



**GENERAL ISSUES COMMITTEE  
(RATE BUDGET)  
REPORT 20-020**

9:30 a.m.

Monday, November 23, 2020

Due to COVID-19 and the Closure of City Hall, this meeting was held virtually.

**Present:** Mayor F. Eisenberger, Deputy Mayor A. VanderBeek (Chair)  
Councillors M. Wilson, J. Farr, N. Nann, S. Merulla, C. Collins,  
T. Jackson, E. Pauls, J.P. Danko, B. Clark, M. Pearson, B. Johnson,  
L. Ferguson, J. Partridge

**Absent:** Councillor T. Whitehead – Personal

**THE GENERAL ISSUES COMMITTEE PRESENTS REPORT 20-020, AND  
RESPECTFULLY RECOMMENDS:**

**1. Alectra Utilities Water, Wastewater and Storm 2020 Service Activity Report  
(FCS20072) (City Wide) (Item 6.1)**

That Report FCS20072, respecting the Alectra Utilities Water, Wastewater and Storm 2020 Service Activity Report, be received.

**2. 2021 Recommended Water, Wastewater and Stormwater Budget  
(FCS20073) (City Wide) (Item 6.2)**

(a) That the metered water consumption charges for average residential properties (meters up to 21mm in size) in the City of Hamilton be imposed at the following rates, effective January 1, 2021:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.85
10 +	1.70

- (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 \$1.70 per cubic metre, effective January 1, 2021;
- (c) That daily water fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2021:

Meter Size	Daily Water Rate
15 mm	\$0.38
16 mm	\$0.38
20 mm	\$0.38
21 mm	\$0.38
25 mm	\$0.95
38 mm	\$1.90
50 mm	\$3.04
75 mm	\$6.08
100 mm	\$9.50
150 mm	\$19.00
200 mm	\$30.40
250 mm	\$43.70
300 mm	\$64.60

- (d) That the wastewater / storm treatment charges for average residential properties (meters up to 21mm in size) in the City of Hamilton be imposed at the following rates, effective January 1, 2021:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.91
10 +	1.82

- (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 \$1.82 per cubic metre, effective January 1, 2021;

- (f) That daily wastewater /storm fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2021:

Meter Size	Daily Wastewater / Storm Rate
15 mm	\$0.42
16 mm	\$0.42
20 mm	\$0.42
21 mm	\$0.42
25 mm	\$1.05
38 mm	\$2.10
50 mm	\$3.36
75 mm	\$6.72
100 mm	\$10.50
150 mm	\$21.00
200 mm	\$33.60
250 mm	\$48.30
300 mm	\$71.40

- (g) That the residential non-metered annual water rate be imposed at the flat rate of \$620.50 per annum, effective January 1, 2021;
- (h) That the residential non-metered annual wastewater / storm rate be imposed at the flat rate of \$664.30 per annum, effective January 1, 2021;
- (i) That the residential combined non-metered annual water and wastewater / storm rate be imposed at the flat rate of \$1,284.80 per annum, effective January 1, 2021;
- (j) That the Private Fire Line rates be imposed at the following rates, effective January 1, 2021:

Connection Size		Monthly Rate
mm	inches	
25	1	\$3.73
38	1.5	\$8.58
50	2	\$14.92
75	3	\$33.57
100	4	\$59.68

150	6	\$134.28
200	8	\$238.72
250	10	\$238.72
300	12	\$238.72

- (k) That the 2021 Water, Wastewater and Storm Proposed User Fees and Charges be imposed, as per Appendix “A” to Report 20-020, effective January 1, 2021;
- (l) That the 2021 Water, Wastewater and Stormwater Rate Supported Operating Budget in the amount of \$245,554,888 be approved, as per Appendix “B” to Report 20-020;
- (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 2021-2030 Water, Wastewater and Stormwater Rate Supported Operating Budget forecast (Appendix “B” to Report 20-020) be approved, in principle;
- (n) That the 2021 Water, Wastewater and Stormwater Rate Supported Capital Budget and Financing Plan in the amount of \$299,911,000 be approved, as per Appendices “C”, “D”, “E” and “F” to Report 20-020;
- (o) That the 2021-2030 Water, Wastewater and Stormwater Rate Supported Capital Budget forecast and financing plan (Appendix “G” to Report 20-020) be approved, in principle;
- (p) That the City Solicitor be authorized and directed to prepare, for Council approval, all necessary by-laws respecting the 2021 water and wastewater / storm user fees, charges and rates set out in Recommendations (a) through (l) of Report FCS20073;
- (q) That the additional 14.0 Full Time Equivalent Rate Supported Staffing be approved, as per Appendix “H” to Report 20-020;
- (r) That the General Manager, Finance and Corporate Services, be authorized to and directed to negotiate and confirm the terms, 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 \$117,396,000 Canadian currency, as attached in Appendices “C”, “D” and “E” to Report FCS20073, which includes \$48,000,000 in Rate Supported

municipal debt and \$69,396,000 Rate Supported Development Charges municipal debt;

- (s) 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 subsections (s), (t) and (u) including, but not limited to, external legal counsel, fiscal agents and Infrastructure Ontario's Loan Program;
- (t) That the General Manager, Finance and Corporate Services, Mayor and City Clerk are each authorized and directed to enter into and / or execute, on behalf of the City of Hamilton, all agreements and necessary ancillary documents requiring their respective signatures, to secure the terms and issuance of the debenture issue(s) described in subsections (s), (t), (u) and (v), in a form satisfactory to the City Solicitor;
- (u) That the Mayor and City Clerk are authorized and directed to enter into and / or execute, on behalf of the City of Hamilton, all agreements and necessary ancillary documents not requiring any specific signing authority, to secure the terms and issuance of the debenture issue(s) described in subsections (s), (t), (u) and (v), in a form satisfactory to the City Solicitor and with content acceptable to the General Manager, Finance and Corporate Services; and,
- (v) That all necessary By-Law(s) be passed to authorize the debenture issue(s) negotiated, placed and secured in accordance with subsections (r), (s), (t) and (u).

**3. Stormwater Gap Evaluation (Item 8.1)**

WHEREAS, stormwater management is an essential service provided by the City of Hamilton that protects the property, livelihood, safety and health of residents, businesses, infrastructure and natural waterways in every part of the City;

WHEREAS, Climate Change mitigation requirements and current extreme weather events have punctuated the importance of a robust and functional stormwater management system throughout the City;

WHEREAS, there was a reorganization in 2019 that resulted in the Hamilton Water Division assuming responsibility for a number of Stormwater programs and projects;

WHEREAS, the existing assets managed by Hamilton Water include stormwater management facilities, municipal drains, watercourses, drainage easements,

pumping stations, sections of shoreline, combined sewer overflow (CSO) tanks and outfalls;

WHEREAS, Hamilton Water expects to assume operation of 25 additional stormwater management facilities in the next few years;

WHEREAS, there are known and unknown gaps in the existing stormwater programs, particularly with respect to maintaining a sustainable level of service; and,

WHEREAS, asset management data is essential to the long-term performance of City infrastructure and reliable, stable financial strategy;

THEREFORE, IT BE RESOLVED:

That Hamilton Water staff be directed to perform a comprehensive evaluation of all City stormwater programs to identify existing gaps, immediate needs, risks to the City; including risks from Climate Change and extreme weather, outline the levels of service that the City should strive to achieve, quantify funding requirements along with options for long term maintenance, second cycle replacements and financing alternatives and report back to Public Works Committee in the first quarter of 2021 with an information report.

**4. Removal of the Contaminated Soil at the Kenilworth Reservoir (Item 8.2)**

That staff be directed to remove the contaminated soil at the Kenilworth Reservoir and replace it with clean fill to an upset of \$6.5m, to be funded from the Water Reserve (108015), and report back to the General Issues Committee with an information report that includes timelines for the removal.

**FOR INFORMATION:**

**(a) APPROVAL OF AGENDA (Item 1)**

The Committee Clerk advised that there were no changes to the agenda.

The agenda for the November 23, 2020 General Issues Committee (Rate Budget) meeting was approved, as presented.

**(b) DECLARATIONS OF INTEREST (Item 2)**

There were no declarations of interest.

**(c) STAFF PRESENTATIONS (Item 8)**

**(i) Alectra Utilities Water, Wastewater and Storm 2020 Service Activity Report (FCS20072) (City Wide) (Item 6.1)**

Linás Medelis, Acting Vice President, Customer Service, from Alectra provided the presentation respecting Report FCS20072 - Alectra Utilities Water, Wastewater and Storm 2020 Service Activity Report.

The presentation, respecting Report FCS20072 - Alectra Utilities Water, Wastewater and Storm 2020 Service Activity Report, was received.

For disposition of this matter, please refer to Item 1.

**(ii) 2021 Recommended Water, Wastewater and Stormwater Budget (FCS20073) (City Wide) (Item 6.2)**

Andrew Grice, Director of Hamilton Water, provided the first portion of the presentation respecting Report FCS20073 - 2021 Recommended Water, Wastewater and Stormwater Budget.

Committee recessed for one half hour to 12:10 p.m.

Brian McMullen, Director of Financial Planning, Administration and Policy, provided the balance of the presentation respecting Report FCS20073 - 2021 Recommended Water, Wastewater and Stormwater Budget.

The presentation, respecting Report FCS20073 - 2021 Recommended Water, Wastewater and Stormwater Budget, was received.

For disposition of this matter, please refer to Item 2.

**(d) ADJOURNMENT (Item 14)**

There being no further business, the General Issues Committee adjourned at 2:18 p.m.

Respectfully submitted,

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Deputy Mayor Arlene VanderBeek  
Chair, General Issues Committee

Stephanie Paparella  
Legislative Coordinator,  
Office of the City Clerk



**CITY OF HAMILTON**  
**2021 WATER AND WASTEWATER/STORM FEES AND CHARGES**  
**Effective January 1, 2021**

**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/ Storm Rate
15 mm	\$ 0.38	\$ 0.42
16 mm	\$ 0.38	\$ 0.42
20 mm	\$ 0.38	\$ 0.42
21 mm	\$ 0.38	\$ 0.42
25 mm	\$ 0.95	\$ 1.05
38 mm	\$ 1.90	\$ 2.10
50 mm	\$ 3.04	\$ 3.36
75 mm	\$ 6.08	\$ 6.72
100 mm	\$ 9.50	\$ 10.50
150 mm	\$ 19.00	\$ 21.00
200 mm	\$ 30.40	\$ 33.60
250 mm	\$ 43.70	\$ 48.30
300 mm	\$ 64.60	\$ 71.40

**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	0.85	1.70
2	>10	1.70	1.70

**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	0.91	1.82
2	>10	1.82	1.82

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

Flat Rate Water Customers Annual Rate: \$620.50

Flat Rate Wastewater/Storm Customers Annual Rate: \$664.30

Combined Flat Rate Water & Wastewater/Storm Customers Annual Rate: \$1,284.80

## City of Hamilton - 2021 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	\$ 3.73
38	1.5	\$ 8.58
50	2	\$ 14.92
75	3	\$ 33.57
100	4	\$ 59.68
150	6	\$ 134.28
200	8	\$ 238.72
250	10	\$ 238.72
300	12	\$ 238.72

**2021 PROPOSED USER FEES AND CHARGES**

**PUBLIC WORKS  
HAMILTON WATER**

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

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	47220	1	<b>WATER DISTRIBUTION</b> <b>Water Meter Permit Fee</b> <i>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.</i>						
			1a)	16mm Displacement	\$359.70	\$359.70	n	\$359.70	0.0%	Current fee achieves full cost recovery
			1b)	20mm Displacement	\$404.60	\$404.60	n	\$404.60	0.0%	Current fee achieves full cost recovery
			1c)	21mm Displacement	\$404.60	\$404.60	n	\$404.60	0.0%	Current fee achieves full cost recovery
			1d)	25mm Displacement	\$559.40	\$559.40	n	\$559.40	0.0%	Current fee achieves full cost recovery
			1e)	38mm Displacement	\$905.08	\$905.08	n	\$905.08	0.0%	Current fee achieves full cost recovery
			1f)	50mm Displacement	\$1,218.80	\$1,218.80	n	\$1,218.80	0.0%	Current fee achieves full cost recovery
			1g)	50mm Compound with strainer	\$3,316.40	\$3,316.40	n	\$3,316.40	0.0%	Current fee achieves full cost recovery
			1h)	100mm Compound with strainer	\$5,304.84	\$5,304.84	n	\$5,304.84	0.0%	Current fee achieves full cost recovery
			1i)	150mm Compound with strainer	\$10,419.16	\$11,495.85	n	\$11,495.85	10.3%	To achieve full cost recovery
			1j)	150mm Fire Service Compound	\$14,215.97	\$14,215.97	n	\$14,215.97	0.0%	Current fee achieves full cost recovery
			1k)	200mm Fire Service Compound	\$19,450.06	\$19,450.06	n	\$19,450.06	0.0%	Current fee achieves full cost recovery
			1l)	250mm Fire Service Compound	\$25,297.11	\$25,297.11	n	\$25,297.11	0.0%	Current fee achieves full cost recovery
			1m)	Radio Remote Read Equipment Installation	\$214.63	\$217.59	n	\$217.59	1.4%	To achieve full cost recovery
R84-026	510220	45519	2	<b>Water Meter Removal Fee</b> <i>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. Does not include a turn water off fee, which is required and charged separately as per Section 14 of this schedule.</i>						
			2a)	16mm Displacement	\$127.54	\$116.19	y	\$131.29	2.9%	To achieve full cost recovery
			2b)	20mm Displacement	\$127.54	\$116.19	y	\$131.29	2.9%	To achieve full cost recovery
			2c)	21mm Displacement	\$127.54	\$116.19	y	\$131.29	2.9%	To achieve full cost recovery
			2d)	25mm Displacement	\$127.54	\$116.19	y	\$131.29	2.9%	To achieve full cost recovery
			2e)	38mm - 250mm Meters (cost depends on size, labour, and meter location)	Cost + 10% OH	Cost + 10% OH	y	Cost + 10% OH	N/A	
R84-026	510220	45519	3	<b>Water Meter Inspection Services</b> <i>Note: Cost for customer requested service relating to meter investigation</i>						
			3a)	Regular Hours Inspection	\$130.92	\$119.44	y	\$134.97	3.1%	To achieve full cost recovery
			3b)	After Hours Inspection	\$171.45	\$156.77	y	\$177.15	3.3%	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 (805) 346-4428 between 8:30am - 4:30pm\*\**

