATER (NET)	61,123,440	72,983,300	93,021,500	92,036,710	136,893,300	152,618,300	168,610,800	123,806,853	117,024,137	116,637,274	162,506,779	1,236,138,953
WATER (NET)	72,300,080	75,898,097	118,530,249	146,700,312	159,544,759	167,016,713	161,532,213	136,774,500	132,835,250	137,068,500	83,442,525	1,319,343,117
STORM (NET)	14,822,000	25,858,000	38,015,000	30,246,000	52,465,000	55,265,000	45,559,000	43,882,080	71,934,880	76,233,440	129,567,600	569,026,000
TOTAL NET EXPENDITURES	148,245,520	174,739,397	249,566,749	268,983,022	348,903,059	374,900,013	375,702,013	304,463,433	321,794,267	329,939,214	375,516,904	3,124,508,070
SOURCE OF FINANCING												
DEBT ISSUES	14,892,398	39,869,133	103,796,075	116,408,910	188,871,856	197,867,574	177,663,236	73,524,369	50,768,582	5,296,375	-	954,066,110
TRANSFER FROM OPERATING	133,353,122	134,870,264	145,770,674	152,574,112	160,031,203	177,032,439	198,038,777	230,939,064	271,025,685	324,642,839	375,516,904	2,170,441,960
TOTAL CAPITAL FINANCING	148,245,520	174,739,397	249,566,749	268,983,022	348,903,059	374,900,013	375,702,013	304,463,433	321,794,267	329,939,214	375,516,904	3,124,508,070
OPERATING BUDGET IMPACT												
TRANSFER FROM OPERATING	133,353,122	134,870,264	145,770,674	152,574,112	160,031,203	177,032,439	198,038,777	230,939,064	271,025,685	324,642,839	375,516,904	2,170,441,960
DC EXEMPTION FUNDING	9,000,000	20,194,760	27,011,026	33,852,028	40,718,400	41,760,791	42,829,867	43,926,312	45,050,826	46,204,127	47,386,952	388,935,089
DEBT CHARGES (NET)	18,166,746	22,610,790	33,925,922	47,818,040	63,869,961	80,010,036	95,442,750	103,188,303	108,171,599	105,861,933	105,962,687	766,862,022
TOTAL CAPITAL FINANCING COSTS	160,519,868	177,675,814	206,707,622	234,244,181	264,619,564	298,803,266	336,311,393	378,053,679	424,248,109	476,708,898	528,866,544	3,326,239,070

CITY OF HAMILTON 2024-2033 CAPITAL BUDGET FINANCING PLAN RATE SUPPORTED PROGRAM - AFFORDABLE / UNAFFORDABLE \$(000's)							
Year	Projected Gross Cost	Affordable Gross Cost	Subsidy/ Other Revenue	Dev't Charges	Reserves/ & Internal Sources	FINANCING SOURCES	
						Contribution From Operating	External Debt
	\$	\$	\$	\$	\$	\$	\$
2024	285,872	285,872	7,040	56,015	48,078	134,870	39,869
2025	373,954	373,954	31,506	83,181	4,250	151,221	103,796
2026	410,314	410,314	10,734	113,897	5,250	164,024	116,409
2027-2033	3,067,302	3,067,302	54,185	557,498	6,400	1,755,227	693,992
TOTAL	4,137,442	4,137,442	103,465	810,591	63,978	2,205,342	954,066

Appendix "J" to Report FCS23100
Page 1 of 1

SOURCE OF CAPITAL FINANCING
2024 to 2033 RATE PROGRAM CAPITAL BUDGET
\$(000'S)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2024 to 2033
WATER											
Capital Program	128,269	166,464	196,582	188,888	184,751	167,696	143,729	138,723	180,171	170,365	1,665,636
<u>Source of Funding</u>											
Subsidy/Other Revenue	7,040	-	-	-	-	-	-	-	-	-	7,040
Development Charges	13,387	47,933	49,881	29,343	17,734	6,164	6,955	5,888	43,103	86,923	307,309
Reserves & Other Internal Sources	31,944	-	-	-	-	-	-	-	-	-	31,944
Contribution from Operating	61,898	74,734	90,291	74,545	66,849	72,869	101,775	109,835	134,069	83,443	870,307
External Debt	14,000	43,796	56,409	85,000	100,168	88,663	35,000	23,000	3,000	-	449,036
Total	128,269	166,464	196,582	188,888	184,751	167,696	143,729	138,723	180,171	170,365	1,665,636

City of Hamilton
Water System
2024 Capital Budget Project List
(\$)

Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Coordinated - Network Extension	5142171328	Southcote - Garner to Highway 403 Bridge	500,000	-	-	250,000	-	-	250,000	250,000	-
	5142480388	Lewis - Barton to Hwy 8	750,000	-	-	750,000	-	-	-	-	-
Coordinated - Network Extension Total			1,250,000	-	-	1,000,000	-	-	250,000	250,000	-
Coordinated - Other	5142399999	Rates Projects Included in Tax Budget - NOT TO BE SET UP IN PEOPLESOFT	300,000	-	-	-	-	-	300,000	300,000	-
	5142467057	Soil Remediation - Water Reservoir Sites	3,330,000	-	-	-	-	-	3,330,000	3,330,000	-
Coordinated - Other Total			3,630,000	-	-	-	-	-	3,630,000	3,630,000	-
Coordinated - Replacement	5142171310	Barton - Parkdale to Talbot	240,000	-	-	-	-	-	240,000	240,000	-
	5142471304	Ferguson/Foster/Walnut/Patrick/Charlton/James	500,000	-	-	-	-	-	500,000	500,000	-
	5142471307	Duke - Hess to west end & Robinson - Queen to west end	50,000	-	-	-	-	-	50,000	50,000	-
	5142480584	RHBP - Nebo - Rymal to Twenty	810,000	-	-	-	-	-	810,000	810,000	-
Coordinated - Replacement Total			1,600,000	-	-	-	-	-	1,600,000	1,600,000	-
Coordinated - Upgrade	5141971313	Sherman - King to south end (LRT Enabling)	180,000	50,000	-	-	-	-	130,000	130,000	-
	5141971314	Wentworth - Wilson to King (LRT Enabling)	266,000	260,000	-	-	-	-	6,000	6,000	-
	5141971315	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling)	7,530,000	6,730,000	-	-	-	-	800,000	800,000	-
	5142070015	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling)	165,000	-	-	-	-	-	165,000	165,000	-
	5142363277	Hwy 5 and 6 MTO Interchange Strategic Upsizing of Existing Watermains	1,240,000	-	-	-	-	-	1,240,000	1,240,000	-
Coordinated - Upgrade Total			9,381,000	7,040,000	-	-	-	-	2,341,000	2,341,000	-
Demolition / Disposal	5142067420	St. Joseph's Tank Pulsation Dampener (HD002STK)	450,000	-	-	-	-	-	450,000	450,000	-
Demolition / Disposal Total			450,000	-	-	-	-	-	450,000	450,000	-
Enhancement	5142166608	Lynden Water System - Phase 2 Treatment	300,000	-	-	-	-	-	300,000	300,000	-
Enhancement Total			300,000	-	-	-	-	-	300,000	300,000	-
Expansion / Extension	5142320499	City Initiated Subsurface Priorities Coordinated or Integrated with LRT	3,010,000	-	-	1,505,000	-	-	1,505,000	1,505,000	-
	5142467423	Freelton Well (FDF01) Capacity Increase	880,000	-	-	-	-	880,000	-	-	-
	5142496850	Locke St Trunk Watermain - Main to York (W-19)	180,000	-	-	180,000	-	-	-	-	-
Expansion / Extension Total			4,070,000	-	-	1,685,000	-	880,000	1,505,000	1,505,000	-
Feasibility Plans / EA's/ Studies	5142257800	Water Facility Asset Management Implementation Plan	110,000	-	-	-	-	-	110,000	110,000	-
	5142355010	Water Systems Planning Program	670,000	-	-	-	-	-	670,000	670,000	-
	5142355247	Alterations to the Drinking Water System	180,000	-	-	-	-	-	180,000	180,000	-
	5142355340	Water Distribution Studies	300,000	-	-	-	-	-	300,000	300,000	-
	5142355556	Mapping Update Program	130,000	-	-	-	-	90,000	40,000	40,000	-
	5142355851	Water Efficiency Plan/Program	120,000	-	-	-	-	102,000	18,000	18,000	-
	5142366711	Water Treatment Studies Program	300,000	-	-	-	-	-	300,000	300,000	-
	5142367752	Water Outstations Inspections - Asset Management	650,000	-	-	-	-	-	650,000	650,000	-
	5142406222	Lake Ontario Monitoring & Modelling	200,000	-	-	-	-	-	200,000	200,000	-
	5142455789	Plant Maintenance and Reliability Studies	150,000	-	-	-	-	-	150,000	150,000	-
	5142480486	Red Hill Business Park South Servicing Study - Water/Wasterwater	200,000	-	-	200,000	-	-	-	-	-
	5142495850	Greenhill Water Pumping Station Class Environmental Assessment	1,100,000	-	-	-	-	-	1,100,000	1,100,000	-
	Feasibility Plans / EA's/ Studies Total			4,110,000	-	-	200,000	-	192,000	3,718,000	3,718,000
Licenses	5142362073	Field Data Systems Program	169,000	-	-	-	-	59,000	110,000	110,000	-
Licenses Total			169,000	-	-	-	-	59,000	110,000	110,000	-
Network Extension	5142480480	Fletcher Road Watermain - Binbrook Rd to Pumpkin Pass	389,000	-	-	389,000	-	-	-	-	-
	5142480485	Glancaster Rd Watermain - Rymal Rd to Twenty Rd	200,000	-	-	200,000	-	-	-	-	-
Network Extension Total			589,000	-	-	589,000	-	-	-	-	-

City of Hamilton
Water System
2024 Capital Budget Project List
(\$)

Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
New	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	5,300,000	-	-	5,300,000	-	-	-	-	-
	5141895852	Carlisle Water Supply System - Additional Water Storage (CASH FLOWED)	150,000	-	-	-	-	-	150,000	150,000	-
	5142167840	PD9 & PD10 East Stoney Creek Booster Pumping Station	3,150,000	-	-	-	-	-	3,150,000	-	3,150,000
	5142351110	Fleet Additions	1,375,000	-	-	-	-	875,000	500,000	500,000	-
	5142361502	Water Meter - Installation/Replacement/Repair - General Maintenance	4,015,000	-	-	-	-	700,000	3,315,000	3,315,000	-
	5142441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	375,000	-	-	-	-	-	375,000	375,000	-
	5142460550	Utility Locate Program - Vehicle & Equipment	900,000	-	-	-	900,000	-	-	-	-
	5142495552	P.S. HD07A - New District 7 (Elfrida area) Pumping Station (W-21)	290,000	-	-	290,000	-	-	-	-	-
New Total			15,555,000	-	-	5,590,000	900,000	1,575,000	7,490,000	4,340,000	3,150,000
Rehabilitation / Renovation	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	3,110,000	-	-	-	-	750,000	2,360,000	2,360,000	-
	5141567520	Stone Church/Garth Water (HDR05) Reservoir	4,175,000	-	-	-	-	-	4,175,000	135,000	4,040,000
	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-26) (CASH FLOWED)	75,000	-	-	67,500	-	-	7,500	7,500	-
	5141760754	Kenilworth Transmission Watermain Renewal	500,000	-	-	-	-	-	500,000	500,000	-
	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	4,570,000	-	-	1,801,951	-	-	2,768,049	2,768,049	-
	5141967375	HDR01 Kenilworth and HDR1C Ben Nevis Reservoir Upgrades	250,000	-	-	-	-	-	250,000	250,000	-
	5141995951	Binbrook HD019 PS Capacity Expansion (W-20) & Binbrook Tower HDT23 Upgrades	820,000	-	-	820,000	-	-	-	-	-
	5142067450	Lee Smith Reservoir (HDR00) Upgrades	825,000	-	-	-	-	-	825,000	825,000	-
	5142166110	Water Treatment Plant Phase 2A Water Quality Upgrades (UV Disinfection, Filters & Chlorine Building)	6,810,000	-	-	-	-	-	6,810,000	-	6,810,000
	5142167420	HDR18 Glancaster Reservoir Upgrades	1,200,000	-	-	-	-	-	1,200,000	1,200,000	-
	5142167421	HDR11 Woodley Lane Reservoir Upgrades	1,200,000	-	-	-	-	-	1,200,000	1,200,000	-
	5142266320	Woodward Water Treatment Plant - Low Lift Pumping Station Intake Repairs	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-
	5142267585	Diesel Fuel Storage Compliance Upgrades	1,200,000	-	-	-	-	-	1,200,000	1,200,000	-
	5142311101	Road Cut Restoration Program	8,215,000	-	-	-	-	8,215,000	-	-	-
	5142357626	Critical Watermain Inspection Program	1,800,000	-	-	-	-	-	600,000	600,000	-
	5142360072	Watermain Structural Lining	7,500,000	-	-	-	-	7,500,000	-	-	-
	5142360330	Water Distribution Capital Repairs, Replacement and New Installation Parts	1,700,000	-	-	-	-	-	1,700,000	1,700,000	-
	5142361741	Resetting or Adjusting of Water Utility Structures	250,000	-	-	-	-	-	250,000	250,000	-
	5142366712	Water Maintenance - Rebuild, Replacement and New Capital	700,000	-	-	-	-	639,952	60,048	60,048	-
	5142366713	Water Maintenance Capital Program	2,500,000	-	-	-	-	1,470,000	1,030,000	1,030,000	-
	5142367187	Bulk Water Stations Upgrades	200,000	-	-	-	-	-	200,000	200,000	-
	5142441413	Brampton Street Facility office rehabilitation	6,050,000	-	-	1,633,500	-	-	4,416,500	4,416,500	-
	5142466450	Woodward WTP - HLPS Large Valve Upgrades & Sedimentation Tank Concrete Restorations	1,370,000	-	-	-	-	-	1,370,000	1,370,000	-
5142466710	Miscellaneous Roof Replacement at Hamilton Water Facilities	100,000	-	-	-	-	-	100,000	100,000	-	
5142467221	Scenic Drive Reservoir New Access and Structural/Restoration Upgrades	4,300,000	-	-	-	-	-	4,300,000	4,300,000	-	
5142467586	HD06B Tunbridge & HD018/HDR18 Underground Diesel Storage Tanks	150,000	-	-	-	-	-	150,000	150,000	-	
Rehabilitation / Renovation Total			60,570,000	-	-	4,322,951	-	19,774,952	36,472,097	25,622,097	10,850,000

City of Hamilton
 Water System
 2024 Capital Budget Project List
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Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Replacement	5142066310	WTP Pre-Treatment Isolation Valves	675,000	-	-	-	-	-	675,000	675,000	-
	5142201967	New Water WW Billing Services	5,000,000	-	-	-	-	5,000,000	5,000,000	5,000,000	-
	5142349555	QA-QC Service Contract Program	315,000	-	-	-	-	315,000	-	-	-
	5142360080	Valve Replacement Program	2,400,000	-	-	-	-	2,400,000	-	-	-
	5142360750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	5,000,000	-	-	-	-	1,250,000	3,750,000	3,750,000	-
	5142362078	Substandard Water Service Replacement Program	2,500,000	-	-	-	-	-	2,500,000	2,500,000	-
	5142366151	SCADA Maintenance Program	275,000	-	-	-	-	-	275,000	275,000	-
	5142461302	Bold - Queen to Locke	700,000	-	-	-	-	-	700,000	700,000	-
	5142467220	Greenville & Carlisle Well Stations - UV Replacement	1,100,000	-	-	-	-	-	1,100,000	1,100,000	-
	5142472420	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	300,000	-	-	-	-	-	300,000	300,000	-
Replacement Total			18,265,000	-	-	-	-	3,965,000	14,300,000	14,300,000	-
Safety/ Security	5142266351	Woodward SCADA Cybersecurity Program	200,000	-	-	-	-	-	200,000	200,000	-
	5142266871	Hamilton Water Capital Security Plan	1,130,000	-	-	-	-	1,130,000	-	-	-
Safety/ Security Total			1,330,000	-	-	-	-	1,130,000	200,000	200,000	-
Staffing Costs	5142101000	Unalloc Staff Cost Recoveries	2,500,000	-	-	-	-	-	2,500,000	2,500,000	-
	5142301099	Engineering Services Staffing Costs - Water	4,500,000	-	-	-	-	3,468,000	1,032,000	1,032,000	-
Staffing Costs Total			7,000,000	-	-	-	-	3,468,000	3,532,000	3,532,000	-
Grand Total			128,269,000	7,040,000	-	13,386,951	900,000	31,043,952	75,898,097	61,898,097	14,000,000

**CITY OF HAMILTON
 WATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5143071308	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	-	-	-	-	-	-	-	-	-	-	950,000	950,000	950,000	950,000	2030	2030
	5143371302	Barton - Gray to Green	-	-	-	-	-	-	-	-	-	-	430,000	430,000	430,000	430,000	2024	2033
Coordinated - Replacement Total			1,882,000	1,882,000	1,600,000	1,600,000	18,000,000	18,000,000	35,860,000	35,860,000	14,820,000	14,820,000	70,080,000	70,080,000	142,242,000	142,242,000		
Coordinated - Upgrade	5141971313	Sherman - King to south end (LRT Enabling)	2,335,000	335,000	180,000	130,000	-	-	-	-	-	-	-	-	2,515,000	465,000	2019	2024
	5141971314	Wentworth - Wilson to King (LRT Enabling)	1,770,000	40,000	266,000	6,000	-	-	-	-	-	-	-	-	2,036,000	46,000	2019	2024
	5141971315	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling)	5,030,000	-	7,530,000	800,000	-	-	-	-	-	-	-	-	12,560,000	800,000	2019	2024
	5142070015	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling)	300,000	300,000	165,000	165,000	-	-	-	-	-	-	-	-	465,000	465,000	2020	2024
	5142363277	Hwy 5 and 6 MTO Interchange Strategic Upsizing of Existing Watermains	370,000	370,000	1,240,000	1,240,000	-	-	-	-	-	-	-	-	1,610,000	1,610,000	2023	2024
Coordinated - Upgrade Total			9,805,000	1,045,000	9,381,000	2,341,000	-	-	19,186,000	3,386,000								
Coordinated Network Extension (50/50)	5142571327	Upper Centennial - Rymal to Mud	-	-	-	-	6,100,000	6,100,000	-	-	-	-	-	-	6,100,000	6,100,000	2025	2025
Coordinated Network Extension (50/50) Total			-	-	-	-	6,100,000	6,100,000	-	-	-	-	-	-	6,100,000	6,100,000		
Coordinated Replacement (50/50)	5142370000	Rates Share of Road Reconstruction - NOT TO BE SET UP IN PEOPLESOF	2,480,000	2,480,000	-	-	6,549,000	6,549,000	17,314,000	17,314,000	16,806,000	16,806,000	68,536,000	68,536,000	111,685,000	111,685,000	2023	2048
Coordinated Replacement (50/50) Total			2,480,000	2,480,000	-	-	6,549,000	6,549,000	17,314,000	17,314,000	16,806,000	16,806,000	68,536,000	68,536,000	111,685,000	111,685,000		
Demolition / Disposal	5142067420	St. Joseph's Tank Pulsation Dampener (HD0025TK)	210,000	210,000	450,000	450,000	-	-	-	-	-	-	-	-	660,000	660,000	2020	2024
	5142560581	Large Valve/Chamber Abandonment (SE04V001): 100 m w/o Centennial PKY	-	-	-	-	500,000	500,000	-	-	-	-	-	-	500,000	500,000	2025	2025
Demolition / Disposal Total			210,000	210,000	450,000	450,000	500,000	500,000	-	-	-	-	-	-	1,160,000	1,160,000		
Enhancement	5142166608	Lynden Water System - Phase 2 Treatment	1,080,000	1,080,000	300,000	300,000	-	-	-	-	-	-	-	-	1,380,000	1,380,000	2021	2024
	5142357545	Water - Computer Model	310,000	310,000	-	-	330,000	330,000	340,000	340,000	350,000	350,000	2,240,000	2,240,000	3,570,000	3,570,000	2023	2046
	5142361503	Advanced Metering Infrastructure (AMI) / Automated Meter Reading (AMR) Implementation - CASH FLOW	3,500,000	500,000	-	-	7,250,000	7,250,000	7,250,000	7,250,000	-	-	-	-	18,000,000	15,000,000	2023	2026
	5142363276	PD 13 Ancaster Heights Servicing Strategy	310,000	310,000	-	-	370,000	370,000	1,150,000	1,150,000	-	-	-	-	1,830,000	1,830,000	2023	2026
	5142551355	Portable Equipment for the Supply of Drinking Water at Public Events	-	-	-	-	85,000	85,000	-	-	-	-	-	-	85,000	85,000	2024	2025
Enhancement Total			5,200,000	2,200,000	300,000	300,000	8,035,000	8,035,000	8,740,000	8,740,000	350,000	350,000	2,240,000	2,240,000	24,865,000	21,865,000		
Expansion / Extension	5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 to Hwy 5 at Algonquin (W-25) (CASH FLOWED)	4,200,000	1,050,000	-	-	-	-	8,220,000	2,055,000	-	-	-	-	12,420,000	3,105,000	2017	2026
	5142320499	City Initiated Subsurface Priorities Coordinated or Integrated with LRT	1,020,000	510,000	3,010,000	1,505,000	3,010,000	1,505,000	3,010,000	1,505,000	-	-	-	-	10,050,000	5,025,000	2023	2026
	5142396011	Intensification Infrastructure Upgrades Program - Water	400,000	200,000	-	-	400,000	200,000	-	-	400,000	200,000	1,200,000	600,000	2,400,000	1,200,000	2023	2047
	5142467423	Freelton Well (FDF01) Capacity Increase	-	-	880,000	-	1,370,000	1,370,000	1,370,000	1,370,000	-	-	-	-	3,620,000	2,740,000	2024	2026
	5142495251	Highland Reservoir HDR07 (W-11) Expansion (CASH FLOWED)	-	-	-	-	2,130,000	-	5,700,000	-	5,860,000	-	-	-	13,690,000	-	2021	2027
	5142496850	Locke St Trunk Watermain - Main to York (W-19)	-	-	180,000	-	5,400,000	-	-	-	-	-	-	-	5,580,000	-	2024	2025
	5142596250	HD07A Feedermain (W-22)	-	-	-	-	1,040,000	-	6,431,090	-	-	-	-	-	7,471,090	-	2021	2026
	5143066110	Water Treatment Plant Phase 2B Expansion (Sedimentation Tanks & Low Lift Pumping Station)	-	-	-	-	-	-	-	-	-	-	146,200,000	10,234,000	146,200,000	10,234,000	2030	2034
	5143080081	South Service Rd - Millen to Dewitt	-	-	-	-	-	-	-	-	-	-	2,280,000	-	2,280,000	-	2023	2044
	5143080380	South Service Rd - Fruitland to Jones	-	-	-	-	-	-	-	-	-	-	1,280,000	-	1,280,000	-	2023	2030
	5143180180	Glover - Barton to South Service Rd Extension	-	-	-	-	-	-	-	-	-	-	790,000	-	790,000	-	2024	2031
	5143180182	Shaver - Kastura to Westview	-	-	-	-	-	-	-	-	-	-	925,000	693,750	925,000	693,750	2031	2032
	5143180381	Dewitt CNR Tracks to Barton	-	-	-	-	-	-	-	-	-	-	610,000	-	610,000	-	2024	2031
	5143280280	Jones - Barton to South Service	-	-	-	-	-	-	-	-	-	-	1,310,000	-	1,310,000	-	2024	2032
Expansion / Extension Total			5,620,000	1,760,000	4,070,000	1,505,000	13,350,000	3,075,000	24,731,090	4,930,000	6,260,000	200,000	154,595,000	11,527,750	208,626,090	22,997,750		
Feasibility Plans / EA's / Studies	5142255264	City-Wide Water Master Plan	280,000	-	-	-	-	-	-	-	-	-	700,000	700,000	980,000	700,000	2022	2028
	5142257800	Water Facility Asset Management Implementation Plan	380,000	380,000	110,000	110,000	-	-	-	-	-	-	-	-	490,000	490,000	2022	2024
	5142355010	Water Systems Planning Program	650,000	650,000	670,000	670,000	690,000	690,000	710,000	710,000	730,000	730,000	4,821,300	4,821,300	8,271,300	8,271,300	2023	2047
	5142355022	Engineering Consultant Watermain Projects	400,000	400,000	-	-	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000	2,400,000	4,000,000	4,000,000	2023	2048
	5142355247	Alterations to the Drinking Water System	170,000	170,000	180,000	180,000	190,000	190,000	200,000	200,000	210,000	210,000	1,200,000	1,200,000	2,150,000	2,150,000	2023	2032
	5142355340	Water Distribution Studies	400,000	400,000	300,000	300,000	300,000	300,000	300,000	300,000	-	-	-	-	1,300,000	1,300,000	2023	2026
	5142355556	Mapping Update Program	20,000	20,000	130,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	510,000	420,000	2023	2048
	5142355713	Pressure Districts and Drinking Water System Optimization	460,000	460,000	-	-	210,000	210,000	220,000	220,000	230,000	230,000	1,300,000	1,300,000	2,420,000	2,420,000	2022	2032
	5142355851	Water Efficiency Plan/Program	-	-	120,000	18,000	122,000	122,000	124,000	124,000	129,000	129,000	844,350	844,350	1,339,350	1,237,350	2024	2047
	5142366711	Water Treatment Studies Program	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	-	-	-	-	1,200,000	1,200,000	2023	2026
	5142367752	Water Outstations Inspections - Asset Management	870,000	870,000	650,000	650,000	930,000	930,000	960,000	960,000	990,000	990,000	5,484,375	5,484,375	9,884,375	9,884,375	2023	2046
	5142406222	Lake Ontario Monitoring & Modelling	-	-	200,000	200,000	-	-	-	-	-	-	-	-	200,000	200,000	2024	2024
	5142455789	Plant Maintenance and Reliability Studies	-	-	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	900,000	1,500,000	1,500,000	2024	2048
	5142480486	Red Hill Business Park South Servicing Study - Water/Wasterwater	-	-	200,000	-	-	-	-	-	-	-	-	-	200,000	-	2024	2024
	5142495850	Greenhill Water Pumping Station Class Environmental Assessment	-	-	1,100,000	1,100,000	-	-	-	-	-	-	-	-	1,100,000	1,100,000	2024	2024
	5143066151	2030 SCADA Master Plan	-	-	-	-	-	-	-	-	-	-	10,125,000	10,125,000	10,125,000	10,125,000	2029	2034
Feasibility Plans / EA's / Studies Total			3,930,000	3,650,000	4,110,000	3,718,000	3,332,000	3,332,000	3,404,000	3,404,000	2,879,000	2,879,000	28,015,025	28,015,025	45,670,025	44,998,025		

**CITY OF HAMILTON
 WATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
Licenses	5142362073	Field Data Systems Program	110,000	110,000	169,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,269,000	1,210,000	2023	2048
Licenses Total			110,000	110,000	169,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,269,000	1,210,000		
Network Extension	5142480480	Fletcher Road Watermain - Binbrook Rd to Pumpkin Pass	-	-	389,000	-	-	-	-	-	-	-	-	-	389,000	-	2024	2024
	5142480485	Glancaester Rd Watermain - Rymal Rd to Twenty Rd	-	-	200,000	-	-	-	1,924,000	-	-	-	-	-	2,124,000	-	2024	2026
Network Extension Total			-	-	589,000	-	-	-	1,924,000	-	-	-	-	2,513,000	-			
New	5141395354	PD18 (Ancaster) Water Servicing Strategy (W-14) (CASH FLOWED)	3,410,000	1,705,000	-	-	6,850,000	3,425,000	7,050,000	3,525,000	-	-	-	-	17,310,000	8,655,000	2013	2026
	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	13,650,000	-	5,300,000	-	2,075,000	-	-	-	-	-	-	-	21,025,000	-	2014	2025
	5141767650	New Greensville Communal Well	1,870,000	1,870,000	-	-	-	-	4,000,000	4,000,000	3,000,000	3,000,000	-	-	8,870,000	8,870,000	2017	2027
	5141895852	Carlisle Water Supply System - Additional Water Storage (CASH FLOWED)	1,780,000	1,780,000	150,000	150,000	700,000	700,000	3,150,000	3,150,000	3,150,000	3,150,000	-	-	8,930,000	8,930,000	2018	2027
	5142167840	PD9 & PD10 East Stoney Creek Booster Pumping Station	1,270,000	1,270,000	3,150,000	3,150,000	-	-	-	-	-	-	-	-	4,420,000	4,420,000	2021	2024
	5142351110	Fleet Additions	-	-	1,375,000	500,000	-	-	100,000	100,000	100,000	100,000	600,000	600,000	2,175,000	1,300,000	2024	2047
	5142361502	Water Meter - Installation/Replacement/Repair - General Maintenance	3,700,000	3,700,000	4,015,000	3,315,000	4,135,000	4,135,000	4,260,000	4,260,000	4,400,000	4,400,000	29,215,000	29,215,000	49,725,000	49,025,000	2023	2048
	5142363275	Security of Supply for PD 18 Suction Side Watermain Twinning	220,000	220,000	-	-	550,000	550,000	-	-	-	-	-	-	770,000	770,000	2023	2025
	5142441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	437,500	437,500	375,000	375,000	1,562,500	1,562,500	1,562,500	1,562,500	5,062,500	5,062,500	5,062,500	5,062,500	14,062,500	14,062,500	2023	2028
	5142460550	Utility Locate Program - Vehicle & Equipment	-	-	900,000	-	-	-	-	-	-	-	-	-	900,000	-	2024	2024
	5142467224	New PD2 Water Pumping Station (CASH FLOWED)	2,650,000	2,650,000	-	-	1,280,000	1,280,000	6,180,000	6,180,000	6,370,000	6,370,000	-	-	16,480,000	16,480,000	2022	2027
	5142495552	P.S. HD07A - New District 7 (Elfrida area) Pumping Station (W-21)	-	-	290,000	-	-	-	3,630,000	-	10,650,000	-	10,970,000	-	25,540,000	-	2024	2028
	5142563502	Bonita - King to Jasper	-	-	-	-	200,000	200,000	-	-	-	-	-	-	200,000	200,000	2025	2025
	5143263201	Dawson - King to Passmore	-	-	-	-	-	-	-	-	-	-	300,000	300,000	300,000	300,000	2032	2032
New Total			28,987,500	13,632,500	15,555,000	7,490,000	17,352,500	11,852,500	29,932,500	22,777,500	32,732,500	22,082,500	46,147,500	35,177,500	170,707,500	113,012,500		
Rehabilitation / Renovation	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	2,620,000	2,620,000	3,110,000	2,360,000	980,000	980,000	1,150,000	1,150,000	-	-	-	-	7,860,000	7,110,000	2011	2026
	5141567520	Stone Church/Garth Water (HDR05) Reservoir	7,292,000	7,292,000	4,175,000	4,175,000	3,125,000	3,125,000	-	-	-	-	-	-	14,592,000	14,592,000	2015	2025
	5141667421	Glancaester Rd & Hwy 53 Pumping Station (HD018) Upgrades (CASH FLOWED)	12,600,000	12,600,000	-	-	-	-	-	-	1,100,000	1,100,000	4,400,000	4,400,000	18,100,000	18,100,000	2016	2029
	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-26) (CASH FLOWED)	6,825,000	681,500	75,000	7,500	8,390,000	839,000	4,150,000	415,000	-	-	-	-	19,440,000	1,943,000	2016	2026
	5141760754	Kenilworth Transmission Watermain Renewal	5,984,000	5,484,000	500,000	500,000	-	-	-	-	-	-	-	-	6,484,000	5,984,000	2017	2024
	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	27,990,000	7,444,500	4,570,000	2,768,049	570,000	345,249	625,000	378,563	13,905,000	8,422,259	30,250,000	18,322,425	77,910,000	37,681,044	2017	2029
	5141967375	HDR01 Kenilworth and HDR1C Ben Nevis Reservoir Upgrades	15,990,000	9,490,000	250,000	250,000	1,050,000	1,050,000	-	-	-	-	-	-	17,290,000	10,790,000	2019	2025
	5141995951	Binbrook HD019 PS Capacity Expansion (W-20) & Binbrook Tower HDT23 Upgrades	220,000	-	820,000	-	620,000	-	7,150,000	-	7,150,000	-	-	-	15,960,000	-	2019	2027
	5142067450	Lee Smith Reservoir (HDR00) Upgrades	530,000	530,000	825,000	825,000	-	-	-	-	-	-	-	-	1,355,000	1,355,000	2020	2024
	5142166110	Water Treatment Plant Phase 2A Water Quality Upgrades (UV Disinfection, Filters & Chlorine Building)	4,544,080	1,328,080	6,810,000	6,810,000	4,810,000	4,810,000	4,810,000	4,810,000	28,010,000	28,010,000	288,956,000	288,956,000	337,940,080	334,724,080	2021	2032
	5142167420	HDR18 Glancaester Reservoir Upgrades	880,000	880,000	1,200,000	1,200,000	1,650,000	1,650,000	-	-	-	-	-	-	3,730,000	3,730,000	2021	2025
	5142167421	HDR11 Woodley Lane Reservoir Upgrades	2,470,000	2,470,000	1,200,000	1,200,000	-	-	-	-	-	-	-	-	3,670,000	3,670,000	2021	2024
	5142266320	Woodward Water Treatment Plant - Low Lift Pumping Station Intake Repairs	1,580,000	1,580,000	1,000,000	1,000,000	-	-	-	-	-	-	-	-	2,580,000	2,580,000	2022	2024
	5142267585	Diesel Fuel Storage Compliance Upgrades	500,000	500,000	1,200,000	1,200,000	-	-	-	-	-	-	-	-	1,700,000	1,700,000	2022	2024
	5142311101	Road Cut Restoration Program	5,400,000	3,150,000	8,215,000	-	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	32,400,000	32,400,000	62,215,000	51,750,000	2023	2048
	5142357626	Critical Watermain Inspection Program	600,000	600,000	1,800,000	600,000	1,230,000	1,230,000	1,230,000	1,230,000	1,230,000	1,230,000	7,380,000	7,380,000	13,470,000	12,270,000	2023	2048
	5142360072	Watermain Structural Lining	6,200,000	6,200,000	7,500,000	-	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	45,000,000	45,000,000	81,200,000	73,700,000	2023	2048
	5142360330	Water Distribution Capital Repairs, Replacement and New Installation Parts	1,200,000	1,200,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	3,400,000	3,400,000	11,400,000	11,400,000	2023	2029
	5142361741	Resetting or Adjusting of Water Utility Structures	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,750,000	2,750,000	2023	2047
	5142366712	Water Maintenance - Rebuild, Replacement and New Capital	100,000	100,000	700,000	60,048	700,000	700,000	700,000	700,000	700,000	700,000	4,200,000	4,200,000	7,100,000	6,460,048	2023	2048
	5142366713	Water Maintenance Capital Program	3,000,000	3,000,000	2,500,000	1,030,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	23,500,000	22,030,000	2023	2046
	5142367187	Bulk Water Stations Upgrades	200,000	200,000	200,000	200,000	1,250,000	1,250,000	-	-	-	-	-	-	1,650,000	1,650,000	2023	2025
	5142369075	City Environmental Lab Improvements Program	-	-	-	-	80,000	80,000	105,000	105,000	1,100,000	1,100,000	1,415,000	1,415,000	2,700,000	2,700,000	2024	2047
	5142441413	Brampton Street Facility office rehabilitation	-	-	6,050,000	4,416,500	-	-	-	-	-	-	-	-	6,050,000	4,416,500	2024	2024
	5142466450	Woodward WTP - HPLS Large Valve Upgrades & Sedimentation Tank Concrete Restorations	-	-	1,370,000	1,370,000	820,000	820,000	4,900,000	4,900,000	9,400,000	9,400,000	-	-	16,490,000	16,490,000	2024	2027
	5142466710	Miscellaneous Roof Replacement at Hamilton Water Facilities	-	-	100,000	100,000	1,000,000	1,000,000	-	-	-	-	-	-	1,100,000	1,100,000	2024	2025
	5142467221	Scenic Drive Reservoir New Access and Structural/Restoration Upgrades	-	-	4,300,000	4,300,000	1,200,000	1,200,000	2,050,000	2,050,000	3,150,000	3,150,000	-	-	10,700,000	10,700,000	2024	2027
	5142467525	HD06B Tunbridge Sewage Pumping Station Upgrades	-	-	-	-	-	-	-	-	1,100,000	1,100,000	13,200,000	13,200,000	14,300,000	14,300,000	2027	2029
	5142467586	HD06B Tunbridge & HD018/HDR18 Underground Diesel Storage Tanks	-	-	150,000	150,000	500,000	500,000	-	-	-	-	-	-	650,000	650,000	2024	2025
	5142667751	Water Outstation Upgrades - Asset Management Program	-	-	-	-	-	-	-	-	10,200,000	10,200,000	61,200,000	61,200,000	71,400,000	71,400,000	2023	2048

