



**GENERAL ISSUES COMMITTEE
(2020 RATE BUDGET)
REPORT 19-025**

9:30 a.m.
Monday, November 25, 2019
Council Chambers
Hamilton City Hall
71 Main Street West

Present: Deputy Mayor M. Wilson
Councillors J. Farr, N. Nann, C. Collins, T. Jackson, E. Pauls, J.P. Danko,
B. Clark, M. Pearson, L. Ferguson, A. VanderBeek

Absent: Mayor F. Eisenberger – Other City Business
Councillors B. Johnson, J. Partridge and S. Merulla – Other City Business
Councillor T. Whitehead – Personal

**THE GENERAL ISSUES COMMITTEE PRESENTS REPORT 19-025 AND
RESPECTFULLY RECOMMENDS:**

1. **Alectra Utilities Water, Wastewater and Storm 2019 Service Activity Report (FCS19069) (City Wide) (Item 8.1)**

That Report FCS19069, respecting Alectra Utilities Water, Wastewater and Storm 2019 Service Activity Report, be received.

2. **2020 Recommended Water, Wastewater and Stormwater Budget (FCS19070) (City Wide) (Item 8.2)**

- (a) That the metered water consumption charges for residential properties in the City of Hamilton be imposed at the following rates, effective January 1, 2020:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.83
10 +	1.64

- (b) That the metered water consumption charge for commercial, industrial, institutional and multi-residential (bulk meter) properties in the City of Hamilton be imposed at the rate of \$1.64 per cubic metre, effective January 1, 2020;
- (c) That daily water fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2020:

Meter Size	Daily Water Rate
15 mm	\$0.37
16 mm	\$0.37
20 mm	\$0.37
21 mm	\$0.37
25 mm	\$0.93
38 mm	\$1.85
50 mm	\$2.96
75 mm	\$5.92
100 mm	\$9.25
150 mm	\$18.50
200 mm	\$29.60
250 mm	\$42.55
300 mm	\$62.90

- (d) That the wastewater / storm treatment charges for residential properties in the City of Hamilton be imposed at the following rates, effective January 1, 2020:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.88
10 +	1.75

- (e) That the wastewater / storm treatment charge for all commercial, industrial, institutional and multi-residential (bulk meter) properties in the

City of Hamilton be imposed at the rate of \$1.75 per cubic metre, effective January 1, 2020;

- (f) That daily wastewater /storm fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2020:

Meter Size	Daily Wastewater / Storm Rate
15 mm	\$0.39
16 mm	\$0.39
20 mm	\$0.39
21 mm	\$0.39
25 mm	\$0.98
38 mm	\$1.95
50 mm	\$3.12
75 mm	\$6.24
100 mm	\$9.75
150 mm	\$19.50
200 mm	\$31.20
250 mm	\$44.85
300 mm	\$66.30

- (g) That the residential non-metered annual water rate be imposed at the flat rate of \$594.95 per annum, effective January 1, 2020;
- (h) That the residential non-metered annual wastewater / storm rate be imposed at the flat rate of \$638.75 per annum, effective January 1, 2020;
- (i) That the residential combined non-metered annual water and wastewater / storm rate be imposed at the flat rate of \$1,233.70 per annum, effective January 1, 2020;
- (j) That the Private Fire Line rates be imposed at the following rates, effective January 1, 2020:

Connection Size		Monthly Rate
mm	inches	
25	1.0	\$3.60
38	1.5	\$8.28
50	2.0	\$14.40
75	3.0	\$32.40
100	4.0	\$57.60

150	6.0	\$129.60
200	8.0	\$230.40
250	10.0	\$230.40
300	12.0	\$230.40

- (k) That the 2020 Water, Wastewater and Storm Proposed User Fees and Charges be imposed as per Appendix "A", as amended, to Report 19-025, effective January 1, 2020;
- (l) That charges for raw water supplied to 690 Strathearne Avenue North by the City of Hamilton be imposed at the following rates, effective January 1, 2020:
- (i) metered raw water at the rate of \$0.123 per cubic metre;
- (ii) daily raw water fixed charges at the following rates:

Meter Size	Daily Rate
200 mm	\$31.20

- (iii) 2020 annual fee of \$18,500 for the purpose of a private raw water pipeline owned by AMLPC to convey raw water supplied by the City to 690 Strathearne Avenue North;
- (m) That the 2020 Water, Wastewater and Stormwater Rate Supported Operating Budget in the amount of \$233,011,802 be approved as per Appendix "B", as amended, to Report 19-025;
- (n) 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 2020-2029 Water, Wastewater and Stormwater Rate Supported Operating Budget forecast (Appendix "B", as amended, to Report 19-025) be approved, in principle;
- (o) That the 2020 Water, Wastewater and Stormwater Rate Supported Capital Budget and Financing Plan in the amount of \$329,981,000 be approved as per Appendices "C", "D", as amended, and "F", to Report 19-025;
- (p) That the 2020-2029 Water, Wastewater and Stormwater Rate Supported Capital Budget forecast and financing plan (Appendix "G" to Report 19-025) be approved, in principle;

- (q) That the City Solicitor be authorized and directed to prepare, for Council approval, all necessary by-laws respecting the 2020 water and wastewater / storm user fees, charges and rates set out in recommendations (a) through (l) of Report FCS19070;
- (r) That the additional 12.0 Full Time Equivalent Rate Supported Staffing be approved as per Appendix "H", as amended, to Report 19-025;
- (s) That the General Manager, Finance and Corporate Services, be authorized to negotiate and confirm the terms and placement 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 \$83,678,000 as attached in Appendices "C", "D", as amended, and "E" to Report 19-025, which includes \$16,900,000 in Rate Supported municipal debt and \$66,778,000 in Rate Supported Development Charges municipal debt;
- (t) 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 subsection (s) including, but not limited to, external legal counsel, fiscal agents and Infrastructure Ontario's Loan Program;
- (u) 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) and (t), in a form satisfactory to the City Solicitor;
- (v) 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) and (t), in a form satisfactory to the City Solicitor and with content acceptable to the General Manager, Finance and Corporate Services; and,
- (w) That all necessary By-Law(s) be passed to authorize the debenture issue(s) negotiated, placed and secured, as they relate to the 2020 Water, Wastewater and Stormwater Budget, in accordance with subsections (s) and (t) to Report FCS19070.

FOR INFORMATION:

(a) APPROVAL OF AGENDA (Item 2)

The Committee Clerk advised of the following change to the agenda:

1. DELEGATION REQUESTS (Item 5)

- (i) Don McLean, respecting Item 8.2 on this agenda – Report FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget.

The agenda for the November 25, 2019 General Issues Committee (Rate Budget) meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 3)

There were no declarations of interest.

(c) PUBLIC HEARING / DELEGATIONS (Item 7)

- (i) **Don McLean, respecting Item 8.2 on this agenda – Report FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget Item (Item 7.1)**

Don McLean addressed Committee respecting Report FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget.

The delegation, respecting Report FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget, was received.

(d) STAFF PRESENTATIONS (Item 8)

- (i) **Alectra Utilities Water, Wastewater and Storm 2019 Service Activity Report (FCS19069) (City Wide) (Item 8.1)**

Eileen Campbell, Vice President of Customer Service, Alectra Utilities, addressed Committee and provided a PowerPoint presentation respecting Report FCS19069 - Alectra Utilities Water, Wastewater and Storm 2019 Service Activity Report, and answered questions of Committee.

The presentation, respecting Report FCS19069 - Alectra Utilities Water, Wastewater and Storm 2019 Service Activity Report, was received.

A copy of the presentation is available on the City's website at www.hamilton.ca or through the Office of the City Clerk.

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

(ii) 2020 Recommended Water, Wastewater and Stormwater Budget (FCS19070) (City Wide) (Item 8.2)

Andrew Grice, Director of Hamilton Water; and, Brian McMullen, Director, Financial Planning & Policy, provided a PowerPoint presentation respecting Report FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget, and answered questions of Committee.

The presentation, respecting Item FCS19070 - 2020 Recommended Water, Wastewater and Stormwater Budget, was received.

A copy of the presentation is available on the City's website at www.hamilton.ca or through the Office of the City Clerk.

The following Deferral Motion was DEFEATED:

(1) Enhanced Inspections and Monitoring - Hamilton Water and Wastewater

That the Motion, respecting Enhanced Inspections and Monitoring - Hamilton Water and Wastewater, be DEFERRED to the next GIC Rate Budget meeting.

The following Motion CARRIED, and the amendments were included in the recommendations of Report FCS19070, and were also reflected in the appropriate appendices, for Council's consideration:

WHEREAS, Hamilton Water operates 2 wastewater treatment plants, 71 wastewater pumping stations, 9 combined sewer overflow tanks, 1 water treatment plant, 21 water pumping stations, 13 reservoirs, 7 water towers, and 4 well systems, and;

WHEREAS, Hamilton Water is heavily reliant on automated systems to remotely monitor facility and process operations, including the identification of operational problems.

THEREFORE, BE IT RESOLVED:

- (a) That Appendix “F” to Report FCS19070, respecting 2020 Recommended Water, Wastewater and Stormwater Budget, be amended by adding 5 additional Full Time Equivalent Rate Supported staff consisting of the following:
 - (i) 4 (four) Maintenance Operators to improve the routine physical inspection and preventative maintenance programs for Hamilton Water infrastructure including water and wastewater treatment plants, pumping stations, reservoirs, water towers, well systems and combined sewer overflow tanks, at a gross annual cost of \$383,000;
 - (i) 1 (one) Water Quality Technologist to sample and analyse water and wastewater quality, and equipment/process related data, at a gross annual cost of \$114,000;
- (b) That staff be directed to report back to the Public Works Committee 1 (one) year after implementation of the additional 5 FTEs, for the maintenance of the water and wastewater facilities/equipment and water quality control, with information regarding the program improvements and the associated benefits that have been realized;
- (c) That staff be directed to include, in the new real time public notice protocol, the 14 monitored CSO overflow points for discharge to the natural environment; and,
- (d) That staff be directed to report back to the Public Works Committee in 6 months with a matrix, stakeholder / partnership arrangements and testing locations, as it relates to enhanced inspections and monitoring for Hamilton water and wastewater.

The following Motion CARRIED, and the amendments were included in the recommendations of Report FCS19070, and were

also reflected in the appropriate appendices, for Council's consideration:

WHEREAS, the City's 2019 Development Charge (DC) Background Study in Table F-3 in the Airport Employment Growth District (AEGD) section had listed Project ID MH22-S-19 (HC019 and HC018 Upgrade Strategy) in the amount of \$10.9M (100% growth - split of 63% residential and 37% non-residential, linear wastewater);

WHEREAS, City Council, at its meeting of December 13, 2018, had approved \$11M be added to the City's 2019 Rates Capital Budget (funded \$6.93M from the City's Linear Wastewater Residential DC Reserve 110340 and \$4.07M from the City's Linear Wastewater Non-Residential DC Reserve 110341); and,

WHEREAS, City staff and Engineering Consultants GM BluePlan Engineering Limited have upgraded the strategy for 2020 to maximize the wastewater capacity as it relates to the proposed developments in the AEGD and surrounding developments;

THEREFORE, BE RESOLVED:

That increased funding in the amount of \$4M be added to the 2020 Recommended Water, Wastewater and Stormwater Capital Budget (Project ID 5161967123 – AEGD Growth Initiatives); increasing the Rate Supported 2020 Capital Budget Recommended amount from \$325,981,000 to \$329,981,000, to be funded as follows:

- (i) \$2,520,000 from the City's Linear Wastewater Residential DC Reserve 110340; and,
- (ii) \$1,480,000 from the City's Linear Wastewater Non-Residential DC Reserve 110341.