2021 PROPOSED USER FEES AND CHARGES

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For Billing  
Purposes: M - F: 7:00am - 4:30pm  
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Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	45608	4	<b>Replacement Cost for Lost Meter</b> Note: Cost to replace a meter that has been lost, stolen or damaged. Includes meter, installation and administrative costs.						
			4a)	15mm Displacement	\$250.58	\$284.45	y	\$321.43	28.3%	To achieve full cost recovery
			4b)	16mm Displacement	\$250.58	\$284.45	y	\$321.43	28.3%	To achieve full cost recovery
			4c)	20mm Displacement	\$386.73	\$342.24	y	\$386.73	0.0%	Current fee achieves full cost recovery
			4d)	21mm Displacement	\$386.73	\$342.24	y	\$386.73	0.0%	Current fee achieves full cost recovery
			4e)	25mm Displacement	\$445.19	\$407.74	y	\$460.75	3.5%	To achieve full cost recovery
			4f)	38mm Displacement	\$1,223.36	\$1,082.62	y	\$1,223.36	0.0%	Current fee achieves full cost recovery
			4g)	50mm Turbine	\$1,465.95	\$1,401.13	y	\$1,583.28	8.0%	To achieve full cost recovery
			4h)	50mm Displacement	\$1,804.05	\$1,596.50	y	\$1,804.05	0.0%	Current fee achieves full cost recovery
			4i)	50mm Compound	\$2,338.65	\$2,069.60	y	\$2,338.65	0.0%	Current fee achieves full cost recovery
			4j)	100mm Turbine	\$3,688.50	\$7,212.18	y	\$8,149.76	121.0%	To achieve full cost recovery
			4k)	100mm Compound	\$5,959.20	\$5,273.63	y	\$5,959.20	0.0%	Current fee achieves full cost recovery
			4l)	100mm Fire Service Turbine	\$8,149.76	\$8,855.57	y	\$10,006.79	22.8%	To achieve full cost recovery
			4m)	100mm Fire Service Compound	\$10,006.80	\$10,555.28	y	\$11,927.47	19.2%	To achieve full cost recovery
			4n)	100mm Magnetic Flow Meter	\$11,136.43	\$9,855.25	y	\$11,136.43	0.0%	Current fee achieves full cost recovery
			4o)	100mm Fire Rated Magnetic Flow Meter	\$11,627.81	\$10,290.10	y	\$11,627.81	0.0%	Current fee achieves full cost recovery
			4p)	150mm Turbine	\$6,787.25	\$6,970.78	y	\$7,876.98	16.1%	To achieve full cost recovery
			4q)	150mm Compound	\$10,328.00	\$9,525.73	y	\$10,764.07	4.2%	To achieve full cost recovery
			4r)	150mm Fire Service Turbine	\$12,394.87	\$10,968.91	y	\$12,394.87	0.0%	Current fee achieves full cost recovery
			4s)	150mm Fire Service Compound	\$15,762.63	\$13,949.23	y	\$15,762.63	0.0%	Current fee achieves full cost recovery
			4t)	150mm Magnetic Flow Meter	\$12,337.41	\$11,006.20	y	\$12,437.01	0.8%	To achieve full cost recovery
			4u)	150mm Fire Rated Magnetic Flow Meter	\$13,753.00	\$12,170.80	y	\$13,753.00	0.0%	Current fee achieves full cost recovery
			4v)	200mm Turbine	\$7,424.88	\$7,150.30	y	\$8,079.84	8.8%	To achieve full cost recovery
			4w)	200mm Compound	\$11,551.00	\$10,812.26	y	\$12,217.85	5.8%	To achieve full cost recovery
			4x)	200mm Fire Service Turbine	\$16,333.56	\$14,454.48	y	\$16,333.56	0.0%	Current fee achieves full cost recovery
			4y)	200mm Fire Service Compound	\$21,996.69	\$19,466.10	y	\$21,996.69	0.0%	Current fee achieves full cost recovery
			4z)	200mm Magnetic Flow Meter	\$14,890.54	\$13,177.47	y	\$14,890.54	0.0%	Current fee achieves full cost recovery
			4aa)	200mm Fire Rated Magnetic Flow Meter	\$16,266.37	\$14,395.02	y	\$16,266.37	0.0%	Current fee achieves full cost recovery
			4ab)	250mm Turbine	\$12,909.20	\$12,946.04	y	\$14,629.03	13.3%	To achieve full cost recovery
			4ac)	250mm Magnetic Flow Meter	\$15,070.41	\$13,969.71	y	\$15,785.77	4.7%	To achieve full cost recovery
			4ad)	250mm Fire Rated Magnetic Flow Meter	\$18,334.25	\$16,225.00	y	\$18,334.25	0.0%	Current fee achieves full cost recovery
			4ae)	250mm Fire Service Turbine	\$20,588.32	\$21,296.60	y	\$24,065.16	16.9%	To achieve full cost recovery
			4af)	250mm Fire Service Compound	\$29,046.50	\$25,704.87	y	\$29,046.50	0.0%	Current fee achieves full cost recovery
			4ag)	50mm Strainer	\$473.64	\$454.61	y	\$513.71	8.5%	To achieve full cost recovery
			4ah)	100mm Strainer	\$876.50	\$910.34	y	\$1,028.68	17.4%	To achieve full cost recovery
			4ai)	150mm Strainer	\$1,401.98	\$1,447.69	y	\$1,635.89	16.7%	To achieve full cost recovery
			4aj)	200mm Strainer	\$2,381.81	\$2,107.80	y	\$2,381.81	0.0%	Current fee achieves full cost recovery
			4ak)	250mm Strainer	\$3,993.11	\$3,533.73	y	\$3,993.11	0.0%	Current fee achieves full cost recovery
R84-026	510220	45690	5	<b>Bench Testing Water Meters</b> 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	\$355.45	\$314.56	y	\$355.45	0.0%	Current fee achieves full cost recovery
			5b)	16-25mm Diameter - Test where meter has been removed from service within prior 90 days	\$147.34	\$195.79	y	\$221.24	50.2%	To achieve full cost recovery
			5c)	20 mm Diameter	\$410.04	\$364.89	y	\$412.33	0.6%	To achieve full cost recovery
			5d)	25 mm Diameter	\$468.50	\$443.85	y	\$501.55	7.1%	To achieve full cost recovery
			5e)	38 mm Diameter	\$1,033.02	\$914.18	y	\$1,033.02	0.0%	Current fee achieves full cost recovery
			5f)	50 mm Diameter	\$1,742.55	\$1,542.08	y	\$1,742.55	0.0%	Current fee achieves full cost recovery
			5g)	100 mm plus diameter (In Situ testing)	\$1,051.37	\$930.42	y	\$1,051.37	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) 548-4426 between 8:30am - 4:30pm\*\*

**2021 PROPOSED USER FEES AND CHARGES**

**PUBLIC WORKS  
HAMILTON WATER**

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

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 Including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
10-103	510220	45644	6	<b>Backflow Prevention Program</b> Note: Costs for contractor registration fee, administration fees for processing backflow prevention test reports and survey forms.						
			6a)	Annual Program Registration Fee	\$152.51	\$139.88	y	\$158.06	3.6%	To achieve full cost recovery
			6b)	Test Report receipt and processing (per submission of each test report)	\$72.61	\$64.26	y	\$72.61	0.0%	Current fee achieves full cost recovery
			6c)	Cross Connection Survey Form processing (per form upon submission)	\$181.12	\$166.24	y	\$187.85	3.7%	To achieve full cost recovery
			6d)	Backflow Prevention Device Investigation - Regular Hours	\$160.60	\$145.95	y	\$164.92	2.7%	To achieve full cost recovery
			6e)	Backflow Prevention Device Investigation - After Hours	\$233.80	\$206.90	y	\$233.80	0.0%	Current fee achieves full cost recovery
R84-026	514330	45590	7	<b>Construction Water</b> 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)	\$100.00	\$103.70	n	\$103.70	3.7%	Equal to variable water rate increase
			7b)	Multi-residential (per apartment/condo unit)	\$46.75	N/A	n			Fee no longer applied as of May 2020
			7c)	Industrial/Commercial/Institutional (\$/1,000 sqft of building area or \$/ha where no structure is constructed)	\$32.80	N/A	n			Fee no longer applied as of May 2020
			8	<b>Hydrant/Road Adaptor Fees</b> 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)	\$2.45	\$2.55	n	\$2.55	4.1%	Rate is 1.5x volumetric water rate
R84-026	514330	41209	8b)	Hydrant/Road Adaptor Connection/Disconnection Fee (Regular Hours-Fee for Both Services)	\$146.94	\$151.14	n	\$151.14	2.9%	To achieve full cost recovery
R84-026	514330	41209	8c)	Hydrant/Road Adaptor Connection/Disconnection Fee (After Hours/Emergency-Fee for Both S	\$276.71	\$285.53	n	\$285.53	3.2%	To achieve full cost recovery
R84-026	514330	41209	8d)	Non-Refundable Usage Deposit	\$300.00	\$300.00	n	\$300.00	0.0%	Deposit rounded to the nearest \$100
R84-026	514330	41209	8e)	Security/Damage Deposit	\$6,000.00	\$6,000.00	n	\$6,000.00	0.0%	Deposit rounded to the nearest \$100
R84-026	514330	41209	8f)	Hydrant/road adaptor rental fee for initial 7 days	\$82.56	\$82.56	n	\$82.56	0.0%	To achieve full cost recovery
R84-026	514330	41209	8g)	Per Diem hydrant/road adaptor rental fee after initial 7 days	\$6.13	\$6.13	n	\$6.13	0.0%	To achieve full cost recovery
R84-026	514330	47244	9	<b>Private Water Station Agreement Fees</b> Annual Renewal	\$386.22	\$408.16	n	\$408.16	5.7%	To achieve full cost recovery
R84-026	514330	47232	10	<b>Water Haulage Fees</b>						
			10a)	Annual Water Haulage Permit Fee Note: Annual license fee to utilize the City's public filling stations.	\$64.91	\$57.82	y	\$65.34	0.7%	No cards issued, Online Registration
			10b)	Account review Note: Costs charged for administrative services to provide customer account information for personal or taxation purposes.	\$99.34	\$87.91	y	\$99.34	0.0%	Current fee achieves full cost recovery
R84-026	510220	45519	11	<b>General Administration Fees</b>						
			11a)	General Administrative Requests (per hour)/Report Requests	\$78.15	\$69.76	y	\$78.83	0.9%	To achieve full cost recovery
			11b)	Permit Cancellation administrative fee	\$46.49	\$41.29	y	\$46.66	0.4%	To achieve full cost recovery
			11c)	Permit Renewal Fee	\$46.49	\$41.29	y	\$46.66	0.4%	To achieve full cost recovery
			11d)	Lead Line Replacement Loan Application Fee	\$58.31	\$51.92	y	\$58.67	0.6%	To achieve full cost recovery
			11e)	Monthly AMI Manual Meter Read Fee	\$3.39	\$3.00	y	\$3.39	0.0%	Current fee achieves full cost recovery
			11f)	Water Shut-off Admin Fee	\$22.60	\$22.60	y	\$25.54	13.0%	To achieve full cost recovery
			11g)	Water Shut-off Notice on Door	\$31.92	\$31.92	y	\$36.07	13.0%	To achieve full cost recovery
			11h)	AMI Consumption History Fee	N/A	\$12.79	y	\$14.45		New Fee
			11i)	NSF Fee - Processing fee on all 'returned' payments	\$39.89	\$36.10	y	\$40.79	2.3%	To achieve full cost recovery

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2021 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS  
HAMILTON WATER

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

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026			12	<b>Water Inspection Services</b> 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	\$105.60	\$95.80	y	\$108.25	2.5%	To achieve full cost recovery
	514330	47235	12b)	Private Water Service Repair/Replacement Inspection (After Hours /Emerg - Max 1 Hour	\$178.95	\$163.01	y	\$184.20	2.9%	To achieve full cost recovery
	514330	45690	12c)	Water Service Abandonment Inspection (Regular Hours - Max 1 Hour Total Labour)	\$94.32	\$85.57	y	\$96.69	2.5%	To achieve full cost recovery
	514330	45690	12d)	Water Service Abandonment Inspection (After Hours / Emergency - Max 1 Hour Total	\$167.65	\$152.77	y	\$172.63	3.0%	To achieve full cost recovery
	514330	45690	12e)	Water Service Inspection for Demolition (Regular Hours - Max 1 Hour Total Labour)	\$94.32	\$85.57	y	\$96.69	2.5%	To achieve full cost recovery
	514330	45690	12f)	Water Service Inspection for Demolition (After Hours / Emergency - Max 1 Hour Total	\$167.65	\$152.77	y	\$172.63	3.0%	To achieve full cost recovery
	514330	45690	12g)	Missed or Cancelled Inspection	\$68.53	\$61.82	y	\$69.86	1.9%	To achieve full cost recovery
R84-026	514330	45690	13	<b>Upsize Public Portion Water Service from 20mm to 25mm</b> Note: Charge for upsizing a public portion water service from 20mm to 25mm, when a public portion water service replacement is already being completed by the City.	\$155.00	\$156.55	n	\$156.55	1.0%	To achieve full cost recovery
R84-026	514330	45679	14	<b>Turning Water Off or On</b> 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.						
			14a)	Turning Water On/Off (Regular Hours)	\$124.10	\$127.40	n	\$127.40	2.7%	To achieve full cost recovery
			14b)	Turning Water On/Off (After Hours/Emergency)	\$208.25	\$214.30	n	\$214.30	2.9%	To achieve full cost recovery
			14c)	Turning Water On/Off During the Same Visit (Regular Hours - Max 1/2 Hour Total Labour)	\$83.47	\$85.54	n	\$85.54	2.5%	To achieve full cost recovery
			14d)	Labour	\$114.13	\$117.12	n	\$117.12	2.6%	To achieve full cost recovery
			14e)	Non-compliance Turn Water Off	\$83.47	\$85.54	n	\$85.54	2.5%	To achieve full cost recovery
			14f)	Non-compliance Turn Water On	\$83.47	\$85.54	n	\$85.54	2.5%	To achieve full cost recovery
R84-026	514330	45636	15	<b>Hydrant Flow Test / Water Quality Flushing</b> Note: Cost to operate a City Fire Hydrant(s) for a maximum of 1 hour total labour.	\$120.11	\$109.31	y	\$123.52	2.8%	To achieve full cost recovery
R84-026	514330	45690	16	<b>Water Quality/Quantity Service Calls</b> 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 the corresponding service call rate.</u>						
			16a)	Service Call (Regular Hours - Max 1 Hour Total Labour)	\$94.32	\$85.57	y	\$96.69	2.5%	To achieve full cost recovery
			16b)	Service Call (After Hours - Max 1 Hour Total Labour)	\$167.65	\$149.93	y	\$169.42	1.1%	To achieve full cost recovery
R84-026	510290	45690	17	<b>Hydrant Repair, Replace or Relocate</b> 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	18	<b>Watermain Shutdowns</b> Note: Costs associated with isolating a watermain to facilitate third party work.						
			18a)	Watermain Shutdown / Recharge (Regular Hours-Maximum 1 Hour Total Labour)	\$129.11	\$133.06	n	\$133.06	3.1%	To achieve full cost recovery
			18b)	Watermain Shutdown / Recharge (After Hours / Emergency-Maximum 1 Hour Total Labour)	\$232.49	\$239.68	n	\$239.68	3.1%	To achieve full cost recovery
R84-026	510350	45408	19	<b>Environmental Records Search PRISM Reports related to soil contamination</b> Reports - Environmental Assessments and Master Plans - plus fee per page	\$180.58 \$17.75 \$0.12	\$163.00 \$16.02 \$0.10	y y y	\$184.19 \$18.11 \$0.12	2.0% 2.0% 2.0%	To achieve full cost recovery To achieve full cost recovery To achieve full cost recovery
R84-026	514330	45690	20	<b>Miscellaneous Water Distribution System Repair</b> 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	21	<b>Additional Labour Charges</b> 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.						
			21a)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$25.80	\$23.76	y	\$26.85	4.1%	To achieve full cost recovery
			21b)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$38.70	\$35.62	y	\$40.25	4.0%	To achieve full cost recovery
			21c)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$22.82	\$23.74	n	\$23.74	4.0%	To achieve full cost recovery
			21d)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$34.23	\$35.62	n	\$35.62	4.1%	To achieve full cost recovery