**CITY OF HAMILTON
 WATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start	End	
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year	
	5142860072	WM Structural Lining - Dundas Valley Watermain	-	-	-	-	-	-	-	-	-	-	1,550,000	1,550,000	1,550,000	1,550,000	2028	2028	
	5142860073	Structural Watermain Lining - Charlton Ave 750mm	-	-	-	-	-	-	-	-	-	-	2,680,000	2,680,000	2,680,000	2,680,000	2028	2029	
	5142961308	James and Charlton Intersection	-	-	-	-	-	-	-	-	-	-	940,000	940,000	940,000	940,000	2029	2029	
Rehabilitation / Renovation Total			106,975,080	67,600,080	60,570,000	36,472,097	44,825,000	36,429,249	43,720,000	32,588,563	93,895,000	81,262,259	510,471,000	498,543,425	860,456,080	752,895,672			
Replacement	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	2,320,000	2,320,000	-	-	4,120,000	4,120,000	-	-	-	-	-	-	6,440,000	6,440,000	2015	2025	
	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-04)	4,880,000	1,040,000	-	-	4,350,000	1,087,500	645,000	161,250	-	-	-	-	9,875,000	2,288,750	2015	2026	
	5141596550	Stone Church Feedermain (W-24) - CASH FLOW	25,300,000	-	-	-	20,000,000	-	8,000,000	-	-	-	-	-	53,300,000	-	2015	2026	
	5142066310	WTP Pre-Treatment Isolation Valves	2,780,000	2,780,000	675,000	675,000	-	-	-	-	-	-	-	-	3,455,000	3,455,000	2020	2024	
	5142201967	New Water WW Billing Services	5,000,000	5,000,000	5,000,000	5,000,000	-	-	-	-	-	-	-	-	10,000,000	10,000,000	2023	2024	
	5142349555	QA-QC Service Contract Program	150,000	150,000	315,000	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,265,000	1,950,000	2023	2048
	5142360080	Valve Replacement Program	4,320,000	4,320,000	2,400,000	-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	24,720,000	22,320,000	2023	2048	
	5142360711	PW Capital Water Consumption Program	-	-	-	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,250,000	2,250,000	2024	2048	
	5142360750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	3,250,000	3,250,000	5,000,000	3,750,000	3,750,000	3,750,000	3,750,000	3,750,000	3,750,000	3,750,000	22,500,000	22,500,000	42,000,000	40,750,000	2023	2048	
	5142361300	Stand-Alone Watermain Replacement	-	-	-	-	-	-	-	-	-	-	8,000,000	8,000,000	8,000,000	8,000,000	2028	2048	
	5142362078	Substandard Water Service Replacement Program	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	15,000,000	27,500,000	27,500,000	2023	2048	
	5142366151	SCADA Maintenance Program	275,000	275,000	275,000	275,000	900,000	900,000	275,000	275,000	1,400,000	1,400,000	900,000	900,000	4,025,000	4,025,000	2023	2046	
	5142366510	GAC Replacement	-	-	-	-	-	-	-	-	600,000	600,000	6,000,000	6,000,000	6,600,000	6,600,000	2026	2032	
	5142371074	Contingency for Unscheduled Works Program	100,000	100,000	-	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000	1,000,000	1,000,000	2023	2048	
	5142461302	Bold - Queen to Locke	-	-	700,000	700,000	-	-	-	-	-	-	-	-	700,000	700,000	2021	2024	
	5142466152	SCADA HVAC Maintenance Program	-	-	-	-	-	-	-	-	75,000	75,000	450,000	450,000	525,000	525,000	2027	2048	
	5142467220	Greensville & Carlisle Well Stations - UV Replacement	-	-	1,100,000	1,100,000	-	-	-	-	-	-	-	-	1,100,000	1,100,000	2024	2024	
	5142472420	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	-	-	300,000	300,000	-	-	-	-	-	-	-	-	300,000	300,000	2024	2031	
	5142561305	John - Cannon to Barton	-	-	-	-	980,000	980,000	-	-	-	-	-	-	980,000	980,000	2025	2028	
	5142561306	Amelia - Queen to West End	-	-	-	-	70,000	70,000	490,000	490,000	-	-	-	-	560,000	560,000	2025	2026	
	5142561309	Myler - Sanford to Milton/Milton - Barton to Princess	-	-	-	-	700,000	700,000	-	-	-	-	-	-	700,000	700,000	2024	2026	
	5142661301	Robinson - Hess to Park	-	-	-	-	-	-	950,000	950,000	-	-	-	-	950,000	950,000	2021	2026	
	5142661307	Dallas - Upper Gage to West End	-	-	-	-	-	-	1,430,000	1,430,000	-	-	-	-	1,430,000	1,430,000	2026	2026	
	5142661610	Watermain Replacement under Rail Tracks at Ferguson	-	-	-	-	-	-	300,000	300,000	-	-	-	-	300,000	300,000	2024	2026	
	5142760311	George - Queen to Ray	-	-	-	-	-	-	-	-	420,000	420,000	-	-	420,000	420,000	2027	2027	
	5142761302	Edgemont - Main to King	-	-	-	-	-	-	-	-	60,000	60,000	600,000	600,000	660,000	660,000	2021	2028	
	5142861302	Edward - Barnesdale to Lottridge	-	-	-	-	-	-	-	-	-	-	360,000	360,000	360,000	360,000	2028	2028	
	5142861303	Hess - Markland to Aberdeen	-	-	-	-	-	-	-	-	-	-	460,000	460,000	460,000	460,000	2028	2028	
	5142961301	Clinton(Case)\Ruth\Barnesdale	-	-	-	-	-	-	-	-	-	-	1,810,000	1,810,000	1,810,000	1,810,000	2029	2029	
	5143060310	Princess/Westinghouse/Milton/Fullerton/Gibson/Earl	-	-	-	-	-	-	-	-	-	-	4,200,000	4,200,000	4,200,000	4,200,000	2030	2030	
	5143061303	Caroline - Herkimer to Robinson	-	-	-	-	-	-	-	-	-	-	420,000	420,000	420,000	420,000	2030	2030	
	Replacement Total			50,875,000	21,735,000	18,265,000	14,300,000	39,920,000	16,657,500	20,890,000	12,406,250	11,355,000	11,355,000	76,000,000	76,000,000	217,305,000	152,453,750		
	Safety/ Security	5142266351	Woodward SCADA Cybersecurity Program	125,000	125,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,125,000	2,125,000	2022	2048
5142266871		Hamilton Water Capital Security Plan	2,090,000	2,090,000	1,130,000	-	790,000	790,000	450,000	450,000	10,000	10,000	70,000	70,000	4,540,000	3,410,000	2022	2031	
Safety/ Security Total			2,215,000	2,215,000	1,330,000	200,000	990,000	990,000	650,000	650,000	210,000	210,000	1,270,000	1,270,000	6,665,000	5,535,000			
Staffing Costs	5142101000	Unalloc Staff Cost Recoveries	-	-	2,500,000	2,500,000	-	-	-	-	-	-	-	-	2,500,000	2,500,000	2024	2024	
	5142301099	Engineering Services Staffing Costs - Water	4,750,000	4,750,000	4,500,000	1,032,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,750,000	46,282,000	2023	2048	
Staffing Costs Total			4,750,000	4,750,000	7,000,000	3,532,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	52,250,000	48,782,000			
Grand Total			230,302,050	128,752,560	128,269,000	75,898,097	166,463,500	118,530,249	196,581,590	146,700,312	189,987,500	160,644,759	998,634,525	831,869,700	1,910,238,165	1,462,395,677			

**Appendix "M" to Report FCS23100
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**SOURCE OF CAPITAL FINANCING
2024 to 2033 RATE PROGRAM CAPITAL BUDGET
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	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2024 to 2033
WASTEWATER											
Capital Program	106,392	130,994	177,913	266,193	257,948	271,300	177,955	126,900	124,164	163,373	1,803,130
<u>Source of Funding</u>											
Subsidy/Other Revenue	-	20,506	9,160	10,700	9,020	7,320	11,060	8,860	6,700	-	83,326
Development Charges	20,278	7,766	60,016	95,349	95,159	95,369	43,088	1,016	826	866	419,734
Reserves & Other Internal Sources	13,131	4,250	5,250	5,250	1,150	-	-	-	-	-	29,031
Contribution from Operating	53,114	48,472	53,487	61,021	63,918	79,611	85,282	89,256	114,341	162,507	811,009
External Debt	19,869	50,000	50,000	93,872	88,700	89,000	38,524	27,769	2,296	-	460,030
Total	106,392	130,994	177,913	266,193	257,948	271,300	177,955	126,900	124,164	163,373	1,803,130

**City of Hamilton
Wastewater System
2024 Capital Budget Project List
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Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Coordinated - Network Extension	5162180187	Garner Road Trunk Sanitary Sewer - Hwy 6 w/o Raymond - CASH FLOW	10,000,000	-	-	10,000,000	-	-	-	-	-
Coordinated - Network Extension Total			10,000,000	-	-	10,000,000	-	-	-	-	-
Coordinated - Replacement	5162371015	Sewer Lateral Replacement for Co-ordinated Projects	750,000	-	-	-	-	750,000	-	-	-
	5162471307	Duke - Hess to west end & Robinson - Queen to west end	30,000	-	-	-	-	-	30,000	30,000	-
	5162471325	CCBF - Corktown Neighbourhood - Phase 2	100,000	-	-	-	-	-	100,000	100,000	-
Coordinated - Replacement Total			880,000	-	-	-	-	750,000	130,000	130,000	-
Coordinated - Upgrade	5162071315	Main - Queenston Traffic Circle to Delena & Rosewood (LRT Enabling)	85,000	-	-	-	-	-	85,000	85,000	-
Coordinated - Upgrade Total			85,000	-	-	-	-	-	85,000	85,000	-
Enhancement	5162241350	Pilot solar power installation at a Class B Hamilton Water facility	400,000	-	-	-	-	-	400,000	400,000	-
	5162360303	Rosemary/Wentworth Regulator Gate (HCG03)	200,000	-	-	-	-	-	200,000	200,000	-
	5162467374	HC058 Binbrook SPS Odour Control	350,000	-	-	-	-	-	350,000	350,000	-
Enhancement Total			950,000	-	-	-	-	-	950,000	950,000	-
Expansion / Extension	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	7,570,000	-	-	5,526,100	-	-	2,043,900	2,043,900	-
	5162467373	HC005 Old Dundas Rd SPS Capacity Expansion	200,000	-	-	-	-	-	200,000	200,000	-
	5162480480	Millen Road Sanitary Sewer QEW crossing	2,000,000	-	-	2,000,000	-	-	-	-	-
Expansion / Extension Total			9,770,000	-	-	7,526,100	-	-	2,243,900	2,243,900	-
Feasibility Plans / EA's/ Studies	5160055470	Capital Infrastructure Inspection & Condition Assessment Program – Linear Wastewater & Storm	2,500,000	-	-	-	-	2,489,000	11,000	11,000	-
	5162055050	Municipal Class EA Studies	200,000	-	-	-	-	-	200,000	200,000	-
	5162168777	Chedoke Creek Water Quality Improvements (CASH FLOWED)	1,100,000	-	-	-	1,100,000	-	-	-	-
	5162255242	Combined Sewer Outfall Monitoring Study	40,000	-	-	-	-	-	40,000	40,000	-
	5162257800	Wastewater Facility Asset Management Implementation Plan	110,000	-	-	-	-	-	110,000	110,000	-
	5162262305	Ainslie Wood Sewer Improvements	550,000	-	-	-	-	-	550,000	550,000	-
	5162349555	QA-QC Service Contract Program	345,000	-	-	-	-	145,000	200,000	200,000	-
	5162355010	Wastewater Systems Planning	730,000	-	-	-	-	-	730,000	730,000	-
	5162355556	Mapping Update Program	116,000	-	-	-	-	76,000	40,000	40,000	-
	5162355880	Inflow & Infiltration Studies and Flow Monitoring Program	1,060,000	-	-	530,000	-	-	530,000	530,000	-
	5162357545	Wastewater Computer Model Update & Maintenance	500,000	-	-	-	-	-	500,000	500,000	-
	5162366711	Wastewater Treatment Studies Program	150,000	-	-	-	-	-	150,000	150,000	-
	5162367752	Wastewater Outstation Inspections - Asset Management Program	620,000	-	-	-	-	-	620,000	620,000	-
	5162455789	Plant Maintenance and Reliability Studies	150,000	-	-	-	-	-	150,000	150,000	-
	5162466575	Greenhouse Gas and Energy Assessment of Hamilton Water Facilities	400,000	-	-	-	-	-	400,000	400,000	-
	5162562543	CSO Characterization Program	200,000	-	-	-	-	-	200,000	200,000	-
Feasibility Plans / EA's/ Studies Total			8,771,000	-	-	530,000	1,100,000	2,710,000	4,431,000	4,431,000	-
Licenses	5162362073	Field Data Systems Program	200,000	-	-	-	-	90,000	110,000	110,000	-
Licenses Total			200,000	-	-	-	-	90,000	110,000	110,000	-
Network Extension	5162360315	Parkside Drive Fire/EMS Facility Servicing	800,000	-	-	-	-	-	800,000	800,000	-
	5162360316	Parkside Drive Fire/EMS Facility Servicing Interim	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-
	5162480481	Barton St Sanitary Sewer - 200m east of McNeilly to Lewis	869,000	-	-	869,000	-	-	-	-	-
	5162480482	Barton St Sanitary Sewer - Lewis to 350m east of Lewis	507,000	-	-	456,300	-	-	50,700	50,700	-
	5162480483	Barton St Sanitary Sewer - McNeilly Rd to 200m east of McNeilly Rd	270,000	-	-	270,000	-	-	-	-	-
Network Extension Total			3,446,000	-	-	1,595,300	-	-	1,850,700	1,850,700	-
New	5161667421	New Haulage Receiving Station	1,070,000	-	-	-	-	-	1,070,000	1,070,000	-
	5162441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	375,000	-	-	-	-	-	375,000	-	375,000
New Total			1,445,000	-	-	-	-	-	1,445,000	1,070,000	375,000

**City of Hamilton
 Wastewater System
 2024 Capital Budget Project List
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Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Rehabilitation / Renovation	5160060471	Capital Infrastructure Renewal Program – Linear Wastewater & Storm	7,250,000	-	-	-	-	2,650,000	4,600,000	4,600,000	-
	5160966910	Woodward WWTP - Biosolids Management Facility	2,770,000	-	-	526,300	-	-	2,243,700	2,243,700	-
	5161266213	Dundas WWTP Improvements (CASH FLOWED)	1,150,000	-	-	-	-	-	1,150,000	1,150,000	-
	5161467756	Greenhill & Cochrane HCS01 Combined Sewer Overflow Tank Cleaning & Upgrades (CASH FLOWED)	350,000	-	-	-	-	-	350,000	350,000	-
	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades	200,000	-	-	100,000	-	-	100,000	100,000	-
	5161966511	Woodward WWTP - Digester 3 & 5 (CASH FLOWED)	1,850,000	-	-	-	-	-	1,850,000	1,850,000	-
	5162066813	Dundas WWTP - Health & Safety Immediate Needs	5,150,000	-	-	-	-	-	5,150,000	5,150,000	-
	5162067420	Main & King CSO Rehabilitation	500,000	-	-	-	-	-	500,000	500,000	-
	5162167420	DC007 McMaster Sewage Pumping Station Upgrades	250,000	-	-	-	-	-	250,000	250,000	-
	5162266911	Woodward WWTP - North Digester Complex Rehabilitation (CASH FLOW)	1,600,000	-	-	-	-	-	1,600,000	1,600,000	-
	5162267585	Diesel Fuel Storage Compliance Upgrades	3,300,000	-	-	-	-	-	3,300,000	3,300,000	-
	5162311101	Road Cut Restoration Program	2,300,000	-	-	-	-	1,609,000	691,000	691,000	-
	5162360302	Cross Connections Program	400,000	-	-	-	-	-	400,000	400,000	-
	5162360522	Sewer Lateral Management Program (WWC)	5,340,000	-	-	-	-	1,840,000	3,500,000	3,500,000	-
	5162360942	Ancaster Sewage Works Sewer & Pipe Bridge Rehabilitation - Hwy 403 to Bluebell	500,000	-	-	-	-	-	500,000	500,000	-
	5162361741	Resetting or Adjusting of Wastewater Utility Structures	250,000	-	-	-	-	-	250,000	250,000	-
	5162366420	Woodward WWTP - Primary Clarifiers (Galleries 1-8)	14,650,000	-	-	-	-	-	14,650,000	-	14,650,000
	5162366712	Wastewater Maintenance - Rebuild, Replacement and New Capital	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-
	5162366713	Wastewater Capital Maintenance Program	4,000,000	-	-	-	-	650,000	3,350,000	3,350,000	-
	5162367425	Beach Boulevard (HC031) Wastewater Pumping Station Upgrades	660,000	-	-	-	-	-	660,000	660,000	-
	5162460051	Satellite City - Phase 2	2,000,000	-	-	-	-	-	2,000,000	355,867	1,644,133
	5162460372	Large Sewer Lining - Blanshard St: Locke St to Poulette St	500,000	-	-	-	-	-	500,000	500,000	-
	5162460572	Large Sewer Lining : Upper James – Inverness to Claremont	180,000	-	-	-	-	-	180,000	180,000	-
5162460592	Strathearne - Barton to Brampton	200,000	-	-	-	-	-	200,000	200,000	-	
5162461401	Mountain Industrial Trunk Sewer Rehab - Glover to Rymal	500,000	-	-	-	-	-	500,000	500,000	-	
5162461402	Governor's Rd - Sanitary Trunk Rehabilitation	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-	
5162466220	Dundas WWTP Digester Storage Tank Upgrades	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-	
5162467375	Parkdale Wastewater Outstation (HC001) Health & Safety Upgrades	1,210,000	-	-	-	-	-	1,210,000	1,210,000	-	
5162467586	HC017 Eastport Underground Diesel Storage Tank	130,000	-	-	-	-	-	130,000	130,000	-	
Rehabilitation / Renovation Total			60,190,000	-	-	626,300	-	6,749,000	52,814,700	36,520,698	16,294,133
Replacement	5162360820	Open Cut Repairs for CIPP Program	500,000	-	-	-	-	420,000	80,000	80,000	-
	5162361740	Unscheduled Manhole and Sewermain Replacement Program	980,000	-	-	-	-	330,000	650,000	650,000	-
	5162366151	SCADA Maintenance Program	275,000	-	-	-	-	-	275,000	275,000	-
	5162367065	Replacement of the Eastport Sanitary Pumping Station	400,000	-	-	-	-	-	400,000	400,000	-
	5162418420	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	3,500,000	-	-	-	-	300,000	3,200,000	-	3,200,000
	5162466121	Woodward WWTP - Dewatering Polymer System Upgrades	300,000	-	-	-	-	-	300,000	300,000	-
Replacement Total			5,955,000	-	-	-	-	1,050,000	4,905,000	1,705,000	3,200,000
Safety/ Security	5162266351	Woodward SCADA Cybersecurity Program	200,000	-	-	-	-	-	200,000	200,000	-
Safety/ Security Total			200,000	-	-	-	-	-	200,000	200,000	-
Staffing Costs	5162301099	Engineering Services Staffing Costs - Wastewater	4,500,000	-	-	-	-	682,000	3,818,000	3,818,000	-
Staffing Costs Total			4,500,000	-	-	-	-	682,000	3,818,000	3,818,000	-
Grand Total			106,392,000	-	-	20,277,700	1,100,000	12,031,000	72,983,300	53,114,298	19,869,133

**CITY OF HAMILTON
 WASTEWATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year	
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net			
Coordinated - Network Extension	5162180187	Garner Road Trunk Sanitary Sewer - Hwy 6 w/o Raymond - CASH FLOW	8,000,000	-	10,000,000	-	-	-	-	-	-	-	-	-	-	18,000,000	-	2021	2024
	5162680591	Book - Southcote to Smith (AEGD)	-	-	-	-	-	-	710,000	-	-	-	-	-	-	710,000	-	2026	2026
	5162680680	Jones Sanitary Sewer - 350m south of Barton to 200m south	-	-	-	-	-	-	290,000	29,000	-	-	-	-	-	290,000	29,000	2026	2026
Coordinated - Network Extension Total			8,000,000	-	10,000,000	-	-	-	1,000,000	29,000	-	-	-	-	19,000,000	29,000			
Coordinated - Rehabilitation	5162671228	Rennie - Woodward to East End	-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000	2026	2026	
Coordinated - Rehabilitation Total			-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000			
Coordinated - Replacement	5162272205	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)	150,000	(1,100,000)	-	-	1,100,000	1,100,000	-	-	-	-	-	-	1,250,000	-	2022	2025	
	5162371015	Sewer Lateral Replacement for Co-ordinated Projects	654,000	500,000	750,000	-	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,904,000	5,000,000	2023	2048	
	5162471307	Duke - Hess to west end & Robinson - Queen to west end	-	-	30,000	30,000	270,000	270,000	-	-	-	-	-	-	300,000	300,000	2023	2025	
	5162471325	CCBF - Corktown Neighbourhood - Phase 2	-	-	100,000	100,000	-	-	-	-	-	-	-	-	100,000	100,000	2024	2024	
	5162571202	Hughson - Simcoe to Brock & Wood - James to Hughson	-	-	-	-	400,000	400,000	-	-	-	-	-	-	400,000	400,000	2025	2025	
	5162571305	Upper James - Mohawk to Fennell	-	-	-	-	330,000	330,000	-	-	-	-	-	-	330,000	330,000	2025	2025	
	5162571308	Scenic - Chateau to Upper Paradise	-	-	-	-	100,000	100,000	1,350,000	1,350,000	-	-	-	-	1,450,000	1,450,000	2024	2026	
	5162571322	Barton - Sherman to Ottawa	-	-	-	-	850,000	850,000	-	-	-	-	-	-	850,000	850,000	2025	2025	
	5162671114	Pinelands / Teal / Garden / Community / Greensfield	-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000	2026	2026	
	5162671201	Simcoe - James to Wellington & Hughson - Strachan to Simcoe	-	-	-	-	-	-	400,000	400,000	-	-	-	-	400,000	400,000	2026	2026	
	5162671302	Arvin - Dosco to Jones	-	-	-	-	-	-	250,000	250,000	-	-	-	-	250,000	250,000	2025	2026	
	5162671314	Brampton - Parkdale to Woodward & Brighton - Brampton to Morley	-	-	-	-	-	-	120,000	120,000	-	-	-	-	120,000	120,000	2026	2026	
	5162771305	Dundurn - CPR bridge (s/o Main St) to King	-	-	-	-	-	-	-	-	145,000	145,000	-	-	145,000	145,000	2027	2027	
	5162772214	Westdale North Neighbourhood Phase 1	-	-	-	-	-	-	-	-	1,590,000	1,590,000	-	-	1,590,000	1,590,000	2027	2027	
	5162871115	Westdale North Neighbourhood Phase 2	-	-	-	-	-	-	-	-	-	-	750,000	750,000	1,590,000	750,000	2028	2028	
	5162871118	Charlton - Ferguson to Sherman Access	-	-	-	-	-	-	-	-	-	-	120,000	120,000	120,000	120,000	2028	2028	
	5162871208	Burlington & Industrial - Ottawa to Kenilworth	-	-	-	-	-	-	-	-	-	-	760,000	760,000	760,000	760,000	2028	2028	
	5162871311	Oak/Emerald/East Ave - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	440,000	440,000	440,000	440,000	2028	2028	
	5162971020	Sanford - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	20,000	20,000	20,000	20,000	2029	2029	
	5162971026	Bruceedale - Upper Gage to Upper Ottawa	-	-	-	-	-	-	-	-	-	-	170,000	170,000	170,000	170,000	2029	2029	
5162971106	Wentworth - Barton to Burlington	-	-	-	-	-	-	-	-	250,000	250,000	-	-	250,000	250,000	2027	2027		
5162971113	Westdale North Neighbourhood Phase 3	-	-	-	-	-	-	-	-	-	-	750,000	750,000	750,000	750,000	2029	2029		
5162971117	Green - Carla to Barton	-	-	-	-	-	-	-	-	-	-	100,000	100,000	100,000	100,000	2029	2029		
5162971304	Ferguson/Foster/Walnut/Patrick/Charlton/James	-	-	-	-	-	-	-	-	-	-	1,500,000	1,500,000	1,500,000	1,500,000	2024	2031		
5162971311	Oxford / Tecumseh (Strathcona Neighbourhood)	-	-	-	-	-	-	-	-	-	-	420,000	420,000	420,000	420,000	2029	2029		
5163071308	Stipeley Neighbourhood (South) - Connaught / Balsam / Dunsmore	-	-	-	-	-	-	-	-	-	-	80,000	80,000	80,000	80,000	2030	2030		
Coordinated - Replacement Total			804,000	(600,000)	880,000	130,000	3,550,000	3,550,000	2,750,000	2,750,000	2,485,000	2,485,000	8,110,000	8,110,000	18,579,000	16,425,000			
Coordinated - Upgrade	5162071315	Main - Queenston Traffic Circle to Delena & Rosewood (LRT Enabling)	400,000	400,000	85,000	85,000	-	-	-	-	-	-	-	-	485,000	485,000	2020	2024	
Coordinated - Upgrade Total			400,000	400,000	85,000	85,000	-	-	-	-	-	-	-	-	485,000	485,000			
Demolition / Disposal	5161767772	Decommissioning Aberdeen Sewage Pumping Station	60,000	60,000	-	-	-	-	140,000	140,000	1,440,000	1,440,000	-	-	1,640,000	1,640,000	2019	2027	
	5162868851	Pier 25 Dredging - Windermere Basin	-	-	-	-	-	-	-	-	200,000	200,000	13,550,000	13,550,000	13,750,000	13,750,000	2027	2029	
	5163066511	Woodward WWTP - Digester Cleanout & Maintenance Program	-	-	-	-	-	-	-	-	-	-	4,500,000	4,500,000	4,500,000	4,500,000	2030	2037	
Demolition / Disposal Total			60,000	60,000	-	-	-	-	140,000	140,000	1,640,000	1,640,000	18,050,000	18,050,000	19,890,000	19,890,000			
Enhancement	5162241350	Pilot solar power installation at a Class B Hamilton Water facility	750,000	750,000	400,000	400,000	-	-	-	-	-	-	-	-	1,150,000	1,150,000	2022	2025	
	5162268757	Lower Chedoke Combined EA Study	1,930,000	-	-	-	1,100,000	-	2,100,000	-	2,100,000	-	-	-	7,230,000	-	2022	2027	
	5162268767	Chedoke Watershed Stormwater Retrofit EA Study	1,380,000	-	-	-	3,150,000	-	3,150,000	-	3,150,000	-	1,150,000	-	11,980,000	-	2022	2028	
	5162360303	Rosemary/Wentworth Regulator Gate (HCG03)	100,000	100,000	200,000	200,000	-	-	-	-	-	-	-	-	300,000	300,000	2023	2024	
	5162362315	Eastport Sanitary Pumping Station Upgrades - Linear	-	-	-	-	910,000	910,000	-	-	2,690,000	2,690,000	2,770,000	2,770,000	6,370,000	6,370,000	2024	2028	
	5162467374	HC058 Binbrook SPS Odour Control	-	-	350,000	350,000	-	-	-	-	-	-	-	-	350,000	350,000	2024	2024	
Enhancement Total			4,160,000	850,000	950,000	950,000	5,160,000	910,000	5,250,000	-	7,940,000	2,690,000	3,920,000	2,770,000	27,380,000	8,170,000			
Expansion / Extension	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	20,058,000	-	7,570,000	2,043,900	7,570,000	2,043,900	57,920,000	15,638,400	108,730,000	29,357,100	275,380,000	74,352,600	477,228,000	123,435,900	2019	2030	
	5162396011	Intensification Infrastructure Upgrades Program - Wastewater	400,000	200,000	-	-	400,000	200,000	-	-	400,000	200,000	1,200,000	600,000	2,400,000	1,200,000	2023	2047	
	5162467373	HC005 Old Dundas Rd SPS Capacity Expansion	-	-	200,000	200,000	550,000	550,000	3,050,000	3,050,000	2,550,000	2,550,000	-	-	6,350,000	6,350,000	2024	2027	
	5162480480	Millen Road Sanitary Sewer QEW crossing	-	-	2,000,000	-	-	-	-	-	-	-	-	-	2,000,000	-	2023	2025	
	5162696475	Flooding & Drainage Master Plan Capital Forecast	-	-	-	-	-	-	-	-	9,310,000	9,310,000	19,470,000	19,470,000	28,780,000	28,780,000	2027	2029	
Expansion / Extension Total			20,458,000	200,000	9,770,000	2,243,900	8,520,000	2,793,900	60,970,000	18,688,400	120,990,000	41,417,100	296,050,000	94,422,600	516,758,000	159,765,900			
Feasibility Plans / EA's/ Studies	5160055470	Capital Infrastructure Inspection & Condition Assessment Program - Linear Wastewater & Storm	-	-	2,500,000	11,000	3,000,000	3,000,000	6,000,000	6,000,000	6,000,000	6,000,000	36,000,000	36,000,000	53,500,000	51,011,000	2024	2048	
	5161555264	City-Wide Wastewater Master Plan	1,230,000	590,000	-	-	-	-	-	-	-	-	700,000	700,000	1,930,000	1,290,000	2015	2028	
	5161695747	Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	22,650,000	-	-	-	-	-	15,000,000	-	15,000,000	-	30,000,000	-	82,650,000	-	2016	2029	
	5162055050	Municipal Class EA Studies	400,000	400,000	200,000	200,000	-	-	-	-	-	-	-	-	600,000	600,000	2020	2024	
	5162055800	Sewer Outfall Monitoring Study	1,150,000	1,150,000	-	-	1,100,000	1,100,000	-	-	-	-	-	-	2,250,000	2,250,000	2020	2025	