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

(f) ADJOURNMENT (Item 5)

There being no further business, the General Issues Committee adjourned at 1:27 p.m.

Respectfully submitted,

Deputy Mayor M. Wilson
Chair, General Issues Committee

Stephanie Paparella
Legislative Coordinator,
Office of the City Clerk

CITY OF HAMILTON
2020 WATER AND WASTEWATER/STORM FEES AND CHARGES
Effective January 1, 2020

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	\$ 0.37	\$ 0.39
16 mm	\$ 0.37	\$ 0.39
20 mm	\$ 0.37	\$ 0.39
21 mm	\$ 0.37	\$ 0.39
25 mm	\$ 0.93	\$ 0.98
38 mm	\$ 1.85	\$ 1.95
50 mm	\$ 2.96	\$ 3.12
75 mm	\$ 5.92	\$ 6.24
100 mm	\$ 9.25	\$ 9.75
150 mm	\$ 18.50	\$ 19.50
200 mm	\$ 29.60	\$ 31.20
250 mm	\$ 42.55	\$ 44.85
300 mm	\$ 62.90	\$ 66.30

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.

		Residential	Multi- Residential, Commercial, Institutional & Industrial
Consumption Block	Monthly Water Consumption (m3)	Rate (\$/m3)	Rate (\$/m3)
1	0-10	0.83	1.64
2	>10	1.64	1.64

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.

		Residential	Multi- Residential, Commercial, Institutional & Industrial
Treatment Block	Monthly Water Consumption (m3)	Rate (\$/m3)	Rate (\$/m3)
1	0-10	0.88	1.75
2	>10	1.75	1.75

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

Flat Rate Water Customers Annual Rate: \$594.95

Flat Rate Wastewater/Storm Customers Annual Rate: \$638.75

Combined Flat Rate Water & Wastewater/Storm Customers Annual Rate: \$1,233.70

City of Hamilton - 2020 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	\$ 3.60
38	1.5	\$ 8.28
50	2	\$ 14.40
75	3	\$ 32.40
100	4	\$ 57.60
150	6	\$ 129.60
200	8	\$ 230.40
250	10	\$ 230.40
300	12	\$ 230.40

2020 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	2019 Including HST (If applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (If applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	47220	1	WATER DISTRIBUTION						
				Water Meter Permit Fee						
				Note: Charged for first-time meter installations. Includes supply and installation of water meter and remote reading device by City and related inspection.						
			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	\$886.76	\$905.08	n	\$905.08	2.1%	To achieve 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 Turbine	\$1,384.60	\$1,409.67	n	\$1,409.67	1.8%	To achieve full cost recovery
			1h)	50mm Compound	\$3,316.40	\$3,316.40	n	\$3,316.40	0.0%	Current fee achieves full cost recovery
			1i)	100mm Turbine	\$3,870.13	\$3,870.13	n	\$3,870.13	0.0%	Current fee achieves full cost recovery
			1j)	100mm Compound	\$5,206.07	\$5,304.84	n	\$5,304.84	1.9%	To achieve full cost recovery
			1k)	100mm Fire Service Turbine	\$6,637.49	\$6,759.21	n	\$6,759.21	1.8%	To achieve full cost recovery
			1l)	100mm Fire Service Compound	\$8,624.85	\$8,787.29	n	\$8,787.29	1.9%	To achieve full cost recovery
			1m)	100mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$8,899.76	\$9,067.33	n	\$9,067.33	1.9%	To achieve full cost recovery
			1n)	100mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operation)	\$9,297.22	\$9,472.19	n	\$9,472.19	1.9%	To achieve full cost recovery
			1o)	150mm Turbine	\$7,467.78	\$7,608.67	n	\$7,608.67	1.9%	To achieve full cost recovery
			1p)	150mm Compound	\$10,226.88	\$10,419.16	n	\$10,419.16	1.9%	To achieve full cost recovery
			1q)	150mm Fire Service Turbine	\$11,028.42	\$11,235.65	n	\$11,235.65	1.9%	To achieve full cost recovery
			1r)	150mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$11,186.31	\$11,396.47	n	\$11,396.47	1.9%	To achieve full cost recovery
			1s)	150mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operation)	\$12,334.54	\$12,566.10	n	\$12,566.10	1.9%	To achieve full cost recovery
			1t)	150mm Fire Service Compound	\$13,954.24	\$14,215.97	n	\$14,215.97	1.9%	To achieve full cost recovery
			1u)	200mm Turbine	\$8,998.80	\$9,187.68	n	\$9,187.68	2.1%	To achieve full cost recovery
			1v)	200mm Compound	\$12,097.96	\$12,344.57	n	\$12,344.57	2.0%	To achieve full cost recovery
			1w)	200mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$12,041.98	\$12,268.08	n	\$12,268.08	1.9%	To achieve full cost recovery
			1x)	200mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operation)	\$13,160.41	\$13,407.34	n	\$13,407.34	1.9%	To achieve full cost recovery
			1y)	200mm Fire Service Turbine	\$14,171.75	\$14,437.52	n	\$14,437.52	1.9%	To achieve full cost recovery
			1z)	200mm Fire Service Compound	\$19,092.63	\$19,450.06	n	\$19,450.06	1.9%	To achieve full cost recovery
			1aa)	250mm Turbine	\$15,496.05	\$15,785.99	n	\$15,785.99	1.9%	To achieve full cost recovery
			1ab)	250mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$14,415.75	\$14,686.07	n	\$14,686.07	1.9%	To achieve full cost recovery
			1ac)	250mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operation)	\$17,063.33	\$17,382.96	n	\$17,382.96	1.9%	To achieve full cost recovery
			1ad)	250mm Fire Service Turbine	\$19,312.34	\$19,673.87	n	\$19,673.87	1.9%	To achieve full cost recovery
			1ae)	250mm Fire Service Compound	\$24,832.75	\$25,297.11	n	\$25,297.11	1.9%	To achieve full cost recovery
			1af)	Radio Remote Read Equipment Installation	\$209.80	\$214.63	n	\$214.63	2.3%	To achieve full cost recovery
R84-026	510220	45519	2	Water Meter Removal Fee						
				Note: Cost to remove a meter prior to the building being demolished and/or the water service being decommissioned or abandoned. Failure to have the meter removed prior to the building being demolished will incur a meter replacement cost charge. Does not include a turn water off fee, which is required and charged separately as per Section 14 of this schedule.						
			2a)	16mm Displacement	\$123.62	\$112.87	y	\$127.54	3.2%	To achieve full cost recovery
			2b)	20mm Displacement	\$123.62	\$112.87	y	\$127.54	3.2%	To achieve full cost recovery
			2c)	21mm Displacement	\$123.62	\$112.87	y	\$127.54	3.2%	To achieve full cost recovery
			2d)	25mm Displacement	\$123.62	\$112.87	y	\$127.54	3.2%	To achieve full cost recovery
R84-026	510220	45519	2e)	38mm - 250mm Meters (cost depends on size, labour, and meter location)	Cost + 10% OH	Cost + 10% OH	y	Cost + 10% OH	N/A	
			3	Water Meter Inspection Services						
				Note: Cost for customer requested service relating to meter investigation						
			3a)	Regular Hours Inspection	\$123.70	\$115.86	y	\$130.92	5.8%	To achieve full cost recovery
			3b)	After Hours Inspection	\$161.95	\$151.73	y	\$171.45	5.9%	To achieve full cost recovery

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

*For general inquiries, please call (905) 645-4428 between 8:30am - 4:30pm

2020 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	2019 Including HST (If applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (If applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	45608	4	Replacement Cost for Lost Meter Note: Cost to replace a meter that has been lost, stolen or damaged. Includes meter, installation and administrative costs.						
			4a)	15mm Displacement	\$244.00	\$221.75	y	\$250.58	2.7%	To achieve full cost recovery
			4b)	16mm Displacement	\$244.00	\$221.75	y	\$250.58	2.7%	To achieve full cost recovery
			4c)	20mm Displacement	\$379.31	\$342.24	y	\$386.73	2.0%	To achieve full cost recovery
			4d)	21mm Displacement	\$379.31	\$342.24	y	\$386.73	2.0%	To achieve full cost recovery
			4e)	25mm Displacement	\$436.70	\$393.97	y	\$445.19	1.9%	To achieve full cost recovery
			4f)	38mm Displacement	\$1,205.02	\$1,082.62	y	\$1,223.36	1.5%	To achieve full cost recovery
			4g)	50mm Turbine	\$1,465.95	\$1,297.30	y	\$1,465.95	0.0%	Current fee achieves 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	\$3,264.15	y	\$3,688.50	0.0%	Current fee achieves 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	\$8,047.63	\$7,212.18	y	\$8,149.76	1.3%	To achieve full cost recovery
			4m)	100mm Fire Service Compound	\$9,947.30	\$8,855.57	y	\$10,006.80	0.6%	To achieve full cost recovery
			4n)	100mm Magnetic Flow Meter	\$10,972.29	\$9,855.25	y	\$11,136.43	1.5%	To achieve full cost recovery
			4o)	100mm Fire Rated Magnetic Flow Meter	\$11,229.75	\$10,290.10	y	\$11,627.81	3.5%	To achieve full cost recovery
			4p)	150mm Turbine	\$6,787.25	\$6,006.42	y	\$6,787.25	0.0%	Current fee achieves full cost recovery
			4q)	150mm Compound	\$10,328.00	\$9,139.82	y	\$10,328.00	0.0%	Current fee achieves full cost recovery
			4r)	150mm Fire Service Turbine	\$12,234.06	\$10,968.91	y	\$12,394.87	1.3%	To achieve full cost recovery
			4s)	150mm Fire Service Compound	\$15,540.23	\$13,949.23	y	\$15,762.63	1.4%	To achieve full cost recovery
			4t)	150mm Magnetic Flow Meter	\$12,255.20	\$10,918.06	y	\$12,337.41	0.7%	To achieve full cost recovery
			4u)	150mm Fire Rated Magnetic Flow Meter	\$13,611.70	\$12,170.80	y	\$13,753.00	1.0%	To achieve full cost recovery
			4v)	200mm Turbine	\$7,340.19	\$6,570.69	y	\$7,424.88	1.2%	To achieve full cost recovery
			4w)	200mm Compound	\$11,551.00	\$10,222.12	y	\$11,551.00	0.0%	Current fee achieves full cost recovery
			4x)	200mm Fire Service Turbine	\$16,119.89	\$14,454.48	y	\$16,333.56	1.3%	To achieve full cost recovery
			4y)	200mm Fire Service Compound	\$21,679.46	\$19,466.10	y	\$21,996.69	1.5%	To achieve full cost recovery
			4z)	200mm Magnetic Flow Meter	\$14,696.83	\$13,177.47	y	\$14,890.54	1.3%	To achieve full cost recovery
			4aa)	200mm Fire Rated Magnetic Flow Meter	\$16,050.38	\$14,395.02	y	\$16,266.37	1.3%	To achieve full cost recovery
			4ab)	250mm Turbine	\$12,754.60	\$11,424.07	y	\$12,909.20	1.2%	To achieve full cost recovery
			4ac)	250mm Magnetic Flow Meter	\$14,766.00	\$13,336.65	y	\$15,070.41	2.1%	To achieve full cost recovery
			4ad)	250mm Fire Rated Magnetic Flow Meter	\$17,726.90	\$16,225.00	y	\$18,334.25	3.4%	To achieve full cost recovery
			4ae)	250mm Fire Service Turbine	\$20,293.29	\$18,219.75	y	\$20,588.32	1.5%	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	\$462.97	\$419.15	y	\$473.64	2.3%	To achieve full cost recovery
			4ah)	100mm Strainer	\$858.46	\$775.66	y	\$876.50	2.1%	To achieve full cost recovery
			4ai)	150mm Strainer	\$1,374.34	\$1,240.69	y	\$1,401.98	2.0%	To achieve full cost recovery
			4aj)	200mm Strainer	\$2,336.25	\$2,107.80	y	\$2,381.81	2.0%	To achieve 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	Bench Testing Water Meters Note: Cost to have a water meter tested for accuracy. If the meter tests within the accuracy standards as set out by AWWA then the property owner is responsible for the cost of the test and the replacement cost of the water meter; otherwise cost borne by the City. Fee includes removal of existing meter and installation of replacement meter.						
			5a)	15 mm & 16 mm Diameter	\$348.80	\$314.56	y	\$355.45	1.9%	To achieve full cost recovery
			5b)	16-25mm Diameter - Test where meter has been removed from service within prior 90 days	\$144.19	\$130.39	y	\$147.34	2.2%	To achieve full cost recovery
			5c)	20 mm Diameter	\$400.27	\$362.87	y	\$410.04	2.4%	To achieve full cost recovery
			5d)	25 mm Diameter	\$457.67	\$414.60	y	\$468.50	2.4%	To achieve full cost recovery
			5e)	38 mm Diameter	\$994.38	\$914.18	y	\$1,033.02	3.9%	To achieve 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)	\$1,014.29	\$930.42	y	\$1,051.37	3.7%	To achieve full cost recovery