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**2021 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	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				<b>COLLECTION SYSTEM INSPECTION &amp; MAINTENANCE</b>						
06-026			<b>1</b>	<b>Wastewater Inspection Services</b> <b>Note:</b> 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)	\$109.25	\$99.15	y	\$112.04	2.6%	To achieve full cost recovery
	516175	47230	1b)	Private Sewer Lateral Repair/Replacement Inspection (After Hours / Emergency - Maximum 1 Hour Total Labour)	\$232.10	\$212.33	y	\$239.93	3.4%	To achieve full cost recovery
	516175	45690	1c)	Missed or Cancelled Inspection	\$78.54	\$70.86	y	\$80.07	2.0%	To achieve full cost recovery
	516175	45690	1d)	Mainline Sewer Inspection <b>Note:</b> 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	<b>2</b>	<b>Sewer Related Service Calls</b> <b>Note:</b> 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. <u>Missed appointments will be billed the corresponding service call.</u>						
			2a)	Service Call (Regular Hours - Maximum 1 Hour Total Labour)	\$97.30	\$88.15	y	\$99.61	2.4%	To achieve full cost recovery
			2b)	Service Call (After Hours - Maximum 1 Hour Total Labour)	\$196.28	\$179.33	y	\$202.64	3.2%	To achieve full cost recovery
06-026	516175	45690	<b>3</b>	<b>Sewer Lateral Cleaning and Investigation Fees</b> <b>Note:</b> 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	\$458.68	\$414.03	y	\$467.86	2.0%	To achieve full cost recovery
			3b)	Complete Sewer Lateral Investigation - After Hours	\$506.65	\$457.33	y	\$516.78	2.0%	To achieve full cost recovery
			3c)	Partial Sewer Lateral Cleaning - Regular Hours	\$149.89	\$135.30	y	\$152.89	2.0%	To achieve full cost recovery
			3d)	Partial Sewer Lateral Cleaning - After Hours	\$209.85	\$189.43	y	\$214.05	2.0%	To achieve full cost recovery
			3e)	Abandoned Sewer Lateral Investigation - Regular Hours	\$239.83	\$216.49	y	\$244.63	2.0%	To achieve full cost recovery
			3f)	Abandoned Sewer Lateral Investigation - After Hours	\$299.79	\$270.61	y	\$305.79	2.0%	To achieve full cost recovery
06-026	516175	45690	<b>4</b>	<b>Miscellaneous Wastewater Collection System Repair</b> <b>Note:</b> 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	<b>5</b>	<b>Additional Labour Charges</b> <b>Note:</b> 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	\$24.75	\$22.79	y	\$25.75	4.1%	To achieve full cost recovery
			5b)	1/2 Hour Additional Labour (After Hours) - Wastewater Collection	\$37.10	\$34.20	y	\$38.65	4.2%	To achieve full cost recovery

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## 2021 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS  
HAMILTON WATER

Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
			<b>LABORATORY SERVICES</b>						
510250	45519		<u>Inorganic Tests:</u>						
		1	<b>Solids</b>						
		1a)	Total Suspended Solids (TSS)	\$24.52	\$21.70	y	\$24.52	0.0%	Current fee achieves full cost recovery
		1b)	TSS plus Volatile Suspended Solids (VSS)	\$24.52	\$21.70	y	\$24.52	0.0%	Current fee achieves full cost recovery
		1c)	Total Solids (TS)	\$21.58	\$19.10	y	\$21.58	0.0%	Current fee achieves full cost recovery
		1d)	TS plus Volatile Solids (VS)	\$22.71	\$20.10	y	\$22.71	0.0%	Current fee achieves full cost recovery
		1e)	Total Dissolved Solids	\$36.16	\$32.00	y	\$36.16	0.0%	Current fee achieves full cost recovery
		2	<b>Skalar</b>						
		2a)	Total Cyanide	\$38.87	\$36.90	y	\$41.70	7.3%	To achieve full cost recovery
		2b)	Phenolics	\$35.93	\$33.00	y	\$37.29	3.8%	To achieve full cost recovery
		2c)	Total Kjeldhal Nitrogen (TKN)	\$35.48	\$31.40	y	\$35.48	0.0%	Current fee achieves full cost recovery
		2d)	Ammonia	\$39.10	\$34.60	y	\$39.10	0.0%	Current fee achieves full cost recovery
		2e)	Dissolved Organic Carbon	\$38.76	\$37.00	y	\$41.81	7.9%	To achieve full cost recovery
		2f)	Total Organic Carbon	\$38.76	\$37.00	y	\$41.81	7.9%	To achieve full cost recovery
		2g)	Reactive Silica	\$32.54	\$30.00	y	\$33.90	4.2%	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	\$18.65	\$16.50	y	\$18.65	0.0%	Current fee achieves full cost recovery
		4b)	Alkalinity	\$18.53	\$16.40	y	\$18.53	0.0%	Current fee achieves full cost recovery
		4c)	Conductivity	\$18.53	\$16.40	y	\$18.53	0.0%	Current fee achieves full cost recovery
		4d)	Fluoride	\$28.02	\$24.80	y	\$28.02	0.0%	Current fee achieves full cost recovery
		5	Turbidity	\$27.91	\$26.40	y	\$29.83	6.9%	To achieve full cost recovery
		6	UV Transmittance	\$28.59	\$25.30	y	\$28.59	0.0%	Current fee achieves full cost recovery
		7	Color Apparent	\$25.88	\$22.90	y	\$25.88	0.0%	Current fee achieves full cost recovery
		8	Color True	\$25.88	\$22.90	y	\$25.88	0.0%	Current fee achieves full cost recovery
		9	O Phosphate	\$30.17	\$26.70	y	\$30.17	0.0%	Current fee achieves full cost recovery
		10	Chemical Oxygen Demand (COD)	\$42.83	\$37.90	y	\$42.83	0.0%	Current fee achieves full cost recovery
		11	Biochemical Oxygen Demand (BOD)	\$42.60	\$37.70	y	\$42.60	0.0%	Current fee achieves full cost recovery
		12	Volatile Acid	\$42.15	\$37.30	y	\$42.15	0.0%	Current fee achieves full cost recovery
			<u>Microbiology Tests:</u>						
510250	45519	13	Total Coliform/E coli - Presence/Absence	\$29.04	\$26.30	y	\$29.72	2.3%	To achieve full cost recovery
510250	45519	14	Total Coliform/E coli - MPN	\$28.00	\$28.70	y	\$32.43	2.5%	To achieve full cost recovery
510250	45519	15	EC - MPN	\$32.32	\$28.70	y	\$32.43	0.3%	To achieve full cost recovery
510250	45519	16	Heterotrophic Plate Count	\$30.17	\$26.90	y	\$30.40	0.7%	To achieve full cost recovery
510250	45519	17	Micro Examination	\$155.15	\$143.90	y	\$162.61	4.8%	To achieve full cost recovery
510250	45519	18	Microcystin	\$581.95	\$515.00	y	\$581.95	0.0%	Current fee achieves full cost recovery
			<u>Metals:</u>						
510250	45519	18	ICP OES						
		18a)	ICP OES Scan (Wastewater)	\$65.77	\$60.30	y	\$68.14	3.6%	To achieve full cost recovery
		18b)	Total Phosphorous	\$31.30	\$27.70	y	\$31.30	0.0%	Current fee achieves full cost recovery
		18c)	Total Dissolved Phosphorous	\$31.30	\$27.70	y	\$31.30	0.0%	Current fee achieves full cost recovery
510250	45519	19	ICP MS						
		19a)	ICP MS Scan	\$65.77	\$60.30	y	\$68.14	3.6%	To achieve full cost recovery
510250	45519	20	AA						
		20a)	Mercury	\$51.64	\$45.70	y	\$51.64	0.0%	Current fee achieves full cost recovery
510250	45519	21	Organics						
		21a)	Caffeine	\$140.80	\$130.90	y	\$147.92	5.1%	To achieve full cost recovery
510250	45519	22	Additional Fees						
		22a)	Weekend surcharge	\$113.00	\$100.00	y	\$113.00	0.0%	Current fee achieves full cost recovery

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**2021 PROPOSED USER FEES AND CHARGES**

**PUBLIC WORKS  
HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				<b>ENVIRONMENTAL MONITORING &amp; ENFORCEMENT</b> To Regulate the Discharge of any Matter into the Sanitary, Combined, and Storm Sewer Systems.						
14-090	516175	47232	1	<b>Annual Permit to Discharge Hauled Sewage</b> Note: Cost for administration and processing of annual permits required to haul sewage within Hamilton	\$329.00	\$329.00	n	\$329.00	0.0%	Current fee achieves full cost recovery
			2	<b>Discharge fees for Hauled Sewage generated:</b> <b>Inside the City - Compliant</b> 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	\$50.15	\$51.15	n	\$51.15	2.0%	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)	\$50.15	\$51.15	n	\$51.15	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	2c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$100.30	\$102.30	n	\$102.30	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	2d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$150.45	\$153.45	n	\$153.45	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	2e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$200.60	\$204.60	n	\$204.60	2.0%	Has to remain a multiple of \$51.15
			3	<b>Discharge fees for Hauled Sewage generated:</b> <b>Inside the City - Non-Compliant</b> 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	\$50.15	\$51.15	n	\$51.15	2.0%	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)	\$100.30	\$102.30	n	\$102.30	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	3c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$150.45	\$153.45	n	\$153.45	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	3d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$250.75	\$255.75	n	\$255.75	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	3e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$300.90	\$306.90	n	\$306.90	2.0%	Has to remain a multiple of \$51.15
14-090	516175	41314	4	<b>Holding Tanks for Recreational Vehicles</b> Note: Cost for Recreational Vehicles (RV's) to dump sewer waste at the Mountain Transfer Station	\$8.50	\$8.50	n	\$8.50	0.0%	Current fee achieves full cost recovery
			5	<b>Overstrength Discharge Fees</b> 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)	\$0.78	\$0.80	n	\$0.80	1.5%	To achieve full cost recovery
14-090	516080	41315	5b)	Total suspended solids (charge per kg)	\$0.63	\$0.64	n	\$0.64	2.5%	To achieve full cost recovery
14-090	516080	41315	5c)	Oil & grease (animal/vegetable) (charge per kg)	\$0.44	\$0.45	n	\$0.45	2.3%	Decrease reflecting rate review
14-090	516080	41315	5d)	Total Kjeldahl Nitrogen (charge per kg)	\$1.00	\$1.02	n	\$1.02	2.0%	Decrease reflecting rate review
14-090	516080	41315	5e)	Total Phosphorus (charge per kg)	\$1.78	\$1.89	n	\$1.89	6.2%	To achieve full cost recovery
14-090	516080	41317	6	<b>Surcharge Discharge Fee (charge per m3)</b>	\$1.75	\$1.82	n	\$1.82	4.0%	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\*\*

**2021 PROPOSED USER FEES AND CHARGES**

**PUBLIC WORKS  
HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
			7	<b>Application Fees for Sewer Discharge Permits</b> <b>NOTE: Fee to be paid upon application for Sewer Discharge Permit</b>						
14-090	510260	45519	7a)	Application Fee	\$711.15	\$641.93	y	\$725.38	2.0%	Increase due to incorporating 7b) and 7c) fees into Application Fee Current fee achieves full cost recovery To achieve full cost recovery
14-090	510260	45519	7b)	Wastewater Characterization deposit (optional)	\$500.00	\$500.00	n	\$500.00	0.0%	
14-090	510260	45519	7c)	Amendment Fee (all permit types)	\$333.88	\$301.38	y	\$340.56	2.0%	
			8	<b>Administrative Fees for Sewer Discharge Permits</b> <b>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</b>						
14-090	510260	45532	8a)	Overstrength Discharge Permit (charged quarterly)	\$435.00	\$435.00	n	\$435.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45532	8b)	Sanitary Discharge Permit (charged quarterly)	\$435.00	\$435.00	n	\$435.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45532	8c)	Chloride Discharge Permit (charged quarterly)	\$435.00	\$435.00	n	\$435.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45532	8d)	Compliance Discharge Permit (charged quarterly)	\$1,071.00	\$1,071.00	n	\$1,071.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45532	8e)	Conditional Discharge Permit (charged quarterly)	\$1,071.00	\$1,071.00	n	\$1,071.00	0.0%	Current fee achieves full cost recovery
14-090	510260	45519	9	<b>Information Requests</b> <b>Note: Fee per property for records search related to Sewer Use By-law historical violations</b>	\$170.47	\$153.88	y	\$173.88	2.0%	To achieve full cost recovery
14-090	510260	45532	10	<b>Wastewater Sampling (optional)</b> <b>Note: Per unit costs to conduct wastewater sampling to determine permit conditions and limits</b>						
			10a)	Wastewater Sampling Vehicle Fee (per kilometer)	\$1.37	\$1.23	y	\$1.39	1.7%	To achieve full cost recovery
			10b)	Wastewater Sampling Equipment Fee (per day)	\$44.84	\$39.68	y	\$44.84	0.0%	Current fee achieves full cost recovery
			10c)	Wastewater Sampling Technician Fee (per hour) Mon - Fri	\$56.55	\$50.64	y	\$57.22	1.2%	To achieve full cost recovery
			10d)	Wastewater Sampling Technician Fee (per hour) Sat	\$84.82	\$75.96	y	\$85.83	1.2%	To achieve full cost recovery
			10e)	Wastewater Sampling Technician Fee (per hour) Sun	\$113.08	\$101.28	y	\$114.45	1.2%	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 \$1,071.00 per quarter).