**CITY OF HAMILTON
 WASTEWATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5162095800	Flooding & Drainage Master Plan Capital Improvements	1,940,000	1,940,000	-	-	520,000	34,000	210,000	210,000	-	-	-	-	2,670,000	2,184,000	2020	2026
	5162168777	Chedoke Creek Water Quality Improvements (CASH FLOWED)	11,350,000	1,050,000	1,100,000	-	-	-	-	-	-	-	-	-	12,450,000	1,050,000	2021	2024
	5162255242	Combined Sewer Outfall Monitoring Study	800,000	671,470	40,000	40,000	-	-	-	-	-	-	-	-	840,000	711,470	2022	2024
	5162257800	Wastewater Facility Asset Management Implementation Plan	380,000	380,000	110,000	110,000	-	-	-	-	-	-	-	-	490,000	490,000	2022	2024
	5162262305	Ainslie Wood Sewer Improvements	330,000	330,000	550,000	550,000	550,000	550,000	1,100,000	1,100,000	-	-	-	-	2,530,000	2,530,000	2022	2026
	5162349555	QA-QC Service Contract Program	150,000	150,000	345,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,295,000	2,150,000	2023	2048
	5162355010	Wastewater Systems Planning	710,000	710,000	730,000	730,000	750,000	750,000	770,000	770,000	800,000	800,000	4,890,000	4,890,000	8,650,000	8,650,000	2023	2046
	5162355022	Engineering Consultant Sewermain Projects	500,000	500,000	-	-	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,000,000	5,000,000	2023	2048
	5162355556	Mapping Update Program	20,000	20,000	116,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	496,000	420,000	2023	2048
	5162355880	Inflow & Infiltration Studies and Flow Monitoring Program	1,310,000	655,000	1,060,000	530,000	460,000	230,000	480,000	240,000	500,000	250,000	3,080,000	1,540,000	6,890,000	3,445,000	2023	2046
	5162357545	Wastewater Computer Model Update & Maintenance	480,000	480,000	500,000	500,000	330,000	330,000	220,000	220,000	230,000	230,000	1,470,000	1,470,000	3,230,000	3,230,000	2023	2046
	5162366711	Wastewater Treatment Studies Program	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-	-	-	-	600,000	600,000	2023	2026
	5162367752	Wastewater Outstation Inspections - Asset Management Program	1,000,000	1,000,000	620,000	620,000	1,060,000	1,060,000	1,090,000	1,090,000	1,120,000	1,120,000	6,770,000	6,770,000	11,660,000	11,660,000	2023	2046
	5162455789	Plant Maintenance and Reliability Studies	-	-	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	900,000	1,500,000	1,500,000	2024	2048
	5162466575	Greenhouse Gas and Energy Assessment of Hamilton Water Facilities	-	-	400,000	400,000	-	-	-	-	-	-	-	-	400,000	400,000	2024	2024
	5162562543	CSO Characterization Program	360,000	360,000	200,000	200,000	700,000	700,000	220,000	220,000	230,000	230,000	1,300,000	1,300,000	3,010,000	3,010,000	2022	2032
	5163066151	2030 SCADA Master Plan	-	-	-	-	-	-	-	-	-	-	10,125,000	10,125,000	10,125,000	10,125,000	2029	2034
Feasibility Plans / EA's/ Studies Total			44,910,000	10,536,470	8,771,000	4,431,000	9,510,000	8,794,000	26,130,000	10,890,000	24,770,000	9,520,000	99,675,000	68,135,000	213,766,000	112,306,470		
Licenses	5162362073	Field Data Systems Program	110,000	110,000	200,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,300,000	1,210,000	2023	2048
Licenses Total			110,000	110,000	200,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,300,000	1,210,000		
Network Extension	5162360315	Parkside Drive Fire/EMS Facility Servicing	100,000	100,000	800,000	800,000	-	-	-	-	-	-	-	-	900,000	900,000	2023	2024
	5162360316	Parkside Drive Fire/EMS Facility Servicing Interim	100,000	100,000	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,100,000	1,100,000	2023	2024
	5162480481	Barton St Sanitary Sewer - 200m east of McNeilly to Lewis	-	-	869,000	-	-	-	-	-	-	-	-	-	869,000	-	2024	2024
	5162480482	Barton St Sanitary Sewer - Lewis to 350m east of Lewis	-	-	507,000	50,700	-	-	-	-	-	-	-	-	507,000	50,700	2024	2024
	5162480483	Barton St Sanitary Sewer - McNeilly Rd to 200m east of McNeilly Rd	-	-	270,000	-	-	-	-	-	-	-	-	-	270,000	-	2024	2024
	5162580581	Glover Road Sanitary Sewer - Hwy 8 to 900m north, past Watercourse 7	-	-	-	-	724,000	72,400	-	-	-	-	-	-	724,000	72,400	2024	2025
	5162580582	South Service Rd Sanitary Sewer - 50m east of Fifty Rd to 500m east.	-	-	-	-	362,000	-	-	-	-	-	-	-	362,000	-	2025	2025
	5162580583	Glancaster Rd Sanitary Sewer - Book Rd to Dickenson Rd	-	-	-	-	270,000	-	-	-	-	-	-	-	270,000	-	2025	2025
	5162680684	Garth St Extension (Aerial Road 1N) Sanitary Sewer - Smith Rd to Dickenson Rd	-	-	-	-	-	-	331,000	301,210	-	-	-	-	331,000	301,210	2026	2026
	5162680685	Barton St Sanitary Sewer - 350m east of Fruitland Rd to 200m east	-	-	-	-	-	-	319,000	31,900	-	-	-	-	319,000	31,900	2026	2026
	5162680688	Barton St Sanitary Sewer - Jones Rd to 470m east toward Glover Rd	-	-	-	-	-	-	680,000	-	-	-	-	-	680,000	-	2026	2026
Network Extension Total			200,000	200,000	3,446,000	1,850,700	1,356,000	72,400	1,330,000	333,110	-	-	-	-	6,332,000	2,456,210		
New	5161667421	New Haulage Receiving Station	2,950,000	2,950,000	1,070,000	1,070,000	150,000	150,000	150,000	150,000	6,670,000	6,670,000	6,870,000	6,870,000	17,860,000	17,860,000	2016	2028
	5162441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	437,500	437,500	375,000	375,000	1,562,500	1,562,500	1,562,500	1,562,500	5,062,500	5,062,500	5,062,500	5,062,500	14,062,500	14,062,500	2023	2028
New Total			3,387,500	3,387,500	1,445,000	1,445,000	1,712,500	1,712,500	1,712,500	1,712,500	11,732,500	11,732,500	11,932,500	11,932,500	31,922,500	31,922,500		
Rehabilitation / Renovation	5160060471	Capital Infrastructure Renewal Program – Linear Wastewater & Storm	-	-	7,250,000	4,600,000	7,250,000	7,250,000	7,250,000	7,250,000	7,250,000	7,250,000	43,500,000	43,500,000	72,500,000	69,850,000	2024	2048
	5160966910	Woodward WWTP - Biosolids Management Facility	46,810,000	8,227,940	2,770,000	2,243,700	2,770,000	2,243,700	2,770,000	2,243,700	2,770,000	2,243,700	16,620,000	13,462,200	74,510,000	30,664,940	2009	2046
	5161266213	Dundas WWTP Improvements (CASH FLOWED)	4,560,200	4,560,200	1,150,000	1,150,000	1,650,000	1,650,000	2,150,000	2,150,000	26,750,000	26,750,000	105,750,000	105,750,000	142,010,200	142,010,200	2011	2032
	5161267273	Dundas Wastewater Outstations Upgrades	6,340,000	6,340,000	-	-	1,650,000	1,650,000	-	-	-	-	-	-	7,990,000	7,990,000	2011	2025
	5161467756	Greenhill & Cochrane HCS01 Combined Sewer Overflow Tank Cleaning & Upgrades (CASH FLOWED)	5,070,000	5,070,000	350,000	350,000	1,200,000	1,200,000	-	-	-	-	-	-	6,620,000	6,620,000	2014	2025
	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades	7,500,000	6,847,500	200,000	100,000	-	-	-	-	-	-	-	-	7,700,000	6,947,500	2016	2024
	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades	1,480,000	1,480,000	-	-	-	-	4,600,000	4,600,000	4,600,000	4,600,000	44,300,000	44,300,000	54,980,000	54,980,000	2016	2030
	5161966511	Woodward WWTP - Digester 3 & 5 (CASH FLOWED)	15,680,000	15,680,000	1,850,000	1,850,000	150,000	150,000	-	-	-	-	-	-	17,680,000	17,680,000	2019	2025
	5162066813	Dundas WWTP - Health & Safety Immediate Needs	2,400,000	2,400,000	5,150,000	5,150,000	-	-	-	-	-	-	-	-	7,550,000	7,550,000	2020	2024
	5162067065	Eastport Drive SPS (HC017) Interim Upgrades	870,000	870,000	-	-	2,150,000	2,150,000	-	-	-	-	-	-	3,020,000	3,020,000	2020	2025
	5162067420	Main & King CSO Rehabilitation	1,599,000	1,599,000	500,000	500,000	-	-	-	-	-	-	-	-	2,099,000	2,099,000	2020	2024
	5162167420	DC007 McMaster Sewage Pumping Station Upgrades	1,540,000	1,540,000	250,000	250,000	2,750,000	2,750,000	2,750,000	2,750,000	-	-	-	-	7,290,000	7,290,000	2021	2026
	5162262250	Eastern Sewer Interceptor (ESI) - South Service - Fruitland to Green	1,000,000	982,415	-	-	-	-	8,000,000	8,000,000	-	-	-	-	9,000,000	8,982,415	2022	2026
	5162266911	Woodward WWTP - North Digester Complex Rehabilitation (CASH FLOW)	5,050,000	5,050,000	1,600,000	1,600,000	20,750,000	20,750,000	20,750,000	20,750,000	-	-	-	-	48,150,000	48,150,000	2022	2026
	5162267375	Beach Boulevard (HC051) Wastewater Pump Station Upgrades	2,740,000	740,000	-	-	-	-	770,000	770,000	770,000	770,000	19,300,000	19,300,000	23,580,000	21,580,000	2022	2029
	5162267585	Diesel Fuel Storage Compliance Upgrades	1,100,000	1,100,000	3,300,000	3,300,000	-	-	-	-	-	-	-	-	4,400,000	4,400,000	2022	2024
	5162311101	Road Cut Restoration Program	1,800,000	1,800,000	2,300,000	691,000	2,300,000	2,300,000	2,300,000	2,300,000	2,300,000	2,300,000	13,800,000	13,800,000	24,800,000	23,191,000	2023	2048

**CITY OF HAMILTON
 WASTEWATER SYSTEM
 2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5162360302	Cross Connections Program	-	-	400,000	400,000	400,000	400,000	350,000	350,000	100,000	100,000	600,000	600,000	1,850,000	1,850,000	2024	2048
	5162360522	Sewer Lateral Management Program (WWC)	1,000,000	1,000,000	5,340,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	21,000,000	21,000,000	37,840,000	36,000,000	2023	2047
	5162360942	Ancaster Sewage Works Sewer & Pipe Bridge Rehabilitation - Hwy 403 to Bluebell	300,000	-	500,000	500,000	-	-	-	-	4,000,000	4,000,000	-	-	4,800,000	4,500,000	2023	2027
	5162361741	Resetting or Adjusting of Wastewater Utility Structures	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,750,000	2,750,000	2023	2047
	5162366223	Dundas WWTP Immediate Needs	1,400,000	1,400,000	-	-	3,950,000	3,950,000	-	-	-	-	-	-	5,350,000	5,350,000	2023	2025
	5162366420	Woodward WWTP - Primary Clarifiers (Galleries 1-8)	2,240,000	2,240,000	14,650,000	14,650,000	14,650,000	14,650,000	-	-	-	-	-	-	31,540,000	31,540,000	2022	2026
	5162366712	Wastewater Maintenance - Rebuild, Replacement and New Capital	300,000	300,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000	6,000,000	10,300,000	10,300,000	2023	2048
	5162366713	Wastewater Capital Maintenance Program	3,000,000	3,000,000	4,000,000	3,350,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	25,000,000	24,350,000	2023	2046
	5162367425	Beach Boulevard (HC031) Wastewater Pumping Station Upgrades	830,000	830,000	660,000	660,000	660,000	660,000	7,850,000	7,850,000	7,350,000	7,350,000	-	-	17,350,000	17,350,000	2023	2027
	5162369075	City Environmental Lab Improvements Program	-	-	-	-	80,000	80,000	105,000	105,000	1,100,000	1,100,000	1,415,000	1,415,000	2,700,000	2,700,000	2024	2047
	5162460051	Satellite City - Phase 2	-	-	2,000,000	2,000,000	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2024	2024
	5162460372	Large Sewer Lining - Blanshard St: Locke St to Poulette St	-	-	500,000	500,000	2,500,000	2,500,000	-	-	-	-	-	-	3,000,000	3,000,000	2023	2025
	5162460572	Large Sewer Lining - Upper James - Inverness to Claremont	-	-	180,000	180,000	3,000,000	3,000,000	-	-	-	-	-	-	3,180,000	3,180,000	2024	2025
	5162460592	Strathearne - Barton to Brampton	-	-	200,000	200,000	500,000	500,000	-	-	7,280,000	7,280,000	-	-	7,980,000	7,980,000	2024	2027
	5162461401	Mountain Industrial Trunk Sewer Rehab - Glover to Rymal	-	-	500,000	500,000	7,000,000	7,000,000	-	-	-	-	-	-	7,500,000	7,500,000	2024	2025
	5162461402	Governor's Rd - Sanitary Trunk Rehabilitation	-	-	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,000,000	1,000,000	2024	2024
	5162466220	Dundas WWTP Digester Storage Tank Upgrades	-	-	1,000,000	1,000,000	3,900,000	3,900,000	-	-	-	-	-	-	4,900,000	4,900,000	2024	2025
	5162467372	HC007 St Margarets SPS & HC010 Sulphur Springs SPS Upgrades	-	-	-	-	-	-	1,710,000	1,710,000	6,450,000	6,450,000	-	-	8,160,000	8,160,000	2026	2027
	5162467375	Parkdale Wastewater Outstation (HC001) Health & Safety Upgrades	-	-	1,210,000	1,210,000	-	-	-	-	-	-	-	-	1,210,000	1,210,000	2024	2024
	5162467586	HC017 Eastport Underground Diesel Storage Tank	-	-	130,000	130,000	550,000	550,000	-	-	-	-	-	-	680,000	680,000	2024	2025
	5162561420	West 31st 400mm Forcemain Replacement & Rehabilitation	-	-	-	-	3,500,000	3,500,000	-	-	-	-	-	-	3,500,000	3,500,000	2025	2025
	5162567470	DC008 King Street East SPS Upgrades	-	-	-	-	770,000	770,000	2,650,000	2,650,000	-	-	-	-	3,420,000	3,420,000	2025	2026
	5162661601	Large Sewer Lining - Claremont Access to James St S	-	-	-	-	-	-	500,000	500,000	-	-	6,000,000	6,000,000	6,500,000	6,500,000	2026	2028
	5162667751	Wastewater Outstation Upgrades - Asset Management Program	-	-	-	-	-	-	-	-	9,500,000	9,500,000	57,000,000	57,000,000	66,500,000	66,500,000	2024	2048
Rehabilitation / Renovation Total			114,859,200	73,307,055	60,190,000	52,814,700	90,830,000	90,303,700	71,255,000	70,728,700	86,970,000	86,443,700	348,785,000	345,627,200	772,889,200	719,225,055		
Replacement	5162360711	PW Capital Water Consumption Program	-	-	-	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,250,000	2,250,000	2024	2048
	5162360820	Open Cut Repairs for CIPP Program	500,000	500,000	500,000	80,000	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,500,000	5,080,000	2023	2048
	5162361740	Unscheduled Manhole and Sewermain Replacement Program	650,000	650,000	980,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	3,800,000	3,800,000	7,380,000	7,050,000	2023	2048
	5162366151	SCADA Maintenance Program	275,000	275,000	275,000	275,000	900,000	900,000	275,000	275,000	1,400,000	1,400,000	900,000	900,000	4,025,000	4,025,000	2023	2046
	5162367065	Replacement of the Eastport Sanitary Pumping Station	-	-	400,000	400,000	1,170,000	1,170,000	660,000	660,000	680,000	680,000	13,450,000	13,450,000	16,360,000	16,360,000	2023	2030
	5162371074	Contingency for Unscheduled Works Program	-	-	-	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000	900,000	900,000	2024	2048
	5162418420	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	-	-	3,500,000	3,200,000	-	-	-	-	-	-	-	-	3,500,000	3,200,000	2024	2028
	5162466121	Woodward WWTP - Dewatering Polymer System Upgrades	-	-	300,000	300,000	1,500,000	1,500,000	-	-	-	-	-	-	1,800,000	1,800,000	2024	2025
	5162466152	SCADA HVAC Maintenance Program	-	-	-	-	-	-	-	-	175,000	175,000	1,050,000	1,050,000	1,225,000	1,225,000	2027	2048
	5162561305	John - Cannon to Barton	-	-	-	-	250,000	250,000	-	-	-	-	-	-	250,000	250,000	2025	2025
	5162596850	Locke - King To York and Margaret - Main To King And King St - Margaret To Locke (W-19)	-	-	-	-	225,000	225,000	-	-	-	-	-	-	225,000	225,000	2024	2025
	5162968920	Fennell/Greenhill Drop Shaft	-	-	-	-	-	-	-	-	-	-	14,850,000	14,850,000	14,850,000	14,850,000	2029	2030
Replacement Total			1,425,000	1,425,000	5,955,000	4,905,000	5,545,000	5,545,000	2,435,000	2,435,000	3,755,000	3,755,000	39,150,000	39,150,000	58,265,000	57,215,000		
Safety/ Security	5162266351	Woodward SCADA Cybersecurity Program	125,000	125,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,125,000	2,125,000	2022	2048
Safety/ Security Total			125,000	125,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,125,000	2,125,000		
Staffing Costs	5162301099	Engineering Services Staffing Costs - Wastewater	4,750,000	4,750,000	4,500,000	3,818,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,750,000	49,068,000	2023	2048
Staffing Costs Total			4,750,000	4,750,000	4,500,000	3,818,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,750,000	49,068,000		
Unspecified Projects	5162400001	Unspecified Wastewater Projects - NOT TO BE SET UP IN PEOPLESOFT	-	-	-	-	-	-	-	-	-	-	253,906,843	253,906,843	253,906,843	253,906,843	2028	2033
Unspecified Projects Total			-	-	-	-	-	-	-	-	-	-	253,906,843	253,906,843	253,906,843	253,906,843		
Grand Total			203,648,700	94,751,025	106,392,000	72,983,300	130,993,500	118,491,500	177,912,500	112,646,710	265,092,500	164,493,300	1,108,439,343	870,964,143	1,992,478,543	1,434,329,978		

Appendix "P" to Report FCS23100
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SOURCE OF CAPITAL FINANCING
2024 to 2033 RATE PROGRAM CAPITAL BUDGET
\$(000'S)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2024 to 2033
STORM SEWERS											
Capital Program	51,211	76,497	35,820	56,540	59,340	50,690	47,957	76,670	80,308	133,643	668,676
<u>Source of Funding</u>											
Subsidy/Other Revenue	-	11,000	1,574	75	75	75	75	75	75	75	13,099
Development Charges	22,350	27,482	4,000	4,000	4,000	5,056	4,000	4,660	4,000	4,000	83,548
Reserves & Other Internal Sources	3,003	-	-	-	-	-	-	-	-	-	3,003
Contribution from Operating	19,858	28,015	20,246	42,465	46,265	45,559	43,882	71,935	76,233	129,568	524,026
External Debt	6,000	10,000	10,000	10,000	9,000	-	-	-	-	-	45,000
Total	51,211	76,497	35,820	56,540	59,340	50,690	47,957	76,670	80,308	133,643	668,676

**City of Hamilton
Storm Water Management
2024 Capital Budget Project List
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Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Coordinated - Network Extension	5182271328	Southcote - Garner to Highway 403 Bridge	1,260,000	-	-	-	-	-	1,260,000	-	1,260,000
	5182471325	CCBF - Corktown Neighbourhood - Phase 2	1,000,000	-	-	-	-	-	1,000,000	1,000,000	-
Coordinated - Network Extension Total			2,260,000	-	-	-	-	-	2,260,000	1,000,000	1,260,000
Coordinated - Rehabilitation	5182470235	Mountain Park Ave Phase 02 - East Of Poplar Ave To Bridge Over Sherman Access and Mountain Brow Trail	100,000	-	-	-	-	-	100,000	100,000	-
	5182471089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	450,000	-	-	-	-	-	450,000	450,000	-
	5182471322	Birch Ave (Phase 2) - Princess St to Burlington St	150,000	-	-	-	-	-	150,000	150,000	-
Coordinated - Rehabilitation Total			700,000	-	-	-	-	-	700,000	700,000	-
Coordinated - Replacement	5182172210	Barton - Parkdale to Talbot	320,000	-	-	-	-	-	320,000	320,000	-
	5182371309	Wilson - Wentworth to Sherman	100,000	-	-	-	-	-	100,000	100,000	-
	5182471114	Pinelands / Teal / Garden / Community / Greensfield	100,000	-	-	-	-	-	100,000	100,000	-
	5182471305	Upper James - Mohawk to Fennell	100,000	-	-	-	-	-	100,000	100,000	-
Coordinated - Replacement Total			620,000	-	-	-	-	-	620,000	620,000	-
Coordinated - Upgrade			150,000	-	-	-	-	-	150,000	150,000	-
Coordinated - Upgrade Total			150,000	-	-	-	-	-	150,000	150,000	-
Coordinated Replacement (50/50)			240,000	-	-	-	-	-	240,000	240,000	-
Coordinated Replacement (50/50) Total			240,000	-	-	-	-	-	240,000	240,000	-
Expansion / Extension	5181972940	Evans Road Culvert Twinning	135,000	-	-	-	-	88,000	47,000	47,000	-
Expansion / Extension Total			135,000	-	-	-	-	88,000	47,000	47,000	-
Feasibility Plans / EA's / Studies	5182317550	Small Culvert Rehab/Repair - Engineering Services	363,000	-	-	-	-	363,000	-	-	-
	5182349555	QA-QC Service Contract Program	200,000	-	-	-	-	-	200,000	200,000	-
	5182355340	Stormwater & Drainage Studies	300,000	-	-	-	-	-	300,000	300,000	-
	5182355347	Watercourse Erosion Sites Rehabilitation and Mitigation	320,000	-	-	-	-	-	320,000	320,000	-
	5182355421	Stormwater System Planning Program	440,000	-	-	-	-	-	440,000	440,000	-
	5182355556	Mapping Update Program	117,000	-	-	-	-	77,000	40,000	40,000	-
	5182357545	Stormwater Computer Model and Flow Monitoring	1,220,000	-	-	-	-	-	1,220,000	1,220,000	-
	5182367751	Stormwater Infrastructure Criticality Assessment	320,000	-	-	-	-	-	320,000	320,000	-
	5182368678	City of Hamilton Watershed Action Plan	200,000	-	-	-	-	-	200,000	200,000	-
	5182374680	Storm Sewer Network Planning - Transportation Program	750,000	-	-	-	-	-	750,000	750,000	-
	5182374840	Stormwater Analysis for Bridge, Culvert and Ditch Replacement Projects	570,000	-	-	-	-	-	570,000	570,000	-
	5182374951	Shoreline Protection Program	1,000,000	-	-	-	-	250,000	750,000	750,000	-
	5182418401	Citywide Driveway Culvert and Ditch Identification	675,000	-	-	-	-	-	675,000	675,000	-
	5182455425	Stormwater Marketing Campaign	150,000	-	-	-	-	150,000	-	-	-
5182480484	Dartnall Rd Extension SWM Strategy Study	300,000	-	-	300,000	-	-	-	-	-	
Feasibility Plans / EA's / Studies Total			6,925,000	-	-	300,000	-	840,000	5,785,000	5,785,000	-
Licenses	5182362073	Field Data Systems Program	194,000	-	-	-	-	84,000	110,000	110,000	-
Licenses Total			194,000	-	-	-	-	84,000	110,000	110,000	-
Network Extension	5182360315	Parkside Drive Fire/EMS Facility Servicing	2,340,000	-	-	-	-	-	2,340,000	2,340,000	-
Network Extension Total			2,340,000	-	-	-	-	-	2,340,000	2,340,000	-
New	5182067875	Beach Strip Stormwater Pumping Stations (CASH FLOWED)	830,000	-	-	-	-	-	830,000	-	830,000
	5182323875	Beach Strip Stormwater Collection System Improvements	620,000	-	-	-	-	-	620,000	-	620,000
	5182380090	Storm Water Management Program	4,000,000	-	-	4,000,000	-	-	-	-	-
	5182460214	SERG - Parkside & Kipling Stormwater Infrastructure - CASH FLOW	200,000	-	-	-	-	-	200,000	20,000	180,000
	5182480491	SWMP - SCM22 - Nash Neighbourhood - Davis Creek Subwatershed Study	2,970,000	-	-	2,970,000	-	-	-	-	-
	5182480496	SWMP - SCL12 - Block 3 - Fruitland/Winona Subwatershed Study (Phase 3)	10,334,000	-	-	10,334,000	-	-	-	-	-
	5182480497	SWMP - SCM21 - Nash Neighbourhood - Davis Creek	4,746,000	-	-	4,746,000	-	-	-	-	-
New Total			23,700,000	-	-	22,050,000	-	-	1,650,000	20,000	1,630,000
Rehabilitation / Renovation	5181767723	Grafton and Centennial Stormwater Pumping Stations - Standby Power	750,000	-	-	-	-	-	750,000	750,000	-
	5182317152	Right of Way Drainage Program	2,470,000	-	-	-	-	-	2,470,000	2,470,000	-
	5182317549	Concrete Box Culvert Rehab/Repair - T.O.M.	250,000	-	-	-	-	-	250,000	250,000	-
	5182360622	SWM Facility Maintenance Program	2,087,000	-	-	-	-	87,000	2,000,000	2,000,000	-
	5182374950	Watercourse and Drainage Channel Maintenance	1,260,000	-	-	-	-	800,000	460,000	460,000	-
	5182417402	Sydenham Hill Cross Culvert Replacements	320,000	-	-	-	-	-	320,000	320,000	-
	5182460430	Queenston Storm Sewer Rehabilitation	500,000	-	-	-	-	-	500,000	500,000	-
Rehabilitation / Renovation Total			7,637,000	-	-	-	887,000	6,750,000	6,750,000	-	

**City of Hamilton
 Storm Water Management
 2024 Capital Budget Project List
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Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Replacement	5181874841	Lower Davis Creek - Flood Control Facility	300,000	-	-	-	-	-	300,000	300,000	-
	5182317458	Catch Basin Replacement/Rehabilitation Program	750,000	-	-	-	-	-	750,000	750,000	-
	5182318320	Woodhill Road Culvert	1,500,000	-	-	-	-	-	1,500,000	-	1,500,000
	5182361740	Unscheduled Manhole and Sewermain Replacement Program	200,000	-	-	-	-	-	200,000	200,000	-
	5182372074	Contingency for Unscheduled Works Program	100,000	-	-	-	-	100,000	-	-	-
	5182460420	Culvert HAM-37223 and Slope Stabilization - Sanatorium - 200m N/O Scenic	150,000	-	-	-	-	-	150,000	150,000	-
	5182460421	Culvert ANC 33332 - Westbound Golf Links Offramp	500,000	-	-	-	-	-	500,000	-	500,000
	5182461451	Church Street Storm Outfall Replacement	500,000	-	-	-	-	-	500,000	-	500,000
	5182471421	771 Safari Road Culverts	610,000	-	-	-	-	-	610,000	-	610,000
Replacement Total			4,610,000	-	-	-	-	100,000	4,510,000	1,400,000	3,110,000
Staffing Costs	5182301099	Engineering Services Staffing Costs - Storm	1,700,000	-	-	-	-	1,004,000	696,000	696,000	-
Staffing Costs Total			1,700,000	-	-	-	-	1,004,000	696,000	696,000	-
Grand Total			51,211,000	-	-	22,350,000	-	3,003,000	25,858,000	19,858,000	6,000,000

CITY OF HAMILTON
STORM WATER MANAGEMENT
2024 - 2033 CAPITAL BUDGET LIST (\$)

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
Coordinated - Network Extension	5182271328	Southcote - Garner to Highway 403 Bridge	4,708,028	1,533,828	1,260,000	1,260,000	-	-	-	-	-	-	-	-	5,968,028	2,793,828	2022	2024
	5182471325	CCBF - Corktown Neighbourhood - Phase 2	-	-	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,000,000	1,000,000	2024	2024
	5182572021	Highland Rd W - First Rd W to Upper Centennial	-	-	-	-	2,900,000	2,900,000	-	-	-	-	-	-	2,900,000	2,900,000	2025	2025
	5182871115	Westdale North Neighbourhood Phase 2	-	-	-	-	-	-	-	-	-	-	2,500,000	2,500,000	2,500,000	2,500,000	2028	2028
	5182971113	Westdale North Neighbourhood Phase 3	-	-	-	-	-	-	-	-	-	-	1,250,000	1,250,000	1,250,000	1,250,000	2029	2029
	5183180086	Parkside Dr Urbanization - Phase 2 - Storm Sewer	-	-	-	-	-	-	-	-	-	-	1,100,000	440,000	1,100,000	440,000	2022	2031
Coordinated - Network Extension Total			4,708,028	1,533,828	2,260,000	2,260,000	2,900,000	2,900,000	-	-	-	-	4,850,000	4,190,000	14,718,028	10,883,828		
Coordinated - Rehabilitation	5182470235	Mountain Park Ave Phase 02 - East Of Poplar Ave To Bridge Over Sherman Access and Mountain Brow Trail	-	-	100,000	100,000	-	-	-	-	-	-	-	-	100,000	100,000	2024	2024
	5182471089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	-	-	450,000	450,000	-	-	-	-	-	-	-	-	450,000	450,000	2024	2024
	5182471322	Birch Ave (Phase 2) - Princess St to Burlington St	-	-	150,000	150,000	-	-	-	-	-	-	-	-	150,000	150,000	2024	2024
	5182518372	Wilson St E, 1500m e/o Rousseaux - Culvert Rehab	-	-	-	-	300,000	300,000	-	-	-	-	-	-	300,000	300,000	2025	2025
Coordinated - Rehabilitation Total			-	-	700,000	700,000	300,000	300,000	-	-	-	-	-	-	1,000,000	1,000,000		
Coordinated - Replacement	5182172205	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)	210,000	30,000	-	-	600,000	600,000	-	-	-	-	-	-	810,000	630,000	2021	2025
	5182172210	Barton - Parkdale to Talbot	1,530,000	1,530,000	320,000	320,000	-	-	-	-	-	-	-	-	1,850,000	1,850,000	2021	2024
	5182271312	Streathearne - Main to Britannia	1,000,000	1,000,000	-	-	700,000	700,000	-	-	-	-	-	-	1,700,000	1,700,000	2022	2025
	5182371309	Wilson - Wentworth to Sherman	530,000	-	100,000	100,000	-	-	-	-	-	-	-	-	630,000	100,000	2023	2024
	5182471114	Pinelands / Teal / Garden / Community / Greensfield	-	-	100,000	100,000	-	-	-	-	-	-	-	-	100,000	100,000	2024	2024
	5182471305	Upper James - Mohawk to Fennell	-	-	100,000	100,000	6,000,000	6,000,000	-	-	-	-	-	-	6,100,000	6,100,000	2024	2025
	5182571030	Nebo - Rymal to Stone Church	-	-	-	-	3,000,000	3,000,000	-	-	-	-	-	-	3,000,000	3,000,000	2025	2025
	5182672304	Hatt & Bond - King to Market (Phase 1)	-	-	-	-	-	-	2,100,000	2,100,000	-	-	-	-	2,100,000	2,100,000	2023	2026
	5182772021	Industrial - Ottawa to Gage / Gage / Depew	-	-	-	-	-	-	-	-	400,000	400,000	-	-	400,000	400,000	2027	2027
	5182872208	Burlington & Industrial - Ottawa to Kenilworth	-	-	-	-	-	-	-	-	-	-	700,000	700,000	700,000	700,000	2028	2028
	5182971020	Sanford - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	1,200,000	1,200,000	1,200,000	1,200,000	2029	2029
	5183072298	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	-	-	-	-	-	-	-	-	-	-	850,000	850,000	850,000	850,000	2030	2030
Coordinated - Replacement Total			3,270,000	2,560,000	620,000	620,000	10,300,000	10,300,000	2,100,000	2,100,000	400,000	400,000	2,750,000	2,750,000	19,440,000	18,730,000		
Coordinated - Upgrade	5182472422	Byron and Aubrey Urbanization	-	-	150,000	150,000	-	-	2,800,000	2,800,000	-	-	-	-	2,950,000	2,950,000	2024	2026
	5183072293	Hughson - Wilson to Barton	-	-	-	-	-	-	-	-	-	-	280,000	280,000	280,000	280,000	2030	2030
Coordinated - Upgrade Total			-	-	150,000	150,000	-	-	2,800,000	2,800,000	-	-	280,000	280,000	3,230,000	3,230,000		
Coordinated Replacement (50/50)			1,700,000	1,700,000	240,000	240,000	-	-	-	-	-	-	-	-	1,940,000	1,940,000	2021	2024
Coordinated Replacement (50/50) Total			1,700,000	1,700,000	240,000	240,000	-	-	-	-	-	-	-	-	1,940,000	1,940,000		
Enhancement	5181823155	South St E and East St S in Dundas Drainage Improvement - SERG	340,000	340,000	-	-	1,280,000	1,280,000	-	-	-	-	-	-	1,620,000	1,620,000	2018	2025
	5181872295	SERG - Winona Area Drainage Improvements	1,216,000	1,216,000	-	-	-	-	220,000	220,000	-	-	1,400,000	1,400,000	2,836,000	2,836,000	2018	2028
	5182696475	Flooding & Drainage Master Plan Capital Forecast	-	-	-	-	-	-	-	-	27,880,000	27,880,000	58,310,000	58,310,000	86,190,000	86,190,000	2021	2029
Enhancement Total			1,556,000	1,556,000	-	-	1,280,000	1,280,000	220,000	220,000	27,880,000	27,880,000	59,710,000	59,710,000	90,646,000	90,646,000		
Expansion / Extension	5181972940	Evans Road Culvert Twinning	1,330,000	1,330,000	135,000	47,000	-	-	-	-	-	-	-	-	1,465,000	1,377,000	2019	2024
	Expansion / Extension Total			1,330,000	1,330,000	135,000	47,000	-	-	-	-	-	-	-	1,465,000	1,377,000		
Feasibility Plans / EA's/ Studies	5182095800	Flooding & Drainage Master Plan Capital Improvements	1,940,000	1,940,000	-	-	510,000	24,000	210,000	210,000	-	-	-	-	2,660,000	2,174,000	2020	2026
	5182317550	Small Culvert Rehab/Repair - Engineering Services	550,000	-	363,000	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	3,163,000	2,250,000	2023	2048
	5182349555	QA-QC Service Contract Program	-	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,000,000	2,000,000	2024	2048
	5182355340	Stormwater & Drainage Studies	500,000	500,000	300,000	300,000	300,000	300,000	300,000	300,000	-	-	-	-	1,400,000	1,400,000	2023	2026
	5182355347	Watercourse Erosion Sites Rehabilitation and Mitigation	310,000	310,000	320,000	320,000	3,510,000	3,510,000	340,000	340,000	350,000	350,000	14,560,000	14,560,000	19,390,000	19,390,000	2023	2035
	5182355421	Stormwater System Planning Program	420,000	420,000	440,000	440,000	460,000	460,000	480,000	480,000	500,000	500,000	3,180,000	3,180,000	5,480,000	5,480,000	2023	2046
	5182355556	Mapping Update Program	20,000	20,000	117,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	497,000	420,000	2023	2048
	5182357545	Stormwater Computer Model and Flow Monitoring	-	-	1,220,000	1,220,000	1,260,000	1,260,000	100,000	100,000	350,000	350,000	2,240,000	2,240,000	5,170,000	5,170,000	2023	2046
	5182367751	Stormwater Infrastructure Criticality Assessment	-	-	320,000	320,000	330,000	330,000	340,000	340,000	350,000	350,000	2,240,000	2,240,000	3,580,000	3,580,000	2024	2046
	5182368678	City of Hamilton Watershed Action Plan	220,000	220,000	200,000	200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000	6,000,000	10,020,000	10,020,000	2023	2032
	5182374680	Storm Sewer Network Planning - Transportation Program	720,000	720,000	750,000	750,000	780,000	780,000	810,000	810,000	840,000	840,000	5,310,000	5,310,000	9,210,000	9,210,000	2023	2046
	5182374840	Stormwater Analysis for Bridge, Culvert and Ditch Replacement Projects	305,000	305,000	570,000	570,000	590,000	590,000	610,000	610,000	630,000	630,000	3,950,000	3,950,000	6,655,000	6,655,000	2023	2046
	5182374951	Shoreline Protection Program	-	-	1,000,000	750,000	150,000	150,000	400,000	400,000	750,000	750,000	2,600,000	2,600,000	4,900,000	4,650,000	2024	2047
	5182418401	Citywide Driveway Culvert and Ditch Identification	-	-	675,000	675,000	-	-	-	-	-	-	-	-	675,000	675,000	2024	2024
	5182455422	Stormwater Master Plan	-	-	-	-	-	-	-	-	-	-	1,320,000	264,000	1,320,000	264,000	2024	2034