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

For general inquiries, please call (905) 549-4428 between 9:30am - 4:30pm.

2020 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	2019 Including HST (If applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (If applicable)	% Fee Change	Basis for Fee Increase or Decrease
10-103	510220	45644	6	Backflow Prevention Program Note: Costs for contractor registration fee, administration fees for processing backflow prevention test reports and survey forms.						
			6a)	Annual Program Registration Fee	\$150.89	\$134.96	y	\$152.51	1.1%	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)	\$179.16	\$160.28	y	\$181.12	1.1%	To achieve full cost recovery
			6d)	Backflow Prevention Device Investigation - Regular Hours	\$159.10	\$142.12	y	\$160.60	0.9%	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	Construction Water Note: Charge for unmetered water used for construction prior to meter installation. Paid at the time of submitting building permit payment.						
			7a)	Single Residential (per lot or townhouse)	\$95.05	\$100.00	n	\$100.00	5.2%	Equal to variable water rate increase
			7b)	Multi-residential (per apartment/condo unit)	\$44.45	\$46.75	n	\$46.75	5.2%	Equal to variable water rate increase
			7c)	Industrial/Commercial/Institutional (\$/1,000 sqft of building area or \$/ha where no structure is constructed)	\$31.20	\$32.80	n	\$32.80	5.1%	Equal to variable water rate increase
			8	Hydrant/Road Adaptor Fees Note: Costs to install or remove water meter & backflow prevention device. When moving a hydrant/road adaptor from one site to another for the same customer, both removal & installation fees apply. This service requires a usage deposit and a damage deposit.						
R84-026	514330	41208	8a)	Usage Cost (Metered Hauled Water Rate/m³)	\$2.35	\$2.45	n	\$2.45	4.3%	Rate is 1.5x volumetric water rate
R84-026	514330	41209	8b)	Hydrant/Road Adaptor Connection/Disconnection Fee (Regular Hours-Fee for Both Services)	\$145.90	\$146.94	n	\$146.94	0.7%	To achieve full cost recovery
R84-026	514330	41209	8c)	Hydrant/Road Adaptor Connection/Disconnection Fee (After Hours/Emergency-Fee for Both S	\$274.40	\$276.71	n	\$276.71	0.8%	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	\$81.30	\$82.56	n	\$82.56	1.5%	To achieve full cost recovery
R84-026	514330	41209	8g)	Per Diem hydrant/road adaptor rental fee after initial 7 days	\$6.02	\$6.13	n	\$6.13	1.8%	To achieve full cost recovery
R84-026	514330	47244	9	Private Water Station Agreement Fees Annual Renewal	\$357.80	\$386.22	n	\$386.22	7.9%	To achieve full cost recovery
R84-026	514330	47232	10	Water Haulage Fees						
			10a)	Annual Water Haulage Permit Fee Note: Annual license fee to utilize the City's public filling stations.	\$64.78	\$57.44	y	\$64.91	0.2%	No cards issued, Online Registration
			10b)	Account review Note: Costs charged for administrative services to provide customer account information for personal or taxation purposes.	\$99.08	\$87.91	y	\$99.34	0.3%	To achieve full cost recovery
R84-026	510220	45519	11	General Administration Fees						
			11a)	General Administrative Requests (per hour)/Report Requests	\$77.64	\$69.16	y	\$78.15	0.7%	To achieve full cost recovery
			11b)	Permit Cancellation administrative fee	\$46.36	\$41.14	y	\$46.49	0.3%	To achieve full cost recovery
			11c)	Permit Renewal Fee	\$46.36	\$41.14	y	\$46.49	0.3%	To achieve full cost recovery
			11d)	Lead Line Replacement Loan Application Fee	\$58.04	\$51.60	y	\$58.31	0.5%	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	\$20.00	y	\$22.60	0.0%	Current fee achieves full cost recovery
			11g)	Water Shut-off Notice on Door	\$28.25	\$28.25	y	\$31.92	13.0%	To achieve full cost recovery

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

For general inquiries, please call (905) 546-4428 between 8:30am - 4:30pm

2020 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	2019 Including HST (If applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (If applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026			12	Water Inspection Services Note: Costs associated with various permit and inspection services related to water services for properties.						
	514330	47235	12a)	Private Water Service Repair/Replacement Inspection (Reg Hours - Max 1 Hour Total	\$105.06	\$93.45	y	\$105.60	0.5%	Cost recovery - .01 for CS processing
	514330	47235	12b)	Private Water Service Repair/Replacement Inspection (After Hours /Emerg - Max 1 Hour	\$177.60	\$158.36	y	\$178.95	0.8%	Cost recovery + .01 for CS processing
	514330	45690	12c)	Water Service Abandonment Inspection (Regular Hours - Max 1 Hour Total Labour)	\$93.73	\$83.47	y	\$94.32	0.6%	To achieve full cost recovery
	514330	45690	12d)	Water Service Abandonment Inspection (After Hours / Emergency - Max 1 Hour Total	\$166.32	\$148.36	y	\$167.65	0.8%	To achieve full cost recovery
	514330	45690	12e)	Water Service Inspection for Demolition (Regular Hours - Max 1 Hour Total Labour)	\$93.73	\$83.47	y	\$94.32	0.6%	To achieve full cost recovery
	514330	45690	12f)	Water Service Inspection for Demolition (After Hours / Emergency - Max 1 Hour Total	\$166.32	\$148.36	y	\$167.65	0.8%	To achieve full cost recovery
	514330	45690	12g)	Missed or Cancelled Inspection	\$68.25	\$60.65	y	\$68.53	0.4%	To achieve full cost recovery
R84-026	514330	45690	13	Upsize Public Portion Water Service from 20mm to 25mm 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.	\$150.00	\$155.00	n	\$155.00	3.3%	To achieve full cost recovery
R84-026	514330	45679	14	Turning Water Off or On Note: Turning water off at the curb to enable a property owner to complete internal plumbing repairs, or a private water service repair or replacement, and then turning the water back on.						
			14a)	Turning Water On/Off (Regular Hours)	\$123.35	\$124.10	n	\$124.10	0.6%	Cost recovery - .02 for CS processing
			14b)	Turning Water On/Off (After Hours/Emergency)	\$206.70	\$208.25	n	\$208.25	0.7%	Cost recovery - .01 for CS processing
			14c)	Turning Water On/Off During the Same Visit (Regular Hours - Max 1/2 Hour Total Labour)	\$82.95	\$83.47	n	\$83.47	0.6%	To achieve full cost recovery
			14d)	Labour	\$113.35	\$114.13	n	\$114.13	0.7%	To achieve full cost recovery
			14e)	Non-compliance Turn Water Off	\$82.95	\$83.47	n/n	\$83.47	0.6%	To achieve full cost recovery
			14f)	Non-compliance Turn Water On	\$82.95	\$83.47	n	\$83.47	0.6%	To achieve full cost recovery
R84-026	514330	45636	15	Hydrant Flow Test / Water Quality Flushing Note: Cost to operate a City Fire Hydrant(s) for a maximum of 1 hour total labour.	\$103.94	\$106.29	y	\$120.11	15.6%	Labour inc .3 hrs for cost recovery
R84-026	514330	45690	16	Water Quality/Quantity Service Calls Note: Cost for a service call to investigate a water quality/quantity complaint and the issue resides on private property. No charge for water quality/quantity complaints related to issues originating from the City's distribution system. <u>Missed appointments will be billed the corresponding service call rate.</u>						
			16a)	Service Call (Regular Hours - Max 1 Hour Total Labour)	\$93.73	\$83.47	y	\$94.32	0.6%	To achieve full cost recovery
			16b)	Service Call (After Hours - Max 1 Hour Total Labour)	\$166.32	\$148.36	y	\$167.65	0.8%	To achieve full cost recovery
R84-026	510290	45690	17	Hydrant Repair, Replace or Relocate Note: Cost to repair, replace, or relocate a City Fire Hydrant including labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
R84-026	514330	45690	18	Watermain Shutdowns Note: Costs associated with isolating a watermain to facilitate third party work.						
			18a)	Watermain Shutdown / Recharge (Regular Hours-Maximum 1 Hour Total Labour)	\$128.07	\$129.11	n	\$129.11	0.8%	To achieve full cost recovery
			18b)	Watermain Shutdown / Recharge (After Hours / Emergency-Maximum 1 Hour Total Labour)	\$230.54	\$232.49	n	\$232.49	0.8%	To achieve full cost recovery
R84-026	510350	45408	19	Environmental Records Search PRISM Reports related to soil contamination Reports - Environmental Assessments and Master Plans - plus fee per page	\$177.04 \$17.40 \$0.11	\$159.80 \$15.71 \$0.10	y y y	\$180.58 \$17.75 \$0.12	2.0% 2.0% 2.0%	2% allowed for inflation 2% allowed for inflation 2% allowed for inflation
R84-026	514330	45690	20	Miscellaneous Water Distribution System Repair Note: Cost for the City to repair damage to the water distribution system caused by a third party. Costs include labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
R84-026	514330	45690	21	Additional Labour Charges Note: Additional labour charge for all services/calls that exceed the allotted labour time. Costs are for a single Water Distribution Operator in minimum increments of 30 minutes.						
			21a)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$25.50	\$22.83	y	\$25.80	1.2%	Cost recovery + .01 for CS processing
			21b)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$38.25	\$34.25	y	\$38.70	1.2%	Cost recovery + .02 for CS processing
			21c)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$22.55	\$22.82	n	\$22.82	1.2%	To achieve full cost recovery
			21d)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$33.85	\$34.23	n	\$34.23	1.1%	To achieve full cost recovery