\*Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead\*  
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**2020 PROPOSED USER FEES AND CHARGES**

**PUBLIC WORKS**  
**HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2020 including HST (if applicable)	2021 Proposed Fee	HST (y/n)	2021 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				<b>ENVIRONMENTAL MONITORING &amp; ENFORCEMENT Fees related to the Wastewater Abatement Program</b>						
03-272	510260	45532	1	Application Fee (plus cost recovery for peer review if required)	\$423.19	\$381.99	y	\$431.65	2.0%	To achieve full cost recovery
03-272	510260	45532	2	Annual Administration Fee	\$842.19	\$760.21	y	\$859.04	2.0%	To achieve full cost recovery

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

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CITY OF HAMILTON

2021 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET

**COMBINED WATER, WASTEWATER AND STORM**

	2020	2020	2021	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	REQUESTED BUDGET	2020 PROJECTED / 2020 RESTATED BUDGET	ACTUAL %	2021 REQUESTED / 2020 RESTATED BUDGET	%
	\$	\$	\$	\$	%	\$	%
<b><u>OPERATING EXPENDITURES:</u></b>							
Divisional Administration & Support	2,008,040	2,008,040	2,064,490	-	0.0%	56,450	2.8%
Woodward Upgrades	1,108,390	1,108,390	1,441,380	-	0.0%	332,990	30.0%
Customer Service	314,950	267,125	325,250	47,825	15.2%	10,300	3.3%
Outreach & Education	1,239,577	893,362	1,190,590	346,215	27.9%	(48,987)	(4.0%)
Service Co-ordination	3,576,310	3,150,045	3,718,250	426,266	11.9%	141,940	4.0%
Engineering Systems & Data Collection	1,352,480	1,417,350	1,329,480	(64,870)	(4.8%)	(23,000)	(1.7%)
Compliance & Regulations	976,984	976,985	1,008,204	(1)	(0.0%)	31,220	3.2%
Laboratory Services	3,660,204	3,430,977	3,565,050	229,227	6.3%	(95,154)	(2.6%)
Environmental Monitoring & Enforcement	1,892,256	1,892,255	2,213,910	1	0.0%	321,654	17.0%
Water Distribution & Wastewater Collection	20,187,445	23,556,555	22,972,467	(3,369,110)	(16.7%)	2,785,022	13.8%
Plant Operations	24,862,850	23,328,362	26,688,044	1,534,488	6.2%	1,825,194	7.3%
Plant Maintenance	10,669,800	10,318,970	11,527,685	350,830	3.3%	857,885	8.0%
Capital Delivery	1,595,010	1,595,010	1,938,301	-	0.0%	343,291	21.5%
Sustainable Initiatives	1,431,090	1,431,094	1,083,931	(4)	(0.0%)	(347,159)	(24.3%)
Infrastructure Planning & System Design	1,877,476	1,877,475	2,286,976	1	0.0%	409,500	21.8%
Wastewater Abatement Program	1,150,040	1,150,040	1,192,450	-	0.0%	42,410	3.7%
Alectra Utilities Service Contract	5,600,000	5,600,000	5,712,000	-	0.0%	112,000	2.0%
Corporate & Departmental Support Services	6,977,580	6,977,580	7,018,270	-	0.0%	40,690	0.6%
Utilities Arrears Program	500,080	500,080	500,320	-	0.0%	240	0.0%
Sewer Lateral Management Program	300,000	202,250	300,000	97,751	32.6%	-	-
Hamilton Harbour Remedial Action Plan	382,550	382,550	370,964	-	0.0%	(11,586)	(3.0%)
Protective Plumbing Program (3P)	1,000,000	575,000	752,870	425,000	42.5%	(247,130)	(24.7%)
Financial Charges	86,020	86,020	86,020	-	0.0%	-	0.0%
	92,749,132	92,725,514	99,286,901	23,618	0.0%	6,537,769	7.0%
Capital and Reserve Recoveries	(6,029,550)	(6,029,550)	(8,635,161)	-	0.0%	(2,605,611)	43.2%
<b>Sub-Total</b>	<b>86,719,582</b>	<b>86,695,964</b>	<b>90,651,740</b>	<b>23,618</b>	<b>0.0%</b>	<b>3,932,158</b>	<b>4.5%</b>
<b><u>Capital and Reserve Impacts on Operating</u></b>							
<b><u>Contributions to Capital</u></b>							
Water Quality Initiatives	50,296,000	50,296,000	50,498,000	-	0.0%	202,000	0.4%
Wastewater	52,673,000	52,673,000	57,237,984	-	0.0%	4,564,984	8.7%
Stormwater	15,685,000	15,685,000	17,632,679	-	0.0%	1,947,679	12.4%
<b>Sub-Total Contributions to Capital</b>	<b>118,654,000</b>	<b>118,654,000</b>	<b>125,368,663</b>	<b>-</b>	<b>0.0%</b>	<b>6,714,663</b>	<b>5.7%</b>
<b><u>Contributions for DC Exemptions</u></b>							
Water Quality Initiatives	2,240,000	2,240,000	2,520,000	-	0.0%	280,000	12.5%
Wastewater	4,080,000	4,080,000	4,590,000	-	0.0%	510,000	12.5%
Stormwater	1,680,000	1,680,000	1,890,000	-	0.0%	210,000	12.5%
<b>Sub-Total Contributions for DC Exemptions</b>	<b>8,000,000</b>	<b>8,000,000</b>	<b>9,000,000</b>	<b>-</b>	<b>0.0%</b>	<b>1,000,000</b>	<b>12.5%</b>

CITY OF HAMILTON

2021 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET

**COMBINED WATER, WASTEWATER AND STORM**

	2020 RESTATED BUDGET	2020 PROJECTED ACTUAL	2021 REQUESTED BUDGET	CHANGE 2020 PROJECTED ACTUAL / 2020 RESTATED BUDGET	CHANGE 2021 REQUESTED / 2020 RESTATED BUDGET
	\$	\$	\$	%	\$ %
<b>OPERATING EXPENDITURES:</b>					
<b>Capital Debt Charges</b>					
Water Quality Initiatives	8,593,943	8,295,616	9,844,773	298,327	3.5%
Wastewater	11,514,374	7,379,737	12,534,242	4,134,637	35.9%
Stormwater	3,399,997	2,303,036	2,490,898	1,096,961	32.3%
DC Debt Charges Recoveries	(3,826,205)	(538,937)	(4,335,428)	(3,287,268)	85.9%
<b>Sub-Total Debt Charges</b>	<b>19,682,108</b>	<b>17,439,452</b>	<b>20,534,486</b>	<b>2,242,656</b>	<b>11.4%</b>
<b>Sub-Total Capital Financing</b>	<b>146,336,108</b>	<b>144,093,452</b>	<b>154,903,149</b>	<b>2,242,656</b>	<b>1.5%</b>
<b>Reserve Transfers</b>	<b>(43,888)</b>	<b>2,957,724</b>	<b>0</b>	<b>(3,001,612)</b>	<b>6839.2%</b>
<b>Sub-Total Capital and Reserve Impacts on Operating</b>	<b>146,292,220</b>	<b>147,051,176</b>	<b>154,903,149</b>	<b>(758,956)</b>	<b>(0.5%)</b>
<b>TOTAL EXPENDITURES</b>	<b>233,011,802</b>	<b>233,747,140</b>	<b>245,554,888</b>	<b>(735,338)</b>	<b>(0.3%)</b>
<b>REVENUES:</b>					
<b>Rate Revenue</b>					
Residential	102,226,242	105,226,242	107,653,756	3,000,000	2.9%
Industrial/Commercial/Institutional/Multi-res	112,557,622	109,557,622	118,417,217	(3,000,000)	(2.7%)
Haldimand	2,476,310	2,476,310	2,588,952	-	0.0%
Halton	259,590	259,590	269,837	-	0.0%
Raw Water	125,000	125,000	128,750	-	0.0%
Non-Metered	580,000	580,000	880,000	-	0.0%
Private Fire Lines	1,850,000	1,850,000	1,924,000	-	0.0%
Hauler / 3rd Party Sales	1,225,000	1,225,000	1,400,000	-	0.0%
Overstrength Agreements	2,892,902	3,210,510	3,210,510	317,608	11.0%
Sewer Surcharge Agreements	5,806,726	6,224,456	6,224,456	417,730	7.2%
<b>Sub-Total Utility Rates</b>	<b>229,999,392</b>	<b>230,734,730</b>	<b>242,697,478</b>	<b>735,338</b>	<b>0.3%</b>
<b>Non-Rate Revenue</b>					
Local Improvement Recoveries	275,850	275,850	275,850	-	0.0%
Permits / Leases / Agreements	1,365,050	1,365,050	1,065,050	-	0.0%
Investment Income	450,000	450,000	450,000	-	0.0%
General Fees and Recoveries	921,510	921,510	1,066,510	-	0.0%
<b>Sub-Total Non-Rate Revenue</b>	<b>3,012,410</b>	<b>3,012,410</b>	<b>2,857,410</b>	<b>-</b>	<b>0.0%</b>
<b>TOTAL REVENUES</b>	<b>233,011,802</b>	<b>233,747,140</b>	<b>245,554,888</b>	<b>735,338</b>	<b>0.3%</b>
<b>NET EXPENDITURES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.0%</b>

**CITY OF HAMILTON  
2021 - 2024 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET  
COMBINED WATER, WASTEWATER AND STORM**

	2020	2021	2022	2023	2024	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2021 REQUESTED / 2020 RESTATED BUDGET	%	2022 PROJECTED / 2021 REQUESTED BUDGET	%	2023 PROJECTED / 2022 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
<b>OPERATING EXPENDITURES:</b>											
Divisional Administration & Support	2,008,040	2,064,490	2,105,780	2,147,895	2,190,853	56,450	2.8%	41,290	2.0%	42,116	2.0%
Woodward Upgrades	1,108,390	1,441,380	1,470,207	1,499,611	1,529,603	332,990	30.0%	28,828	2.0%	29,404	2.0%
Customer Service	314,950	325,250	331,755	338,390	345,158	10,300	3.3%	6,505	2.0%	6,635	2.0%
Outreach & Education	1,239,577	1,190,590	1,214,402	1,238,690	1,263,464	(48,987)	(4.0%)	23,812	2.0%	24,288	2.0%
Service Co-ordination	3,576,310	3,718,250	3,792,615	3,868,467	3,945,836	141,940	4.0%	74,365	2.0%	75,852	2.0%
Engineering Systems & Data Collection	1,352,480	1,329,480	1,356,070	1,383,191	1,410,855	(23,000)	(1.7%)	26,590	2.0%	27,121	2.0%
Compliance & Regulations	976,984	1,008,204	1,028,368	1,048,935	1,069,914	31,220	3.2%	20,164	2.0%	20,567	2.0%
Laboratory Services	3,660,204	3,565,050	3,636,351	3,709,078	3,783,260	(95,154)	(2.6%)	71,301	2.0%	72,727	2.0%
Environmental Monitoring & Enforcement	1,892,256	2,213,910	2,258,188	2,303,352	2,349,419	321,654	17.0%	44,278	2.0%	45,164	2.0%
Water Distribution & Wastewater Collection	20,187,445	22,972,467	23,431,916	23,900,554	24,378,566	2,785,022	13.8%	459,449	2.0%	468,638	2.0%
Plant Operations	24,862,850	26,688,044	27,221,805	27,766,241	28,321,566	1,825,194	7.3%	533,761	2.0%	544,436	2.0%
Plant Maintenance	10,669,800	11,527,685	11,758,239	11,993,403	12,233,271	857,885	8.0%	230,554	2.0%	235,165	2.0%
Capital Delivery	1,595,010	1,938,301	1,977,067	2,016,608	2,056,940	343,291	21.5%	38,766	2.0%	39,541	2.0%
Sustainable Initiatives	1,431,090	1,083,931	1,105,610	1,127,722	1,150,276	(347,159)	(24.3%)	21,679	2.0%	22,112	2.0%
Infrastructure Planning & System Design	1,877,476	2,286,976	2,332,716	2,379,370	2,426,957	409,500	21.8%	45,740	2.0%	46,654	2.0%
Wastewater Abatement Program	1,150,040	1,192,450	1,216,299	1,240,625	1,265,437	42,410	3.7%	23,849	2.0%	24,326	2.0%
Alectra Utilities Service Contract	5,600,000	5,712,000	5,826,240	5,942,765	6,050,000	112,000	2.0%	114,240	2.0%	116,525	2.0%
Corporate & Departmental Support Services	6,977,580	7,018,270	7,158,635	7,301,808	7,447,844	40,690	0.6%	140,365	2.0%	143,173	2.0%
Utilities Arrears Program	500,080	500,320	510,326	520,533	530,944	240	0.0%	10,006	2.0%	10,207	2.0%
Sewer Lateral Management Program	300,000	300,000	306,000	312,120	318,362	-	0.0%	6,000	2.0%	6,120	2.0%
Hamilton Harbour Remedial Action Plan	382,550	370,964	378,383	385,951	393,670	(11,586)	(3.0%)	7,419	2.0%	7,568	2.0%
Protective Plumbing Program (3P)	1,000,000	752,870	767,927	783,286	798,952	(247,130)	(24.7%)	15,057	2.0%	15,359	2.0%
Financial Charges	86,020	86,020	87,740	89,495	91,285	-	0.0%	1,720	2.0%	1,755	2.0%
	92,749,132	99,286,901	101,272,639	103,298,091	105,352,433	6,537,769	7.0%	1,985,738	2.0%	2,025,453	2.0%
Capital and Reserve Recoveries	(6,029,550)	(8,635,161)	(8,807,864)	(8,984,021)	(9,163,702)	(2,605,611)	43.2%	(172,703)	2.0%	(176,157)	2.0%
<b>Sub-Total</b>	<b>86,719,582</b>	<b>90,651,740</b>	<b>92,464,774</b>	<b>94,314,070</b>	<b>96,188,731</b>	<b>3,932,158</b>	<b>4.5%</b>	<b>1,813,035</b>	<b>2.0%</b>	<b>1,849,295</b>	<b>2.0%</b>
<b>Capital and Reserve Impacts on Operating</b>											
<b>Contributions to Capital</b>											
Water Quality Initiatives	50,296,000	50,498,000	62,233,865	67,894,186	68,135,842	202,000	0.4%	11,735,865	23.2%	5,660,321	9.1%
Wastewater	52,673,000	57,237,984	46,724,000	42,673,000	43,978,000	4,564,984	8.7%	(10,513,984)	(18.4%)	(4,051,000)	(8.7%)
Stormwater	15,685,000	17,632,679	19,084,321	23,175,000	29,390,000	1,947,679	12.4%	1,451,642	8.2%	4,090,679	21.4%
<b>Sub-Total Contributions to Capital</b>	<b>118,654,000</b>	<b>125,368,663</b>	<b>128,042,186</b>	<b>133,742,186</b>	<b>141,503,842</b>	<b>6,714,663</b>	<b>5.7%</b>	<b>2,673,523</b>	<b>2.1%</b>	<b>5,700,000</b>	<b>4.5%</b>
<b>Contributions for DC Exemptions</b>											
Water Quality Initiatives	2,240,000	2,520,000	2,520,000	2,520,000	2,520,000	280,000	12.5%	-	0.0%	-	0.0%
Wastewater	4,080,000	4,590,000	4,590,000	4,590,000	4,590,000	510,000	12.5%	-	0.0%	-	0.0%
Stormwater	1,680,000	1,890,000	1,890,000	1,890,000	1,890,000	210,000	12.5%	-	0.0%	-	0.0%
<b>Sub-Total Contributions for DC Exemptions</b>	<b>8,000,000</b>	<b>9,000,000</b>	<b>9,000,000</b>	<b>9,000,000</b>	<b>9,000,000</b>	<b>1,000,000</b>	<b>12.5%</b>	<b>-</b>	<b>0.0%</b>	<b>-</b>	<b>0.0%</b>
<b>Debt Charges</b>											
Water Quality Initiatives	8,593,943	9,844,773	15,213,851	20,743,578	25,478,475	1,250,830	14.6%	5,369,078	54.5%	5,529,728	36.3%
Wastewater	11,514,374	12,534,242	20,704,348	26,710,639	30,660,697	1,019,868	8.9%	8,170,105	65.2%	6,006,292	29.0%
Stormwater	3,399,997	2,490,898	3,185,448	4,157,207	5,127,892	(909,099)	(26.7%)	694,550	27.9%	971,759	30.5%
DC Debt Charges Recoveries	(3,826,205)	(4,335,428)	(12,147,411)	(20,194,201)	(26,916,293)	(509,222)	13.3%	(7,811,983)	180.2%	(8,046,790)	66.2%
<b>Sub-Total Debt Charges</b>	<b>19,682,108</b>	<b>20,534,486</b>	<b>26,956,235</b>	<b>31,417,224</b>	<b>34,350,771</b>	<b>852,377</b>	<b>4.3%</b>	<b>6,421,749</b>	<b>31.3%</b>	<b>4,460,989</b>	<b>16.5%</b>
<b>Sub-Total Capital Financing</b>	<b>146,336,108</b>	<b>154,903,149</b>	<b>163,998,421</b>	<b>174,159,410</b>	<b>184,854,613</b>	<b>8,567,040</b>	<b>5.9%</b>	<b>9,095,272</b>	<b>5.9%</b>	<b>10,160,989</b>	<b>6.2%</b>
Reserve Transfers	(43,888)	0	0	0	0	43,889	(100.0%)	(0)	(68.3%)	0	359.1%
<b>Sub-Total Capital and Reserve Impacts on Operating</b>	<b>146,292,220</b>	<b>154,903,149</b>	<b>163,998,421</b>	<b>174,159,410</b>	<b>184,854,613</b>	<b>8,610,929</b>	<b>5.9%</b>	<b>9,095,272</b>	<b>5.9%</b>	<b>10,160,989</b>	<b>6.2%</b>
<b>TOTAL EXPENDITURES</b>	<b>233,011,802</b>	<b>245,554,888</b>	<b>256,463,196</b>	<b>268,473,480</b>	<b>281,043,345</b>	<b>12,543,086</b>	<b>5.4%</b>	<b>10,908,307</b>	<b>4.4%</b>	<b>12,010,285</b>	<b>4.7%</b>