CITY OF HAMILTON
STORM WATER MANAGEMENT
2024 - 2033 CAPITAL BUDGET LIST (\$)

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
	5182455425	Stormwater Marketing Campaign	-	-	150,000	-	100,000	100,000	-	-	-	-	-	-	250,000	100,000	2024	2025
	5182467752	Stormwater Outstations Inspections - Asset Management Program	-	-	-	-	-	-	-	-	-	-	550,000	550,000	550,000	550,000	2030	2030
	5182480484	Dartnall Rd Extension SWM Strategy Study	-	-	300,000	-	-	-	-	-	-	-	-	-	300,000	-	2024	2024
Feasibility Plans / EA's/ Studies Total			4,985,000	4,435,000	6,925,000	5,785,000	9,680,000	9,194,000	5,280,000	5,280,000	5,460,000	5,460,000	44,890,000	43,834,000	77,220,000	73,988,000		
Licenses	5182362073	Field Data Systems Program	110,000	110,000	194,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,294,000	1,210,000	2023	2048
Licenses Total			110,000	110,000	194,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,294,000	1,210,000		
Network Extension	5182360315	Parkside Drive Fire/EMS Facility Servicing	100,000	100,000	2,340,000	2,340,000	-	-	-	-	-	-	-	-	2,440,000	2,440,000	2023	2024
	5182561306	Amelia - Queen to West End	-	-	-	-	100,000	100,000	550,000	550,000	-	-	-	-	650,000	650,000	2025	2026
	5182571307	Duke - Hess to west end & Robinson - Queen to west end	-	-	-	-	575,000	575,000	-	-	-	-	-	-	575,000	575,000	2025	2025
	5182571312	Aberdeen - Queen to Studholme	-	-	-	-	100,000	100,000	1,500,000	1,500,000	-	-	-	-	1,600,000	1,600,000	2025	2026
Network Extension Total			100,000	100,000	2,340,000	2,340,000	775,000	775,000	2,050,000	2,050,000	-	-	-	-	5,265,000	5,265,000		
New	5182067875	Beach Strip Stormwater Pumping Stations (CASH FLOWED)	1,560,000	1,560,000	830,000	830,000	4,360,000	-	8,200,000	6,701,000	3,930,000	3,930,000	-	-	18,880,000	13,021,000	2020	2027
	5182323875	Beach Strip Stormwater Collection System Improvements	185,000	185,000	620,000	620,000	-	-	2,950,000	2,950,000	-	-	-	-	3,755,000	3,755,000	2022	2032
	5182380090	Storm Water Management Program	-	-	4,000,000	-	4,000,000	-	4,000,000	-	4,000,000	-	24,000,000	-	40,000,000	-	2024	2047
	5182460214	SERG - Parkside & Kipling Stormwater Infrastructure - CASH FLOW	-	-	200,000	200,000	6,900,000	1,464,000	-	-	4,700,000	4,700,000	3,300,000	3,300,000	15,100,000	9,664,000	2023	2038
	5182480491	SWMP - SCM22 - Nash Neighbourhood - Davis Creek Subwatershed Study	-	-	2,970,000	-	-	-	-	-	-	-	-	-	2,970,000	-	2024	2024
	5182480496	SWMP - SCL12 - Block 3 - Fruitland/Winona Subwatershed Study (Phase 3)	-	-	10,334,000	-	-	-	-	-	-	-	-	-	10,334,000	-	2024	2024
	5182480497	SWMP - SCM21 - Nash Neighbourhood - Davis Creek	-	-	4,746,000	-	-	-	-	-	-	-	-	-	4,746,000	-	2024	2024
	5182580590	SWMP - H28 - 305 Stone Church Road West	-	-	-	-	5,175,000	-	-	-	-	-	-	-	5,175,000	-	2025	2025
	5182580592	SWMP - BMH21 - Binbrook Settlement Area	-	-	-	-	4,036,000	-	-	-	-	-	-	-	4,036,000	-	2025	2025
	5182580593	SWMP - BMH24 - Caterini Subdivision	-	-	-	-	2,089,000	-	-	-	-	-	-	-	2,089,000	-	2024	2025
	5182580594	SWMP - SCL29 - Block 1 - Fruitland/Winona	-	-	-	-	7,458,000	-	-	-	-	-	-	-	7,458,000	-	2025	2025
	5182580595	SWMP - SCL30 - Block 1 - Fruitland/Winona Subwatershed Study (Phase 3)	-	-	-	-	4,724,000	-	-	-	-	-	-	-	4,724,000	-	2025	2025
New Total			1,745,000	1,745,000	23,700,000	1,650,000	38,742,000	1,464,000	15,150,000	9,651,000	12,630,000	8,630,000	27,300,000	3,300,000	119,267,000	26,440,000		
Rehabilitation / Renovation	5181372295	SERG - Mount Albion Stormwater Management Facility Rehabilitation	780,000	780,000	-	-	550,000	550,000	-	-	-	-	-	-	1,330,000	1,330,000	2013	2025
	5181767723	Grafton and Centennial Stormwater Pumping Stations - Standby Power	3,050,000	3,050,000	750,000	750,000	-	-	50,000	50,000	-	-	-	-	3,850,000	3,850,000	2017	2026
	5182317152	Right of Way Drainage Program	1,500,000	-	2,470,000	2,470,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	21,970,000	20,470,000	2023	2048
	5182317549	Concrete Box Culvert Rehab/Repair - T.O.M.	250,000	-	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,750,000	2,500,000	2023	2048
	5182318086	Culvert rehabilitation (Bridge 086) - Cross St, 25 metres south of Alma St	100,000	-	-	-	1,700,000	1,700,000	-	-	-	-	-	-	1,800,000	1,700,000	2023	2025
	5182360622	SWM Facility Maintenance Program	2,500,000	2,500,000	2,087,000	2,000,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	15,000,000	27,087,000	27,000,000	2023	2047
	5182360722	Municipal Drain Program	-	-	-	-	100,000	25,000	100,000	25,000	100,000	25,000	600,000	150,000	900,000	225,000	2025	2047
	5182374950	Watercourse and Drainage Channel Maintenance	-	-	1,260,000	460,000	860,000	860,000	460,000	460,000	460,000	460,000	3,030,000	3,030,000	6,070,000	5,270,000	2024	2047
	5182417402	Sydenham Hill Cross Culvert Replacements	-	-	320,000	320,000	-	-	-	-	-	-	-	-	320,000	320,000	2024	2024
	5182460430	Queenston Storm Sewer Rehabilitation	-	-	500,000	500,000	-	-	-	-	-	-	-	-	500,000	500,000	2024	2024
	5182761073	Large Sewermain Lining - Stanley Ave	-	-	-	-	-	-	-	-	2,000,000	2,000,000	-	-	2,000,000	2,000,000	2027	2027
	5183174342	751 Mud St E Drainage Cleanout	-	-	-	-	-	-	-	-	-	-	400,000	400,000	400,000	400,000	2031	2031
Rehabilitation / Renovation Total			8,180,000	6,330,000	7,637,000	6,750,000	7,960,000	7,885,000	5,360,000	5,285,000	7,310,000	7,235,000	32,530,000	32,080,000	68,977,000	65,565,000		
Replacement	5181874841	Lower Davis Creek - Flood Control Facility	550,000	330,000	300,000	300,000	1,350,000	707,000	-	-	-	-	-	-	2,200,000	1,337,000	2018	2025
	5182317458	Catch Basin Replacement/Rehabilitation Program	500,000	500,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	4,500,000	4,500,000	8,000,000	8,000,000	2023	2048
	5182318320	Woodhill Road Culvert	100,000	100,000	1,500,000	1,500,000	-	-	-	-	-	-	-	-	1,600,000	1,600,000	2023	2024
	5182361740	Unscheduled Manhole and Sewermain Replacement Program	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,200,000	2,200,000	2023	2047
	5182372074	Contingency for Unscheduled Works Program	100,000	-	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000	1,100,000	900,000	2023	2048
	5182460420	Culvert HAM-37223 and Slope Stabilization - Sanatorium - 200m N/O Scenic	-	-	150,000	150,000	350,000	350,000	-	-	-	-	-	-	500,000	500,000	2024	2025
	5182460421	Culvert ANC 33332 - Westbound Golf Links Offramp	-	-	500,000	500,000	-	-	-	-	-	-	-	-	500,000	500,000	2024	2024
	5182461451	Church Street Storm Outfall Replacement	-	-	500,000	500,000	-	-	-	-	-	-	-	-	500,000	500,000	2024	2024
	5182471421	771 Safari Road Culverts	-	-	610,000	610,000	-	-	-	-	-	-	-	-	610,000	610,000	2024	2024
	5182872295	Main - Prospect to Gage - SERG B-3	-	-	-	-	-	-	-	-	-	-	1,710,000	1,710,000	1,710,000	1,710,000	2028	2028
Replacement Total			1,450,000	1,130,000	4,610,000	4,510,000	2,750,000	2,107,000	1,050,000	1,050,000	1,050,000	1,050,000	8,010,000	8,010,000	18,920,000	17,857,000		

CITY OF HAMILTON
STORM WATER MANAGEMENT
2024 - 2033 CAPITAL BUDGET LIST (\$)

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Year	Year								
Staffing Costs	5182301099	Engineering Services Staffing Costs - Storm	1,600,000	1,600,000	1,700,000	696,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	10,200,000	10,200,000	18,600,000	17,596,000	2023	2048
Staffing Costs Total			1,600,000	1,600,000	1,700,000	696,000	1,700,000	1,700,000	1,700,000	1,700,000	1,700,000	10,200,000	10,200,000	18,600,000	17,596,000			
Unspecified Projects	5182400001	Unspecified Storm Projects - NOT TO BE SET UP IN PEOPLESOFT	-	-	-	-	-	-	-	-	-	-	257,428,000	257,428,000	257,428,000	257,428,000	2029	2033
Unspecified Projects Total			-	-	-	-	-	-	-	-	-	-	257,428,000	257,428,000	257,428,000	257,428,000		
Grand Total			30,734,028	24,129,828	51,211,000	25,858,000	76,497,000	38,015,000	35,820,000	30,246,000	56,540,000	52,465,000	448,608,000	422,442,000	699,410,028	593,155,828		

Appendix "S" to Report FCS23100
Page 1 of 1

CITY OF HAMILTON
2024 Rate Program Capital Budget Summary
(\$000'S)

							Financing Source	
Gross Costs	Subsidy/ Other Revenues	Development Charges	WIP / Other Internal Sources	Reserves	Net Cost	Contribution From Operating	External Borrowings (Debentures)	
2024 Coordinated - Network Extension	13,510	-	11,000	-	-	2,510	1,250	1,260
Coordinated - Other	3,630	-	-	-	-	3,630	3,630	-
Coordinated - Rehabilitation	700	-	-	-	-	700	700	-
Coordinated - Replacement	3,100	-	-	-	750	2,350	2,350	-
Coordinated - Upgrade	9,616	7,040	-	-	-	2,576	2,576	-
Coordinated Replacement (50/50)	240	-	-	-	-	240	240	-
Demolition / Disposal	450	-	-	-	-	450	450	-
Enhancement	1,250	-	-	-	-	1,250	1,250	-
Expansion / Extension	13,975	-	9,211	-	968	3,796	3,796	-
Feasibility Plans / EA's/ Studies	19,806	-	1,030	1,100	3,742	13,934	13,934	-
Licenses	563	-	-	-	233	330	330	-
Network Extension	6,375	-	2,184	-	-	4,191	4,191	-
New	40,700	-	27,640	900	1,575	10,585	5,430	5,155
Rehabilitation / Renovation	128,397	-	4,949	-	27,411	96,037	68,893	27,144
Replacement	28,830	-	-	-	5,115	23,715	17,405	6,310
Safety/ Security	1,530	-	-	-	1,130	400	400	-
Staffing Costs	13,200	-	-	-	5,154	8,046	8,046	-
Total	285,872	7,040	56,015	2,000	46,078	174,739	134,870	39,869

City of Hamilton Treasurer's Updated 2023 Annual Repayment Limit

2023 Annual Repayment Limit - effective January 1, 2023, as prepared by the Ministry of Municipal Affairs and Housing on March 9, 2023, based on 2021 Financial Information Return	\$304,645,973
Annual debt service charges on City Municipal debt approved to-date 2023 and prior years but not yet issued (\$951.904 M @ 5.5% for 15-year term)	-\$94,834,051
Annual debt service charges on City Municipal debt in respect of ICIP Transit debt approved but not yet issued (\$236.1957 M @ 5.5% for 15-year term)	-\$23,531,135
Annual debt service charges on City Municipal debt in respect of West Harbour debt approved but not yet issued (\$56.6 M @ 5.5% for 15-year term)	-\$5,636,740
Annual debt service charges on City Housing Hamilton debt approved but not yet issued and guaranteed by City of Hamilton (\$102.337 M @ 5% for 30-year term)	-\$6,657,151
Annual debt service charges on Municipal and Tax Supported Development Charges debt approved but not yet issued - Police Station 40 (\$11.585 M @ 5.5% for 15-year term)	-\$1,154,163
Annual debt service charges on Municipal and Tax Supported Development Charges debt approved but not yet issued - Stadium Precinct (\$18.1 M @ 5.5% for 15-year term)	-\$1,798,641
Annual debt service charges on debentures discharged in 2021-2023	\$5,643,144
Adjustment for annual debt service charges on outstanding City Housing Hamilton mortgages and City of Hamilton Tangible Capital Leases	\$539,146
Updated 2023 Annual Repayment Limit - a calculation by the Treasurer representing an estimate of the maximum amount available to commit to annual debt service charges	\$177,216,383
Debenture amount at 5.5% interest rate for 15-year term (amortizer) corresponding to the annual debt service charges of \$177,216,383	\$1,778,823,788

2024 Recommended Water, Wastewater and Stormwater Budget



Public Works
Hamilton Water



AGENDA

- Division and Rate Budget Overview
- 2023 Budget Year Highlights
- Supporting Hamilton's Growth
- Challenges
- 2024 Budget Priority Investments
- 2024 Recommended Budget
- FTE Business Cases
- Government Advocacy

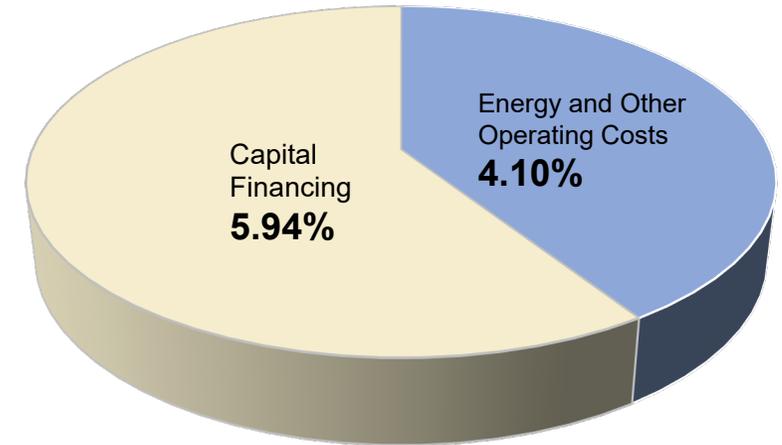


2024 RATE BUDGET OVERVIEW

Proposed water bill (rate) increase for the typical residential account - **10.04%**

- Recommended 2024 **operating budget of \$121M** (11.6% increase from 2023 approved)
- Recommended 2024 **capital budget of \$286M** (29% decrease from last year's estimate)
- 10-year capital forecast has increased by **\$863M**
- Recommending **24** new FTEs aligned to Term of Council priorities and Mayoral Directive (MDI 2023-02)

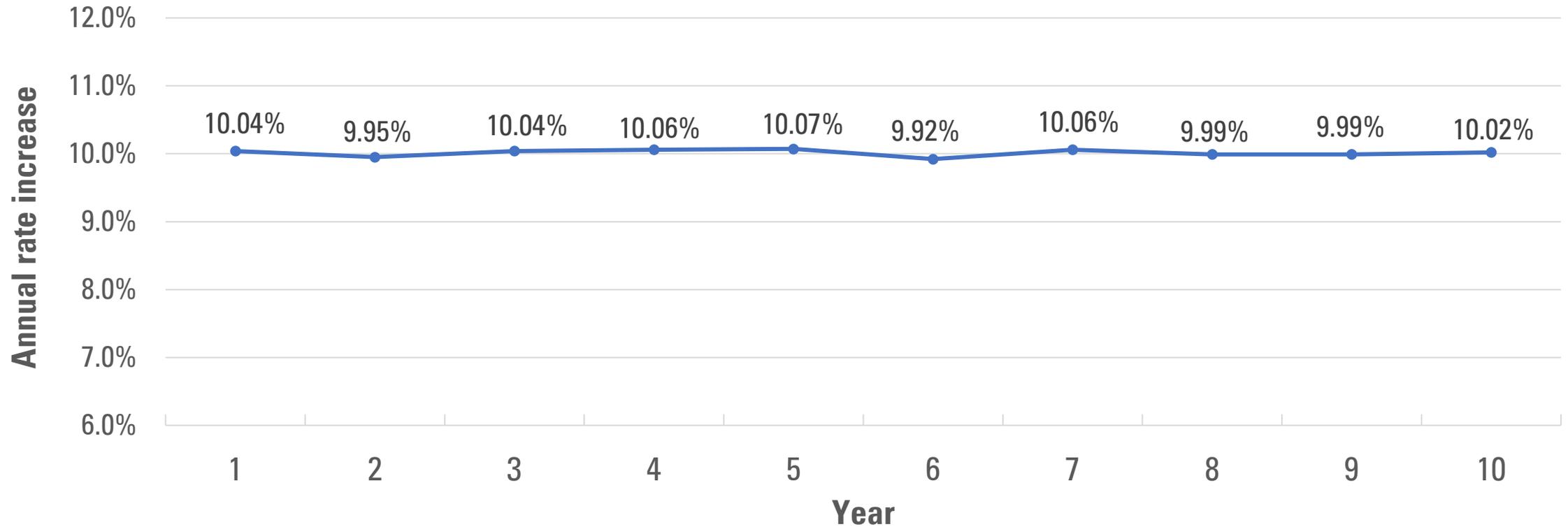
Drivers of 10.04% Increase



2024 Projected Average Rate Impact		
	\$	%
Energy and Other Operating Costs	\$35.94	4.10%
Capital Financing	\$52.16	5.94%
Average Residential Impact	\$88.10	10.04%

2024 RATE BUDGET OVERVIEW

10 Year Rate Forecast



- Recommending an average rate increase of 10% per year for 10 years to fund needed infrastructure investments

DRINKING WATER QUALITY MANAGEMENT SYSTEM POLICY



The City of Hamilton owns, maintains and operates various drinking water systems. The City is committed to:

S *Safe, high quality, consistent supply of drinking water*

A *Always improving the Drinking Water Quality Management System*

F *Following and complying with applicable legislation*

E *Effective and open communication with the community concerning matters of drinking water quality*



WASTEWATER QUALITY MANAGEMENT SYSTEM POLICY



The City of Hamilton owns, maintains and operates various wastewater systems. The City is committed to:

C *Compliance with all legal and other requirements*

L *Leaders in pollution prevention*

E *Effective Communication with the community*

A *Always improving the Wastewater Quality Management System*

N *Noteworthy innovation*





Water Supply
Water Distribution
Water Support Services
Infrastructure Management



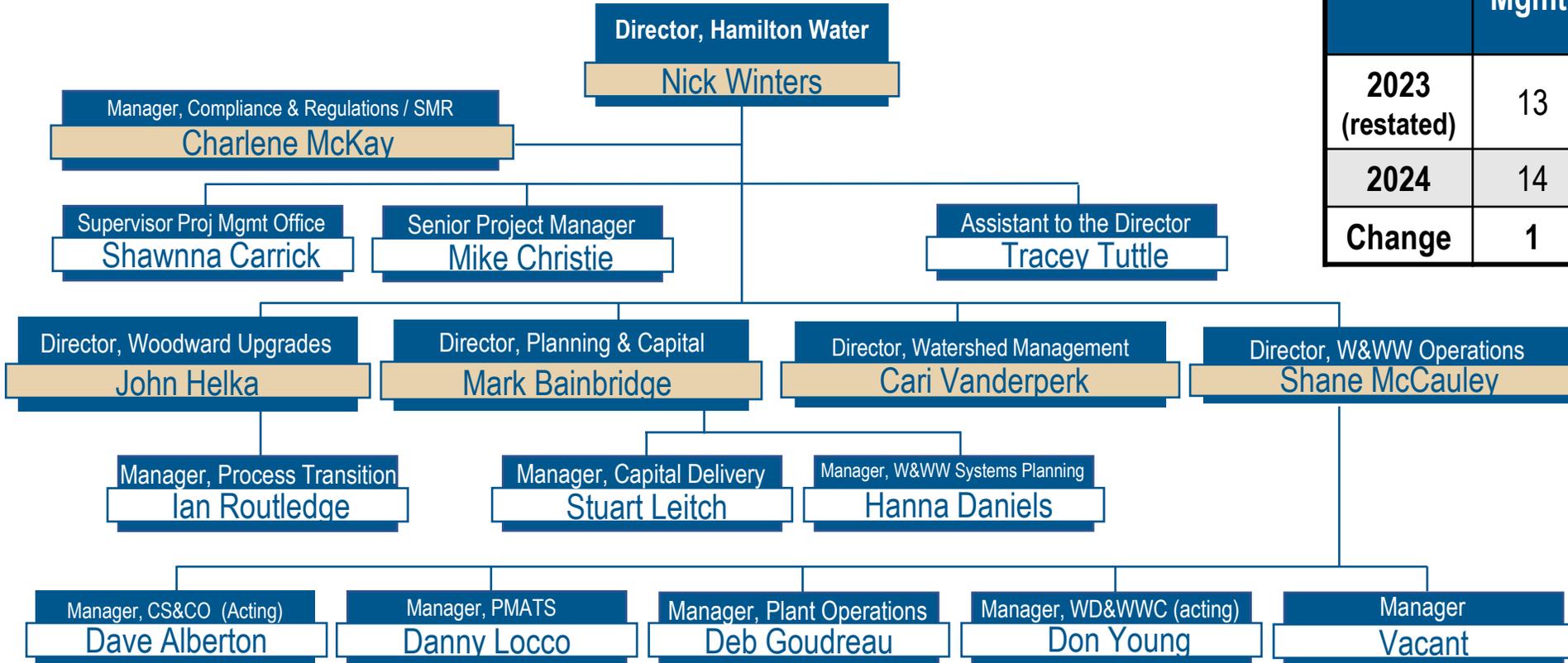
Wastewater Treatment
Wastewater Collection
Wastewater Support Services
Infrastructure Management



Stormwater Treatment
Stormwater Collection
Stormwater Support Services
Infrastructure Management

Hamilton Water – Services and Sub-Services

ORGANIZATIONAL CHART



	Mgmt.	Staff	Total	Staff: Mgmt. Ratio
2023 (restated)	13	355.65	368.65	27.36:1
2024	14	378.65	392.65	27.05:1
Change	1	23	24	

2023 WATER FORECAST



4
WELL SYSTEMS
CARLISLE
FRELTON
GREENSVILLE
LYNDEN



2,131

KILOMETRES OF
WATERMAINS

170

WATERMAIN
BREAKS
REPAIRED



3 TARGETED
CONSTRUCTION
PROJECTS

2 COMPLETED
CONSTRUCTION
PROJECTS



DAY-TO-DAY OPERATIONS
AND MAINTENANCE OF

13,628
HYDRANTS AND
314 POST HYDRANTS



13

WATER
RESERVOIR



705

SUBSTANDARD
WATER SERVICE LINE REPLACEMENTS



7
WATER
TOWERS



30,492

WATER TREATMENT
PLANT SAMPLES
TESTED

25,512

WATER DISTRIBUTION
SAMPLES TESTED

158,500

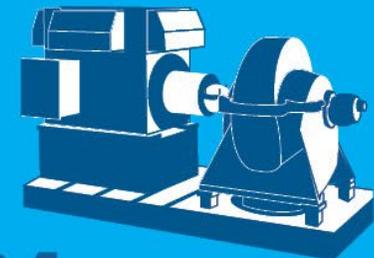
TOTAL NUMBER OF
WATER METERS



74.34 BILLION LITRES OF
WATER TREATED



1 WATER
TREATMENT PLANT



24 WATER
PUMPING STATIONS

TOTAL WATER ASSETS - \$4.25 BILLION

2023 STORMWATER FORECAST



TOTAL STORMWATER ASSETS - \$3.14 BILLION



DUNDAS WWTP



4,406ML
wastewater
treatment
forecast



continuous
compliance within
wastewater
effluent limits

WOODWARD WTP



74,337ML
water treatment
forecast



15 AWQI
adverse water quality issue
(YTD)



\$2.53M
cost avoidance
global adjustment
forecast (YTD)

WOODWARD WWTP



125,107ML
wastewater
treatment forecast



83%
capacity utilization
(5 yr Average)

51,750 TONNES
biosolids processed on site
forecast



4,397
megawatt hours
generated by cogen unit
(YTD)



continuous
compliance within
wastewater
effluent limits

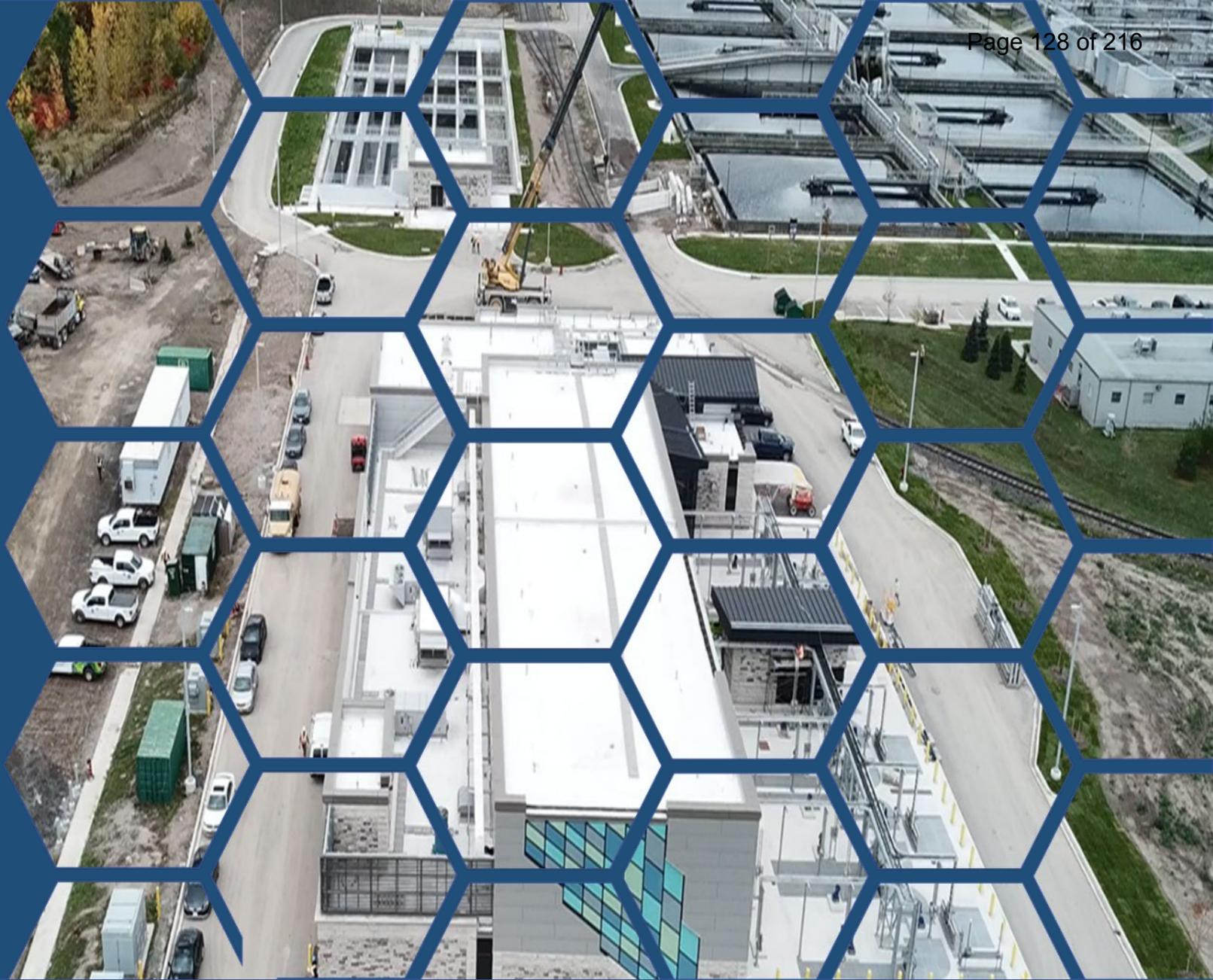


39,606
gigajoules
generated by Bio-gas
purification unit (YTD)

20
plant bypasses (YTD)

10
odour
complaints
(YTD)

2023 BUDGET YEAR HIGHLIGHTS



2023 BUDGET YEAR HIGHLIGHTS

2022-2026

Term of Council Priorities



Sustainable Economic and Ecological Development



Safe and Thriving Neighbourhoods



Responsiveness and Transparency





Woodward WWTP Upgrades

2023 BUDGET YEAR HIGHLIGHTS



Contract 1 – Main Pumping Station

Contract Value: **\$87.6 Million (Current \$86.2M)**

Construction Began: **May 2017**

Substantial Performance: **August 31, 2022**

Work Performed to Date: **\$85.5 Million (99%)**



New Treated Effluent Outfall to Red Hill Creek



Contract 2 – Electrical and Chlorination Upgrades

Contract Value: **\$60.9 Million (Current \$62.9M)**

Construction Began: **October 2017**

Substantial Performance: **November 11, 2022**

Work Performed to Date: **\$62.1 Million (99%)**



Contract 3 – Tertiary Treatment Upgrades

Contract Value: **\$165.3 Million (Current \$184.5M)**

Construction Began: **May 2019**

Substantial Performance: **Expected January 2024**

Work Performed to Date: **\$179.9 Million (98%)**



Woodward Upgrades Ribbon Cutting

2023 BUDGET YEAR HIGHLIGHTS

Chedoke Creek Targeted Dredging

- Dredging remobilization and installation of floating pipeline complete
- In-water work re-initiated on July 17, 2023
- Completion expected by November 30, 2023
- Environmental monitoring agreements with Huron-Wendat Nation, Mississaugas of the Credit First Nation, Six Nations of the Grand River, and Haudenosaunee Confederacy Chiefs Council (via HDI)
- **Project Budget – \$11.35M**