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

For general inquiries, please call (905) 548-4426 between 8:30am - 4:30pm

2020 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	2019 including HST (if applicable)	2020 Proposed Fee	HST (y/n)	2020 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
06-026				COLLECTION SYSTEM INSPECTION & MAINTENANCE						
			1	Wastewater Inspection Services Note: Costs associated with various permit and inspection services related to sewer laterals for properties.						
	516175	47230	1a)	Private Sewer Lateral Repair/Replacement Inspection (Regular Hours - Maximum 1 Hour Total Labour)	\$108.50	\$96.68	y	\$109.25	0.7%	To achieve full cost recovery
	516175	47230	1b)	Private Sewer Lateral Repair/Replacement Inspection (After Hours / Emergency - Maximum 1 Hour Total Labour)	\$229.90	\$205.40	y	\$232.10	1.0%	Cost recovery - .02 for CS processing
	516175	45690	1c)	Missed or Cancelled Inspection	\$78.16	\$69.50	y	\$78.54	0.5%	To achieve full cost recovery
	516175	45690	1d)	Mainline Sewer Inspection	Cost + 33% OH	Cost + 33% OH	y	OH	N/A	To achieve full cost recovery
				Note: CCTV inspection of mainline sewers (storm, sanitary or combined). Cost based on linear meter inspection.						
06-026	516175	45690	2	Sewer Related Service Calls Note: Cost for a service call to investigate a sewer related complaint and the issue resides on private property. No charge for sewer complaints related to issues originating from the City's sewer system. <u>Missed appointments will be billed the corresponding</u>						
			2a)	Service Call (Regular Hours - Maximum 1 Hour Total Labour)	\$96.72	\$86.11	y	\$97.30	0.6%	To achieve full cost recovery
			2b)	Service Call (After Hours - Maximum 1 Hour Total Labour)	\$194.53	\$173.70	y	\$196.28	0.9%	To achieve full cost recovery
06-026	516175	45690	3	Sewer Lateral Cleaning and Investigation Fees Note: When a property owner qualifies for the Sewer Lateral Management Program and chooses to hire their own Plumbing Contractor, these prices represent the maximum amounts that will be reimbursed to the property owner for the sewer lateral cleaning and investigation services performed by the independent Plumbing Contractor						
			3a)	Complete Sewer Lateral Investigation - Regular Hours	\$449.69	\$405.91	y	\$458.68	2.0%	Lower Contract Costs
			3b)	Complete Sewer Lateral Investigation - After Hours	\$496.71	\$448.36	y	\$506.65	2.0%	Lower Contract Costs
			3c)	Partial Sewer Lateral Cleaning - Regular Hours	\$146.96	\$132.65	y	\$149.89	2.0%	Lower Contract Costs
			3d)	Partial Sewer Lateral Cleaning - After Hours	\$205.74	\$185.71	y	\$209.85	2.0%	Lower Contract Costs
			3e)	Abandoned Sewer Lateral Investigation - Regular Hours	\$235.13	\$212.24	y	\$239.83	2.0%	Lower Contract Costs
			3f)	Abandoned Sewer Lateral Investigation - After Hours	\$293.91	\$265.30	y	\$299.79	2.0%	Lower Contract Costs
06-026	516175	45690	4	Miscellaneous Wastewater Collection System Repair Note: Cost for the City to repair damage to the wastewater collection system caused by a third party. Costs include labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
06-026	516175	45690	5	Additional Labour Charges Note: Additional labour charge for all services/calls that exceed the allotted labour time. Costs are for a single Wastewater Collection Operator or Contract Inspector in minimum increments of 30 minutes.						
			5a)	1/2 Hour Additional Labour (Regular Hours) - Wastewater Collection	\$24.45	\$21.90	y	\$24.75	1.2%	To achieve full cost recovery
			5b)	1/2 Hour Additional Labour (After Hours) - Wastewater Collection	\$36.70	\$32.83	y	\$37.10	1.1%	Cost recovery - .02 for CS processing

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

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

2020 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS HAMILTON WATER

Dept ID	Account #	Ref #	Service Offered	2019 Including HST (if applicable)	2020 Proposed Fee	HST (Y/N)	2020 Including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
510250	45519	LABORATORY SERVICES							
		Inorganic Tests:							
		1	Solids						
		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)	\$21.36	\$19.10	Y	\$21.36	1.1%	Current fee achieves full cost recovery
		1d)	TS plus Volatile Solids (VS)	\$22.15	\$20.10	Y	\$22.15	2.6%	Current fee achieves full cost recovery
		1e)	Total Dissolved Solids	\$0.00	\$32.00	Y	\$36.16		New
		2	Skalar						
		2a)	Total Cyanide	\$37.40	\$34.40	Y	\$38.87	3.9%	To achieve full cost recovery
		2b)	Phenolics	\$34.92	\$31.80	Y	\$35.93	2.9%	To achieve full cost recovery
		2c)	Total Kjeldahl 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	\$38.53	\$34.30	Y	\$38.76	0.6%	To achieve full cost recovery
		2f)	Total Organic Carbon	\$38.53	\$34.30	Y	\$38.76	0.6%	To achieve full cost recovery
		2g)	Reactive Silica	\$31.30	\$28.80	Y	\$32.54	4.0%	To achieve full cost recovery
		3	Ion Chromatography (IC Scan)	\$56.95	\$50.40	Y	\$56.95	0.0%	Current fee achieves full cost recovery
		4	PC Titrate						
		4a)	pH	\$18.19	\$16.50	Y	\$18.55	2.5%	To achieve full cost recovery
		4b)	Alkalinity	\$18.08	\$16.40	Y	\$18.53	2.5%	To achieve full cost recovery
		4c)	Conductivity	\$18.08	\$16.40	Y	\$18.53	2.5%	To achieve full cost recovery
		4d)	Fluoride	\$27.46	\$24.80	Y	\$28.02	2.1%	To achieve full cost recovery
510250	45519	5	Turbidity	\$27.69	\$24.70	Y	\$27.91	0.8%	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	\$25.20	\$22.90	Y	\$25.88	2.7%	To achieve full cost recovery
		8	Color True	\$25.20	\$22.90	Y	\$25.88	2.7%	To achieve full cost recovery
		9	O Phosphate	\$0.00	\$26.70	Y	\$30.17		New
		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
		Microbiology Tests:							
		13	Total Coliform/E. coli	\$24.75	\$25.70	Y	\$29.04	17.4%	To achieve full cost recovery
		14	EC	\$30.96	\$28.60	Y	\$32.52	4.4%	To achieve full cost recovery
		15	Heterotrophic Plate Count	\$29.04	\$26.70	Y	\$30.17	3.9%	To achieve full cost recovery
		16	Micro Examination	\$152.89	\$137.30	Y	\$155.15	1.5%	To achieve full cost recovery
		17	Microcystin		\$515.00	Y	\$581.95		New
		Metals:							
		18	ICP OES						
		18a)	ICP OES Scan (Wastewater)	\$65.09	\$58.20	Y	\$65.77	1.0%	To achieve full cost recovery
		18b)	Total Phosphorous	\$30.40	\$27.70	Y	\$31.30	3.0%	To achieve full cost recovery
		18c)	Total Dissolved Phosphorous	\$30.40	\$27.70	Y	\$31.30	3.0%	To achieve full cost recovery
		19	ICP MS						
		19a)	ICP MS Scan	\$65.09	\$58.20	Y	\$65.77	1.0%	To achieve full cost recovery
		20	AA						
		20a)	Mercury	\$51.64	\$45.70	Y	\$51.64	0.0%	Current fee achieves full cost recovery
		21	Organics						
		21a)	Caffeine		\$124.60	Y	\$140.80		New
510250	45519	22	Additional Fees		\$100.00	Y	\$113.00		New
		22a)	Weekend surcharge						

*Costs not specifically addressed in the schedule will be invoiced at actual cost plus overhead.

*For general inquiries, please call 1-800-546-4344 ext. 5535.

2020 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS HAMILTON WATER

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2019 Including HST (if applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
14-090	516175	47232	1	ENVIRONMENTAL MONITORING & ENFORCEMENT To Regulate the Discharge of any Matter into the Sanitary, Combined, and Storm Sewer Systems. Annual Permit to Discharge Hauled Sewage Note: Cost for administration and processing of annual permits required to haul sewage within Hamilton	\$324.00	\$329.00	n	\$329.00	1.5%	To achieve full cost recovery
			2	Discharge fees for Hauled Sewage generated: Inside the City - Compliant Note: Cost per truck full of sewage containing materials within Sewer Use By-law limits						
14-090	516175	41314	2a)	up to 1000 imperial gallons (4.54 m3) or any part thereof	\$49.15	\$50.15	n	\$50.15	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)	\$49.15	\$50.15	n	\$50.15	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	2c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$98.30	\$100.30	n	\$100.30	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	2d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$147.45	\$150.45	n	\$150.45	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	2e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$196.60	\$200.60	n	\$200.60	2.0%	Has to remain a multiple of \$49.15
			3	Discharge fees for Hauled Sewage generated: Inside the City - Non-Compliant Note: Cost per truck full of sewage containing materials that exceed one or more Sewer Use By- law limits						
14-090	516175	41314	3a)	up to 1000 imperial gallons (4.54 m3) or any part thereof	\$49.15	\$50.15	n	\$50.15	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)	\$98.30	\$100.30	n	\$100.30	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	3c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$147.45	\$150.45	n	\$150.45	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	3d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$245.75	\$250.75	n	\$250.75	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	3e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$294.90	\$300.90	n	\$300.90	2.0%	Has to remain a multiple of \$49.15
14-090	516175	41314	4	Holding Tanks for Recreational Vehicles Note: Cost for Recreational Vehicles (RV's) to dump sewer waste at the Mountain Transfer Station	\$8.50	\$8.50	n	\$8.50	0.0%	Current fee achieves full cost recovery
			5	Overstrength Discharge Fees Note: Cost per kilogram of each specified parameter that is in excess of Sewer Use By-law limits, and subject to a Sewer Discharge Permit						
14-090	516080	41315	5a)	Biochemical Oxygen Demand (charge per kg)	\$0.78	\$0.78	n	\$0.78	0.0%	Current fee achieves full cost recovery
14-090	516080	41315	5b)	Total suspended solids (charge per kg)	\$0.63	\$0.63	n	\$0.63	0.0%	Current fee achieves full cost recovery
14-090	516080	41315	5c)	Oil & grease (animal/vegetable) (charge per kg)	\$0.66	\$0.44	n	\$0.44	-33.2%	Decrease reflecting rate review
14-090	516080	41315	5d)	Total Kjeldahl Nitrogen (charge per kg)	\$2.39	\$1.00	n	\$1.00	-58.1%	Decrease reflecting rate review
14-090	516080	41315	5e)	Total Phosphorus (charge per kg)	\$1.68	\$1.78	n	\$1.78	6.1%	To achieve full cost recovery
14-090	516080	41317	6	Surcharge Discharge Fee (charge per m3)	\$1.68	\$1.75	n	\$1.75	4.2%	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 905-546-5190 or email sewerusebylaw@hamilton.ca