**CITY OF HAMILTON  
2021 - 2024 HAMILTON WATER, WASTEWATER AND STORM OPERATING BUDGET  
COMBINED WATER, WASTEWATER AND STORM**

	2020	2021	2022	2023	2024	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2021 REQUESTED / 2020 RESTATED BUDGET	%	2022 PROJECTED / 2021 REQUESTED BUDGET	%	2023 PROJECTED / 2022 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
<b>REVENUES:</b>											
<b>Rate Revenue</b>											
Residential	102,226,242	107,653,756	113,268,028	119,451,372	126,023,132	5,427,514	5.3%	5,614,272	5.2%	6,183,343	5.5%
Industrial/Commercial/Institutional/Multi-res	112,557,622	118,417,217	123,091,680	128,267,805	133,729,076	5,859,595	5.2%	4,674,464	3.9%	5,176,125	4.2%
Haldimand	2,476,310	2,588,952	2,697,501	2,820,792	2,938,075	112,642	4.5%	108,549	4.2%	123,291	4.6%
Halton	259,590	269,837	281,042	293,885	306,728	10,247	3.9%	11,204	4.2%	12,843	4.6%
Raw Water	125,000	128,750	132,613	136,591	140,689	3,750	3.0%	3,863	3.0%	3,978	3.0%
Non-Metered	580,000	880,000	910,000	940,000	970,000	300,000	51.7%	30,000	3.4%	30,000	3.3%
Private Fire Lines	1,850,000	1,924,000	2,000,960	2,080,998	2,165,000	74,000	4.0%	76,960	4.0%	80,038	4.0%
Hauler / 3rd Party Sales	1,225,000	1,400,000	1,442,000	1,485,260	1,515,739	175,000	14.3%	42,000	3.0%	43,260	3.0%
Overstrength Agreements	2,892,902	3,210,510	3,306,825	3,406,030	3,474,151	317,608	11.0%	96,315	3.0%	99,205	3.0%
Sewer Surcharge Agreements	5,806,726	6,224,456	6,411,190	6,603,525	6,735,596	417,730	7.2%	186,734	3.0%	192,336	3.0%
<b>Sub-Total Utility Rates</b>	<b>229,999,392</b>	<b>242,697,478</b>	<b>253,541,839</b>	<b>265,486,258</b>	<b>277,998,186</b>	<b>12,698,086</b>	<b>5.5%</b>	<b>10,844,360</b>	<b>4.5%</b>	<b>11,944,420</b>	<b>4.7%</b>
<b>Non-Rate Revenue</b>											
Local Improvement Recoveries	275,850	275,850	275,850	275,850	275,850	-	0.0%	-	0.0%	-	0.0%
Permits / Leases / Agreements	1,365,050	1,065,050	1,097,002	1,129,912	1,135,809	(300,000)	(22.0%)	31,952	3.0%	32,910	3.0%
Investment Income	450,000	450,000	450,000	450,000	450,000	-	0.0%	-	0.0%	-	0.0%
General Fees and Recoveries	921,510	1,066,510	1,098,505	1,131,460	1,183,500	145,000	15.7%	31,995	3.0%	32,955	3.0%
<b>Sub-Total Non-Rate Revenue</b>	<b>3,012,410</b>	<b>2,857,410</b>	<b>2,921,357</b>	<b>2,987,222</b>	<b>3,045,159</b>	<b>(155,000)</b>	<b>(5.1%)</b>	<b>63,947</b>	<b>2.2%</b>	<b>65,865</b>	<b>2.3%</b>
<b>TOTAL REVENUES</b>	<b>233,011,802</b>	<b>245,554,888</b>	<b>256,463,196</b>	<b>268,473,480</b>	<b>281,043,345</b>	<b>12,543,086</b>	<b>5.4%</b>	<b>10,908,307</b>	<b>4.4%</b>	<b>12,010,285</b>	<b>4.7%</b>
<b>NET EXPENDITURES</b>	<b>(0)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(0)</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>	<b>-</b>	<b>0.0%</b>

**CITY OF HAMILTON**  
**2021-2030 HAMILTON WATER, WASTEWATER & STORM OPERATING BUDGET**  
**COMBINED WATER, WASTEWATER AND STORM**  
 (\$ 000'S)

	2020 Restated	2021 Requested	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast
<b>OPERATING EXPENDITURES</b>											
OPERATING COSTS	86,720	90,652	92,465	92,714	94,557	96,448	98,377	100,344	102,351	104,398	106,486
TERTIARY TREATMENT	-	-	-	1,600	1,632	1,665	1,698	1,732	1,767	1,802	1,838
<b>TOTAL OPERATING COSTS</b>	<b>86,720</b>	<b>90,652</b>	<b>92,465</b>	<b>94,314</b>	<b>96,189</b>	<b>98,113</b>	<b>100,075</b>	<b>102,076</b>	<b>104,118</b>	<b>106,200</b>	<b>108,324</b>
<b>CAPITAL &amp; RESERVE IMPACTS ON OPERATING</b>											
<b>Contributions to Capital</b>											
Water	50,296	50,498	62,234	67,894	68,136	76,637	80,095	69,139	71,923	105,624	112,677
Wastewater	52,673	57,238	46,724	42,673	43,978	55,168	58,611	63,935	79,927	60,178	74,363
Stormwater	15,685	17,633	19,084	23,175	29,390	18,505	22,235	41,405	37,105	36,515	30,805
<b>Sub-total Contributions to Capital</b>	<b>118,654</b>	<b>125,369</b>	<b>128,042</b>	<b>133,742</b>	<b>141,504</b>	<b>150,310</b>	<b>160,941</b>	<b>174,478</b>	<b>188,956</b>	<b>202,317</b>	<b>217,845</b>
<b>Contributions for DC Exemptions</b>											
Water	2,240	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520
Wastewater	4,080	4,590	4,590	4,590	4,590	4,590	4,590	4,590	4,590	4,590	4,590
Stormwater	1,680	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890	1,890
<b>Sub-total Contributions to Capital</b>	<b>8,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>	<b>9,000</b>
<b>Debt Charges</b>											
Water	8,594	9,845	15,214	20,744	25,478	28,475	29,961	29,956	29,401	29,303	27,855
Wastewater	11,514	12,534	20,704	26,711	30,661	32,493	35,644	41,476	46,421	49,464	48,289
Stormwater	3,400	2,491	3,185	4,157	5,128	5,589	5,541	5,543	5,544	5,494	5,414
DC Debt Charges Recoveries	(3,826)	(4,335)	(12,147)	(20,194)	(26,916)	(30,258)	(34,638)	(42,087)	(48,949)	(52,118)	(52,167)
<b>Sub-total Debt Charges</b>	<b>19,682</b>	<b>20,534</b>	<b>26,956</b>	<b>31,417</b>	<b>34,351</b>	<b>36,299</b>	<b>36,509</b>	<b>34,889</b>	<b>32,417</b>	<b>32,143</b>	<b>29,390</b>
<b>Reserve Transfers</b>	<b>(44)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(0)</b>	<b>0</b>	<b>(0)</b>	<b>(0)</b>
<b>Sub-Total Capital &amp; Reserve Impacts on Operating</b>	<b>146,292</b>	<b>154,903</b>	<b>163,998</b>	<b>174,159</b>	<b>184,855</b>	<b>195,610</b>	<b>206,449</b>	<b>218,367</b>	<b>230,373</b>	<b>243,459</b>	<b>256,236</b>
<b>TOTAL EXPENDITURES</b>	<b>233,012</b>	<b>245,555</b>	<b>256,463</b>	<b>268,473</b>	<b>281,043</b>	<b>293,722</b>	<b>306,524</b>	<b>320,443</b>	<b>334,491</b>	<b>349,659</b>	<b>364,560</b>
<b>REVENUES</b>											
Residential	102,226	107,654	113,268	119,451	126,023	132,710	139,512	146,824	154,262	162,680	171,134
Industrial/Commercial/Institutional/Multi-res	112,558	118,417	123,092	128,268	133,729	139,190	144,652	150,691	156,731	162,902	168,781
Haldimand	2,476	2,589	2,698	2,821	2,938	3,061	3,185	3,328	3,464	3,600	3,718
Halton	260	270	281	294	307	320	332	346	361	375	389
Raw Water	125	129	133	137	141	145	149	154	158	163	168
Non-Metered	580	880	910	940	970	1,000	1,030	1,060	1,090	1,120	1,150
Private Fire Lines	1,850	1,924	2,001	2,081	2,165	2,230	2,297	2,366	2,437	2,510	2,585
Hauler / 3rd Party Sales	1,225	1,400	1,442	1,485	1,516	1,546	1,577	1,609	1,641	1,673	1,707
Overstrength Agreements	2,893	3,211	3,307	3,406	3,474	3,544	3,615	3,687	3,761	3,836	3,912
Sewer Surcharge Agreements	5,807	6,224	6,411	6,604	6,736	6,870	7,008	7,148	7,291	7,437	7,585
Non-Rate Revenue	3,012	2,857	2,921	2,987	3,045	3,106	3,168	3,232	3,296	3,362	3,429
<b>TOTAL REVENUES</b>	<b>233,012</b>	<b>245,555</b>	<b>256,463</b>	<b>268,473</b>	<b>281,043</b>	<b>293,722</b>	<b>306,524</b>	<b>320,443</b>	<b>334,491</b>	<b>349,659</b>	<b>364,560</b>
<b>NET EXPENDITURES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Rate Increase</b>	<b>4.11%</b>	<b>4.28%</b>	<b>4.05%</b>	<b>4.29%</b>	<b>4.35%</b>	<b>4.16%</b>	<b>4.00%</b>	<b>4.13%</b>	<b>3.97%</b>	<b>4.33%</b>	<b>4.07%</b>
<b>RESIDENTIAL BILL (200m<sup>3</sup> p.a.)</b>	<b>\$ 752.60</b>	<b>\$ 784.80</b>	<b>\$ 816.55</b>	<b>\$ 851.55</b>	<b>\$ 888.55</b>	<b>\$ 925.55</b>	<b>\$ 962.55</b>	<b>\$ 1,002.35</b>	<b>\$ 1,042.15</b>	<b>\$ 1,087.25</b>	<b>\$ 1,131.55</b>