2023 BUDGET YEAR HIGHLIGHTS

Real Time Control Phase 2 (Major Milestone)

- Improved monitoring and control of combined sewer flows during wet weather
- Once complete, an additional capture rate of 7 million litres of combined sewage per year is anticipated
- Reduction in overflows will directly contribute to water quality improvements in Cootes Paradise
- **Project Budget – \$16.75M**





2023 BUDGET YEAR HIGHLIGHTS

Operational Achievements

- **100% compliance at Woodward and Dundas Wastewater Treatment Plants**
 - Significant staff effort to maintain compliance
 - **Woodward WWTP** (76 consecutive months) - industrial spills upsetting plant performance
 - **Dundas WWTP** (103 consecutive months) - aging and failing infrastructure
- **Waterworks Bylaw and Sewer & Drain Bylaw Update**



Woodward Wastewater Treatment Plant effluent outfall



Sewer and Drain Bylaw Public Information Centre

2023 BUDGET YEAR HIGHLIGHTS

Burlington & Rutherford Spill Actions

- Risk-based Inspection Program for Cross Connected Sewer Pipes (Pilot)
- Review & updates to existing programs / processes
- New programs / processes
 - ✓ Dry Weather In-Pipe Sampling Program
 - ✓ Risk Based Inspection Program (Full System)
 - ✓ Sewage Spills Communication Plan
- Approval of 12 FTEs to implement the new programs and address other system risks (Sept 8th Public Works Committee)



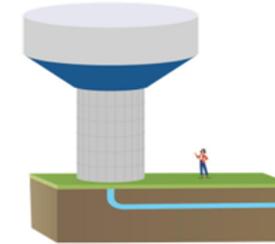
Post-spill repairs to Rutherford/Myrtle sewer infrastructure



2023 BUDGET YEAR HIGHLIGHTS

Master Plans / Environmental Assessments

- **Water, Wastewater, and Stormwater Master Plan**
- Ainslie Wood Sewer Separation EA
- West End Sewer Separation EA
- Lower Chedoke EA
- Chedoke Watershed Stormwater Retrofits EA
- Greensville Municipal Backup Well EA
- Waterdown Trunk Watermain Twinning EA
- Greenhill Water Pumping Station EA
- Carlisle Water Storage Facility EA
- Governors Road Water Pumping Station EA
- McMaster University Gardens W. Sanitary Pumping Station EA
- Eastport Sanitary Pumping Station EA
- Winona Area Flooding and Drainage Improvements EA
- Rosedale Stormwater Improvements and Sewer Separation EA
- Stormwater Management Facility Retrofits EA



Elevated Tank



Booster Pumping Station & In-ground Storage Tank

Hamilton

Ainslie Wood
Neighbourhood Creek
Separation Municipal
Class Environmental
Assessment

Virtual Public Information Centre No.1
February 24th – March 10th, 2023

RESILIENT CONSULTING

Ainslie Wood EA – Virtual PIC #1



2023 BUDGET YEAR HIGHLIGHTS

Projects in Design

- WTP Dissolved Air Flotation Pilot (2024)
- WTP High Lift Pumping Station HVAC (2024)
- Lynden Municipal Well Upgrades (2024)
- Highland Road Reservoir Upgrades (2025)
- WTP Low Voltage Electrical Upgrades (2025)
- WTP Pre-Treatment Isolation Valves (2025)

Water



- Dundas WWTP Health & Safety Immediate Needs (2025)
- CSO Backflow Preventors (2025)
- Greenhill CSO Upgrades (2026)

Wastewater



- Grafton and Centennial Stormwater Pumping Stations (2025)

Stormwater

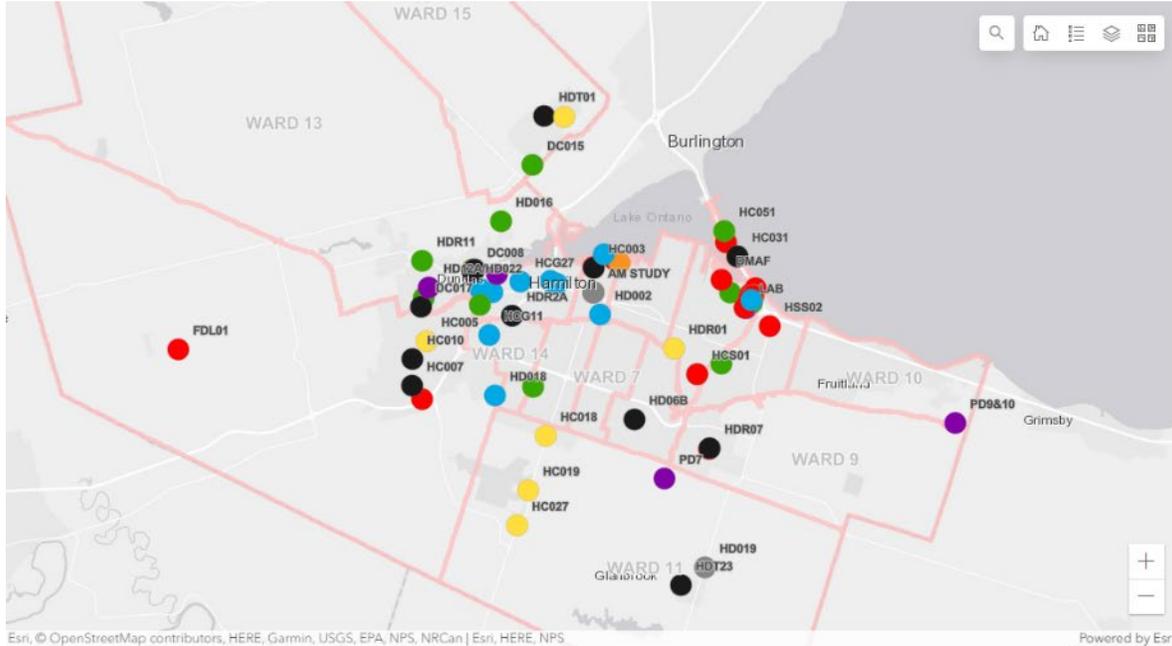


(year in parentheses indicates when completion of construction is anticipated)



2023 BUDGET YEAR HIGHLIGHTS

Capital Upgrades in Construction



Ferguson Avenue Pumping Station

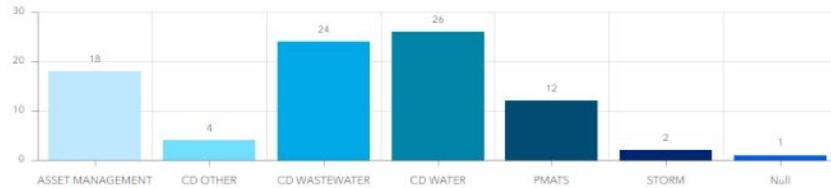
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Active Projects

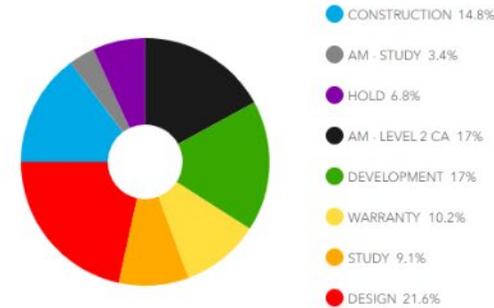
87

Projects by Type



Project Phase Selector

Click on a segment to filter the map



Garner Road Pumping Station

Project by Type

Project Types by Phase

Phases

Project List

Legend

Resources



2023 BUDGET YEAR HIGHLIGHTS

Large Capital – Emergency Maintenance



**Scenic Reservoir
Expansion Joint Repairs
\$1.5M**



**Digester 3
Emergency Repairs
\$4.7M**





2023 BUDGET YEAR HIGHLIGHTS

Community Engagement

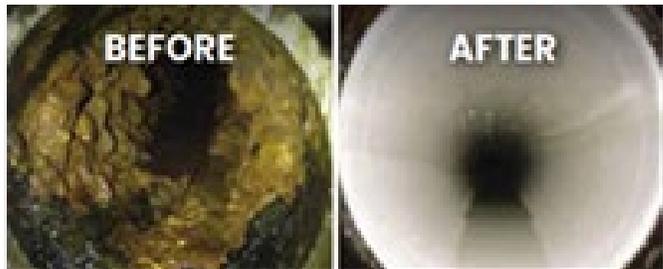
- Hamilton & District Heavy Construction (HAND) Association
- Children's Water Festival and World Toilet Day
- First Nations monitoring agreements
- Ward 3 meeting - Wentworth Spill
- Protective Plumbing Program Survey
- Stormwater Funding Review consultations
- Environmental Assessment consultations





2023 BUDGET YEAR HIGHLIGHTS

Infrastructure Renewal



- **Watermain Renewal**

- **4.16 km** installed in 2023 YTD, 2.93 km installed in 2022
- **\$6M** average annual expenditure
- Kenilworth Feedermain - critical emergency work

- **Sewermain Renewal**

- **11.5 km** lined in 2023 YTD
- **438 km** of sewer mains lined since 1993
- Sewermain lining program has achieved a cost avoidance of **\$335M** since program inception vs open cut replacement



2023 BUDGET YEAR HIGHLIGHTS

Continuous Improvement



Hydrant spare parts program



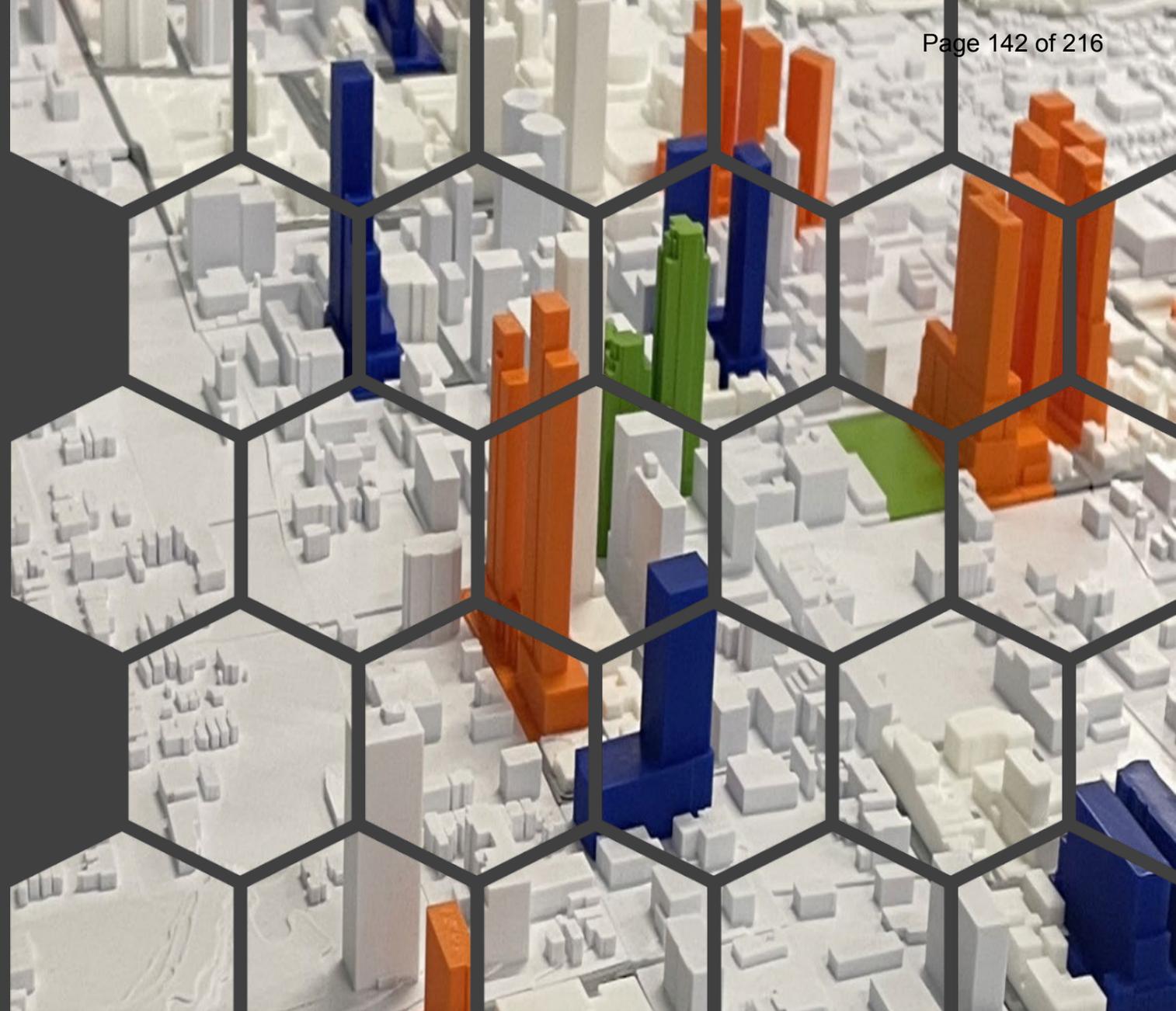
Caffeine



Initiative	Cost Savings / Avoidance
Water Meter Work Order Optimization	\$140,000 since Q4 2021
Laboratory – Caffeine analysis accreditation	\$125,000 in year 1, up to \$275K annually thereafter
Hydrant spare parts program	\$93,000 to date
Watermain proactive leak detection	\$1.79M from 2019-2023



SUPPORTING HAMILTON'S GROWTH

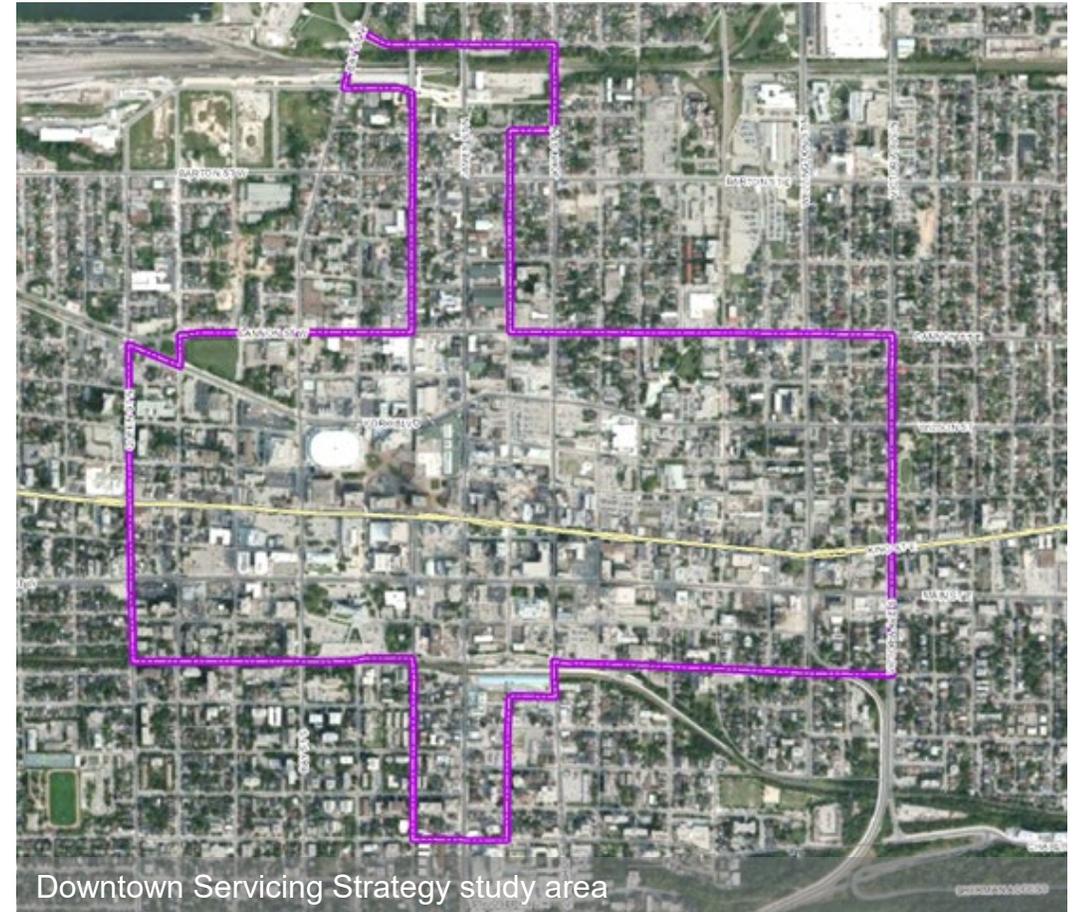




SUPPORTING HAMILTON'S GROWTH

Hamilton Downtown Servicing Strategy

- **Objectives**
 - Prioritizing renewal and upgrades of water and sewer infrastructure to support the intensification of downtown Hamilton
 - Reduce flooding and combined sewer discharges to the natural environment
- **Results**
 - Confirmation that current stormwater control criteria is generally effective; additional control required in some areas
 - Identified and prioritized water and sewer Infrastructure that is the most constrained
- **Next Steps** - detailed infrastructure plan

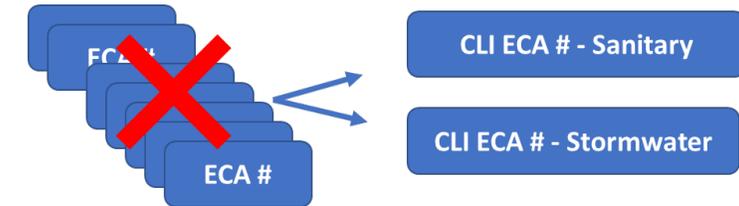




SUPPORTING HAMILTON'S GROWTH

Consolidating our Wastewater Approvals

- Consolidated Linear Infrastructure (CLI) Environmental Compliance Approvals (ECA) for our wastewater/stormwater system
- Multi-Year process, submitted to the Province in 2021
- Final CLI ECAs expected in early 2024
- **Anticipated Benefits**
 - All collection system requirements in one approval, streamlined pre-approval for low-risk projects
 - Consistent operational and compliance requirements across systems
- **Risks** - approval of new flows into the combined sewer system, increased resources needed for operations & maintenance





SUPPORTING HAMILTON'S GROWTH

Development Approvals



Downtown Hamilton renewal (c/o Jason Thorne)

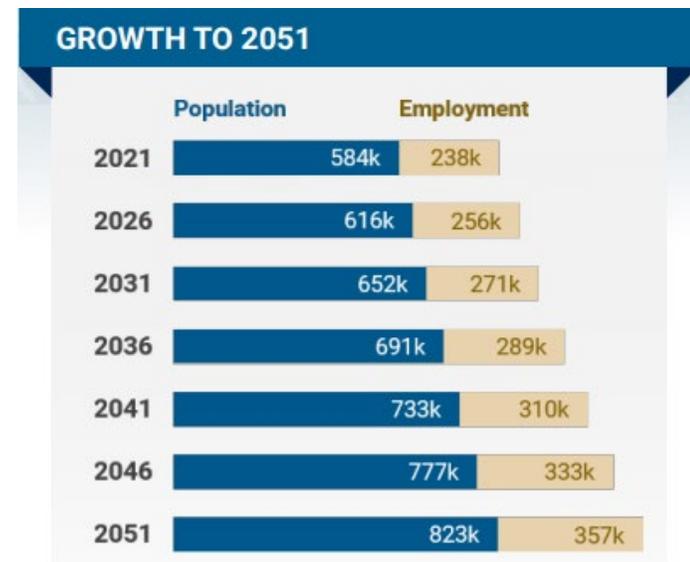
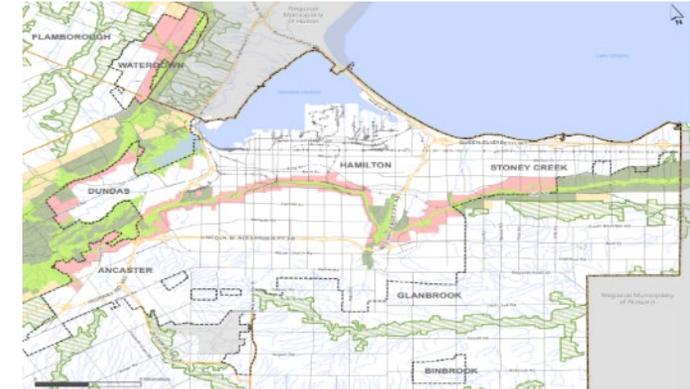
- Staff focus on expedited review times from Bill 109, resulting in deferral of some infrastructure planning projects and EAs
- Challenges with allocating sewer capacity with short review/approval timelines
- Dedicated hydraulic modelling staff will directly support accurate and responsive development reviews on water/wastewater system capacity



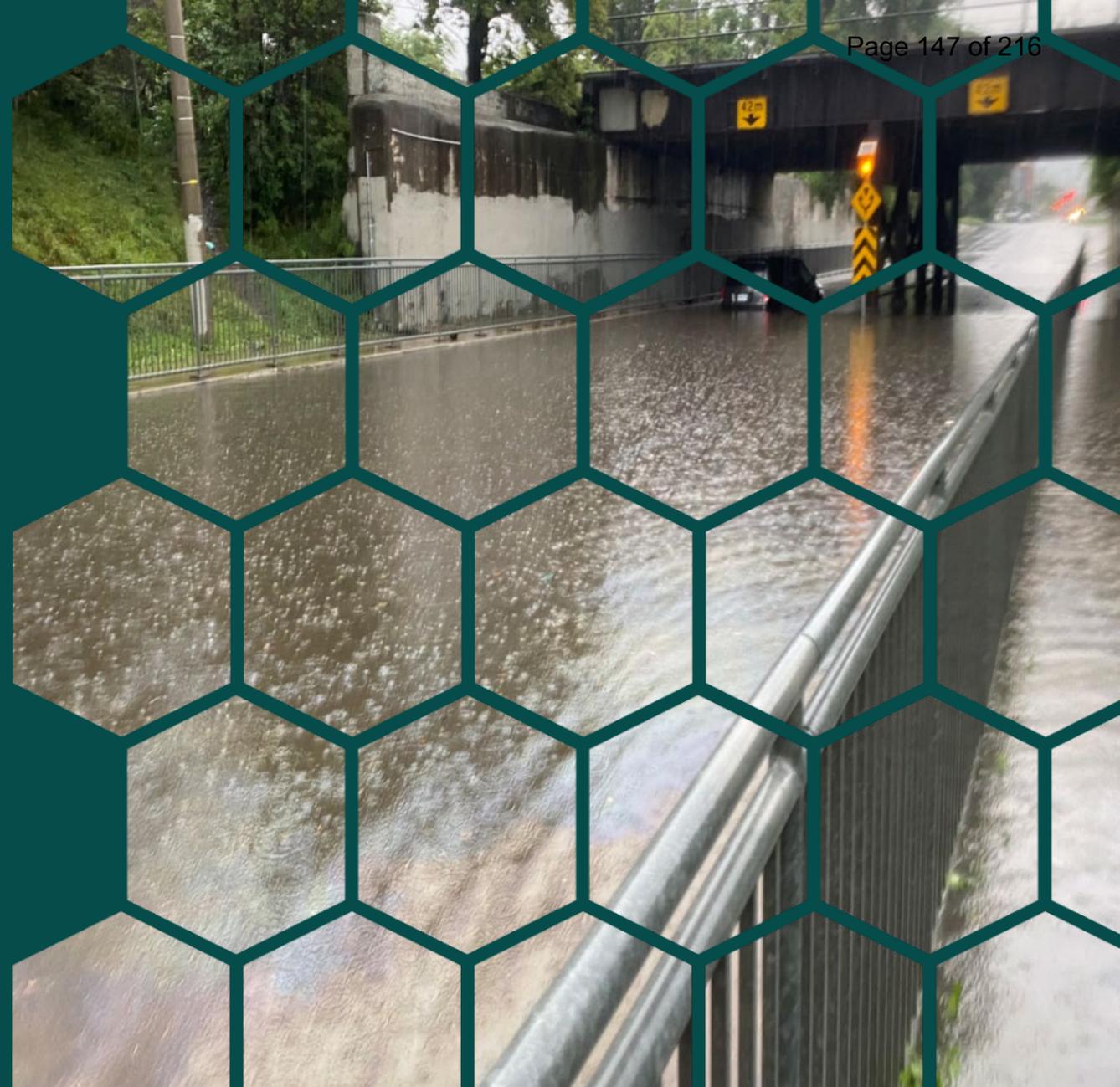
SUPPORTING HAMILTON'S GROWTH

Water, Wastewater, and Stormwater Master Plan

- Project initiated in 2017
- Significant delays due to changing municipal/provincial decisions and legislative amendments (e.g. Growth Plan, urban boundary expansion, Greenbelt land use)
- The Master Plan helps define:
 - Policy around how we expand our systems
 - System improvements to reduce risk and enhance service
 - Impacts of growth on Combined Sewer Overflow capture rate
 - How on-site control impacts sewer system function
- Study is expected to be completed by Q4 2024



CHALLENGES

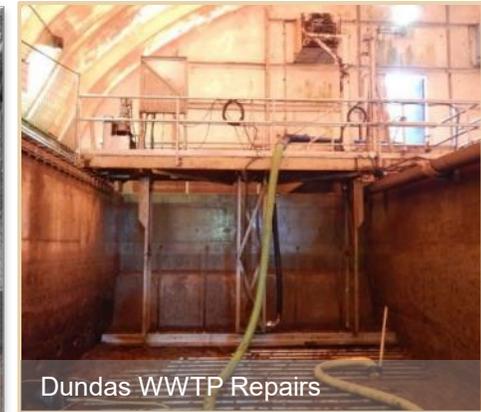




CHALLENGES

Aging Infrastructure

- **Dundas Wastewater Treatment Plant** – Health and safety issues due to deteriorating infrastructure, operational risks due to equipment age/condition
- **Digester #3 Emergency Repairs** – Digester 3 emergency repair completed, rehabilitation of Digester #3 and #5 scheduled to start in 2023, reduced digester capacity for next two years (\$4.7M)
- **Policy 10 Emergency Repairs** – Boiler Return Lines (\$900K), Stonechurch/Tunbridge boilers (\$150K)
- **Water Treatment Plant Filter Underdrains** – Some underdrains are showing signs of failure which has required prioritized intervention



CHALLENGES – WATER ASSETS

Critical Asset Summary				
Critical Assets	Quantity	Replacement Cost	Condition	Stewardship Measures
 Water Treatment Plant	1	\$1.0 billion	Poor	# of instances Chlorine is below/above target at the WTP 8
 Pump Station	18	\$125.3 million	Good	Inspection Frequency Weekly
 Wells & Well Stations	8 wells 6 stations	\$21.9 million	Fair Good	# Drinking Water Advisories 0
 Watermain	2,129 km	\$1.6 billion	Fair	Emergency breaks repaired within 2 days 100%

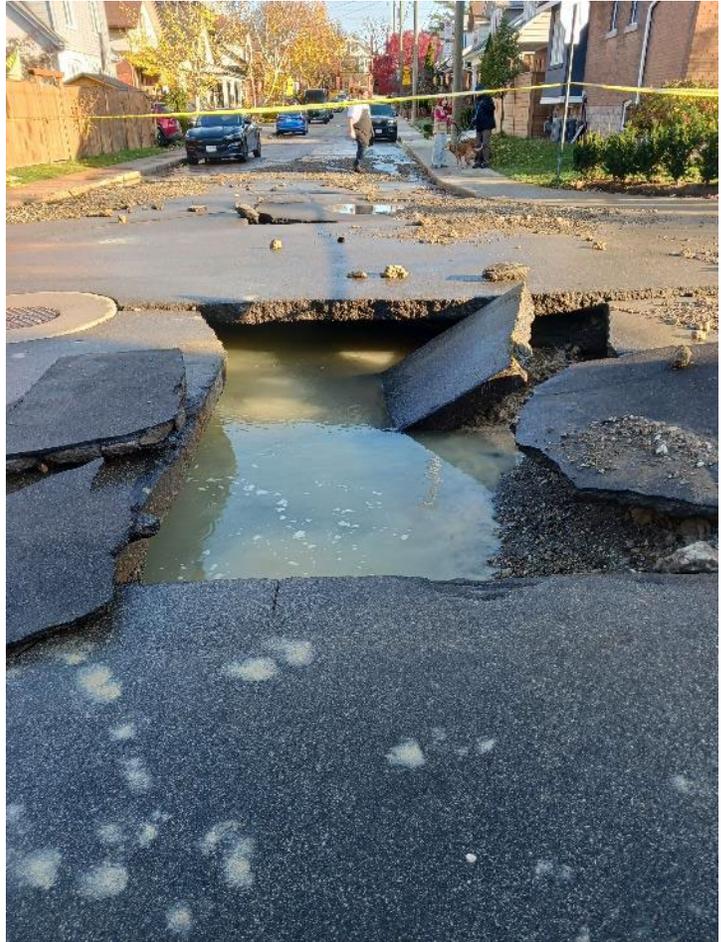
Annual infrastructure gap for water assets