2020 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS HAMILTON WATER

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2019 Including HST (if applicable)	2020 Proposed Fee	HST (y/n)	2020 Including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
14-090	510260	45519	7	Application Fees for Sewer Discharge Permits NOTE: Fee to be paid upon application for Sewer Discharge Permit						
			7a)	Application Fee	\$697.32	\$629.34	y	\$711.15	2.0%	Increase due to incorporating 7b) and 7c) fees into Application Fee
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)	\$327.34	\$295.47	y	\$333.88	2.0%	To achieve full cost recovery
			8	Administrative Fees for Sewer Discharge Permits Note: Multiple permit holders pay the higher administration fee (for example, if the permit holder has both an Overstrength Discharge Permit and a Compliance Program Permit, they will pay \$810.00 per quarter						
14-090	510260	45532	8a)	Overstrength Discharge Permit (charged quarterly)	\$427.00	\$435.00	n	\$435.00	1.9%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8b)	Sanitary Discharge Permit (charged quarterly)	\$427.00	\$435.00	n	\$435.00	1.9%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8c)	Chloride Discharge Permit (charged quarterly)	\$427.00	\$435.00	n	\$435.00	1.9%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8d)	Compliance Discharge Permit (charged quarterly)	\$1,050.00	\$1,071.00	n	\$1,071.00	2.0%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8e)	Conditional Discharge Permit (charged quarterly)	\$1,050.00	\$1,071.00	n	\$1,071.00	2.0%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45519	9	Information Requests Note: Fee per property for records search related to Sewer Use By-law historical violations	\$167.13	\$150.86	y	\$170.47	2.0%	To achieve full cost recovery
14-090	510260	45532	10	Wastewater Sampling (optional) Note: Per unit costs to conduct wastewater sampling to determine permit conditions and limits						
			10a)	Wastewater Sampling Vehicle Fee (per kilometer)	\$1.34	\$1.21	y	\$1.37	1.7%	To achieve full cost recovery
			10b)	Wastewater Sampling Equipment Fee (per day)	\$43.96	\$39.68	y	\$44.84	2.0%	To achieve full cost recovery
			10c)	Wastewater Sampling Technician Fee (per hour) Mon - Fri	\$55.44	\$50.04	y	\$56.55	2.0%	EMT position - replaced by RFT one pay grade higher
			10d)	Wastewater Sampling Technician Fee (per hour) Sat	\$83.16	\$75.06	y	\$84.82	2.0%	EMT position - replaced by RFT one pay grade higher
			10e)	Wastewater Sampling Technician Fee (per hour) Sun	\$110.86	\$100.07	y	\$113.08	2.0%	EMT position - replaced by RFT one pay grade higher

Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead
For general inquiries, please call 905-546-5199 or email sewers@hamilton.ca

2020 PROPOSED USER FEES AND CHARGES

PUBLIC WORKS HAMILTON WATER

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2019 including HST (if applicable)	2020 Proposed Fee	HST (y/n)	2020 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				ENVIRONMENTAL MONITORING & ENFORCEMENT Fees related to the Wastewater Abatement Program						
03-272	510260	45532	1	Application Fee (plus cost recovery for peer review if	\$423.19	\$374.50	y	\$423.19	0.0%	Current fee achieves full cost recovery
03-272	510260	45532	2	Annual Administration Fee	\$805.46	\$745.30	y	\$842.19	4.6%	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 305-540-5190 or email sewerusebylaw@hamilton.ca*

CITY OF HAMILTON
2020 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2019 RESTATE D BUDGET	2019 PROJECTED ACTUAL	2020 REQUESTED BUDGET	CHANGE 2019 PROJECTED ACTUAL / 2019 RESTATE D BUDGET		CHANGE 2020 REQUESTED / 2019 RESTATE D BUDGET	
	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:							
Divisional Administration & Support	2,242,620	2,242,620	1,408,041	(0)	(0.0%)	(834,579)	(37.2%)
Woodward Upgrades	1,524,540	1,524,540	1,108,390	-	0.0%	(416,150)	(27.3%)
Customer Service	421,610	421,610	254,823	-	0.0%	(166,787)	(39.6%)
Outreach & Education	1,350,860	1,300,860	1,239,577	50,000	3.7%	(111,283)	(8.2%)
Service Co-ordination	4,251,610	3,785,610	3,745,588	466,000	11.0%	(506,022)	(11.9%)
Engineering Systems & Data Collection	1,286,870	1,286,870	1,351,831	-	0.0%	64,961	5.0%
Compliance & Regulations	871,210	871,210	976,984	-	0.0%	105,774	12.1%
Laboratory Services	3,527,640	3,527,640	3,660,204	-	0.0%	132,564	3.8%
Environmental Monitoring & Enforcement	1,818,020	1,818,020	1,778,256	-	0.0%	(39,764)	(2.2%)
Water Distribution & Wastewater Collection	21,369,840	21,369,840	22,511,201	-	0.0%	1,141,361	5.3%
Plant Operations & Maintenance	41,383,390	39,383,390	33,449,649	2,000,000	4.8%	(7,933,741)	(19.2%)
Capital Delivery	1,859,660	1,859,660	1,595,011	-	0.0%	(264,649)	(14.2%)
Sustainable Initiatives	1,497,370	1,497,370	1,431,094	-	0.0%	(66,276)	(4.4%)
Infrastructure Planning & System Design	2,314,770	2,314,770	1,877,476	-	0.0%	(437,294)	(18.9%)
Wastewater Abatement Program	1,150,000	1,150,000	1,150,040	-	0.0%	40	0.0%
Alectra Utilities Service Contract	5,700,000	5,400,000	5,600,000	300,000	5.3%	(100,000)	(1.8%)
Corporate & Departmental Support Services	6,432,040	6,432,040	6,977,580	-	0.0%	545,540	8.5%
Utilities Arrears Program	500,000	500,000	500,080	-	0.0%	80	0
Sewer Lateral Management Program	500,000	500,000	414,738	-	0.0%	(85,262)	(0)
Hamilton Harbour Remedial Action Plan	395,000	395,000	382,550	-	0.0%	(12,450)	(3.2%)
Protective Plumbing Program (3P)	1,250,000	885,034	1,250,000	364,966	29.2%	-	0.0%
Financial Charges	177,000	177,000	86,019	-	0.0%	(90,981)	(51.4%)
	101,824,050	98,643,084	92,749,132	3,180,966	3.1%	(9,074,918)	(8.9%)
Capital and Reserve Recoveries	(6,099,580)	(6,099,580)	(6,029,550)	0	(0.0%)	70,030	(1.1%)
Sub-Total	95,724,470	92,543,504	86,719,582	3,180,966	3.3%	(9,004,888)	(9.4%)
Capital and Reserve Impacts on Operating							
Contributions to Capital							
Water Quality Initiatives	51,762,000	51,762,000	50,296,000	-	-	(1,466,000)	(2.8%)
Wastewater	42,837,000	42,837,000	52,673,000	-	-	9,836,000	23.0%
Stormwater	3,205,000	3,205,000	15,685,000	-	-	12,480,000	389.4%
Sub-Total Contributions to Capital	97,804,000	97,804,000	118,654,000	-	-	20,850,000	21.3%
Contributions for DC Exemptions							
Water Quality Initiatives	2,547,000	2,547,000	2,240,000	-	-	(307,000)	(12.1%)
Wastewater	4,590,000	4,590,000	4,080,000	-	-	(510,000)	(11.1%)
Stormwater	1,863,000	1,863,000	1,680,000	-	-	(183,000)	(9.8%)
Sub-Total Contributions for DC Exemptions	9,000,000	9,000,000	8,000,000	-	-	(1,000,000)	(11.1%)

CITY OF HAMILTON
2020 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

OPERATING EXPENDITURES:**Capital Debt Charges**

	2019 RESTATED BUDGET	2019 PROJECTED ACTUAL	2020 REQUESTED BUDGET	CHANGE 2019 PROJECTED ACTUAL / 2019 RESTATED BUDGET		CHANGE 2020 REQUESTED / 2019 RESTATED BUDGET	
	\$	\$	\$	\$	%	\$	%
Water Quality Initiatives	9,762,487	7,537,276	8,593,943	2,225,211	22.8%	(1,168,544)	(12.0%)
Wastewater	10,120,380	8,460,849	11,514,374	1,659,531	16.4%	1,393,994	13.8%
Stormwater	3,950,054	2,371,561	3,399,997	1,578,493	40.0%	(550,057)	(13.9%)
DC Debt Charges Recoveries	(4,467,237)	(904,431)	(3,826,205)	(3,562,806)	79.8%	641,032	(14.3%)
Sub-Total Debt Charges	19,365,685	17,465,255	19,682,108	1,900,430	9.8%	316,424	1.6%
Sub-Total Capital Financing	126,169,685	124,269,256	146,336,108	1,900,430	1.5%	20,166,424	16.0%
Reserve Transfers	365,324	365,324	(43,888)	0	0.0%	(409,212)	(112.0%)
Sub-Total Capital and Reserve Impacts on Operating	126,535,009	124,634,580	146,292,220	1,900,430	1.5%	19,757,211	15.6%
TOTAL EXPENDITURES	222,259,479	217,178,084	233,011,802	5,081,395	2.3%	10,752,323	4.8%

REVENUES:**Rate Revenue**

Residential	97,938,766	98,938,766	102,226,242	1,000,000	1.0%	4,287,476	4.4%
Industrial/Commercial/Institutional/Multi-res	107,752,759	108,752,759	112,557,622	1,000,000	0.9%	4,804,863	4.5%
Haldimand	2,353,282	2,353,282	2,476,307	-	0.0%	123,025	5.2%
Halton	247,782	247,782	259,593	-	0.0%	11,811	4.8%
Raw Water	150,000	120,000	125,000	(30,000)	(20.0%)	(25,000)	(16.7%)
Non-Metered	580,000	1,700,000	580,000	1,120,000	193.1%	-	0.0%
Private Fire Lines	1,550,000	1,750,000	1,850,000	200,000	12.9%	300,000	19.4%
Hauler / 3rd Party Sales	1,225,000	1,225,000	1,225,000	-	0.0%	-	0.0%
Overstrength Agreements	2,249,480	3,098,294	2,892,902	848,814	37.7%	643,422	28.6%
Sewer Surcharge Agreements	5,200,000	5,200,000	5,806,726	-	0.0%	606,726	11.7%
Sub-Total Utility Rates	219,247,069	223,385,883	229,999,392	4,138,814	1.9%	10,752,323	4.9%