City of Hamilton  
Water System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
<b>Annual Projects</b>														
City Wide	4032114405	Contaminated Soil & Rock Disposal Program		250	-	-	-	-	-	-	-	250	250	-
City Wide	4032158001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-
City Wide	5142101099	Engineering Services Staffing Costs - Water		4,700	-	-	-	-	-	-	-	4,700	4,700	-
City Wide	5142160711	PW Capital Water Consumption Program		250	-	-	-	-	-	-	-	250	250	-
<i>Sub-Total Annual Projects</i>				<b>5,230</b>	-	-	-	-	-	-	-	<b>5,230</b>	<b>5,230</b>	-
<b>Coordinated - Network Extension Projects</b>														
15	5142171308	East-West Road Corridor (Waterdown By-Pass)	*	1,200	-	-	1,140	-	-	-	-	60	60	-
12	5142171328	Southcote - Garner to Highway 403 Bridge		160	-	-	80	-	-	-	-	80	80	-
11	5142171352	Airport Lands - Dickenson Rd - Upper James to Upper centennial PKWY		1,800	-	-	-	-	-	-	-	1,800	1,800	-
11	5142180183	Binbrook - Royal Winter/Binhaven to Fletcher	*	630	-	-	630	-	-	-	-	-	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>				<b>3,790</b>	-	-	<b>1,850</b>	-	-	-	-	<b>1,940</b>	<b>1,940</b>	-
<b>Coordinated - Replacement Projects</b>														
2	5141970012	Sheaffe / Park / Mulberry (Central Neighbourhood (North)) - Coordinated Road Restoration		200	-	-	-	-	-	-	-	200	200	-
2	5141971312	Sheaffe / Park / Mulberry (Central Neighbourhood (North))		1,240	-	-	-	-	-	-	-	1,240	1,240	-
4	5142071315	Delena / Beland / Dunsmore		1,140	-	-	-	-	-	-	-	1,140	1,140	-
2	5142170004	Strachan - James to east end - Coordinated Road Restoration		430	-	-	-	-	-	-	-	430	430	-
13	5142170011	Highway 8 - Bond to Woodleys Lane - Coordinated Road Restoration		830	-	-	-	-	-	-	-	830	830	-
4	5142170015	Delena / Beland / Dunsmore - Coordinated Road Restoration		930	-	-	-	-	-	-	-	930	930	-
1	5142171303	Marion - Longwood to Dromore		50	-	-	-	-	-	-	-	50	50	-
2	5142171304	Strachan - James to east end		600	-	-	-	-	-	-	-	600	600	-
8	5142171309	Inverness Court & Arcade Crescent (within Southam Neighbourhood)		150	-	-	-	-	-	-	-	150	150	-
4	5142171310	Barton - Parkdale to Talbot		1,080	-	-	-	-	-	-	-	1,080	1,080	-
13	5142171311	Highway 8 - Bond to Woodleys Lane		800	-	-	-	-	-	-	-	800	800	-
<i>Sub-Total Coordinated - Replacement Projects</i>				<b>7,450</b>	-	-	-	-	-	-	-	<b>7,450</b>	<b>7,450</b>	-
<b>Coordinated Projects</b>														
City Wide	5141855777	Water infrastructure Analysis - Growth and Economic Opportunities		350	-	200	-	-	-	-	-	150	150	-
City Wide	5142160501	Watermain Rehabilitation/Replacement Coordinated with Development		1,000	-	-	-	-	-	-	-	1,000	1,000	-
<i>Sub-Total Coordinated Projects</i>				<b>1,350</b>	-	<b>200</b>	-	-	-	-	-	<b>1,150</b>	<b>1,150</b>	-
<b>Demolition</b>														
2	5142067420	St. Joseph's Tank Pulsation Dampener (HD002STK)		110	-	-	-	-	-	-	-	110	110	-
<i>Sub-Total Demolition</i>				<b>110</b>	-	-	-	-	-	-	-	<b>110</b>	<b>110</b>	-
<b>Equipment Replacement</b>														
City Wide	5141966151	SCADA Maintenance Program		150	-	-	-	-	-	-	-	150	150	-
<i>Sub-Total Equipment Replacement</i>				<b>150</b>	-	-	-	-	-	-	-	<b>150</b>	<b>150</b>	-
<b>Information Management Development</b>														
City Wide	5142257000	Vertical Asset Management Program		280	-	-	-	-	-	-	-	280	280	-
<i>Sub-Total Information Management Development</i>				<b>280</b>	-	-	-	-	-	-	-	<b>280</b>	<b>280</b>	-
<b>Master Plan - Horizontal Assets</b>														
13, 15	5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 to Hwy 5 at Algonquin (W-25) (CASH FLOWED)	*	430	-	-	322	-	-	-	-	108	108	-
11	5141996951	Binbrook Feedermain via Fletcher (W-30)	*	3,870	-	-	3,870	-	-	-	-	-	-	-
11	5142096250	Airport Lands External Water Servicing (Feedermain) (W-27)	*	7,170	-	1,481	5,689	-	-	-	-	-	-	-
<i>Sub-Total Master Plan - Horizontal Assets</i>				<b>11,470</b>	-	<b>1,481</b>	<b>9,881</b>	-	-	-	-	<b>108</b>	<b>108</b>	-
<b>Master Plan - Vertical Assets</b>														

City of Hamilton  
Water System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
12	5141395354	PD18 (Ancaster) Water Servicing Strategy (W-14) (CASH FLOWED)	*	800	-	-	400	-	-	-	-	400	400	-
13	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-M)	*	390	-	-	292	-	-	-	-	98	98	-
13	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-28) (CASH FLOWED)	*	1,400	-	-	1,260	-	-	-	-	140	140	-
5	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	*	14,080	-	-	10,560	-	-	-	-	3,520	20	3,500
<i>Sub-Total Master Plan - Vertical Assets</i>				<b>16,670</b>	-	-	<b>12,512</b>	-	-	-	-	<b>4,158</b>	<b>658</b>	<b>3,500</b>
<b>Outstations-Sustainable Asset Mgt (SAM)</b>														
1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning		250	-	-	-	-	-	-	-	250	250	-
8	5141567520	Stone Church/Garth Water (HDR05) Reservoir		2,975	-	-	-	-	-	-	-	2,975	75	2,900
12	5141667421	Glancaster Rd & Hwy 53 Pumping Station (HD018) Upgrades (CASH FLOWED)		5,900	-	-	-	-	-	-	-	5,900	-	5,900
14	5141767650	New Greensville Communal Well		170	-	-	-	-	-	-	-	170	170	-
15	5141895852	Carlisle Water Supply System - Additional Water Storage (CASH FLOWED)		440	-	-	-	-	-	-	-	440	440	-
4, 10	5141967375	HDR01 Kenilworth and HDR1C Ben Nevis Reservoir Upgrades		1,610	-	-	-	-	-	-	-	1,610	1,610	-
12	5142067450	Lee Smith Reservoir (HDR00) Upgrades		830	-	-	-	-	-	-	-	830	830	-
15	5142166608	Lynden Water System - Phase 2 Treatment		610	-	-	-	-	-	-	-	610	610	-
12	5142167420	HDR18 Glancaster Reservoir Upgrades		440	-	-	-	-	-	-	-	440	440	-
13	5142167421	HDR11 Woodley Lane Reservoir Upgrades		1,600	-	-	-	-	-	-	-	1,600	1,600	-
City Wide	5142167752	Water Outstation Inspections - Asset Management		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Outstations-Sustainable Asset Mgt (SAM)</i>				<b>15,325</b>	-	-	-	-	-	-	-	<b>15,325</b>	<b>6,525</b>	<b>8,800</b>
<b>Plans/Studies</b>														
City Wide	5142155247	Alterations to the Drinking Water System		150	-	-	-	-	-	-	-	150	150	-
<i>Sub-Total Plans/Studies</i>				<b>150</b>	-	-	-	-	-	-	-	<b>150</b>	<b>150</b>	-
<b>Plant - Sustainable Asset Mgt (SAM)</b>														
4	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2 (CASH FLOWED)		2,470	-	-	-	-	-	-	-	2,470	370	2,100
City Wide	5142066310	WTP Pre-Treatment Isolation Valves		1,650	-	-	-	-	-	-	-	1,650	1,650	-
4	5142166110	Water Treatment Plant - Process Upgrades Phase 2 (CASH FLOWED)		1,378	-	-	671	-	-	-	-	707	707	-
<i>Sub-Total Plant - Sustainable Asset Mgt (SAM)</i>				<b>5,498</b>	-	-	<b>671</b>	-	-	-	-	<b>4,827</b>	<b>2,727</b>	<b>2,100</b>
<b>Plant - Water Quality Initiatives (WQI)</b>														
City Wide	5142169075	City Environmental Lab Improvements Program		275	-	-	-	-	-	275	-	-	-	-
<i>Sub-Total Plant - Water Quality Initiatives (WQI)</i>				<b>275</b>	-	-	-	-	-	<b>275</b>	-	-	-	-
<b>Pumping Station</b>														
10	5142167840	PD9 & PD10 East Stoney Creek Booster Pumping Station		720	-	-	-	-	-	-	-	720	720	-
<i>Sub-Total Pumping Station</i>				<b>720</b>	-	-	-	-	-	-	-	<b>720</b>	<b>720</b>	-
<b>Rehabilitation Project</b>														
City Wide	5142157626	Critical Watermain Inspection Program		600	-	-	-	-	-	-	-	600	600	-
City Wide	5142157627	Pipeline 38/28 Trunkmain Inspection		500	-	-	-	-	-	-	-	500	500	-
1, 2	5142160073	Structural Watermain Lining - Charlton Ave 750mm		150	-	-	-	-	-	-	-	150	150	-
City Wide	5142160074	Watermain CIPP Urgent and Sensitive Crossings		800	-	-	-	-	-	-	-	800	800	-
City Wide	5142160750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program		3,000	-	-	-	-	-	-	-	3,000	3,000	-
City Wide	5142161502	Water Meter - Installation/Replacement/Repair - General Maintenance		3,400	-	-	-	640	-	550	-	2,210	2,210	-
<i>Sub-Total Rehabilitation Project</i>				<b>8,450</b>	-	-	-	<b>640</b>	-	<b>550</b>	-	<b>7,260</b>	<b>7,260</b>	-
<b>Replacement Project</b>														
City Wide	5142160080	Valve Replacement Program		1,200	-	-	-	-	-	-	-	1,200	1,200	-
7	5142161301	Edwina - Lawson to Berko & Berko - Edwina to Lawfield		330	-	-	-	-	-	-	-	330	330	-
3	5142161304	Robert - Victoria to Emerald		430	-	-	-	-	-	-	-	430	430	-

City of Hamilton  
Water System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources		
													From Operating	Debt	
3	5142161305	Fraser - Edinburgh to Campbell		160	-	-	-	-	-	-	-	160	160	-	
3	5142161306	Afton - Cedar to Balsam		160	-	-	-	-	-	-	-	160	160	-	
2	5142161307	Mulberry - Bay to James		990	-	-	-	-	-	70	-	920	920	-	
City Wide	5142171074	Contingency for Unscheduled Works Program		180	-	-	-	-	-	-	-	180	180	-	
<i>Sub-Total Replacement Project</i>				<b>3,450</b>	-	-	-	-	-	<b>70</b>	-	<b>3,380</b>	<b>3,380</b>	-	
<b>Restorations</b>															
City Wide	5142111101	Road Cut Restoration Program		5,400	-	-	-	-	-	2,110	-	3,290	3,290	-	
<i>Sub-Total Restorations</i>				<b>5,400</b>	-	-	-	-	-	<b>2,110</b>	-	<b>3,290</b>	<b>3,290</b>	-	
<b>Technical Services Projects</b>															
City Wide	4031957944	PW Asset Management (PW-AM) System Implementation - CASH FLOW		1,420	-	-	-	-	-	-	-	1,420	1,420	-	
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development		50	-	-	-	-	-	-	-	50	50	-	
City Wide	4032155522	State of the Infrastructure - Asset Management		50	-	-	-	-	-	-	-	50	50	-	
City Wide	5141555555	Ctiy Wide Groundwater Model		450	-	-	-	-	-	-	-	450	450	-	
City Wide	5142149555	QA-QC Service Contract Program		150	-	-	-	-	-	-	-	150	150	-	
City Wide	5142155022	Engineering Consultant Watermain Projects		300	-	-	-	-	-	-	-	300	300	-	
4, 5	5142155122	Woodward-Greenhill Transmission Main Inspection		800	-	-	-	-	-	-	-	800	800	-	
City Wide	5142155556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-	
City Wide	5142157545	Water - Computer Model		170	-	-	-	-	-	-	-	170	170	-	
City Wide	5142160577	Metallic Watermain Condition Assessment Program		630	-	-	-	-	-	-	-	630	630	-	
<i>Sub-Total Technical Services Projects</i>				<b>4,060</b>	-	-	-	-	-	-	-	<b>4,060</b>	<b>4,060</b>	-	
<b>Upgrade Projects</b>															
2	5142161302	Jackson - Catherine to Walnut		210	-	-	-	-	-	-	-	210	210	-	
City Wide	5142162073	Field Data Systems Program		110	-	-	-	-	-	-	-	110	110	-	
City Wide	5142162078	Substandard Water Service Replacement Program		2,750	-	-	-	-	-	-	-	2,750	2,750	-	
<i>Sub-Total Upgrade Projects</i>				<b>3,070</b>	-	-	-	-	-	-	-	<b>3,070</b>	<b>3,070</b>	-	
<b>Vehicles-New</b>															
City Wide	5142151110	Fleet Additions		1,760	-	-	-	-	-	600	-	1,160	1,160	-	
<i>Sub-Total Vehicles-New</i>				<b>1,760</b>	-	-	-	-	-	<b>600</b>	-	<b>1,160</b>	<b>1,160</b>	-	
<b>Water Quality Initiatives (WQI)</b>															
City Wide	5162168777	Chedoke Creek Water Quality Improvements		1,050	-	-	-	-	-	-	-	1,050	1,050	-	
<i>Sub-Total Water Quality Initiatives (WQI)</i>				<b>1,050</b>	-	-	-	-	-	-	-	<b>1,050</b>	<b>1,050</b>	-	
<b>Watermain Lining</b>															
City Wide	5142160072	Watermain Structural Lining		7,700	-	-	-	-	-	2,770	-	4,930	30	4,900	
<i>Sub-Total Watermain Lining</i>				<b>7,700</b>	-	-	-	-	-	<b>2,770</b>	-	<b>4,930</b>	<b>30</b>	<b>4,900</b>	
<b>Total All Projects</b>				<b>103,408</b>	-	<b>1,681</b>	<b>24,914</b>	<b>640</b>	-	<b>6,375</b>	-	<b>69,798</b>	<b>50,498</b>	<b>19,300</b>	

\*DC  
Debt

City of Hamilton  
Wastewater System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
<b>Annual Projects</b>														
City Wide	4032114405	Contaminated Soil & Rock Disposal Program		250	-	-	-	-	-	-	-	250	250	-
City Wide	4032158001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-
City Wide	5162101099	Engineering Services Staffing Costs - Wastewater		4,700	-	-	-	-	-	-	-	4,700	4,700	-
City Wide	5162160711	PW Capital Water Consumption Program		250	-	-	-	-	-	-	-	250	250	-
<i>Sub-Total Annual Projects</i>				<b>5,230</b>	-	-	-	-	-	-	-	<b>5,230</b>	<b>5,230</b>	-
<b>Building - New Construction</b>														
City Wide	5161667421	New Haulage Receiving Station		250	-	-	-	-	-	-	-	250	250	-
<i>Sub-Total Building - New Construction</i>				<b>250</b>	-	-	-	-	-	-	-	<b>250</b>	<b>250</b>	-
<b>Computer Software Purchases</b>														
City Wide	5162157545	Wastewater Computer Model Update & Maintenance		150	-	-	-	145	-	-	-	5	5	-
<i>Sub-Total Computer Software Purchases</i>				<b>150</b>	-	-	-	<b>145</b>	-	-	-	<b>5</b>	<b>5</b>	-
<b>Coordinated - Network Extension Projects</b>														
6, 11	5162180584	RHBP - Nebo - Rymal to Twenty	*	750	-	-	750	-	-	-	-	-	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>				<b>750</b>	-	-	<b>750</b>	-	-	-	-	-	-	-
<b>Coordinated - Replacement Projects</b>														
2	5161971945	Sheaffe / Park / Mulberry (Central Neighbourhood (North))		70	-	-	-	-	-	-	-	70	70	-
10	5162171025	Dewitt - Highway 8 to Barton		660	-	-	-	-	-	-	-	660	660	-
13	5162171311	Highway 8 - Bond to Woodleys Lane		1,650	-	-	-	-	-	-	-	1,650	1,650	-
<i>Sub-Total Coordinated - Replacement Projects</i>				<b>2,380</b>	-	-	-	-	-	-	-	<b>2,380</b>	<b>2,380</b>	-
<b>Coordinated Projects</b>														
City Wide	5161855777	Wastewater infrastructure Analysis - Growth and Economic Opportunities		350	-	200	-	-	-	-	-	150	150	-
<i>Sub-Total Coordinated Projects</i>				<b>350</b>	-	<b>200</b>	-	-	-	-	-	<b>150</b>	<b>150</b>	-
<b>Development Projects</b>														
7	5162180281	Rymal - 150m e/o Massina to 140m easterly		30	-	-	-	-	-	-	-	30	30	-
<i>Sub-Total Development Projects</i>				<b>30</b>	-	-	-	-	-	-	-	<b>30</b>	<b>30</b>	-
<b>Equipment Replacement</b>														
City Wide	5161966151	SCADA Maintenance Program		150	-	-	-	-	-	-	-	150	150	-
<i>Sub-Total Equipment Replacement</i>				<b>150</b>	-	-	-	-	-	-	-	<b>150</b>	<b>150</b>	-
<b>Maintenance Projects</b>														
5, 6	5161968920	Fennell/Greenhill Drop Shaft		350	-	-	-	-	-	-	-	350	350	-
4	5162068851	Pier 25 Dredging - Windermere Basin		280	-	-	-	-	-	-	-	280	280	-
4	5162161142	Eastern Sanitary Interceptor (ESI) at Battlefield Creek Trunk		260	-	-	-	-	-	-	-	260	260	-
<i>Sub-Total Maintenance Projects</i>				<b>890</b>	-	-	-	-	-	-	-	<b>890</b>	<b>890</b>	-
<b>Master Plan - Horizontal Assets</b>														
5, 9	5161695747	Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	*	10,500	-	-	10,500	-	-	-	-	-	-	-
11	5161696452	Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	*	20,300	-	-	20,300	-	-	-	-	-	-	-
<i>Sub-Total Master Plan - Horizontal Assets</i>				<b>30,800</b>	-	-	<b>30,800</b>	-	-	-	-	-	-	-
<b>Network Extension Projects</b>														
12	5162180187	Garner Road West - Raymond Road to Hwy 6 - CASH FLOW	*	4,000	-	-	4,000	-	-	-	-	-	-	-
<i>Sub-Total Network Extension Projects</i>				<b>4,000</b>	-	-	<b>4,000</b>	-	-	-	-	-	-	-
<b>Outstations-Sustainable Asset Mgt (SAM)</b>														
13	5161267273	Dundas Wastewater Outstations Upgrades		3,470	-	-	-	-	-	-	-	3,470	3,470	-