\$20 million

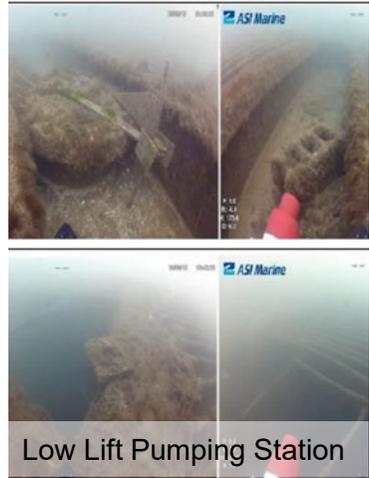
Data Confidence



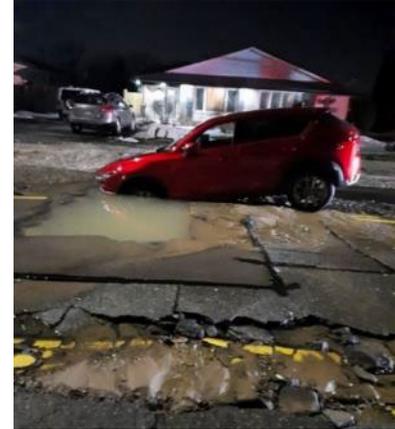
CHALLENGES – WATER ASSETS



Large watermain break – Ward 1, Nov 2023



Low Lift Pumping Station



Watermain Break



Filter bed undrain debris



High Lift Pumping Station



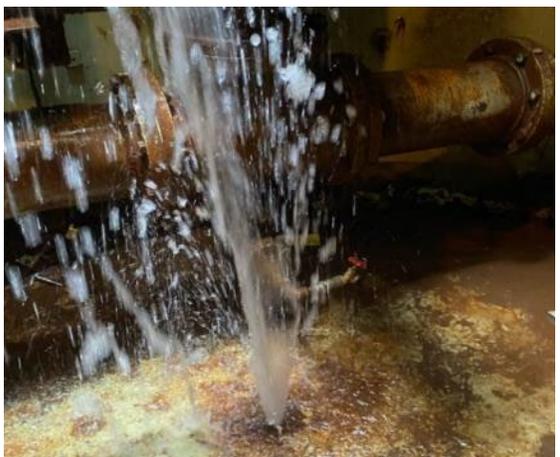
Watermain Break



Tuberculation



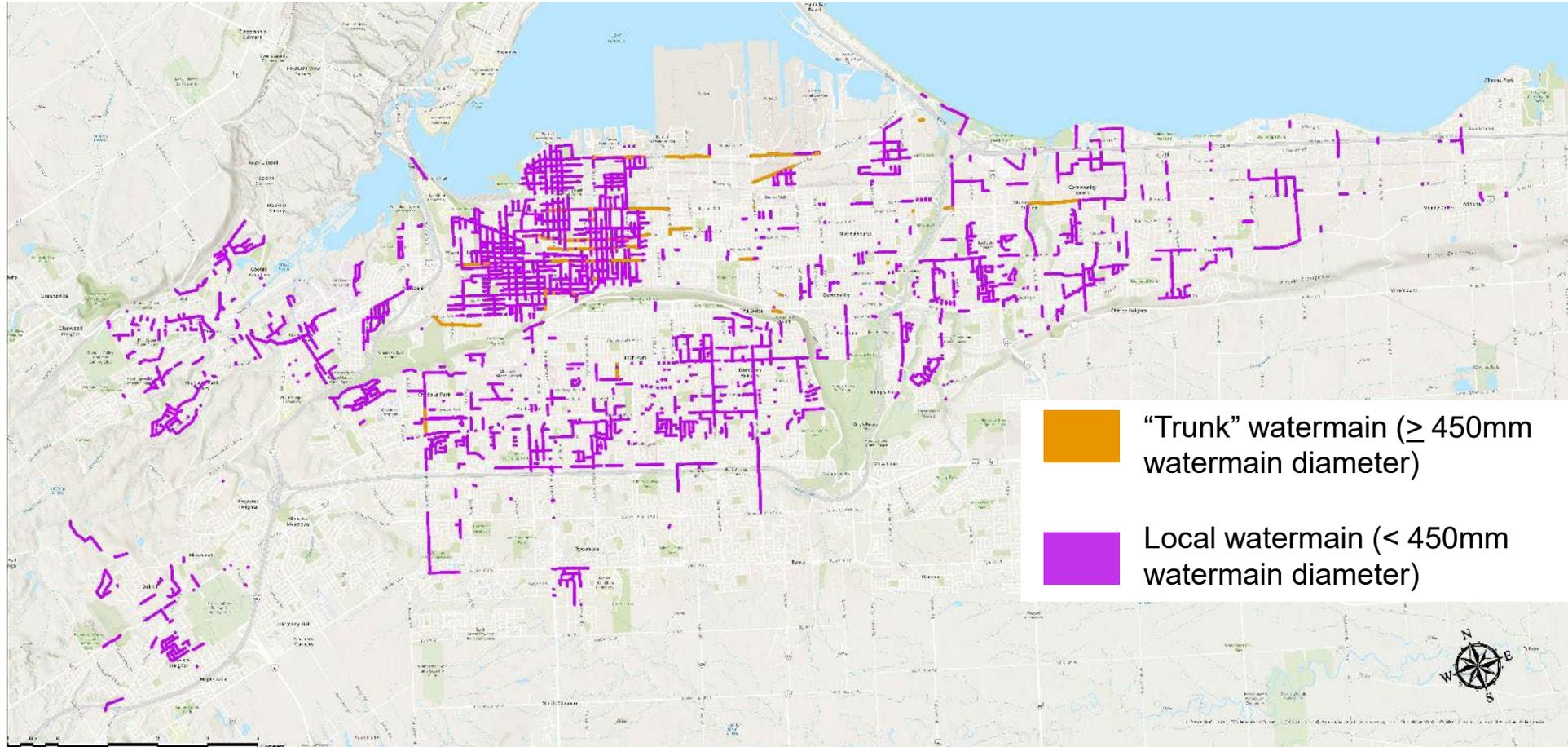
WTP watermains



Station at Main & Whitney

CHALLENGES – WATER ASSETS

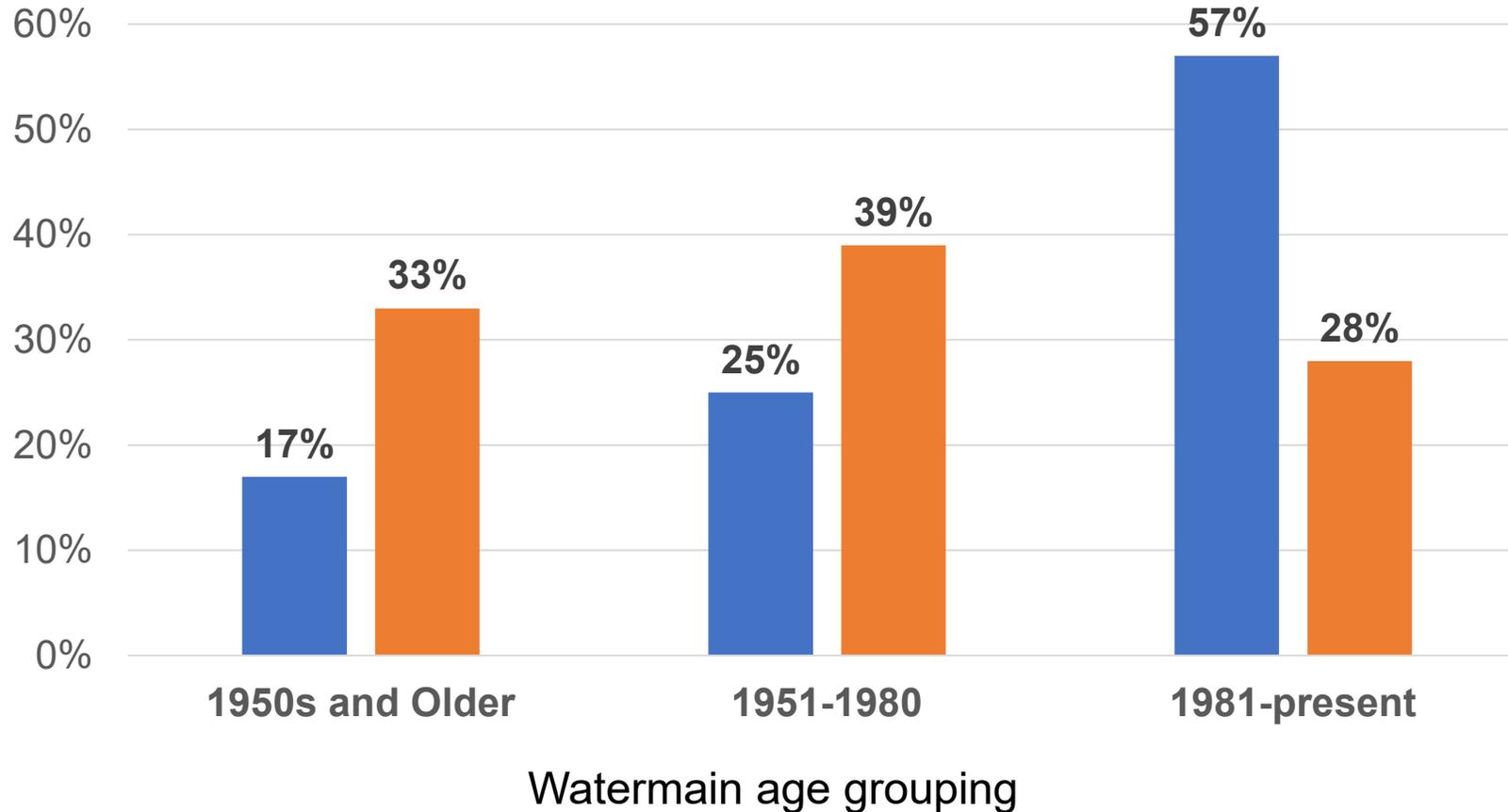
Cast Iron Watermains (non-rehabilitated)



10.7
watermain
breaks per
100 km of
watermain
(2022 data,
all pipe
materials)

CHALLENGES – WATER ASSETS

Watermain Age Profile



- Local Watermains
- Transmission Watermains

9% of the distribution network is critical watermain (450mm watermain diameter and larger)

CHALLENGES – WASTEWATER ASSETS

Critical Asset Summary				
Critical Assets	Quantity	Replacement Cost	Condition	Stewardship Measures
 Wastewater Treatment Plant	2	\$3.2 billion	Fair	# of bypasses at Woodward WWTP in 2021 23
 Pump Station	71	\$181.2 million	Fair	% completed monthly inspections in 2021 92.12%
 CSO Tanks	9	\$222.9 million	Fair	# of CSO tank overflow events in 2021 27
 Gravity Main	1,798 km	\$2.4 billion	Good	Length of sewermain lined in 2021 22.3 km

Annual infrastructure gap for wastewater assets

\$50 million

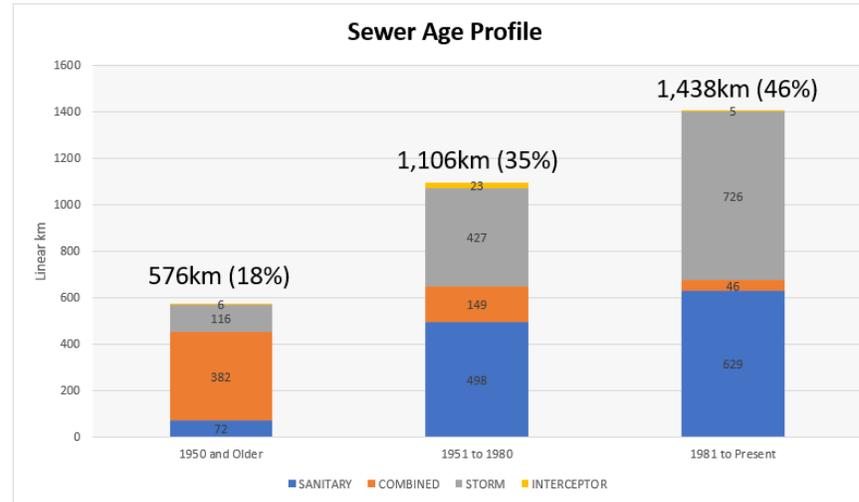
Data Confidence



CHALLENGES – WASTEWATER ASSETS



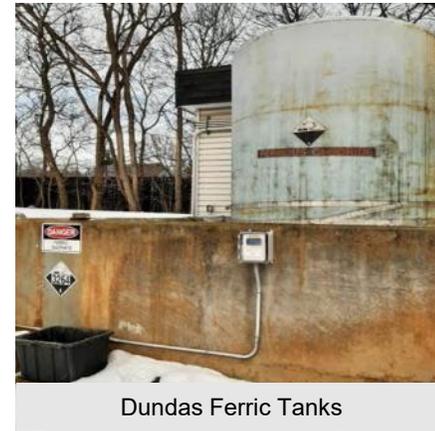
Woodward WWTP



Sewer Maintenance Chamber



Sewer Regulator

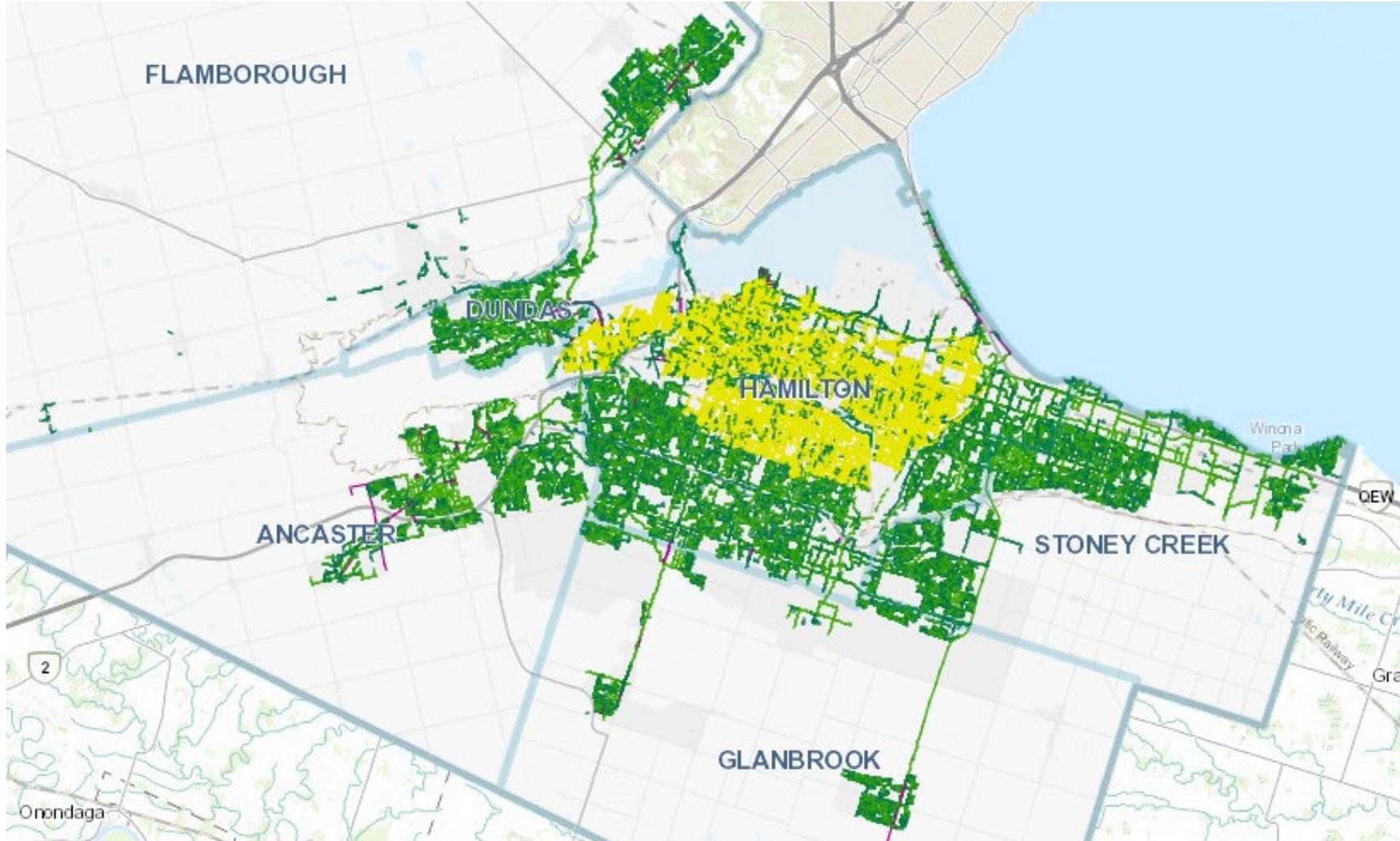


Dundas Ferric Tanks



Dundas Sludge Building

CHALLENGES – WASTEWATER ASSETS



-  Combined sewer
-  Separated storm or sanitary sewers

CHALLENGES – STORMWATER ASSETS

Critical Asset Summary				
Critical Assets	Quantity	Replacement Cost	Condition	Stewardship Measures
 Stormwater Management ponds	119	\$179 million	Good	% of Ponds inspected in 2021 100%
 Pump Station	2	\$9.52 million	Very Good	Inspection Frequency Monthly
 Gravity Main	1,263 km	\$1.8 billion	Good	km's of Main Inspected in 2021 78 km

Annual infrastructure gap for stormwater assets

\$31 million

Data Confidence

VERY HIGH

MEDIUM

VERY LOW

CHALLENGES – STORMWATER ASSETS



Species-at-risk relocation



Erosion, damaged infrastructure



Church Street Outfall



Debris jams at Borer's Creek



Debris from storm event – Dundas, July 2023



Phragmites



Damaged outfall



Encroachments



CHALLENGES

Staffing

- **Plant Maintenance and Technical Services** – despite active recruitment, Maintenance Team had as high as 14 vacancies for a complement of 30 tradespeople (47% vacancy)
- **Customer Service and Community Outreach** - 1 out of 5 positions vacant
- **Compliance and Regulations** - High staff turnover (losses to other divisions, increase in leaves and temporary positions), increased onboarding/mentoring requirements
- **Planning & Capital** - Environmental Assessments and capital projects delayed due to vacancies, significant staff effort to attract limited pool of qualified project managers and engineers
- **Plant Operations** – Significant overtime due to vacancies



CHALLENGES

Capital Program

- Some Tender Submissions are coming in over budget
 - 2022 - Real Time Control Phase 2
 - 2023 - Calvin St and Garner Road Pumping Station Upgrades
- Costs are higher but stabilizing
- Supply chain delays, longer lead times for equipment and supplies
- Accelerating projects to support growth



Woodward WTP Upgrades – Clearwell extension



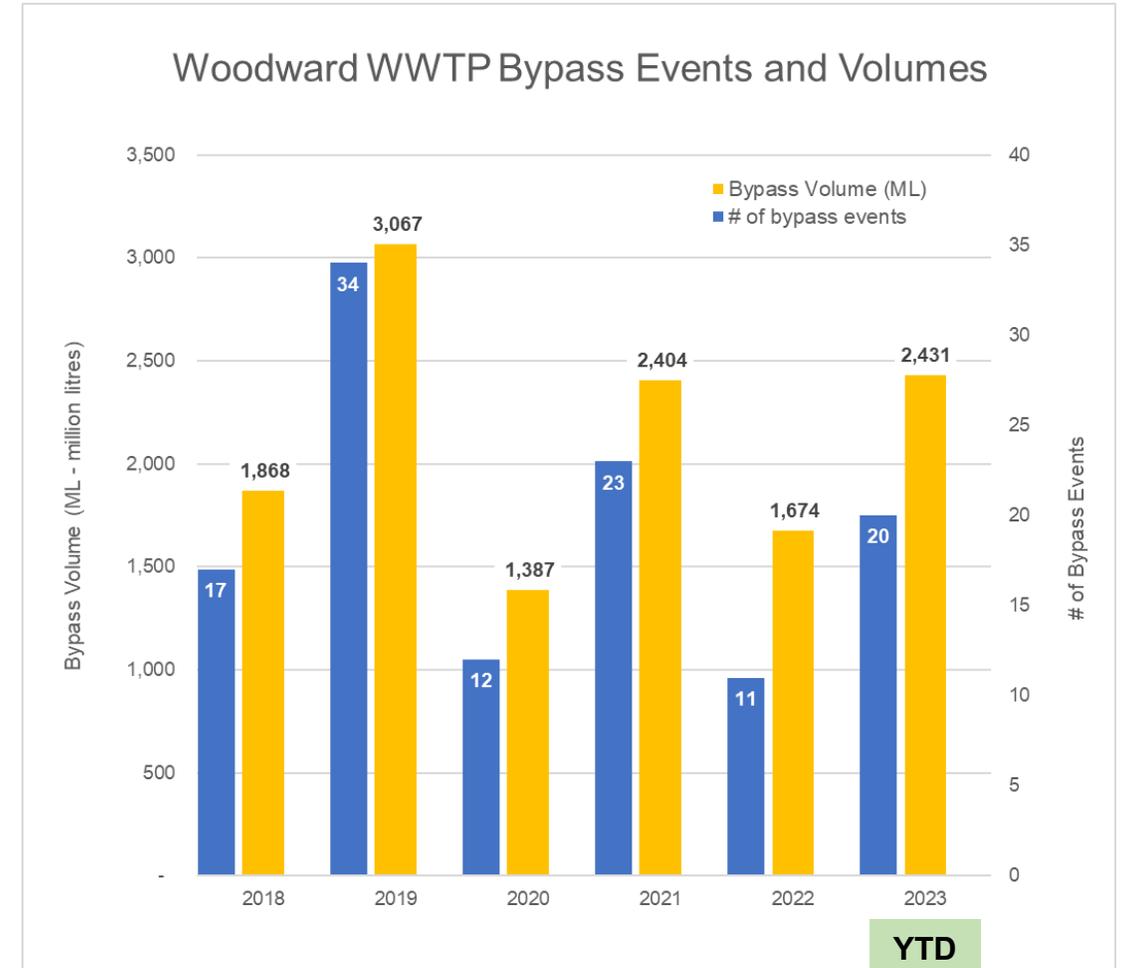
CHALLENGES

Climate Change

- Increased Combined Sewer Overflow and WWTP Bypass events in 2023 vs. 2022
- Increasing water temperatures has impacts on chlorine residual at the extremities of the distribution system

Achievements and Opportunities

- Renewable natural gas and co-generation
- \$2.5M in cost avoidance global adjustment YTD
- DMAF applications submitted for \$36M in capital projects
- Flooding and Drainage Improvement Framework EAs (2024), Real Time Control
- Public Works Climate Team





CHALLENGES

Planning and Growth

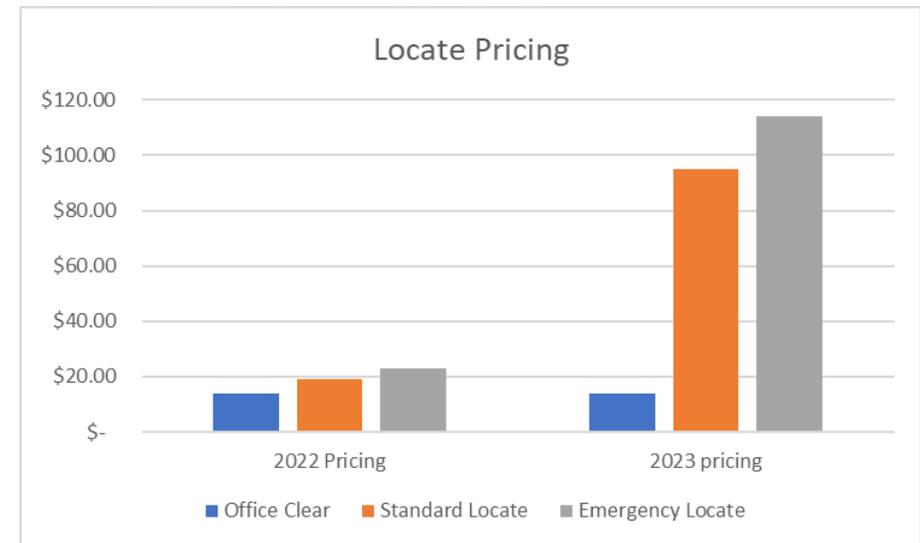
- MECP Guideline F-5-5 has implications for development approvals
- Capacity monitoring and allocation
- Bill 23/109 impacts – development application review turnaround time, development charge risks
- Groundwater dewatering and private stormwater infrastructure





Regulatory Challenges

- **Utility Locates**
 - **High contractor costs, risk of fines**
 - 33,000 locate requests in 2022, highest on record
 - Locate compliance rate is 69%, well below vendor contract standard of 95%
 - Business case for internal Locates Office
- **Excess Soils**
 - Significant increase in expenditures since 2019 (**\$1.5M** in 2022)
 - 2025 limitation of sending reuse soil to landfill
 - Excess Soils Management staff support in Engineering Services

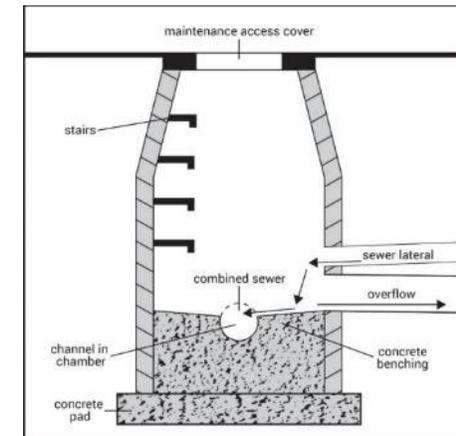
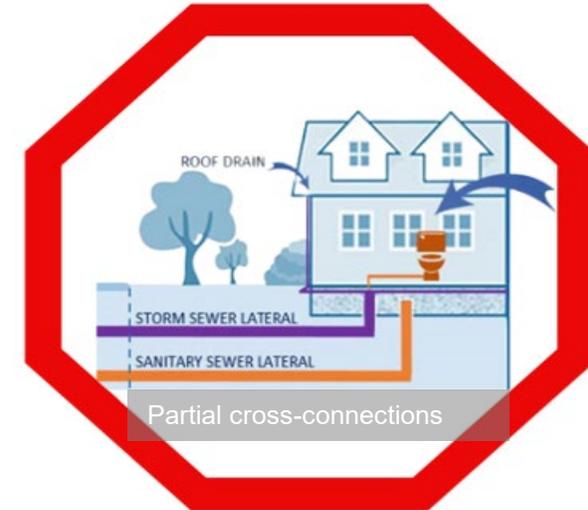




CHALLENGES

Sewer System – Legacy Issues

- **Partial sewer lateral cross connections**
 - 46 partial sewer lateral cross connections
 - No homeowner incentive to allow private access
 - Consideration for residential assistance program, Sewer & Drain Bylaw updates
- **Burlington/Myrtle spills**
 - Provincial Officer's Orders resulting from improper sewer connections
 - Public Works Committee Report – Burlington Street Sewage Spill Update (September 8th) – 12 new FTEs
- **Sewer Regulator Condition**
 - Accelerated rehabilitation program required



Kinrade Ave - sewer cross-section



Sewer regulator

CHALLENGES



Indigenous Engagement

- **Consistent City-wide approach is critical**
 - Inconsistent approaches across Ontario regarding engagement – learning opportunities
 - Establishing corporate policy and staff training
 - Agreements and capacity funding
- **Relationship building**
 - What does meaningful engagement look like?
 - Timing challenges
 - Pursuant to Urban Indigenous Strategy
- **Potential outcomes**
 - Incorporating social procurement, new corporate policy, capacity funding agreements, incorporating Indigenous knowledge into project planning



**NATION
HURONNE-
WENDAT**



2024 BUDGET PRIORITY INVESTMENTS

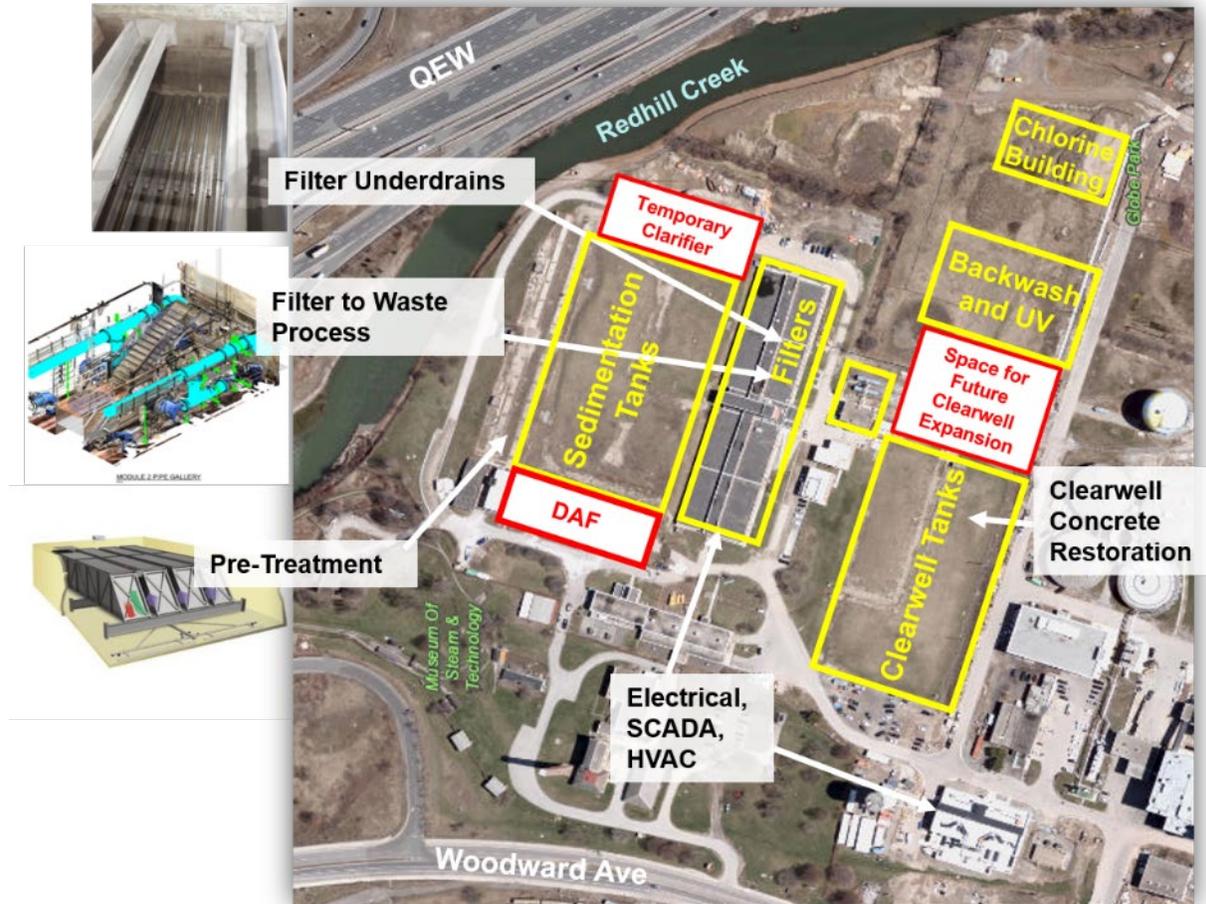




2024 BUDGET PRIORITY INVESTMENTS

Water Treatment Plant Upgrades

- **Water Quality Upgrades + Lifecycle Renewal (\$295M construction cost estimate)** – UV Facility, filter-to-waste, chlorine building, backwash pumps, filter underdrains
- **Capacity Expansion (\$183M construction cost estimate)** - Sedimentation tank “bottleneck” will be relieved to support increased demands from growth
- **Climate Change Resilience** – Dissolved Air Flotation (DAF) water treatment pilot - 2024
- Design Peer Review Study completion expected Q4 2023, Council report in 2024

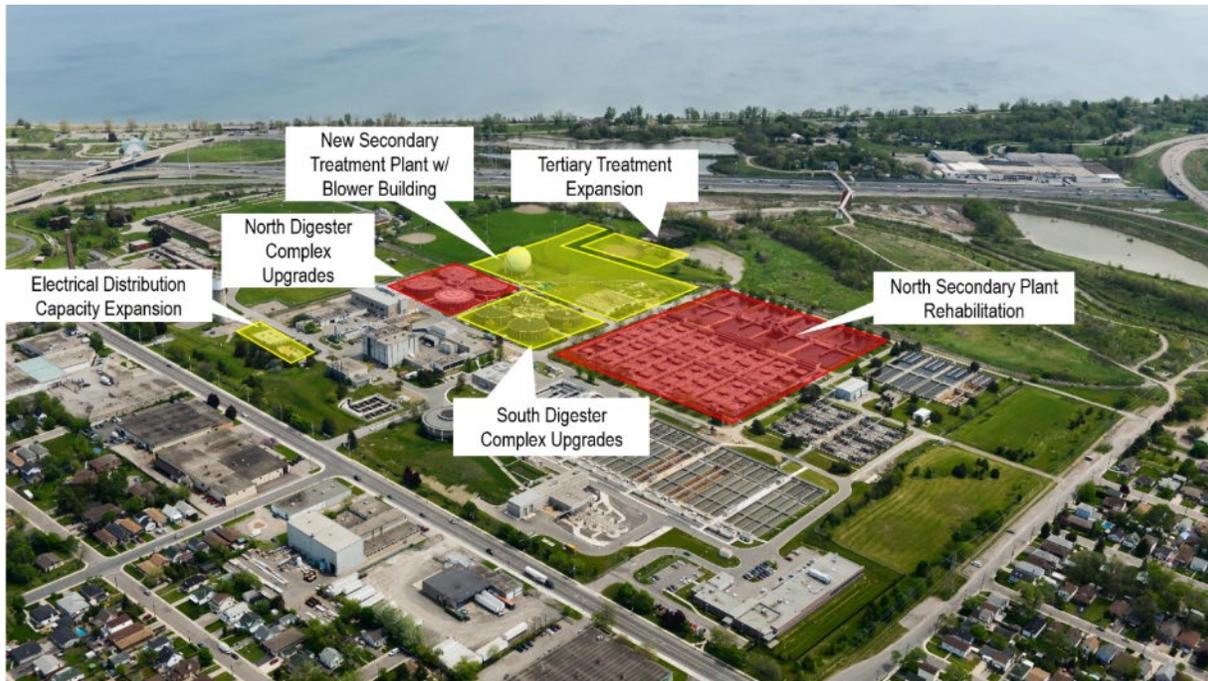




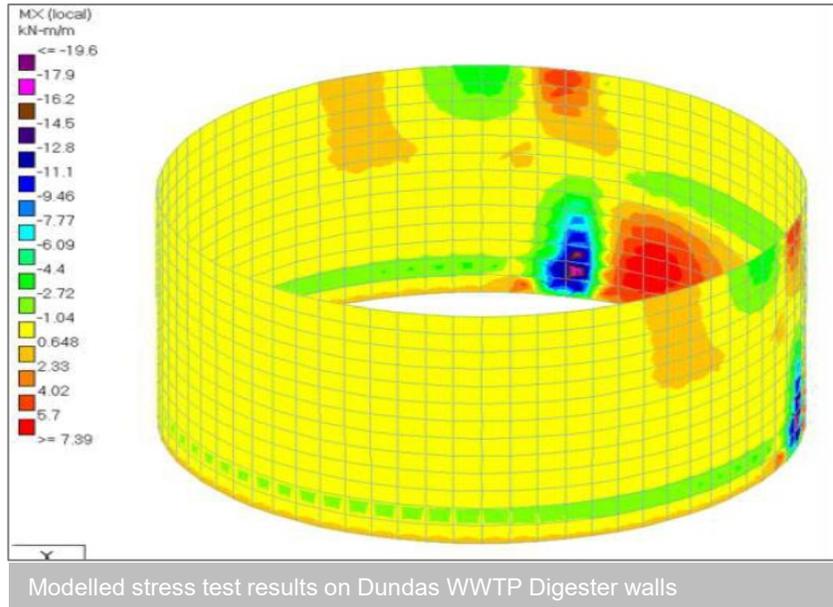
2024 BUDGET PRIORITY INVESTMENTS

Woodward Upgrades Phase 2 - Expansion Project

- Increasing average rated capacity to 500 Megalitres per Day (MLD) and peak capacity to 1000 MLD to meet growth requirements
- Rehabilitation/renewal of existing treatment plant infrastructure, expansion of tertiary treatment
- Anaerobic digesters rehabilitation – renewable natural gas, cost recovery
- **\$445M** construction cost estimate (**\$146.5M net**)
- Estimated target completion date of **2032**



2024 BUDGET PRIORITY INVESTMENTS



Vertical Asset Management

- Asset Condition Audits/Assessments to improve data accuracy
- Considerable backlog of facility upgrades, criticality prioritization, emergency maintenance costs
- **2023 Focus** – Financial Plan, Risk Management Plan
- **2024-2025** – Collaboration with Corporate Asset Management Office
 - Life cycle curves, costing framework, level of service, community engagement, procedure development, Enterprise Asset Management implementation



Sewer Rehabilitation

2024 BUDGET PRIORITY INVESTMENTS

Ward 1 - Bold St Trunk Sewer – Locke to Poulette

- Rehabilitation of 145m of brick trunk sewer using Glass Reinforced Plastic

Ward 4 - Strathearne Trunk Sewer – Strathearne Avenue

- Rehabilitation of 780m of concrete trunk sewer using crack injection

Wards 6 & 11 - Mountain Industrial Trunk Sewer (Glover Road, Rymal Road)