Non-Rate Revenue

Local Improvement Recoveries	275,850	275,850	275,850	-	-	-	-
Permits / Leases / Agreements	1,365,050	1,365,050	1,365,050	-	-	-	0.0%
Investment Income	450,000	450,000	450,000	-	0.0%	-	-
General Fees and Recoveries	921,510	921,510	921,510	-	0.0%	-	0.0%
Sub-Total Non-Rate Revenue	3,012,410	3,012,410	3,012,410	-	0.0%	-	0.0%

TOTAL REVENUES**NET EXPENDITURES**

TOTAL REVENUES	222,259,479	226,398,293	233,011,802	4,138,814	1.9%	10,752,323	4.8%
NET EXPENDITURES	-	(9,220,209)	-	9,220,209	-	-	-

CITY OF HAMILTON
2020 - 2023 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

Appendix "B" to Item 2 of GIC Report 19-025
Page 3 of 5

	2019 RESTATED BUDGET	2020 REQUESTED BUDGET	2021 PROJECTED BUDGET	2022 PROJECTED BUDGET	2023 PROJECTED BUDGET	CHANGE 2020 REQUESTED / 2019 RESTATED BUDGET	CHANGE 2021 PROJECTED / 2020 REQUESTED BUDGET	CHANGE 2022 PROJECTED / 2021 PROJECTED BUDGET
	\$	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:								
Divisional Administration & Support	2,242,620	1,408,041	1,436,202	1,464,926	1,494,224	(834,579)	(37.2%)	28,724
Woodward Upgrades	1,524,540	1,108,390	1,130,558	1,153,169	1,176,232	(416,150)	(27.3%)	22,611
Customer Service	421,610	254,823	259,919	265,118	270,420	(166,787)	(39.6%)	5,198
Outreach & Education	1,350,860	1,239,577	1,264,369	1,289,656	1,315,449	(111,283)	(8.2%)	25,287
Service Co-ordination	4,251,610	3,745,588	3,820,500	3,896,910	3,974,848	(506,022)	(11.9%)	76,410
Engineering Systems & Data Collection	1,286,870	1,351,831	1,378,868	1,406,445	1,434,574	64,961	5.0%	27,577
Compliance & Regulations	871,210	976,984	996,524	1,016,454	1,036,783	105,774	12.1%	19,930
Laboratory Services	3,527,640	3,660,204	3,733,408	3,808,076	3,884,238	132,564	3.8%	74,668
Environmental Monitoring & Enforcement	1,818,020	1,778,256	1,813,821	1,850,098	1,887,099	(39,764)	(2.2%)	36,276
Water Distribution & Wastewater Collection	21,369,840	22,511,201	22,961,425	23,420,654	23,889,067	1,141,361	5.3%	459,229
Plant Operations & Maintenance	41,383,390	33,449,649	34,118,642	34,801,015	35,497,035	(7,933,741)	(19.2%)	682,373
Capital Delivery	1,859,660	1,595,011	1,626,911	1,659,449	1,692,638	(264,649)	(14.2%)	32,538
Sustainable Initiatives	1,497,370	1,431,094	1,459,716	1,488,910	1,518,688	(66,276)	(4.4%)	29,194
Infrastructure Planning & System Design	2,314,770	1,877,476	1,915,026	1,953,326	1,992,393	(437,294)	(18.9%)	38,301
Wastewater Abatement Program	1,150,000	1,150,040	1,173,041	1,196,502	1,220,432	40	0.0%	23,461
Alectra Utilities Service Contract	5,700,000	5,600,000	5,712,000	5,826,240	5,942,765	(100,000)	(1.8%)	114,240
Corporate & Departmental Support Services	6,432,040	6,977,580	7,117,132	7,259,474	7,404,664	545,540	8.5%	142,343
Utilities Arrears Program	500,000	500,080	510,082	520,283	530,689	80	0.0%	10,202
Sewer Lateral Management Program	500,000	414,738	423,033	431,493	440,123	(85,262)	(17.1%)	8,461
Hamilton Harbour Remedial Action Plan	395,000	382,550	390,201	398,005	405,965	(12,450)	(3.2%)	7,804
Protective Plumbing Program (3P)	1,250,000	1,250,000	1,275,000	1,300,500	1,326,510	-	0.0%	25,500
Financial Charges	177,000	86,019	87,739	89,494	91,284	(90,981)	(51.4%)	1,755
	101,824,050	92,749,132	94,604,115	96,496,197	98,426,121	(9,074,918)	(8.9%)	1,892,082
Capital and Reserve Recoveries	(6,099,580)	(6,029,550)	(6,150,141)	(6,273,144)	(6,398,607)	70,030	(1.1%)	(123,003)
Sub-Total	95,724,470	86,719,582	88,453,974	90,223,053	92,027,514	(9,004,888)	(9.4%)	1,769,079
Capital and Reserve Impacts on Operating								
Contributions to Capital								
Water Quality Initiatives	51,762,000	50,296,000	52,953,000	56,553,000	63,516,000	(1,466,000)	(2.8%)	3,600,000
Wastewater	42,837,000	52,673,000	55,057,000	54,249,000	54,174,000	9,836,000	23.0%	(808,000)
Stormwater	3,205,000	15,685,000	14,382,000	15,775,000	15,975,000	(12,480,000)	(389.4%)	1,393,000
Sub-Total Contributions to Capital	97,804,000	118,654,000	122,392,000	126,577,000	133,665,000	20,850,000	21.3%	4,185,000
Contributions for DC Exemptions								
Water Quality Initiatives	2,547,000	2,240,000	2,240,000	2,240,000	2,240,000	(307,000)	(12.1%)	-
Wastewater	4,590,000	4,080,000	4,080,000	4,080,000	4,080,000	(510,000)	(11.1%)	-
Stormwater	1,863,000	1,680,000	1,680,000	1,680,000	1,680,000	(183,000)	(9.8%)	-
Sub-Total Contributions for DC Exemptions	9,000,000	8,000,000	8,000,000	8,000,000	8,000,000	(1,000,000)	(11.1%)	-
Debt Charges								
Water Quality Initiatives	9,762,487	8,593,943	13,081,230	19,120,697	22,771,434	(1,168,544)	(12.0%)	6,039,467
Wastewater	10,120,380	11,514,374	18,224,240	24,836,447	29,106,256	1,393,994	13.8%	6,612,207
Stormwater	3,950,054	3,399,997	4,917,875	5,719,347	6,438,841	(550,057)	(13.9%)	801,472
DC Debt Charges Recoveries	(4,467,237)	(3,826,205)	(10,928,162)	(17,429,536)	(21,372,836)	641,032	(14.3%)	(6,501,374)
Sub-Total Debt Charges	19,365,685	19,682,108	25,295,182	32,246,955	36,943,695	316,424	1.6%	6,951,772
Sub-Total Capital Financing	126,169,685	146,336,108	155,687,182	166,823,955	178,608,695	20,166,424	16.0%	11,136,772
Reserve Transfers	365,324	(43,888)	(402,492)	(370,598)	(393,081)	(409,212)	(112.0%)	31,893
Sub-Total Capital and Reserve Impacts on Operating	126,535,009	146,292,220	155,284,690	166,453,356	178,215,614	19,757,211	15.6%	11,168,666
TOTAL EXPENDITURES	222,259,479	233,011,802	243,738,664	256,676,409	270,243,128	10,752,323	4.8%	12,937,745

CITY OF HAMILTON
2020 - 2023 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

Appendix "B" to Item 2 of GIC Report 19-025
Page 4 of 5

2019	2020	2021	2022	2023	CHANGE		CHANGE		CHANGE	
RESTATED	REQUESTED	PROJECTED	PROJECTED	PROJECTED	2020 REQUESTED /		2021 PROJECTED /		2022 PROJECTED /	
BUDGET	BUDGET	BUDGET	BUDGET	BUDGET	2019 RESTATED BUDGET		2020 REQUESTED BUDGET		2021 PROJECTED BUDGET	
\$	\$	\$	\$	\$	\$	%	\$	%	\$	%
97,938,766	102,226,242	107,533,183	113,624,568	120,099,836	4,287,476	4.4%	5,306,940	5.2%	6,091,385	5.7%
107,752,759	112,557,622	117,408,155	123,603,330	130,095,258	4,804,863	4.5%	4,850,533	4.3%	6,195,175	5.3%
2,353,282	2,476,307	2,591,366	2,739,374	2,931,659	123,025	5.2%	115,058	4.6%	148,008	5.7%
247,782	259,593	269,837	284,866	303,990	11,811	4.8%	10,245	3.9%	15,029	5.6%
150,000	125,000	128,750	132,613	136,591	(25,000)	(16.7%)	3,750	3.0%	3,863	3.0%
580,000	580,000	580,000	610,000	640,000	-	0.0%	-	0.0%	30,000	5.2%
1,550,000	1,850,000	1,924,000	2,000,960	2,080,998	300,000	19.4%	74,000	4.0%	76,960	4.0%
1,225,000	1,225,000	1,261,750	1,299,603	1,325,709	-	0.0%	36,750	3.0%	37,853	3.0%
2,249,480	2,892,902	2,979,689	3,069,080	3,130,461	643,422	28.6%	86,787	3.0%	89,391	3.0%
5,200,000	5,806,726	5,980,928	6,160,356	6,283,563	606,726	11.7%	174,202	3.0%	179,428	3.0%
219,247,069	229,999,392	240,657,657	253,524,748	267,028,066	10,752,323	4.9%	10,658,265	4.6%	12,867,091	5.3%
275,850	275,850	275,850	275,850	275,850	-	0.0%	-	0.0%	-	0.0%
1,365,050	1,365,050	1,406,002	1,448,182	1,463,627	-	0.0%	40,952	3.0%	42,180	3.0%
450,000	450,000	450,000	450,000	450,000	-	0.0%	-	0.0%	-	0.0%
921,510	921,510	949,155	977,630	1,025,585	-	0.0%	27,645	3.0%	28,475	3.0%
						0.0%		0.0%		0.0%
3,012,410	3,012,410	3,081,007	3,151,662	3,215,062	-	0.0%	68,597	2.3%	70,655	2.3%
222,259,479	233,011,802	243,738,664	256,676,409	270,243,128	10,752,323	4.8%	10,726,862	4.6%	12,937,745	5.3%
-	-	-	-	-	(0)	-	(0)	-	0	-

CITY OF HAMILTON
2020-2029 WATER, WASTEWATER & STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM
(\$ 000'S)