City of Hamilton  
Wastewater System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
12, 13, 15	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades		660	-	-	330	-	-	-	-	330	330	-
4	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades		250	-	-	-	-	-	-	-	250	250	-
5	5162067065	Eastport Drive SPS (HC017) Upgrades		2,480	-	-	-	-	-	-	-	2,480	2,480	-
15	5162067275	FC001 Elgin Street Sewage Pumping Station		1,700	-	-	-	-	-	-	-	1,700	1,700	-
12	5162067425	Hillside SPS (DC006) Upgrades		1,100	-	-	-	-	-	-	-	1,100	1,100	-
13	5162167420	DC007 McMaster Sewage Pumping Station Upgrades		770	-	-	-	-	-	-	-	770	770	-
City Wide	5162167752	Wastewater Outstation Inspections - Asset Management Program		200	-	-	-	-	-	-	-	200	200	-
<i>Sub-Total Outstations-Sustainable Asset Mgt (SAM)</i>				<b>10,630</b>	-	-	<b>330</b>	-	-	-	-	<b>10,300</b>	<b>10,300</b>	-
<b>Plant - Sustainable Asset Mgt (SAM)</b>														
13	5161266213	Dundas WWTP Improvements (CASH FLOWED)		1,650	-	-	-	-	-	-	-	1,650	1,650	-
City Wide	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	*	1,750	-	-	1,750	-	-	-	-	-	-	-
City Wide	5161966511	Woodward WWTP - Digesters 3 & 5 (CASH FLOWED)		5,750	-	-	-	-	-	-	-	5,750	5,750	-
City Wide	5162067420	Main & King CSO Rehabilitation		1,000	-	-	-	-	-	-	-	1,000	1,000	-
City Wide	5162166713	Wastewater Maintenance Capital Program		1,500	-	-	-	-	-	-	-	1,500	1,500	-
<i>Sub-Total Plant - Sustainable Asset Mgt (SAM)</i>				<b>11,650</b>	-	-	<b>1,750</b>	-	-	-	-	<b>9,900</b>	<b>9,900</b>	-
<b>Plant - Wastewater Investment Needs (WINS)</b>														
City Wide	5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	*	69,363	21,892	-	5,480	12,220	-	-	-	29,771	1,071	28,700
City Wide	5160966910	Woodward WWTP - Biosolids Management Facility	*	2,770	-	-	527	-	-	-	-	2,243	2,243	-
City Wide	5162169075	City Environmental Lab Improvements Program		410	-	-	-	-	-	410	-	-	-	-
City Wide	5162169076	City Environmental Lab - HVAC		120	-	-	-	-	-	120	-	-	-	-
<i>Sub-Total Plant - Wastewater Investment Needs (WINS)</i>				<b>72,663</b>	<b>21,892</b>	-	<b>6,007</b>	<b>12,220</b>	-	<b>530</b>	-	<b>32,014</b>	<b>3,314</b>	<b>28,700</b>
<b>Rehabilitation Project</b>														
8	5162061006	Inverness Ave E - Combined Major Trunk Rehabilitation		770	-	-	-	-	-	-	-	770	770	-
City Wide	5162160302	Emergency Repairs - Cross Connections Program		500	-	-	-	-	-	500	-	-	-	-
City Wide	5162160390	Wastewater System Lining Program		4,050	-	-	-	-	-	960	-	3,090	3,090	-
11	5162160391	AEGD Upper James Force Main Downstream Lining		3,500	-	-	-	-	-	-	-	3,500	3,500	-
City Wide	5162160522	Sewer Lateral Management Program (WWC)		4,250	-	-	-	-	-	-	-	4,250	4,250	-
City Wide	5162160533	Trenchless Manhole Rehabilitation		70	-	-	-	-	-	-	-	70	70	-
City Wide	5162160574	Capital Programming Sewer Inspection & Assessment		500	-	-	-	-	-	-	-	500	500	-
City Wide	5162160575	Mainline Sewer Condition Assessment Program		1,140	-	-	-	-	-	-	-	1,140	1,140	-
City Wide	5162160576	Sewer Lateral Condition Assessment Program		540	-	-	-	-	-	-	-	540	540	-
City Wide	5162160577	Mainline Sewer Condition Assessment for Compliance & Regulations		100	-	-	-	-	-	-	-	100	100	-
<i>Sub-Total Rehabilitation Project</i>				<b>15,420</b>	-	-	-	-	-	<b>1,460</b>	-	<b>13,960</b>	<b>13,960</b>	-
<b>Repairs</b>														
City Wide	5162160820	Open Cut Repairs for CIPP Program		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Repairs</i>				<b>500</b>	-	-	-	-	-	-	-	<b>500</b>	<b>500</b>	-
<b>Replacement Project</b>														
City Wide	5162161444	Sewer Lateral Replace/Rehab Program		3,600	-	-	-	-	-	-	-	3,600	3,600	-
City Wide	5162161740	Unscheduled Manhole and Sewermain Replacement Program		610	-	-	-	-	-	110	-	500	500	-
City Wide	5162171015	Sewer Lateral Replacement for Co-ordinated Projects		270	-	-	-	-	-	-	-	270	270	-
<i>Sub-Total Replacement Project</i>				<b>4,480</b>	-	-	-	-	-	<b>110</b>	-	<b>4,370</b>	<b>4,370</b>	-
<b>Restorations</b>														
City Wide	5162111101	Road Cut Restoration Program		1,800	-	-	-	-	-	-	-	1,800	1,800	-
<i>Sub-Total Restorations</i>				<b>1,800</b>	-	-	-	-	-	-	-	<b>1,800</b>	<b>1,800</b>	-

City of Hamilton  
Wastewater System  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
<b>Technical Services Projects</b>														
City Wide	403205588	O.Reg. 588/17 Compliance - Asset Management Plan Development		50	-	-	-	-	-	-	-	50	50	-
City Wide	403215522	State of the Infrastructure - Asset Management		50	-	-	-	-	-	-	-	50	50	-
City Wide	516214955	QA-QC Service Contract Program		150	-	-	-	-	-	-	-	150	150	-
City Wide	516215502	Engineering Consultant Sewermain Projects		300	-	-	-	-	-	-	-	300	300	-
City Wide	516215556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-
City Wide	516215587	Forcemain Condition Assessment Program		270	-	-	-	-	-	270	-	-	-	-
City Wide	516215588	Inflow & Infiltration Studies and Flow Monitoring Program	*	450	-	-	226	-	-	-	-	224	224	-
<i>Sub-Total Technical Services Projects</i>				<b>1,310</b>	-	-	<b>226</b>	-	-	<b>270</b>	-	<b>814</b>	<b>814</b>	-
<b>Upgrade Projects</b>														
6, 7	516165531	Lawfield / Berrisfield Neighbourhoods		170	-	-	-	-	-	-	-	170	170	-
City Wide	5162162073	Field Data Systems Program		110	-	-	-	-	-	-	-	110	110	-
City Wide	5162167501	Odour Control Program & Media Replacement		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Upgrade Projects</i>				<b>780</b>	-	-	-	-	-	-	-	<b>780</b>	<b>780</b>	-
<b>Wastewater Investment Needs Strategy (WINS)</b>														
15	5162167275	DC014 First Street (Waterdown) SPS New Swab Launch Chamber		1,540	-	-	-	-	-	-	-	1,540	1,540	-
<i>Sub-Total Wastewater Investment Needs Strategy (WINS)</i>				<b>1,540</b>	-	-	-	-	-	-	-	<b>1,540</b>	<b>1,540</b>	-
<b>Water Quality Initiatives (WQI)</b>														
City Wide	5161468422	Randle Reef Sediment Remediation (CASH FLOWED)		375	-	-	-	-	-	-	-	375	375	-
<i>Sub-Total Water Quality Initiatives (WQI)</i>				<b>375</b>	-	-	-	-	-	-	-	<b>375</b>	<b>375</b>	-
<b>Waterfront Initiatives</b>														
City Wide	5162055800	Sewer Outfall Monitoring Study		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Waterfront Initiatives</i>				<b>500</b>	-	-	-	-	-	-	-	<b>500</b>	<b>500</b>	-
<b>Total All Projects</b>				<b>166,628</b>	<b>21,892</b>	<b>200</b>	<b>43,863</b>	<b>12,365</b>	-	<b>2,370</b>	-	<b>85,938</b>	<b>57,238</b>	<b>28,700</b>

\*DC Debt

City of Milton  
Storm Water Management  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources	
													From Operating	Debt
<b>Annual Projects</b>														
City Wide	4032114405	Contaminated Soil & Rock Disposal Program		250	-	-	-	-	-	-	-	250	250	-
City Wide	4032158001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-
City Wide	5182101099	Engineering Services Staffing Costs - Storm		1,100	-	-	-	-	-	-	-	1,100	1,100	-
<i>Sub-Total Annual Projects</i>				<b>1,380</b>	-	-	-	-	-	-	-	<b>1,380</b>	<b>1,380</b>	-
<b>Coordinated - Network Extension Projects</b>														
6, 11	5182180584	RHBP - Nebo - Rymal to Twenty	*	2,000	-	-	1,700	-	-	-	-	300	300	-
<i>Sub-Total Coordinated - Network Extension Projects</i>				<b>2,000</b>	-	-	<b>1,700</b>	-	-	-	-	<b>300</b>	<b>300</b>	-
<b>Coordinated - Replacement Projects</b>														
4	5182170010	Barton - Parkdale to Talbot - Coordinated Road Restoration		1,700	-	-	-	-	-	-	-	1,700	1,700	-
13	5182172011	Highway 8 - Bond to Woodleys Lane		2,150	-	-	-	-	-	500	-	1,650	1,650	-
13	5182172205	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)		30	-	-	-	-	-	-	-	30	30	-
4	5182172210	Barton - Parkdale to Talbot		1,530	-	-	-	-	-	-	-	1,530	1,530	-
City Wide	5182174840	Stormwater Analysis for Bridge, Culvert and Ditch Replacement Projects		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Coordinated - Replacement Projects</i>				<b>5,910</b>	-	-	-	-	-	<b>500</b>	-	<b>5,410</b>	<b>5,410</b>	-
<b>Coordinated - Upgrade Projects</b>														
City Wide	5182174680	Storm Sewer Network Planning - Transportation Program		660	-	-	-	-	-	-	-	660	660	-
<i>Sub-Total Coordinated - Upgrade Projects</i>				<b>660</b>	-	-	-	-	-	-	-	<b>660</b>	<b>660</b>	-
<b>Development Projects</b>														
City Wide	5182180090	Storm Water Management Program		4,000	-	-	4,000	-	-	-	-	-	-	-
11	5182180280	Airport Road Storm Sewer - Homestead to Mountaingate		1,360	-	-	1,360	-	-	-	-	-	-	-
7	5182180281	Rymal - 150m e/o Massina to 140m easterly		70	-	-	-	-	-	-	-	70	70	-
9	5182180285	SWMP - SM20		1,125	-	-	1,125	-	-	-	-	-	-	-
<i>Sub-Total Development Projects</i>				<b>6,555</b>	-	-	<b>6,485</b>	-	-	-	-	<b>70</b>	<b>70</b>	-
<b>Maintenance Projects</b>														
City Wide	5182168651	Windermere Basin Shoreline Rehabilitation		170	-	-	-	-	-	-	-	170	170	-
City Wide	5182174951	Shoreline Protection Program		1,320	-	-	-	-	-	1,320	-	-	-	-
<i>Sub-Total Maintenance Projects</i>				<b>1,490</b>	-	-	-	-	-	<b>1,320</b>	-	<b>170</b>	<b>170</b>	-
<b>Operations &amp; Maintenance</b>														
15	5181972940	Evans Road Culvert Twinning		500	-	-	-	-	-	-	-	500	500	-
15	5182017040	Highway 97 - Culvert Improvement Project		580	-	-	-	-	-	-	-	580	580	-
City Wide	5182160622	SWM Facility Maintenance Program		2,000	-	-	-	1,654	-	-	-	346	346	-
10, 11, 12, 13, 14,	5182160722	Municipal Drain Program		700	-	473	-	-	-	-	-	227	227	-
<i>Sub-Total Operations &amp; Maintenance</i>				<b>3,780</b>	-	<b>473</b>	-	<b>1,654</b>	-	-	-	<b>1,653</b>	<b>1,653</b>	-
<b>Outstations-Sustainable Asset Mgt (SAM)</b>														
City Wide	5182167751	Stormwater Infrastructure Criticality Assessment		280	-	-	-	-	-	-	-	280	280	-
<i>Sub-Total Outstations-Sustainable Asset Mgt (SAM)</i>				<b>280</b>	-	-	-	-	-	-	-	<b>280</b>	<b>280</b>	-
<b>Programs &amp; Contracts T.O.M.</b>														
City Wide	5182117152	Right of Way Drainage Program		1,500	-	-	-	-	-	-	-	1,500	1,500	-
City Wide	5182117458	Catch Basin Replacement/Rehabilitation Program		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Programs &amp; Contracts T.O.M.</i>				<b>2,000</b>	-	-	-	-	-	-	-	<b>2,000</b>	<b>2,000</b>	-
<b>Rehabilitation Project</b>														
13	5182061046	Osler Dr Outfall @ Grant Blvd		490	-	-	-	-	-	110	-	380	380	-