- Rehabilitation of 1800m of Reinforced Concrete Pipe using Cured in Place Pipe

Ward 8 - Upper James @ Claremont Access

- Rehabilitation of 112m of large concrete using Glass Reinforced Plastic

Ward 10 - Eastern Sanitary Interceptor - South Service Road near Fruitland

- Rehabilitation of 1700m using Cured in Place Pipe

Ward 12 - Ancaster Sewage Works – near Filman Road, Linc/403 ramps

- Rehabilitation of 860m of concrete trunk sewer using Cured in Place Pipe





2024 BUDGET PRIORITY INVESTMENTS

Stormwater Education Campaign

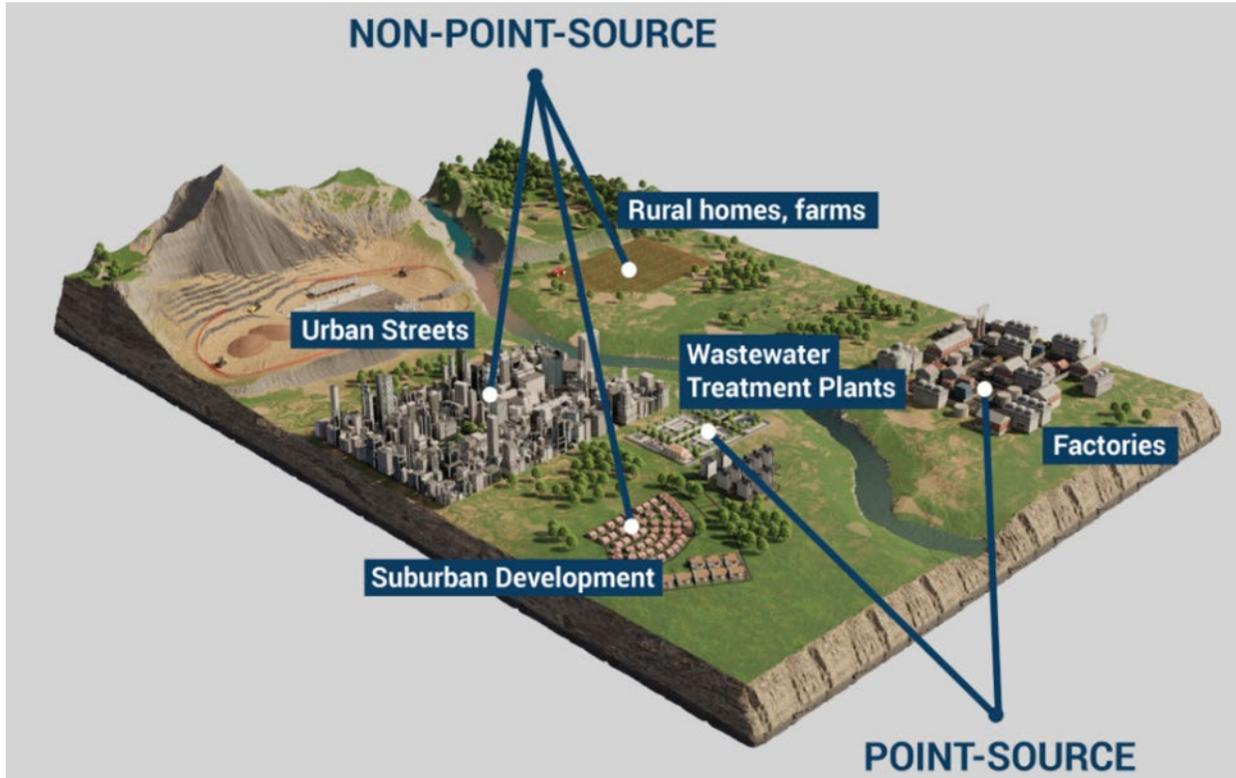
- Stormwater Fee Education
- Watershed Action Plan
- Catch Basin Awareness
- Stormwater Facilities – Operations & Maintenance, Safety
- Rain Gauge Education
- Private Disconnection Program Outreach





2024 BUDGET PRIORITY INVESTMENTS

City of Hamilton Watershed Action Plan



- Council priority to advance key municipal projects to improve watershed conditions across Hamilton
- Action plans are currently being evaluated and prioritized by the Stakeholder Liaison Committee comprised of City staff, Conservation Authorities, and RBG
- Public engagement via Engage Hamilton in 2024
- Council Report in 2024 on recommendations for the City of Hamilton Watershed Action Plan

2024 BUDGET PRIORITY INVESTMENTS

Operational Projects & Programs

- **Plant Operations - Global Chlorination Study**
 - Goal is to reduce water age, improve water quality and stabilize chlorine residuals year round
 - Develop operational strategies and identify infrastructure improvements
 - Terms of Reference complete, anticipating proposals by Q1 2024
 - Anticipated completion - Q2 2025
- **Environmental Monitoring and Enforcement**
 - Implement Phase 2 of the Surface Water Quality Monitoring Program



Surface Water Quality Program sampling



2024 BUDGET PRIORITY INVESTMENTS

Stormwater Funding Review

- Sustainable, dedicated funding source for stormwater capital and operations
- Council-approved guiding principles (November 2022)
- Council approval of new storm rate structure (June 2023)
- Storm fee effective September 2025
- Next steps - finalizing incentive programs (Q1 2024)
- No 2024 budget impact

Utility Billing Transition

- Estimated “Go live” date Q2 2025
- Cloud-based billing software solution procurement complete
- Next steps – procurement for meter reading, contact centre, bill print, customer portal and back office staff recruitment
- No 2024 budget impact





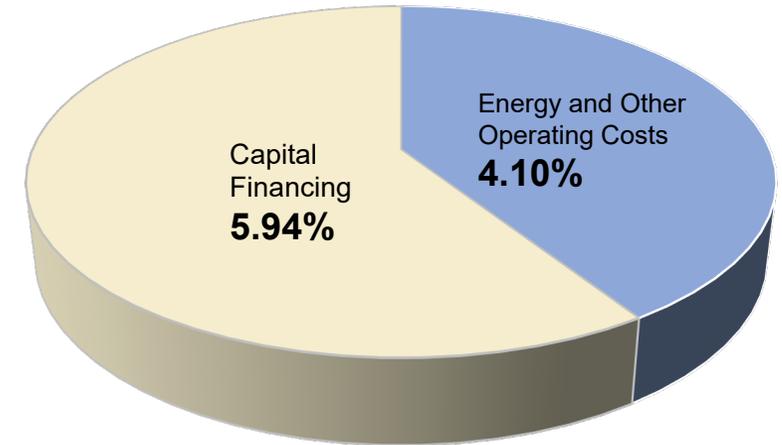
2024 BUDGET

2024 RATE BUDGET OVERVIEW

Proposed water bill (rate) increase for the typical residential account - **10.04%**

- Recommended 2024 **operating budget of \$121M** (11.6% increase from 2023 approved)
- Recommended 2024 **capital budget of \$286M** (29% decrease from last year's estimate)
- 10-year capital forecast has increased by **\$863M**
- Recommending **24** new FTEs aligned to Term of Council priorities and Mayoral Directive (MDI 2023-02)

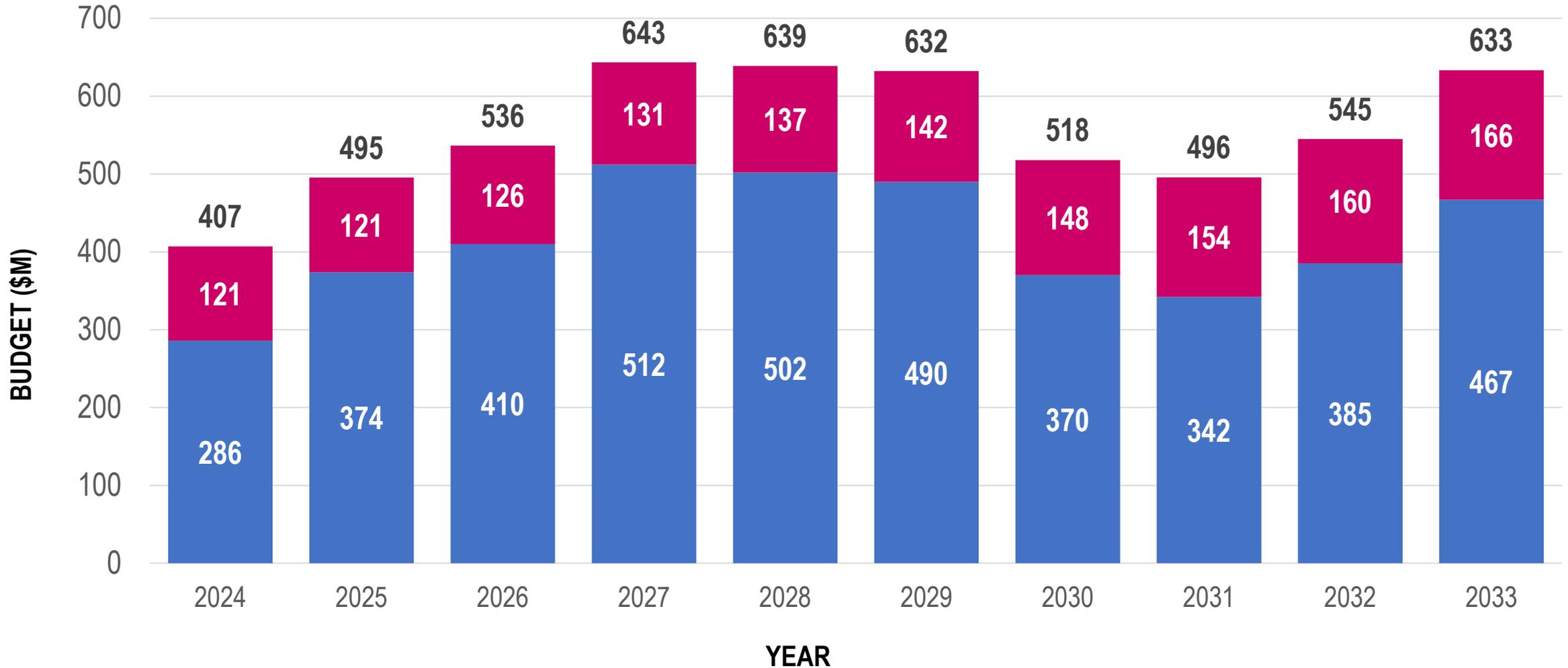
Drivers of 10.04% Increase



2024 Projected Average Rate Impact		
	\$	%
Energy and Other Operating Costs	\$35.94	4.10%
Capital Financing	\$52.16	5.94%
Average Residential Impact	\$88.10	10.04%

10 YEAR COMBINED RATE BUDGET FORECAST

- 2024 Recommended Operating Budget Forecast
- 2024 Recommended Capital Budget Forecast (Gross)





OPERATING BUDGET

2024 Rate Supported Budget

OPERATING BUDGET OVERVIEW

2024 Operating Budget Request Breakdown

2023 Council Approved Budget (net of Capital Recoveries)		\$108,512,318	
2024 Maintenance Budget Increases	\$10,550,359		9.7%
2024 New FTE Business Cases - 24 FTEs *	\$463,983		0.4%
FTEs resulting from Burlington St Sewage Spill Programs - 12 FTEs - Report PW22088(b)	\$1,479,262		1.4%
2024 Service Level / Budget Enhancements	\$1,365,000		1.3%
2024 Budget Efficiencies / Redundancies / Realignment	(1,257,797)		-1.2%
2024 Requested Budget Increase		\$12,600,807	11.6%
2024 Requested Operating Budget (net of Capital Recoveries)		\$121,113,125	

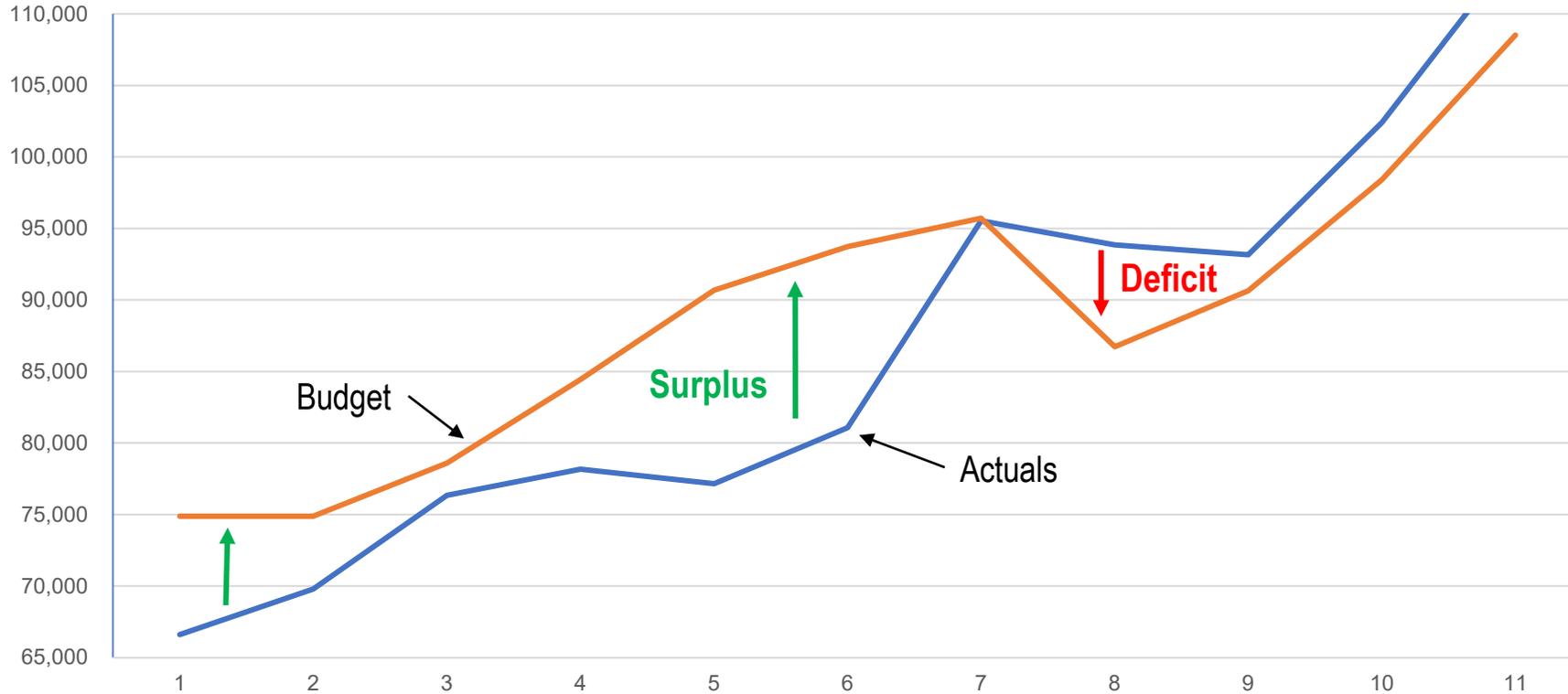
Note:

* New FTE Requests are net of Capital and Reserve Recoveries.

- The 2024 Operating Budget was forecasted to be \$113.1M as part of the 2023 Budget Process
- The Change Between the 2024 Budget Request and the 2024 “Plan” is \$8.05M or 7.1%
- 2024 FTE Recommendations Account for \$464K of the Operating Budget Increase or 0.4% net

RATE OPERATING BUDGET VARIANCE HISTORY

(\$000) (Net of capital recoveries)



Budget
Actuals

(Data has been pulled from the Variance Reports submitted to Council)

() Denotes unfavourable variance
*** 2023 Actuals are forecasted**

(\$000)	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023*
Budget	\$ 74,890	\$ 74,879	\$ 78,602	\$ 84,433	\$ 90,687	\$ 93,738	\$ 95,724	\$ 86,720	\$ 90,652	\$ 98,411	\$ 108,512
Actuals	\$ 66,595	\$ 69,799	\$ 76,343	\$ 78,162	\$ 77,162	\$ 81,076	\$ 95,539	\$ 93,842	\$ 92,696	\$ 102,404	\$ 114,461
Variance \$	\$ 8,295	\$ 5,080	\$ 2,259	\$ 6,271	\$ 13,525	\$ 12,662	\$ 185	\$ (7,122)	\$ (2,044)	\$ (3,993)	\$ (5,949)
Variance %	11.1%	6.8%	2.9%	7.4%	14.9%	13.5%	0.2%	(8.2%)	(2.3%)	(4.1%)	(5.5%)

MAINTENANCE BUDGET DRIVERS

Cost Category	Budget Driver	Budget Impact (\$000s)	% of Total Impact
Employee Related Costs	CBA Salaries & Benefits Increases	\$1,458	13.8%
Facility Pressures	Hydro	\$334	3.2%
	Natural Gas	\$234	2.2%
	Water & Sewer	\$186	1.8%
	Security	\$115	1.1%
	Other (Property Taxes, Garbage Collection, Telephone)	\$197	1.9%
Contractual Pressures	Locates Contract	\$3,730	35.4%
	Biosolids Contract	\$1,344	12.7%
	Fluids & Chemicals	\$1,137	10.8%
	Alectra Service Contract	\$240	2.3%
	PMATS, Laboratory Service	\$150	1.4%
	Operating Supplies	\$150	1.4%
	WDWWC, PMATS Contracts	\$500	4.7%
	Other (Excess Soil, Spill Response, HVAC R&M)	\$268	2.5%

SUMMARY

Cost Category	Budget Impact (\$000s)	% of Total Impact
Employee Related Costs	\$1,458	13.8%
Facility Pressures	\$1,066	10.1%
Contractual Pressures	\$7,368	69.8%
Corporate Cost Allocation	\$659	6.2%
Total Impact	\$10,550	100%

SERVICE LEVEL / BUDGET ENHANCEMENTS

Cost Category	Budget Driver	Budget Impact (\$000s)	% of Total Impact
Employee Related Costs	Tax Levy Funded Positions	\$441	32%
Facility Pressures	Security	\$131	10%
	Ground Maintenance	\$50	4%
Contractual / Consulting Pressures	Treatment Plant High Voltage Maintenance	\$576	42%
	Environmental Enforcement & Monitoring Consulting Assignment	\$100	7%
Material & Supplies / Agency Payments	Hamilton Harbour Remedial Action Plan	\$67	5%
Total Impact		\$1,365	100%



To offset the budget pressure of these service level enhancements, approximately **\$1.26M of savings** (budget efficiencies, redundancies and re-alignments) have been proposed

2024 Rate Supported Budget

OPERATING BUDGET – BY SYSTEM

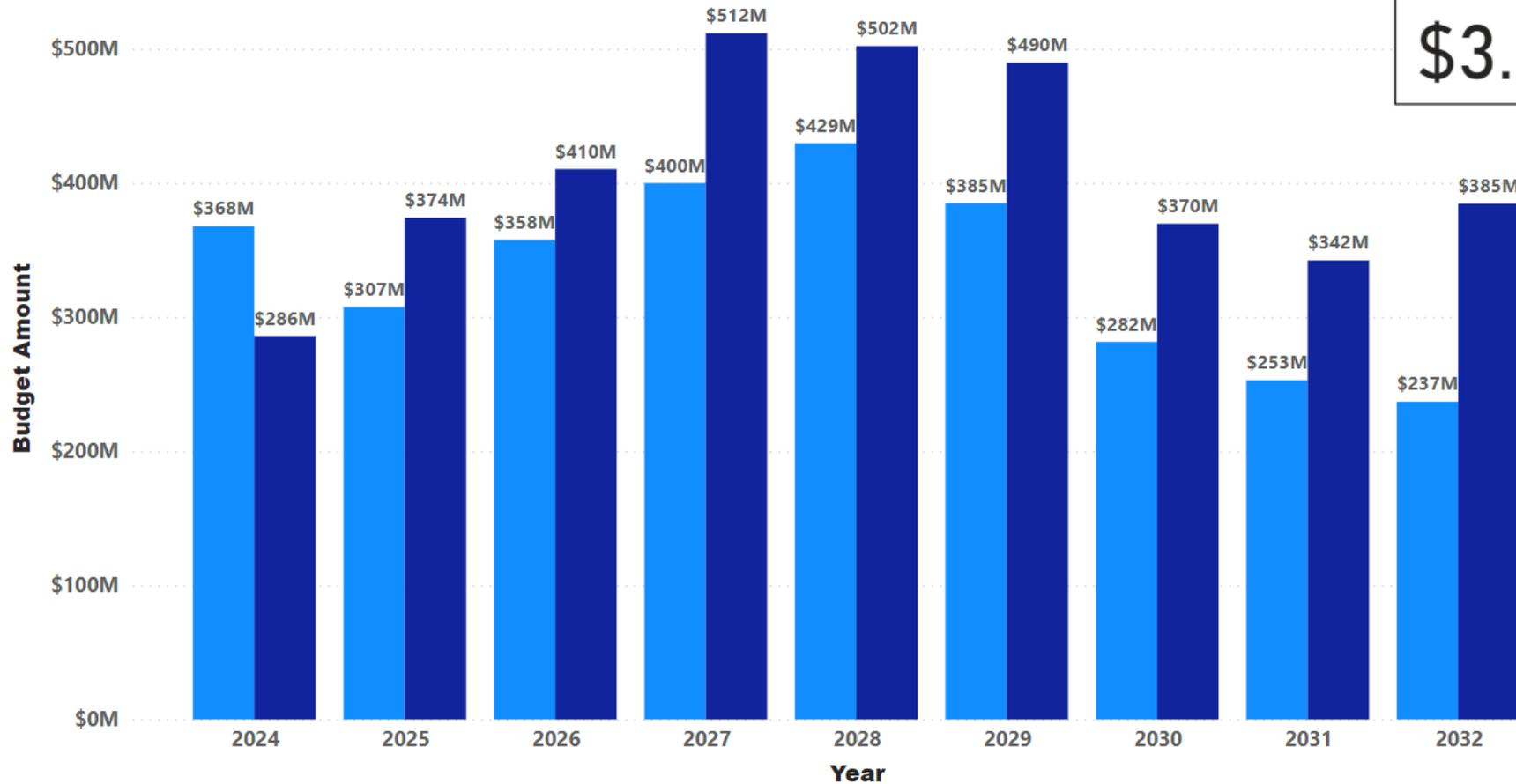
	Combined System 2024 Prelim. Budget	Water System 2024 Prelim. Budget	Wastewater System 2024 Prelim. Budget	Storm System 2024 Prelim. Budget
Divisional Administration & Support	11,911,663	5,844,810	5,322,167	744,686
Woodward Upgrades	1,862,321	893,542	893,542	75,236
Customer Service & Community Outreach	11,957,546	6,652,539	3,418,219	1,886,788
Compliance & Regulations	9,035,998	4,671,485	3,286,984	1,077,529
Water Distribution & Wastewater Collection	25,449,695	17,456,779	4,364,265	3,628,652
Plant Operations	40,003,970	16,504,997	23,435,339	63,634
Plant Maintenance	13,618,557	6,809,278	5,992,165	817,113
Capital Planning & Delivery	5,905,415	2,657,437	2,657,437	590,542
Watershed Management	1,863,619	-	-	1,863,619
Wastewater Abatement Program	1,141,839	-	1,141,839	-
Alectra Utilities Service Contract	6,250,606	3,125,303	3,125,303	-
Low Income Seniors Utility Rebate	500,061	250,029	250,032	-
Sewer Lateral Management Program	300,000	-	300,000	-
Hamilton Harbour Remedial Action Plan	679,084	-	-	679,084
Protective Plumbing Program (3P)	750,016	-	-	750,016
Financial Charges	84,483	11	84,440	32
Capital Recoveries	(10,201,749)	(5,399,554)	(3,796,191)	(1,006,005)
TOTAL EXPENDITURES	121,113,125	59,466,656	50,475,542	11,170,927
% of Total Combined System Budget	100%	49.1%	41.7%	9.2%



CAPITAL BUDGET

CAPITAL BUDGET FORECAST – 2023 vs 2024

Budget Amount by Year and Budget Version (9-year comparable window)



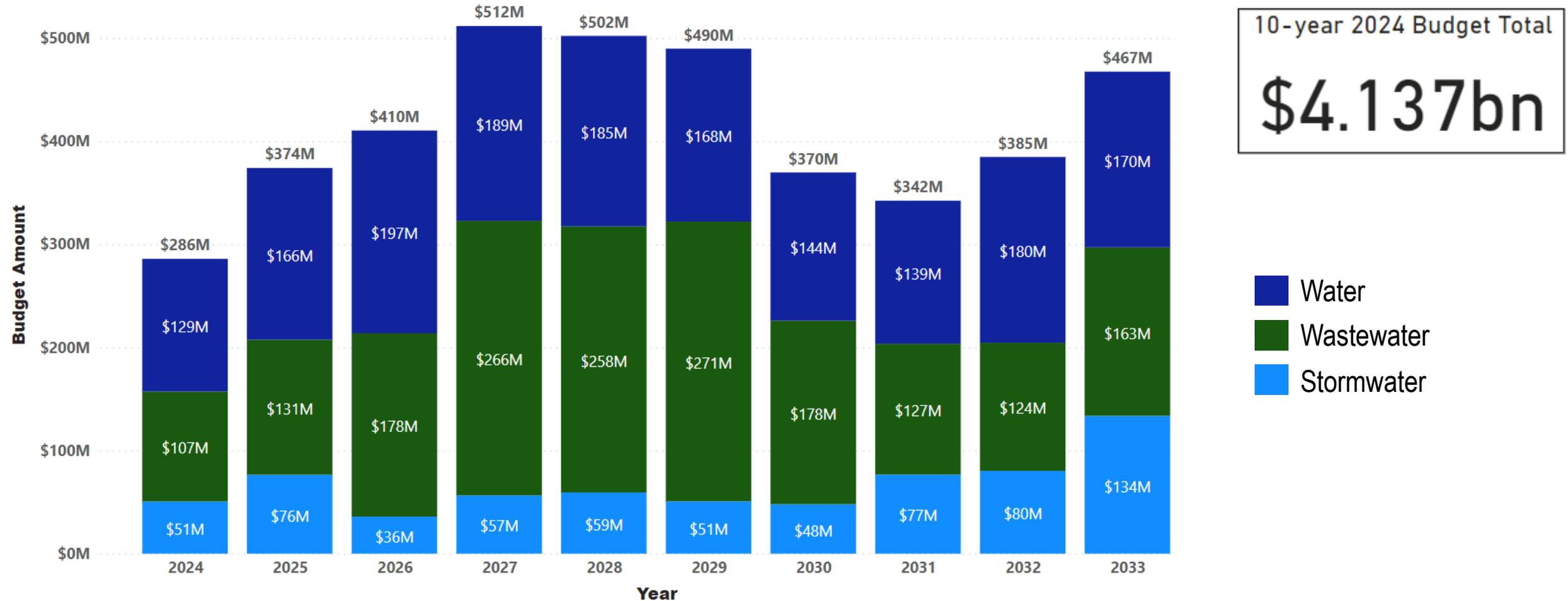
9-year 2023 Budget Total
\$3.019bn

9-year 2024 Budget Total
\$3.670bn

\$651M gross
 increase in the 2023
 – 2032 Gross Capital
 Program
 (9 year common window)

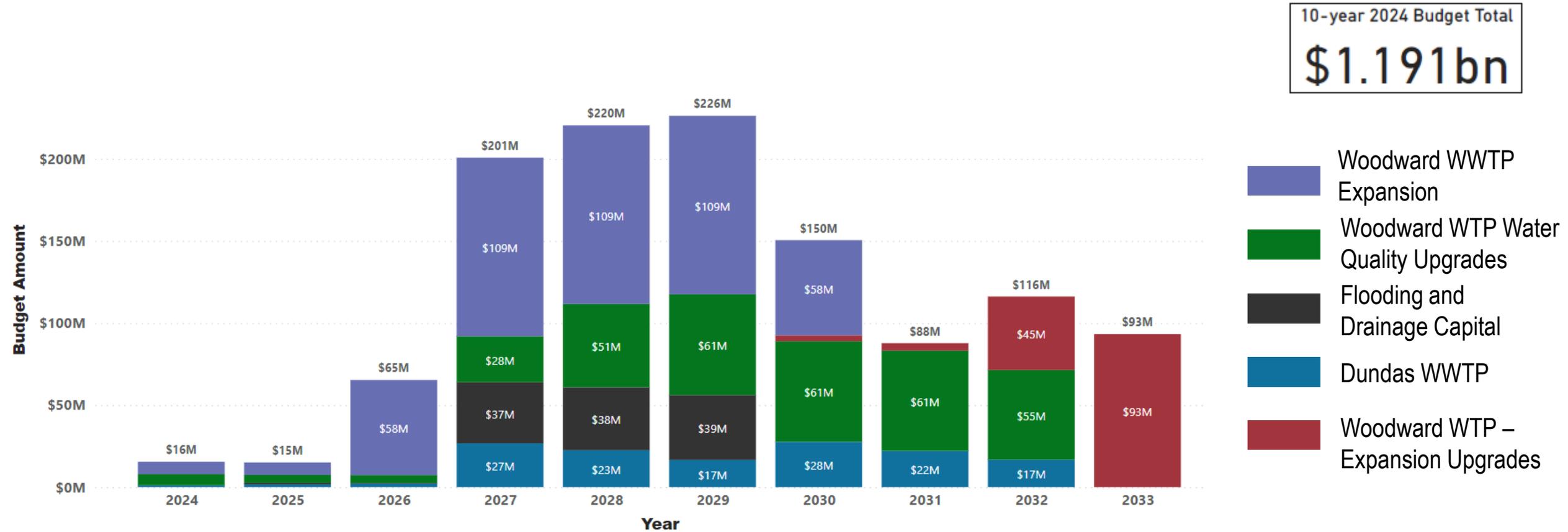
\$863M increase across
 10 year forecast

10 YEAR CAPITAL PROGRAM – BY SYSTEM (GROSS)



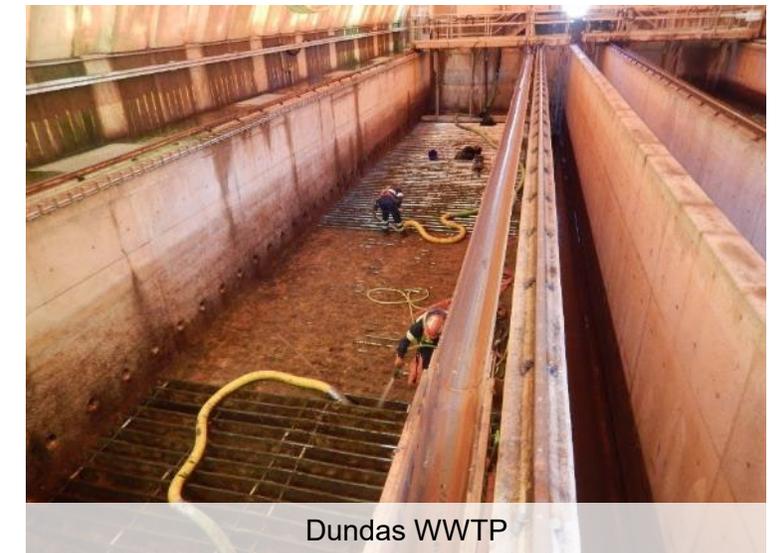
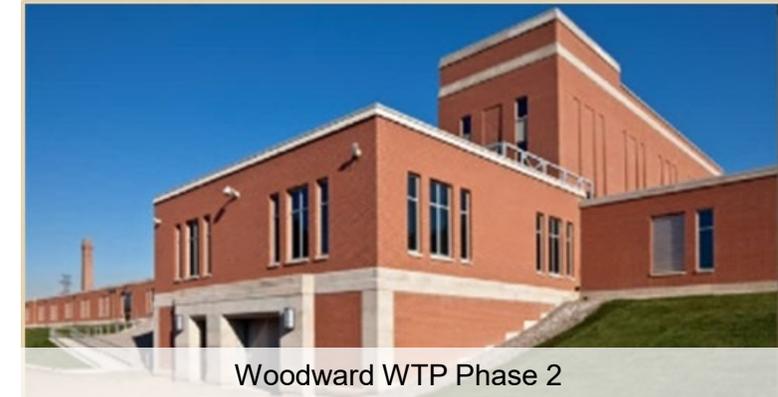
CAPITAL BUDGET – LARGE PROJECT 10 YEAR FORECAST (GROSS)

10-year 2024 Budget Total
\$1.191bn



CAPITAL BUDGET – 10 YEAR FORECAST DRIVERS BY PROJECT (GROSS)

- Woodward WWTP Expansion and Digester Rehabilitation - **\$525M**
(\$171M net rate impact)
- Woodward WTP Phase 2(A) - Water Quality Upgrades - **\$337M**
- Woodward WTP Phase 2(B) – Expansion - **\$210M**
- Rates Share of Road Reconstruction - **\$189M**
- Dundas WWTP Upgrades - **\$137M**
- Infrastructure Renewal - Linear Stormwater/Wastewater - **\$126M**
- Flooding and Drainage Master Plan Capital - **\$116M**
- Infrastructure Renewal - Watermain Lining - **\$89M**
- Water Outstation Upgrades – Asset Management Program - **\$80M**
- Wastewater Outstation Upgrades - Asset Management Program - **\$77M**
- Parkdale Wastewater Pumping Station Upgrades - **\$54M**



FUTURE BUDGET PRESSURES



August 2023 storm – flooding on Birch Avenue



Chedoke Creek

- Flooding and Drainage Improvement Framework EA outcomes
- Accelerated growth pressures
- Dundas WWTP - HHRAP Objectives
- Water, Wastewater & Stormwater Master Plan Update outcomes
- Actions to address the Climate Emergency
- Global Chlorination Study outcomes
- City of Hamilton Watershed Action Plan outcomes
- Improving Asset Management Program
- Funding partnerships with Provincial & Federal governments