	2019 Restated	2020 Requested	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	91,224	82,720	84,224	84,494	86,181	87,901	89,655	91,444	93,269	95,128	97,124
BIO-SOLIDS	4,500	4,000	4,230	4,129	4,215	4,302	4,392	4,484	4,578	4,676	4,676
TERTIARY TREATMENT	-	-	-	1,600	1,632	1,665	1,698	1,732	1,767	1,802	1,838
TOTAL OPERATING COSTS	95,724	86,720	88,454	90,223	92,028	93,868	95,745	97,660	99,614	101,606	103,638
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Water	51,762	50,296	52,953	56,553	63,516	73,300	84,611	83,417	72,832	90,002	107,861
Wastewater	42,837	52,673	55,057	54,249	54,174	52,379	58,704	63,479	67,164	68,470	65,440
Stormwater	3,205	15,685	14,382	15,775	15,975	17,595	9,875	16,385	37,430	34,735	35,215
Sub-total Contributions to Capital	97,804	118,654	122,392	126,577	133,665	143,274	153,190	163,281	177,426	193,207	208,516
Contributions for DC Exemptions											
Water	2,547	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240
Wastewater	4,590	4,080	4,080	4,080	4,080	4,080	4,080	4,080	4,080	4,080	4,080
Stormwater	1,863	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680
Sub-total Contributions to Capital	9,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Debt Charges											
Water	9,762	8,594	13,081	19,121	22,771	24,378	26,861	29,864	30,861	30,665	30,561
Wastewater	10,120	11,514	18,224	24,836	29,106	30,401	30,518	34,295	41,345	47,498	51,136
Stormwater	3,950	3,400	4,918	5,719	6,439	6,775	6,728	6,681	6,690	6,705	6,778
DC Debt Charges Recoveries	(4,467)	(3,826)	(10,928)	(17,430)	(21,373)	(23,098)	(25,025)	(31,460)	(41,112)	(49,540)	(53,306)
Sub-total Debt Charges	19,366	19,682	25,295	32,247	36,944	38,456	39,082	39,380	37,784	35,328	35,169
Reserve Transfers											
	365	(44)	(402)	(371)	(394)	(353)	(304)	(282)	(313)	(318)	147
Sub-Total Capital & Reserve Impacts on Operating	126,535	146,292	155,285	166,453	178,215	189,377	199,968	210,379	222,897	236,217	251,832
TOTAL EXPENDITURES	222,259	233,012	243,739	256,676	270,243	283,245	295,714	308,039	322,511	337,823	355,470
REVENUES											
Residential	97,939	102,226	107,533	113,625	120,100	126,815	134,051	141,659	149,749	157,939	166,460
Industrial/Commercial/Institutional/Multi-res	107,753	112,558	117,408	123,603	130,095	135,830	140,539	144,771	150,606	157,123	165,607
Haldimand	2,353	2,476	2,591	2,739	2,932	3,074	3,179	3,241	3,351	3,507	3,687
Halton	248	260	270	285	304	318	331	340	351	367	385
Raw Water	150	125	129	133	137	141	145	149	154	158	163
Non-Metered	580	580	580	610	640	670	700	730	760	790	820
Private Fire Lines	1,550	1,850	1,924	2,001	2,081	2,164	2,251	2,341	2,434	2,532	2,633
Hauler / 3rd Party Sales	1,225	1,225	1,262	1,300	1,326	1,352	1,379	1,407	1,435	1,464	1,493
Overstrength Agreements	2,249	2,893	2,980	3,069	3,130	3,193	3,257	3,322	3,389	3,456	3,525
Sewer Surcharge Agreements	5,200	5,807	5,981	6,160	6,284	6,409	6,537	6,668	6,802	6,938	7,076
Non-Rate Revenue	3,012	3,012	3,081	3,152	3,215	3,279	3,345	3,411	3,480	3,549	3,620
TOTAL REVENUES	222,259	233,012	243,739	256,676	270,243	283,245	295,714	308,039	322,511	337,823	355,470
NET EXPENDITURES											
	-	-	-	-	-	-	-	-	-	-	-
Rate Increase	4.66%	4.11%	4.28%	4.50%	4.55%	4.41%	4.46%	4.41%	4.54%	4.34%	4.37%
RESIDENTIAL BILL (200m³ p.a.)	\$ 722.90	\$ 752.60	\$ 784.80	\$ 820.10	\$ 857.40	\$ 895.20	\$ 935.10	\$ 976.30	\$ 1,020.60	\$ 1,064.85	\$ 1,111.35

City of Hamilton
Water System
2020 Capital Budget Project List
(000's)

Appendix "C" to Item 2 of GIC Report 19-025 Page 1 of 3

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
Annual Projects														
City Wide	4032058001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-
City Wide	5142001099	Engineering Services Staffing Costs - Water		4,700	-	-	-	-	-	-	-	4,700	4,700	-
City Wide	5142060711	PW Capital Water Consumption Program		180	-	-	-	-	-	-	-	180	180	-
	Sub-Total Annual Projects			4,910	-	-	-	-	-	-	-	4,910	4,910	-
Building - New Construction														
City Wide	5142066350	WTP Chlorine Chemical Building		2,250	-	-	-	-	-	-	-	2,250	2,250	-
	Sub-Total Building - New Construction			2,250	-	-	-	-	-	-	-	2,250	2,250	-
Coordinated - Replacement Projects														
1	5142070006	Hillcrest - Chedoke to end - Road Restoration		60	-	-	-	-	-	-	-	60	60	-
4	5142070018	Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood) - Road Restoration		700	-	-	-	-	-	-	-	700	700	-
1	5142071306	Hillcrest - Chedoke to end		120	-	-	-	-	-	-	-	120	120	-
4	5142071315	Delena / Beland / Dunsmure		150	-	-	-	-	-	-	-	150	150	-
4	5142071318	Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)		770	-	-	-	-	-	-	-	770	770	-
	Sub-Total Coordinated - Replacement Projects			1,800	-	-	-	-	-	-	-	1,800	1,800	-
Coordinated - Upgrade Projects														
3	5141971313	Sherman - King to south end (LRT Enabling Project)		1,130	1,000	-	-	-	-	-	-	130	130	-
3	5141971314	Wentworth - Wilson to King (LRT Enabling Project)		370	330	-	-	-	-	-	-	40	40	-
4	5141971315	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling Project)		4,800	4,800	-	-	-	-	-	-	-	-	-
4	5142070015	Main - Delena to Normanhurst & Normanhurst - Main to Queenston (LRT Enabling Project)		300	-	-	-	-	-	-	-	300	300	-
	Sub-Total Coordinated - Upgrade Projects			6,600	6,130	-	-	-	-	-	-	470	470	-
Demolition														
2	5142067420	St. Joseph's Tank Pulsation Dampener (HD002STK)		60	-	-	-	-	-	-	-	60	60	-
	Sub-Total Demolition			60	-	-	-	-	-	-	-	60	60	-
Development Projects														
15	5142080080	Dundas - 575m w/o Evans to 210 w/o Evans		410	-	-	410	-	-	-	-	-	-	-
	Sub-Total Development Projects			410	-	-	410	-	-	-	-	-	-	-
Master Plan														
City Wide	5141555264	City-Wide Water Master Plan		300	-	-	270	-	-	-	-	30	30	-
City Wide	5142055010	Water Systems Planning Program		300	-	-	-	-	-	-	-	300	300	-
	Sub-Total Master Plan			600	-	-	270	-	-	-	-	330	330	-
Master Plan - Horizontal Assets														
11	5142096250	Airport Lands External Water Servicing (Feedermain) (W-27)	*	1,080	-	223	857	-	-	-	-	-	-	-
12	5142096520	Garner Road Trunk Watermain - Southcote to Wilson (W-09)	*	3,390	-	-	3,390	-	-	-	-	-	-	-

City of Hamilton
Water System
2020 Capital Budget Project List
(000's)

Appendix "C" to Item 2 of GIC Report 19-025 Page 2 of 3

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
1	5142096850	Locke St Trunk Watermain - Main to Barton (W-19)	*	2,200	-	-	2,200	-	-	-	-	-	-	-
<i>Sub-Total Master Plan - Horizontal Assets</i>				6,670	-	223	6,447	-	-	-	-	-	-	-
Master Plan - Vertical Assets														
11	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	*	610	-	-	610	-	-	-	-	-	-	-
13	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-04)		550	-	-	413	-	-	-	-	137	137	-
13	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-26) (CASH FLOWED)		780	-	-	701	-	-	-	-	79	79	-
5	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	*	220	-	-	165	-	-	-	-	55	55	-
City Wide	5142695552	P.S. HD07A - New District 7 (Elfrida area) Pumping Station (W-21)	*	170	-	-	170	-	-	-	-	-	-	-
<i>Sub-Total Master Plan - Vertical Assets</i>				2,330	-	-	2,059	-	-	-	-	271	271	-
Outstations-Sustainable Asset Mgt (SAM)														
12	5141667421	Glancastr Rd & Hwy 53 Pumping Station (HD018) Upgrades (CASH FLOWED)		660	-	-	-	-	-	-	-	660	660	-
14	5141767650	New Greensville Communal Well		150	-	-	-	-	-	-	-	150	150	-
12	5142067450	Lee Smith Reservoir (HDR00) Upgrades		280	-	-	-	-	-	-	-	280	280	-
City Wide	5142067752	Water Outstation Inspections - Asset Management		660	-	-	-	-	-	-	-	660	660	-
<i>Sub-Total Outstations-Sustainable Asset Mgt (SAM)</i>				1,750	-	-	-	-	-	-	-	1,750	1,750	-
Plant - Sustainable Asset Mgt (SAM)														
4	5141166110	Water Treatment Plant - Process Upgrades (CASH FLOWED)		4,950	-	-	-	-	-	-	-	4,950	4,950	-
4	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2 (CASH FLOWED)		550	-	-	-	-	-	-	-	550	550	-
City Wide	5142066310	WTP Pre-Treatment Isolation Valves		280	-	-	-	-	-	-	-	280	280	-
<i>Sub-Total Plant - Sustainable Asset Mgt (SAM)</i>				5,780	-	-	-	-	-	-	-	5,780	5,780	-
Plant - Water Quality Initiatives (WQI)														
City Wide	5142069075	City Environmental Lab Improvements Program		150	-	-	-	-	-	-	-	150	150	-
<i>Sub-Total Plant - Water Quality Initiatives (WQI)</i>				150	-	-	-	-	-	-	-	150	150	-
Rehabilitation Project														
City Wide	5141761777	Beach Trunkmain Rehab		1,200	-	-	-	-	-	-	-	1,200	1,200	-
City Wide	5142057626	Critical Watermain Inspection Program		660	-	-	-	-	-	160	-	500	500	-
City Wide	5142060750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program		3,000	-	-	-	-	-	-	-	3,000	3,000	-
3	5142061305	Burlington Trunkmain Repairs		910	-	-	-	-	-	460	-	450	450	-
City Wide	5142061502	Water Meter - Installation/Replacement/Repair - General Maintenance		2,920	-	-	-	640	-	-	-	2,280	2,280	-
<i>Sub-Total Rehabilitation Project</i>				8,690	-	-	-	640	-	620	-	7,430	7,430	-
Replacement Project														
10	5141961341	Pineland/Teal/Community/Garden/South Service		1,680	-	-	-	-	-	-	-	1,680	1,680	-
City Wide	5142060080	Valve Replacement Program		3,700	-	-	-	-	-	300	-	3,400	3,400	-
1, 2	5142061302	Barton - Locke to Caroline & Locke - York to Barton		1,000	-	-	-	-	-	-	-	1,000	1,000	-