City of Hamilton  
Storm Water Management  
2021 Capital Budget Project List  
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources		
													From Operating	Debt	
City Wide	5182160129	Residential Drainage Assistance Program		100	-	-	-	-	-	-	-	100	100	-	
City Wide	5182160533	Trenchless Manhole Rehabilitation		70	-	-	-	-	-	-	-	70	70	-	
14	5182180150	Chedmac - Southridge Court to 80m easterly		230	-	-	-	-	-	-	-	230	230	-	
<i>Sub-Total Rehabilitation Project</i>				<b>890</b>	-	-	-	-	-	<b>110</b>	-	<b>780</b>	<b>780</b>	-	
<b>Replacement Project</b>															
City Wide	5181767723	Pumping Stations		1,350	-	-	-	-	-	-	-	1,350	1,350	-	
13	5182018101	Old Guelph Rd - Culvert Replacement		350	-	-	-	-	-	-	-	350	350	-	
City Wide	5182117549	Concrete Box Culvert Rehab/Repair - T.O.M.		250	-	-	-	-	-	-	-	250	250	-	
City Wide	5182117550	Concrete Box Culvert Rehab/Repair - Engineering Services		250	-	-	-	-	-	-	-	250	250	-	
City Wide	5182161740	Unscheduled Manhole and Sewermain Replacement Program		50	-	-	-	-	-	-	-	50	50	-	
<i>Sub-Total Replacement Project</i>				<b>2,250</b>	-	-	-	-	-	-	-	<b>2,250</b>	<b>2,250</b>	-	
<b>SERG</b>															
1	5181260214	SERG - Parkside and Kipling Flood Solutions		1,000	-	-	-	-	-	-	-	1,000	1,000	-	
City Wide	5182155347	Watercourse Erosion Sites Rehabilitation and Mitigation		280	-	-	-	-	-	-	-	280	280	-	
City Wide	5182174275	Stormwater Management Facility Improvements		1,000	-	-	-	-	-	-	-	1,000	1,000	-	
<i>Sub-Total SERG</i>				<b>2,280</b>	-	-	-	-	-	-	-	<b>2,280</b>	<b>2,280</b>	-	
<b>Technical Services Projects</b>															
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development		50	-	-	-	-	-	-	-	50	50	-	
City Wide	4032155522	State of the Infrastructure - Asset Management		50	-	-	-	-	-	-	-	50	50	-	
City Wide	5182149555	QA-QC Service Contract Program		150	-	-	-	-	-	-	-	150	150	-	
City Wide	5182155556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-	
<i>Sub-Total Technical Services Projects</i>				<b>290</b>	-	-	-	-	-	-	-	<b>290</b>	<b>290</b>	-	
<b>Upgrade Projects</b>															
City Wide	5182162073	Field Data Systems Program		110	-	-	-	-	-	-	-	110	110	-	
<i>Sub-Total Upgrade Projects</i>				<b>110</b>	-	-	-	-	-	-	-	<b>110</b>	<b>110</b>	-	
<b>Total All Projects</b>				<b>29,875</b>	-	<b>473</b>	<b>8,185</b>	<b>1,654</b>	-	<b>1,930</b>	-	<b>17,633</b>	<b>17,633</b>	-	

\*DC Debt



**CITY OF HAMILTON**  
**2021 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)	
<b>2021 Sustainable Asset Management Strategy (SAM)</b>								
Rehabilitation, Replacement & Upgrade Projects	75,550	473	226	6,600	2,439	65,812	65,812	-
Projects Coordinated with Roads Program or other Areas	18,100	400	-	500	-	17,200	17,200	-
S.E.R.G. Projects	2,280	-	-	-	-	2,280	2,280	-
Treatment Plant/Outstations Projects-SAM	43,383	-	2,751	-	-	40,632	29,732	<b>10,900</b>
Treatment Plant/Outstations Projects-WQI	1,700	-	-	<b>275</b>	-	1,425	1,425	-
Watermain Lining	7,700	-	-	<b>2,770</b>	-	4,930	30	<b>4,900</b>
<b>Sub-Total</b>	<b>148,713</b>	<b>873</b>	<b>2,977</b>	<b>10,145</b>	<b>2,439</b>	<b>132,279</b>	<b>116,479</b>	<b>15,800</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>								
Treatment Plant/Outstations Projects-WINS	74,203	21,892	6,007	530	12,220	33,554	4,854	28,700
<b>Sub-Total</b>	<b>74,203</b>	<b>21,892</b>	<b>6,007</b>	<b>530</b>	<b>12,220</b>	<b>33,554</b>	<b>4,854</b>	<b>28,700</b>
<b>Master Plan</b>								
Horizontal and Vertical Assets	58,940	1,481	53,193	-	-	4,266	766	<b>3,500</b>
Waterfront Initiatives	500	-	-	-	-	500	500	-
<b>Sub-Total</b>	<b>59,440</b>	<b>1,481</b>	<b>53,193</b>	<b>-</b>	<b>-</b>	<b>4,766</b>	<b>1,266</b>	<b>3,500</b>
<b>Development Program</b>								
Development\Extension Projects	17,555	-	14,785	-	-	2,770	2,770	-
<b>Sub-Total</b>	<b>17,555</b>	<b>-</b>	<b>14,785</b>	<b>-</b>	<b>-</b>	<b>2,770</b>	<b>2,770</b>	<b>-</b>
<b>Total</b>	<b>299,911</b>	<b>24,246</b>	<b>76,962</b>	<b>10,675</b>	<b>14,659</b>	<b>173,369</b>	<b>125,369</b>	<b>48,000</b>

**CITY OF HAMILTON  
2021 - 2030 WATER / WASTEWATER / STORM CAPITAL FINANCING PLAN  
(\$'s)**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<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>2021 - 2030</u>
<b>NET EXPENDITURES FORECAST</b>												
WASTEWATER (NET)	69,573,000	85,937,984	74,224,000	43,873,000	43,978,000	55,168,000	58,610,675	65,134,599	79,927,190	60,178,000	74,363,000	641,394,448
WATER (NET)	50,296,000	69,798,000	79,433,865	67,894,186	76,535,842	89,237,230	81,595,000	69,138,571	71,923,359	105,623,716	112,677,376	823,857,145
STORM (NET)	15,685,000	17,632,679	19,084,321	23,175,000	29,390,000	18,505,000	22,235,000	42,605,000	37,105,000	36,515,000	30,805,000	277,052,000
<b>TOTAL NET EXPENDITURES</b>	<b>135,554,000</b>	<b>173,368,663</b>	<b>172,742,186</b>	<b>134,942,186</b>	<b>149,903,842</b>	<b>162,910,230</b>	<b>162,440,675</b>	<b>176,878,170</b>	<b>188,955,549</b>	<b>202,316,716</b>	<b>217,845,376</b>	<b>1,742,303,593</b>
<b>SOURCE OF FINANCING</b>												
DEBT ISSUES	16,900,000	48,000,000	44,700,000	1,200,000	8,400,000	12,600,000	1,500,000	2,400,000	0	0	0	118,800,000
TRANSFER FROM OPERATING	118,654,000	125,368,663	128,042,186	133,742,186	141,503,842	150,310,230	160,940,675	174,478,170	188,955,549	202,316,716	217,845,376	1,623,503,593
<b>TOTAL CAPITAL FINANCING</b>	<b>135,554,000</b>	<b>173,368,663</b>	<b>172,742,186</b>	<b>134,942,186</b>	<b>149,903,842</b>	<b>162,910,230</b>	<b>162,440,675</b>	<b>176,878,170</b>	<b>188,955,549</b>	<b>202,316,716</b>	<b>217,845,376</b>	<b>1,742,303,593</b>
<b>OPERATING BUDGET IMPACT</b>												
TRANSFER FROM OPERATING	118,654,000	125,368,663	128,042,186	133,742,186	141,503,842	150,310,230	160,940,675	174,478,170	188,955,549	202,316,716	217,845,376	1,623,503,593
DC EXEMPTION FUNDING	8,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	90,000,000
DEBT CHARGES (NET)	19,682,108	20,534,486	26,956,235	31,417,224	34,350,771	36,299,423	36,508,591	34,888,656	32,417,324	32,142,594	29,390,165	314,905,469
<b>TOTAL CAPITAL FINANCING COSTS</b>	<b>146,336,108</b>	<b>154,903,149</b>	<b>163,998,421</b>	<b>174,159,410</b>	<b>184,854,613</b>	<b>195,609,653</b>	<b>206,449,266</b>	<b>218,366,826</b>	<b>230,372,873</b>	<b>243,459,310</b>	<b>256,235,541</b>	<b>2,028,409,062</b>

CITY OF HAMILTON 2021-2030 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
	\$	\$	\$	\$	\$	\$	\$
2021	299,911	299,911	24,246	76,962	25,334	125,369	48,000
2022	281,549	264,651	75	66,548	25,286	128,042	44,700
2023	231,112	224,706	75	68,449	21,240	133,742	1,200
2024-2030	1,589,840	1,738,384	555	462,098	14,480	1,236,351	24,900
<b>TOTAL</b>	<b>2,402,412</b>	<b>2,527,652</b>	<b>24,951</b>	<b>674,057</b>	<b>86,340</b>	<b>1,623,504</b>	<b>118,800</b>

**HAMILTON WATER**  
**2021 RATE SUPPORTED STAFFING SUMMARY**

Deptid	Deptid Description	2020 RESTATED	2021 MAINTENANCE	2021 PROGRAM CHANGES	2021 REQUESTED	2021 REQUESTED vs. 2020 RESTATED
510200	Director Hamilton Water	3.00	3.00	0.00	3.00	0.00
510203	WWW Operations Director	2.00	2.00	0.00	2.00	0.00
510205	Woodward Upgrades	11.00	11.00	<b>1.00</b>	12.00	1.00
510206	Inventory & Fleet Management	7.00	7.00	0.00	7.00	0.00
510210	Customer Service & Community Outreach	2.00	2.00	0.00	2.00	0.00
510215	Education & Outreach *	5.65	4.65	<b>1.00</b>	5.65	0.00
510220	Service Co-ordination	21.00	21.00	<b>1.00</b>	22.00	1.00
510230	Engineering Systems & Data Collection	9.00	9.00	0.00	9.00	0.00
510240	Compliance & Regulations	8.00	8.00	0.00	8.00	0.00
510250	Laboratory Services	25.00	25.00	0.00	25.00	0.00
510260	Environmental Monitoring & Enforcement	15.00	15.00	<b>1.00</b>	16.00	1.00
510270	Water Distribution (WD) & Wastewtr Collection (WWC)	5.00	5.00	0.00	5.00	0.00
510275	WD & WWC Contracts	26.00	26.00	<b>2.00</b>	28.00	2.00
510280	WD & WWC Construction	20.00	20.00	0.00	20.00	0.00
510285	WD & WWC Maintenance	19.00	19.00	<b>4.00</b>	23.00	4.00
510290	WD & WWC Operations	22.00	22.00	0.00	22.00	0.00
510300	WWW Planning & Capital Director	2.00	2.00	0.00	2.00	0.00
510305	Sustainable Initiatives	7.00	7.00	0.00	7.00	0.00
510310	Plant Operations & Maintenance	6.00	6.00	0.00	6.00	0.00
510320	Plant Maintenance & Technical Services	1.00	1.00	0.00	1.00	0.00
510321	Plant Maintenance	25.00	25.00	<b>3.00</b>	28.00	3.00
510322	Plant SCADA	6.00	6.00	0.00	6.00	0.00
510323	Plant Technical Services	3.00	3.00	0.00	3.00	0.00
510330	Plant Operations	44.00	44.00	0.00	44.00	0.00
510340	Capital Delivery	12.00	12.00	<b>1.00</b>	13.00	1.00
510350	Infrastructure Planning and System Design	19.00	19.00	0.00	19.00	0.00
<b>Total RATE Supported Staff</b>		<b>325.65</b>	<b>324.65</b>	<b>14.00</b>	<b>338.65</b>	<b>13.00</b>

**Note:** \* Council approved a 5-year temporary Project Manager - Outreach & Education position in 2016 (Report - PW16054).

## 2021 Rate Budget - Business Case Summary

DEPARTMENT: Public Works

DIVISION	SERVICE / PROGRAM	DESCRIPTION OF PROGRAM ENHANCEMENT	2021 IMPACT			ANNUALIZED IMPACT
			\$ GROSS	\$ NET	FTE Impact	\$ NET
Hamilton Water	Compliance & Regulations	Environmental Enforcement Officer to support the existing Emergency Spills Response Program.	\$ 103,500	\$ 13,500	1.00	\$ 13,500
Hamilton Water	Capital Delivery	Capital Delivery Technologist to support increased project demands and continuous improvement initiatives.	\$ 103,500	\$ 103,500	1.00	\$ 103,500
Hamilton Water	Customer Service & Community Outreach	Project Manager - Outreach & Education was approved on a temporary basis in 2016 (Report - PW16054) and requested to report back in 2021 NOTE: Council approved a 5 year temporary assignment and requested we report back in 2021	\$ 117,000	\$ -	1.00	\$ -
Hamilton Water	Customer Service & Community Outreach	Backwater Prevention Officer to support the increased volume of program work.	\$ 139,000	\$ 84,000	1.00	\$ 84,000
Hamilton Water	Project Management Office	Capital Budget Coordinator to support increased capital project charters and project updates.	\$ 99,000	\$ 99,000	1.00	\$ 99,000
Hamilton Water	Wastewater Collection	Two Stormwater Technologists to develop and manage the stormwater and drainage program.	\$ 307,000	\$ (330,000)	2.00	\$ (330,000)
Hamilton Water	Water Distribution	Water Distribution Construction Crew (WD Operator, Backhoe OIT, AZ Truck Driver OIT, and Labourer OIT) to support the Substandard Water Service Replacement Program	\$ 1,160,000	\$ -	4.00	\$ -
Hamilton Water	Woodward Upgrades Operational Support	Electrician, Instrumentation Technician, and Millwright required to support Woodward Upgrades Project	\$ 333,000	\$ 333,000	3.00	\$ 333,000
<b>Divn Subtotal</b>			<b>\$ 2,362,000</b>	<b>\$ 303,000</b>	<b>14.00</b>	<b>\$ 303,000</b>
<b>DEPARTMENT TOTAL</b>			<b>\$ 2,362,000</b>	<b>\$ 303,000</b>	<b>14.00</b>	<b>\$ 303,000</b>

TOTAL NET Impact = net annualized (full year) amount - please state under "Description of Program Enhancement" if other revenue sources will be used to offset the cost of the program change (therefore identify gross cost); also please identify if 2021 calendar (part-year) impact is significantly different due to delayed implementation.