PROJECT PRIORITIZATION

Capital projects are evaluated and prioritized throughout the budget cycle based on:





FTE BUSINESS CASES

FTE BUSINESS CASES

SECTION	Last Year's 2024 Forecast	Actual 2024 Request
Woodward Upgrades	0	0
Watershed Management	2	2
Director's Office	1	0
Compliance & Regulations	4	1
Project Management Office	0	0
Capital Delivery	2	0
Water & Wastewater Systems Planning	1	2
Plant Maintenance & Technical Services	1	0
Plant Operations	0	0
Customer Service & Community Outreach	1	19
Water Distribution & Wastewater Collection	1	0
TOTALS	13	24

PM - Watershed Management (2)

Surface Water Quality Technologist (1)

SPM Hydraulic Modelling (1)

PM Stormwater Planning (1)

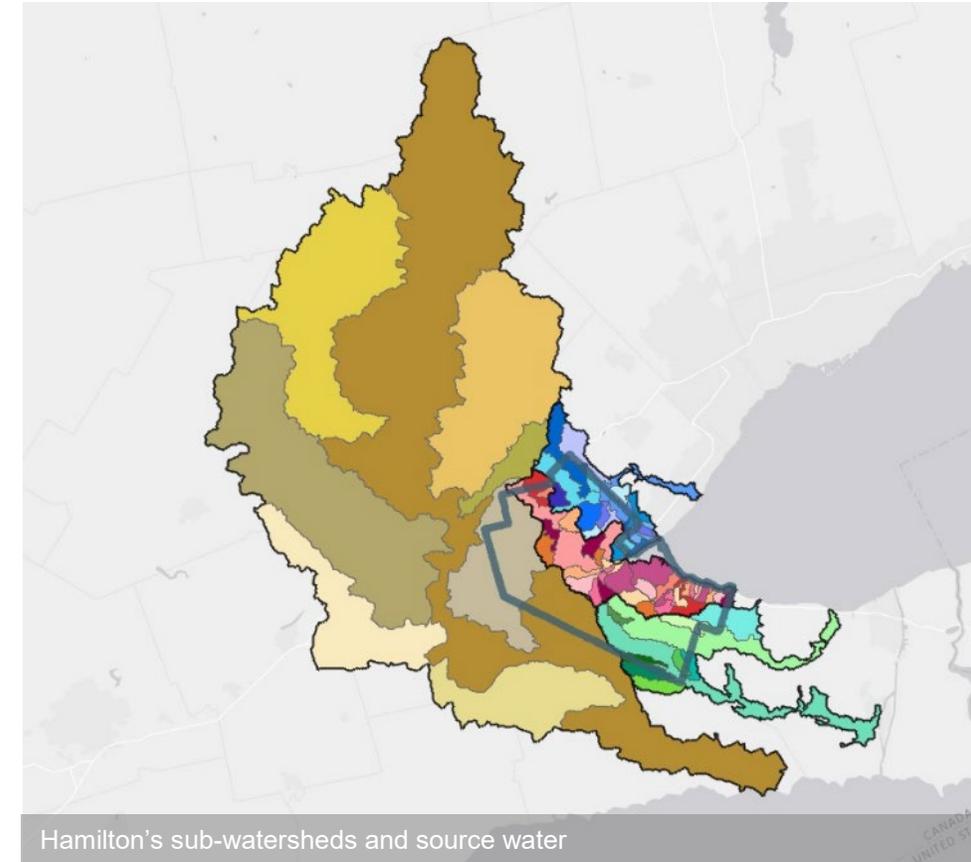
In-house Locates Office



FTE BUSINESS CASES

Key Watershed Initiatives

- **2 Project Managers (Watershed Management)** – To implement projects, programs, policy development, and community outreach from the **Term of Council Priority - City of Hamilton Watershed Action Plan**
- **Technologist - Surface Water Quality Program Phase 2** – To execute the augmented Surface Water Quality Program, an action stemming from the Chedoke Order
- **Project Manager (Stormwater Systems Planning)** – Complete Environmental Assessments from the Flooding and Drainage Improvement Framework, Master Plan to reduce wastewater discharges to the natural environment and evaluate neighbourhoods for new green infrastructure



Hamilton's sub-watersheds and source water



FTE BUSINESS CASES



Supporting Hamilton's Growth and Development

- **1 Senior Project Manager – Hydraulic Modelling**
 - Constraints with combined sewer capacity in the lower City, growth in certain areas exceeding projections
 - Dedicated hydraulic modelling staff will increase our capacity for accurate and expedited information on water/wastewater system capacity, address backlog
 - Reduce hydraulic modelling consultant assignments by bringing work in-house



FTE BUSINESS CASES

Public Works Internal Locates Office



- In 2024 the City is projecting to spend over **\$6M** responding to and contracting out utility locates across the Hamilton Water, Transportation, and Environmental Services Divisions
- Current contracted service has varying/poor response times, with significantly escalating costs
- Bill 93 introduced penalties for delayed locates (**\$8M estimated risk**)
- Significant inefficiencies and redundancies observed by staff



Public Works Internal Locates Office – Business Case

In-House Model (19 FTEs)

- Year 1 Additional Costs:
 - \$2.1M = \$1.2M Operating + \$900K Capital
- Annual Impacts After Year 1:
 - Operating: **(\$3.3M savings)**
 - \$0 net impact to Tax Supported Budget
- Faster delivery of projects, eliminate risk of fines
- Greater degree of control over the process, continuity and consistency between Divisions
- Locates office will be created in Hamilton Water Division to support all Public Works Divisions





FTE BUSINESS CASES



Corporate Facilities and Energy Management

- **Project Manager** – focused on meeting the City's climate actions with a focus on water and wastewater facilities – energy efficiency projects, emissions impacts, life cycle analysis, monitoring and reporting



Corporate Services - Procurement

- **Contract Coordinator, Procurement Specialist**
Increased support and risk reduction for managing large capital construction contracts, improve timelines for procurement services



FUTURE FTE RECOMMENDATIONS

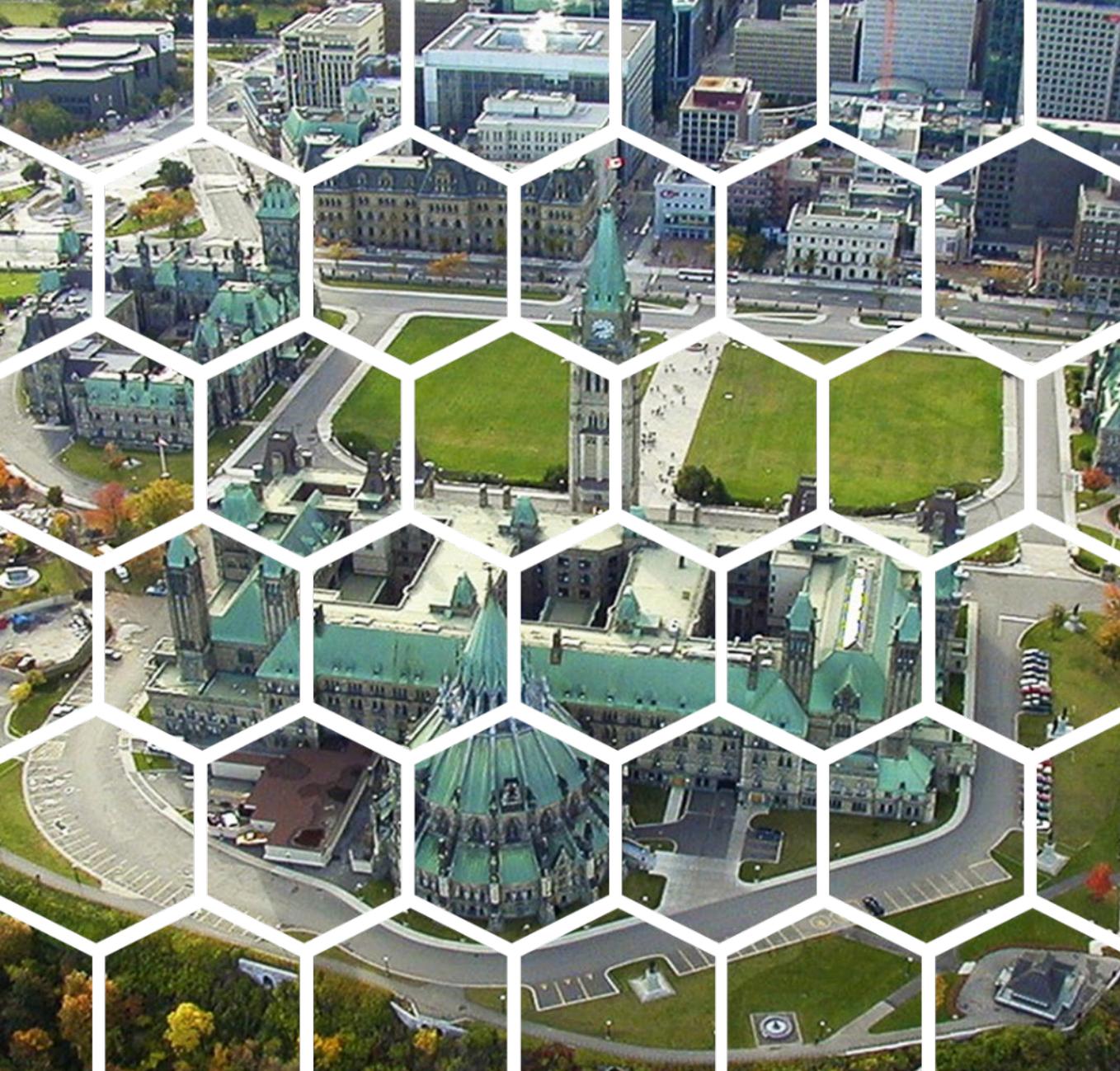
Supporting Large Capital Projects Dundas Wastewater Treatment Plant & Woodward Water Treatment Plant Upgrades



- Transformational, generational, multi-year capital projects/programs require dedicated and experienced project teams
- Reduces risk and increases value for rate payers
- Recommendation reports will be presented in 2024
- Capital-funded staffing costs are included in the Recommended 2024 Rate Budget

2024-2028 FTE FORECAST

SECTION	Last Year's 2024 Forecast	Current 2024 Request	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast
Woodward Upgrades	0	0	0	0	0	0
Watershed Management	2	2	0	1	0	0
Director's Office	1	0	0	0	1	0
Compliance & Regulations	4	1	2	2	2	0
Project Management Office	0	0	0	0	0	0
Capital Delivery	2	0	0	0	1	0
Water & Wastewater Systems Planning	1	2	2	1	0	0
Plant Maintenance & Technical Services	1	0	0	1	1	2
Plant Operations	0	0	0	2	0	2
Customer Service & Community Outreach	1	19	4	0	3	2
Water Distribution & Wastewater Collection	1	0	0	1	0	0
TOTALS	13	24	8	8	8	6



GOVERNMENT ADVOCACY

GOVERNMENT ADVOCACY



- Robust intergovernmental relations strategy throughout 2023
- Multiple discussions with:
 - Prime Minister's Office & Parliamentary Secretary/Special Advisor on Water
 - Federal Minister of Housing, Infrastructure, and Communities
 - Ontario Minister of Infrastructure
 - Ontario Minister of Environment, Conservation and Parks
 - Infrastructure Canada
- Advocacy at AMO and FCM

THANK YOU





INFORMATION REPORT

TO:	Mayor and Members General Issues Committee
COMMITTEE DATE:	November 21, 2023
SUBJECT/REPORT NO:	Alectra Utilities Water, Wastewater and Storm 2023 Service Activity Report (FCS23102) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Katie Black (905) 546-2424 Ext. 6415
SUBMITTED BY:	Brian McMullen Director, Financial Planning, Administration and Policy Corporate Services Department
SIGNATURE:	

COUNCIL DIRECTION

Not applicable.

INFORMATION

Alectra Utilities Corporation ("Alectra Utilities") has been providing water and wastewater / storm account management and billing services to the City of Hamilton ("City") since December 2001 with a renewed service agreement executed in June 2020 extending terms to December 31, 2024 (for details refer to Report FCS19095(a)).

On August 6, 2021, the City was advised that Alectra's Board of Directors, at its May 21st meeting, approved an Alectra staff recommendation to discontinue water billing services. Alectra has committed to upholding the Water Billing Services Agreement with a focus on winding-down providing water billing services to the City at the time of contract expiry, being December 31, 2024 (for details refer to Report FCS21082).

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

SUBJECT: Alectra Utilities Water, Wastewater and Storm 2023 Service Activity Report (FCS23102) (City Wide) – Page 2 of 2

As per Report FCS21082(e), the revised completion timing of the billing transition program is Q2 2025. Alectra has confirmed that it will continue providing utility billing services into 2025 when the City is able to assume billing responsibility. Discussions with Alectra regarding an extension agreement are to be scheduled to determine the terms and conditions for Alectra to continue providing billing services for the City.

The budgeted cost of these services for 2023 is \$6.0 M. Costs are adjusted annually based on the terms of the service agreement, growth in customer accounts and for the City's 50% share of any postal rate increases that may occur from time to time.

Appendix "A" to Report FCS23102 provides a report of the service activities provided by Alectra Utilities during 2023.

APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report FCS23102 – Alectra - 2023 Water and Wastewater / Stormwater Services Activity Report to the City of Hamilton – October 2023

KB/dt



2023 Water and Wastewater/Stormwater Services Activity Report to the City of Hamilton

October 2023

Rob Rohr, Manager Billing

2023 in Review

Alectra Utilities Corporation ("Alectra") services over one million homes and businesses across a 1,924 square kilometre service territory, comprising seventeen communities. Billing, payment, and related customer services are provided to approximately 436,000 water and wastewater customers across four municipalities, including 160,000 customers within the City of Hamilton (City). Approximately 36,000 Hamilton customers receive a stand-alone water services bill where the customer premise is outside of Alectra's electricity distribution service territory.

The following is a summary of 2023 in review:

Unbilled City of Hamilton water accounts

In April 2022, Hamilton City Council received a report from City staff that advised a number of significant high volume water accounts had temporarily not been billed and that the total level of unbilled water accounts was relatively high as a result of COVID-related challenges, including Alectra staffing challenges, and access restrictions to customer premises driven by COH policy / process changes, together with the inability to contact customers to establish appointments to read or repair meters. The City staff report noted that there were 1,500 unbilled accounts greater than 70 days aged, and that it would take approximately 4 months to resolve to a more sustainable level. By October 2022, the number was successfully reduced to 729.

Alectra committed to implement several corrective actions and controls to enhance its processes and address concerns with unbilled invoices and subsequent back billing as detailed below. The success of these actions has continued into 2023 and is reflected in the latest Meter Reading and Billing Statistics found on page 6 of this report. As of October 2023, the number of unbilled water accounts has decreased further from 729 in October 2022 to only 63. Based on approximately 160,000 accounts, this is a bill success rate of 99.9%.

Process Changes

Alectra Utilities has implemented the following corrective actions and controls to enhance its processes and address concerns with unbilled invoices and related back billings.

Investment in people

- Dedicated Billing Supervisor for Hamilton Water to ensure adequate focus is placed on water billing through December 2024.
- Continue to monitor KPI's and offer overtime to provide more capacity.
- Continue to prioritize continuous learning, upskilling, and training to increase staff's ability to deal with complex billing concerns. More Billers are trained and called upon to help with unbilled water billing and related backlog issues.
- Dedicated Billing Training Supervisor and dedicated Billing Trainer on the Training Support team.
- Hire co-op students year-round to follow-up on estimated Hamilton water accounts

Process Changes Completed

- A streamlined escalation path was implemented for the Contact Centre to allow for the escalation of unbilled water accounts to a designated team for quicker action and resolution.
- Implementation of internal KPI's to monitor the City of Hamilton in-box and to track manual processes related to meter changes and field activities.

- Increased follow-up on potential stopped meters with customers to reduce the number of FA's sent to the City.
- Continue to report estimated accounts to the COH and implement actions as directed. Compliance activities to support obtaining actual reads has resumed in coordination with the City.

Future Process Changes

- Update of automated outbound high usage calls to provide premise address as some customers may own more than one property.
- Update of website and introduction of an app to enhance the customer experience including more insight on their usage and bills, notifications and ability to make payment arrangements online.

City of Hamilton Water Leak Adjustment Policy

As of January 1, 2022, the COH implemented a new Leak Protection Program to cover excess costs resulting from unexpected water leaks in resident's homes. The Program offers increased coverage for qualifying leaks of up to \$2,500 once every 24 months for residential customers who may incur an unexpected expense on their water bill that water leaks can cause.

Administration of the revised Program shifted to a City third party administrator (ServLine) with account credit adjustments for approved claims continue to be completed by Alectra. As mentioned previously, the Program has seen a total of 221 approved claims to date this year and approximately \$188K in credits to assist customers with water leaks.

Pandemic Recovery and Response

Alectra Utilities is committed to providing accurate water billing to Hamilton customers and recognizes that underestimated consumption is problematic. To help manage estimated consumption, Alectra Utilities has historically had in place several controls, including monthly reporting of estimated accounts to the City. Commercial accounts with more than three consecutive estimated bills were estimated based on two times historical consumption. During the Pandemic, access to inside meters was curtailed, limiting ability to repair/replace malfunctioning touch pads and water meters. As access restrictions to premises is the same as pre-pandemic, Alectra has worked diligently with City to action stopped meters, malfunctioning touch pads and water meters. This included resumption of compliance activities to gain access to replace water meters as required.

Alectra continues a customer-focused approach for families and businesses still facing financial challenges post-pandemic.

- Alectra continues to support customers in financial difficulty through flexible payment terms.
- Alectra encourages anyone having trouble paying their bills to consider a variety of the available assistance programs, including the Low-income Energy Assistance Program, and the Ontario Electricity Support Program.
- Customers having trouble making payments are encouraged to reach out to Alectra to establish a payment plan that works for them.

2023 Service Overview

In 2023, Alectra's suite of water related services for the City included:

- Meter reading
- Bill calculation, printing, mailing and electronic bill presentment options (paperless e-billing)

- Customer notifications
- Full customer Contact Centre support, responses to inquiries and liaison between the customer and the City for escalated concerns including high consumption inquiries related to seasonal usage
- Supporting the City's Leak Adjustment Policy by providing billing history for customers with leak adjustment claims to the City and processing credit adjustments to accounts for customers with approved leak claims
- Payment processing
- Account collections including the administration of payment arrangements
- Online customer tools and access to account information including account status and consumption information
- Monthly and annual statistical reporting
- Ad-hoc reporting upon request
- Completion of work orders; issuing service orders to Hamilton Water
- Transfers of water and wastewater/stormwater arrears to property tax roll
- Billing, invoicing, payment processing and management of Sewer Discharge Permits
- Billing and collection of loans related to the City's Lead Water Service Line Replacement Loan Program
- Managing Energy & Water Reporting and Benchmarking (EWRB) legislative reporting requirements for customers

Meter Reading and Billing

The foundation of customer billing services is the receipt of accurate and timely invoices. Alectra Utilities manages its meter reading schedules daily to ensure that water meter reads are available to support monthly water and wastewater/storm billing for all customer types.

Alectra Utilities and the City strive to obtain actual meter readings for accurate billing. Where an actual reading cannot be obtained, the account is billed to an estimated reading based on the account's historical usage. Meter read request cards that alert customers an actual reading was not obtained are left at the property. Estimated reads are clearly identified on the customer's bill. Meter reads may be provided by calling Alectra Utilities Customer Service department, utilizing our automated Interactive Voice Response ("IVR") telephone system, or completing a water meter reading online form on the Alectra Utilities website. If three consecutive meter reading estimates occur, a separate notification letter and an automated TTS (Text-to-Speech) outbound call are provided as additional customer engagement communications.

As the pandemic measures came to an end, many schools and businesses were reopened and allowed access to Meter Readers and City Technicians, rendering the meter accessible. Approximately 40,000 bills based on estimated meter reads were issued during the pandemic. Alectra re-billed customers if the estimated meter read varied significantly from the actual meter read. Catch-up bills were issued when estimates proved to be lower than the actual metered usage. Customer friendly language to explain variances was provided by Alectra Call Centre and Billing Representatives. Actual meter reads are the foundation of providing customers accurate bills. In 2023, the meter read success rate has returned to historical norms.

Electronic "smart" water meters have been installed in hard-to-reach locations and are read through Alectra's wireless telecommunications. More than 600 electronically read water meters were installed. As the City looks to alternate billing and meter reading solutions, these meters will be converted to current technology used by the City.

In 2023, Alectra continued to manage some aspects of the City's Lead Water Service Line Replacement Loan Program. This includes the billing and collection of loans provided to residential property owners who qualify for the program. Prior to 2019, these loans were collected via the property owner's taxes.

Alectra's Customer Information System ("CIS") supports billing for a range of fees and charges required by the City including metered rates, various non-metered rates, and fixed charges based on meter size. Complex billing scenarios such as water haulers, master/satellites, seasonal meters, compound meters and electronic read water meters are all also managed through custom configuration within the CIS. Invoicing of the City's Wastewater Abatement Program, Private Fire Line user fees, Sewer Discharge Permit fees, back-billings and various Hamilton Water service charges are also managed by Alectra's billing application.

The City's meter replacement and meter maintenance programs have fully resumed post pandemic. Alectra's Billing team continued to work cooperatively with the City to finalize any outstanding work orders and is current in processing work orders.

In accordance with Council-approved water billing policy changes effective June 2018, Alectra Utilities continues to transfer residential accounts into the registered property owner's name as tenants vacate properties. Property owners benefit through opportunities to save interest and administrative costs

related to tenant arrears being transferred to the tax roll, as well as having, the ability of identifying and responding to potential leaks at their rental property. There are currently only 5,503 residential accounts remaining in the tenant’s name.

Meter Reading and Billing Statistics

	2023	2022	2021	2020	2019
	Forecasted	Actual	Actual	Actual	Actual
Number of Invoices	1,902,000	1,881,216	1,867,483	1,864,004	1,865,340
Revenue	\$272 MM	\$252 MM	\$233 MM	\$229 MM	\$223 MM
Meter Reads	1,835,664	1,713,283	1,813,146	1,736,440	1,662,759
Meter Read Success Rate	96%	92%	96%	96%	95%
New Accounts Created	2300	1,971	1,660	1,389	2,941
*Touchpad”, not working” Service Orders	300	827	989	565	879
Service Orders to relocate remote touchpad	100	204	212	120	278

**Alectra reviews read errors - “Touchpad”, not working”, reported by our third-party meter reader. A “double check verification is completed by a lead hand. Due to this Alectra initiative this has attributed to a significant reduction in service orders sent to the COH.*

Unbilled Accounts as of Sept 30, 2023:

Unbilled Accounts by Meter Size	Number of Accounts
0015 MM	2
0016 MM	27
0020 MM	21
0021 MM	1
0025 MM	1
0038 MM	1
0050 MM	2
0100 MM	1
0150 MM	1
0200 MM	1
(blank)	5
Total	63

Unbilled Accounts by Aging Bucket	Number of Accounts
70-100 Days	30
100-200 Days	26
>200 Days	7
Total	63

Unbilled Accounts By Customer Type	Number of Accounts
Residential	38
Commercial	23
Unmetered	2
Total	63

Customer Care and Communications

The Customer Care team continues to be customer focused and to revolutionize the Alectra customer service experience. Improving and evolving all communication touchpoints to strike the right balance between assisted support and self-serve, by proactively building a Customer Care team with a human touch, and by fostering a celebrated customer-first culture.

In 2023, the Contact Centre's goal is to provide a culture of recognizing and rewarding Customer Care agents who provide quality customer experiences. Alectra's focus was on quality improvements from a process perspective. Average Handle time increased to ensure that each customer received an exceptional customer experience and as a result has increased First Call Resolution Statistics. We had our FCR peak moments in Feb at 84% in Q1, in May at 86% in Q2 and at 78% in Q3.

Alectra understands that customers may experience difficulties paying their bills and the Customer Care team is committed to providing customer support and connecting customers to social agencies. As community partners, Customer Care Representatives have worked with customers by creating approximately 2,000 successful payment arrangements YTD. This assisted customers that are unable to make a payment or may have an issue with their account.

Shifting the workload away from transactional, repetitive calls can address more time for Customer Care to focus on complicated inquiries from customers. The 2023-2024 Customer Care strategy will focus to move to more self-service options and give more capacity to improve the Customer Experience while offering more rewarding work to Customer Care employees. Our current web customer self-serve rate is at 48.6% as of August. We want to ensure a continuous increase in use of Smart Forms, increase in the number of customers who use autopay, increase the number of moves and number of payments completed via a digital channel. Alectra is shifting from a transactional to a solution-oriented interaction during the live, complex calls that matter most to customers. Customer Care is also turning to self-service channels to be launched in 2024 and tech to resolve high volumes.

In 2023 Customer Care prioritized and invested across the people, operations, and tech aspects of the customer care strategy.

- Customer Care set out the vision for the customer care organization, capturing what excellence looks like.
- We conducted a rapid but thorough due-diligence-style assessment of people, processes, and capabilities, looking at the customer care operation in a new light to identify not just incremental changes but a reimagined, large-scale transformation.
- Launching a transformational Quality Assurance program, depending on organizational strengths and preferences.
- Leverage the full suite of available technologies and analytical approaches that are driving successful outcomes in customer care, including launch of online chat for 2024 and exploring capabilities of AI in frontline operations to match work to Customer Care Representatives, together with cognitive AI assistance for resolving simpler customer queries.

Alectra's website at www.alectrautilities.com/hamilton-water has a section dedicated to water and wastewater/storm services and customer education including:

- Water and wastewater/storm billing explanations
- Understanding your water bill
- Water and wastewater/storm rates
- How to read a water meter
- Things you need to know before buying a home or going away
- Information regarding the City's Water Account Privacy Statement
- Information regarding various billing policies including the City's Arrears Policy, Back billing Policy, Payment Arrangement Policy and Water Leak Adjustment Policy
- Information detailing who is responsible for water and wastewater/storm charges
- Information regarding Private Fire Line Charges and Sewer Discharge Permit Charges
- Water and wastewater/storm service user fees
- Frequently asked questions
- Water saving tips and conservation

Customers can access Alectra's easy to use MyAccount portal to securely view their bills, understand historical water consumption and utilize account management features such as the paperless billing option. Alectra initiated a Customer Experience project called Project Atlas with the goal of implementing further enhancements and increasing ease of use on the Alectra My Account Portal, self service options and smart forms. The initial roll-out of this project will be implemented in Q4 of 2023.

The Customer Care team supports billing, payment services and collection activities including all components of water and wastewater/storm account management. The Contact Centre's training team has implemented water and wastewater training for additional resources to support our service provided on the Hamilton Water dedicated queue.

The Contact Centre responds to queries such as:

- Notification of a change of address (processing of move in and out for both owner and tenant accounts)
- Requests to discuss payment options
 - Pre-authorized payments
 - Equal payment plans
- How rates and charges are calculated
- Payment arrangement options and Collection activities
- Conservation information
- Transfer of water/wastewater/storm arrears to the property tax roll
- Meter reading access issues
- Inquiries about high usage / high bills (including the provision of leak detection education) and meter accuracy inquiries
- Alectra also has a voicemail where customers may leave a water read

Timely customer communications support positive customer relations. City bill inserts are included with invoices to advise customers of rate schedule changes or policy modifications. Additionally, special mail- outs are coordinated for the City as requested.

Customer calls answered within 30 seconds:

	2023 Forecast	2022 Actual	2021 Actual	2020 Actual	2019 Actual
Incoming Calls	65%	70%	70%	67%	76%

Alectra’s Contact Centre is committed to providing timely, effective and efficient service. Alectra values our customer’s time and as such our goal is to respond to inquiries and provide First Call Resolution whenever possible. Year-to-date, over 80% of customers surveyed indicated that their request was resolved in one call to the Contact Centre.

Payment Options and Collection Services

Alectra offers a variety of payment options tailored to each customer’s unique needs. Customer payment options include:

- Automatic pre-authorized payment plans
- Equal monthly payment plans
- Cheque, money order, or bank withdrawal from most financial institutions
- Telephone banking
- Internet banking
- Credit Card Payment (with a Convenience Fee)

The *Municipal Act, 2001*, allows unpaid water and wastewater fees and charges to be placed on the City of Hamilton tax roll for the property to which the public utility was supplied, irrespective of who the consumer or account holder may be or have been.

In accordance with the City's Water/Wastewater Arrears Policy and to assist property owners who direct water and wastewater/storm billings to a tenant, Alectra endeavors to notify property owners of tenant/account holder arrears at 30 calendar days beyond the due date. If the account remains unpaid, the water/wastewater/storm arrears will be added to the property’s tax roll when the account is 60 calendar days beyond the due date. Alectra manages the process of electronically transferring the outstanding fees and charges related to active and final billed accounts to the property tax roll.

Payment Options and Arrears Support

	2023 Forecast	2022 Actual	2021 Actual	2020 Actual	2019 Actual
Percentage of customers on Pre-Authorized Payment	33%	33%	27%	26%	26%
Water/Wastewater on Equal Payment Plan	7,200	7,345	7,691	8,113	8,524
30 day / 60 day Arrears Notification Letters sent	37,000	38,128	48,466	53,115	54,415
Number of Accounts Transferred to Tax Roll	22,500	20,224	23,762	21,135	20,151
Arrears Value	\$5.1 MM	\$4.4MM	\$4.7 MM	\$4.1 MM	\$3.0 MM

Administration and Management of City Programs and Special Requests

Arrears Certificates: Upon request from a solicitor, water and wastewater/storm arrears certificates are sent advising of any outstanding charges that remain at the time of closing for real estate transactions.

Service Orders: Alectra Utilities processes a variety of service orders from Hamilton Water’s Customer Service and Community Outreach section related to activities such as new meter installations, meter replacements and account transfers.

High Water Read Notification Program: On behalf of the City, Alectra provides notification to account holders who experience higher than average historical water consumption. This timely notification provides customers the opportunity to identify and repair any leaks or identify usage that would affect the amount of water consumed.

Water Leak Adjustment Policy: The City of Hamilton’s Water Leak Adjustment Policy provides residential customers who utilize City of Hamilton water services with financial assistance under certain circumstances. The Policy provides an opportunity for customers to request adjustments to water/wastewater/storm charges where repair(s) of water leaks within private property occurs, excluding any water leaks in the water service pipe.

Customers may request adjustments to water and wastewater/storm charges by completing a Water Leak Adjustment Request form (available on the City’s website). Information on the Policy guidelines, qualifications and application form is available at www.hamilton.ca/leaks.

Billing of Seasonal Accounts: Reads and their related work orders completed by the City are forwarded to Alectra Utilities twice per year and the information is used to reconcile seasonal accounts.

Billing of Sewer Discharge Permits: On a quarterly basis, Alectra bills sewer discharge permits with the City’s annual budget for these revenues of almost \$10.5MM. Monthly reporting of unpaid accounts is forwarded to the City for tracking purposes.

Program Management Information

	2023 Forecast	2022 Actual	2021 Actual	2020 Actual	2019 Actual
Service Orders Completed	20,000	20,673	25,762	25,107	21,877
High Water Notification Letters	29,000	24,913	17,657	22,086	34,642
Leak Adjustment Request Forms Received	N/A	N/A	69	55	53
Leak Adjustment Credits applied to accounts	\$250,000	\$123,779	\$25,258	\$25,949	\$26,768

Reporting

Alectra has reporting to manage the water and wastewater/storm billing activities including exception handling. A variety of statistical and summary reports are sent to the City each month to enable analysis and program oversight, including:

- Monthly billing detail report
- Adjustments detail report
- Leak Adjustments summary
- Wastewater Abatement summary
- Non-metered account listing
- Large water user billing report
- Meter read accuracy report
- Rate types and meter size
- Sewer Discharge Permit billing report
- Private Fire Line charges
- Summary of aging arrears and current account receivables
- Revenue report by rate class
- Trial balance for all account receivable transactions
- Adjustments by type

Energy & Water Reporting and Benchmarking ("EWRB") legislative regulations require property owners that have facilities greater than 100,000 square feet to report annual energy and water consumption and performance data to the Ontario Ministry of Energy. Alectra provides both electric and water consumption information to our customers for them to comply with the mandatory reporting for these large buildings. So far in 2023, Alectra provided EWRB information to approximately 474 large industrial and institutional customers and condominium corporations.

Community Engagement

Alectra has created a new Customer Assistance Programs (CAP) Team to support Low Income and Vulnerable Customers.

The CAP team recognises that some of our customers face the difficult choice between paying for rent, energy or even food. This is usually symptomatic of a systemic problem and challenges with financial resilience. Many customers may not meet the standard criteria to negotiate sustainable payment arrangements, so we look at alternate approaches to assist our customers.

If an Alectra customer can obtain support to ensure they pay their rent on time, it is likely to free up disposable income to go towards their energy expenses. The CAP team works with local social agencies to find solutions over and above LEAP funding where financial assistance is provided to support non-energy sustainability measures, such as rent assistance, childcare, financial literacy, dental benefits, food assistance or even a short-term emergency loan. Alectra recognises the ever increasing cost of living and are committed to lend a helping hand to our customers when they need it the most.

On June 14th, the CAP team participated in the YWCA Walk-a-Mile in Their Shoes event. Our team provided information on all our payment assistance programs available to our customers. As we move into 2024, Alectra is committed to continue to partner with our community to support our low income and vulnerable customers.