City of Hamilton
Water System
2020 Capital Budget Project List
(000's)

Appendix "C" to Item 2 of GIC Report 19-025 Page 3 of 3

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
5	5142061310	Woodward Greenhill Transmission Main Pipeline repair on Summercrest		500	-	-	-	-	-	-	-	500	500	-
		<i>Sub-Total Replacement Project</i>		6,880	-	-	-	-	-	300	-	6,580	6,580	-
Restorations														
City Wide	5142011101	Road Restoration Program		5,400	-	-	-	-	-	-	-	5,400	5,400	-
		<i>Sub-Total Restorations</i>		5,400	-	-	-	-	-	-	-	5,400	5,400	-
Technical Services Projects														
City Wide	4031957944	PW Asset Management (PW-AM) System Implementation		1,000	-	-	-	-	-	-	-	1,000	1,000	-
City Wide	4032055522	State of the Infrastructure - Asset Management		100	-	-	-	-	-	100	-	-	-	-
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development		75	-	-	-	-	-	-	-	75	75	-
City Wide	5142049555	QA-QC Service Contract Program		140	-	-	-	-	-	-	-	140	140	-
City Wide	5142055022	Engineering Consultant Watermain Projects		300	-	-	-	-	-	-	-	300	300	-
City Wide	5142055425	Prestressed Concrete Cylinder Pipe Condition Assessment Inspection Program		400	-	-	-	-	-	-	-	400	400	-
City Wide	5142055556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-
City Wide	5142055851	Water Efficiency Plan/Program		110	-	-	-	-	-	-	-	110	110	-
City Wide	5142057545	Water - Computer Model		280	-	-	-	-	-	-	-	280	280	-
City Wide	5142060577	Metallic Watermain Condition Assessment Program		630	-	-	-	-	-	-	-	630	630	-
		<i>Sub-Total Technical Services Projects</i>		3,075	-	-	-	-	-	100	-	2,975	2,975	-
Upgrade Projects														
City Wide	5142062073	Field Data Systems Program		110	-	-	-	-	-	-	-	110	110	-
City Wide	5142062078	Substandard Water Service Replacement Program		2,750	-	-	-	-	-	-	-	2,750	2,750	-
		<i>Sub-Total Upgrade Projects</i>		2,860	-	-	-	-	-	-	-	2,860	2,860	-
Vehicles-New														
City Wide	5141851810	Fleet Additions		1,630	-	-	-	-	-	-	-	1,630	1,630	-
		<i>Sub-Total Vehicles-New</i>		1,630	-	-	-	-	-	-	-	1,630	1,630	-
Water Quality Initiatives (WQI)														
City Wide	5141966911	Woodward WTP - Biological Filtration Pilot Study		250	-	-	-	-	-	-	-	250	250	-
		<i>Sub-Total Water Quality Initiatives (WQI)</i>		250	-	-	-	-	-	-	-	250	250	-
Watermain Lining														
City Wide	5142060072	Watermain Structural Lining		5,400	-	-	-	-	-	-	-	5,400	5,400	-
		<i>Sub-Total Watermain Lining</i>		5,400	-	-	-	-	-	-	-	5,400	5,400	-
Total All Projects				67,495	6,130	223	9,186	640	-	1,020	-	50,296	50,296	-

* DC
Debt

City of Hamilton
Wastewater System
2020 Capital Budget Project List
(000's)

Appendix "D" to Item 2 of GIC Report 19-025
Page 1 of 4

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	
Annual Projects															
City Wide	4032058001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-	
City Wide	5162001099	Engineering Services Staffing Costs - Wastewater		4,700	-	-	-	-	-	-	-	4,700	4,700	-	
City Wide	5162060711	PW Capital Water Consumption Program		180	-	-	-	-	-	-	-	180	180	-	
8	5162061006	Inverness Ave E - Combined Major Trunk Rehabilitation		200	-	-	-	-	-	200	-	-	-	-	
Sub-Total Annual Projects				5,110	-	-	-	-	-	200	-	4,910	4,910	-	
Building - New Construction															
City Wide	5161667421	New Haulage Receiving Station		550	-	-	-	-	-	-	-	550	550	-	
Sub-Total Building - New Construction				550	-	-	-	-	-	-	-	550	550	-	
Computer Software Purchases															
City Wide	5162057545	Wastewater Computer Model Update & Maintenance		660	-	-	-	-	-	-	-	660	660	-	
Sub-Total Computer Software Purchases				660	-	-	-	-	-	-	-	660	660	-	
Coordinated - Network Extension Projects															
9	5162080089	Rymal - Fletcher to Upper Centennial	*	5,330	-	-	5,330	-	-	-	-	-	-	-	
Sub-Total Coordinated - Network Extension Projects				5,330	-	-	5,330	-	-	-	-	-	-	-	
Coordinated - Replacement Projects															
1	5162071006	Hillcrest - Chedoke to end		60	-	-	-	-	-	-	-	60	60	-	
Sub-Total Coordinated - Replacement Projects				60	-	-	-	-	-	-	-	60	60	-	
Coordinated - Upgrade Projects															
4	5162071315	Main -Queenston Traffic Circle to Delena & Rosewood (LRT Enabling Project)		1,160	-	-	-	-	-	-	-	1,160	1,160	-	
Sub-Total Coordinated - Upgrade Projects				1,160	-	-	-	-	-	-	-	1,160	1,160	-	
Development Projects															
4	5162080961	Roxborough Park Intensification		1,500	-	-	1,500	-	-	-	-	-	-	-	
Sub-Total Development Projects				1,500	-	-	1,500	-	-	-	-	-	-	-	
Maintenance Projects															
5, 6	5161968920	Fennell/Greenhill Drop Shaft		500	-	-	-	-	-	-	-	500	500	-	
Sub-Total Maintenance Projects				500	-	-	-	-	-	-	-	500	500	-	
Master Plan															
City Wide	5161555264	City-Wide Wastewater Master Plan		300	-	-	270	-	-	-	-	30	30	-	
City Wide	5162055010	Wastewater Systems Planning Program		380	-	-	-	-	-	-	-	380	380	-	
Sub-Total Master Plan				680	-	-	270	-	-	-	-	410	410	-	
Master Plan - Horizontal Assets															
11	5161696452	Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	*	26,800	-	-	26,800	-	-	-	-	-	-	-	
Sub-Total Master Plan - Horizontal Assets				26,800	-	-	26,800	-	-	-	-	-	-	-	

City of Hamilton
Wastewater System
2020 Capital Budget Project List
(000's)

Appendix "D" to Item 2 of GIC Report 19-025
Page 2 of 4

														Financing Sources	
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	From Operating	Debt	
Master Plan - Vertical Assets															
15	5161796786	First Street (Waterdown Sanitary) PS Upgrade DC014		1,050	-	-	640	-	-	-	-	410	410	-	
City Wide	5162055050	Municipal Class EA Studies		400	-	-	-	-	-	-	-	400	400	-	
City Wide	5162095800	Flooding & Drainage Master Plan Capital Improvements		880	-	-	-	-	-	-	-	880	880	-	
Sub-Total Master Plan - Vertical Assets				2,330	-	-	640	-	-	-	-	1,690	1,690	-	
Outstations-Sustainable Asset Mgt (SAM)															
12	5161267270	Ancaster Wastewater Outstations Upgrades		110	-	-	-	-	-	-	-	110	110	-	
13	5161267273	Dundas Wastewater Outstations Upgrades		600	-	-	-	-	-	-	-	600	600	-	
12, 13, 15	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades		1,500	-	-	-	-	-	-	-	1,500	1,500	-	
4	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades		10	-	-	-	-	-	-	-	10	10	-	
11	5161967123	AEGD Infrastructure Growth Initiative (English Church Road Area)		4,000	-	-	4,000	-	-	-	-	-	-	-	
5	5162067065	Eastport Drive SPS (HC017) Upgrades		390	-	-	-	-	-	-	-	390	390	-	
15	5162067275	FC001 Elgin Street Sewage Pumping Station		550	-	-	-	-	-	-	-	550	550	-	
4, 12, 15	5162067375	Minor Upgrades to SPS Outstations		170	-	-	-	-	-	-	-	170	170	-	
12	5162067425	Hillside SPS (DC006) Upgrades		280	-	-	-	-	-	-	-	280	280	-	
City Wide	5162067752	Wastewater Outstation Inspections - Asset Management Program		520	-	-	-	-	-	-	-	520	520	-	
Sub-Total Outstations-Sustainable Asset Mgt (SAM)				8,130	-	-	4,000	-	-	-	-	4,130	4,130	-	
Plans/Studies															
City Wide	5162055801	Woodward WWTP Facility Plan		350	-	-	-	-	-	-	-	350	350	-	
City Wide	5162062543	CSO Characterization Program		450	-	-	-	-	-	-	-	450	450	-	
Sub-Total Plans/Studies				800	-	-	-	-	-	-	-	800	800	-	
Plant - Sustainable Asset Mgt (SAM)															
City Wide	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	*	1,750	-	-	1,750	-	-	-	-	-	-	-	
City Wide	5161966511	Woodward WWTP - Digester #5 (CASH FLOWED)		2,500	-	-	-	-	-	-	-	2,500	2,500	-	
City Wide	5162066311	Woodward WWTP - Digester #3 (CASH FLOWED)		250	-	-	-	-	-	-	-	250	250	-	
City Wide	5162066813	Dundas WWTP - Health & Safety Immediate Needs		4,900	-	-	-	-	-	1,150	-	3,750	3,750	-	
City Wide	5162067420	Main & King CSO Rehabilitation		350	-	-	-	-	-	-	-	350	350	-	
Sub-Total Plant - Sustainable Asset Mgt (SAM)				9,750	-	-	1,750	-	-	1,150	-	6,850	6,850	-	
Plant - Wastewater Investment Needs (WINS)															
City Wide	5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	*	100,631	65,736	-	5,096	12,120	-	-	-	17,679	2,579	15,100	
City Wide	5160966910	Woodward WWTP - Biosolids Management Facility	*	28,030	14,300	-	2,590	11,140	-	-	-	-	-	-	
City Wide	5162069075	City Environmental Lab Improvements Program		150	-	-	-	-	-	-	-	150	150	-	
Sub-Total Plant - Wastewater Investment Needs (WINS)				128,811	80,036	-	7,686	23,260	-	-	-	17,829	2,729	15,100	
Rehabilitation Project															
12	5161960942	Ancaster Sewage Works Pipeline CIPP Rehab - CASH FLOW		500	-	-	-	-	-	-	-	500	500	-	
5	5162060044	Battlefield Creek Major Trunk Cleaning & Condition Assessment		250	-	-	-	-	-	-	-	250	250	-	

City of Hamilton
Wastewater System
2020 Capital Budget Project List
(000's)

Appendix "D" to Item 2 of GIC Report 19-025
Page 3 of 4

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	5162060302	Emergency Repairs - Cross Connections Program		700	-	-	-	-	-	-	-	700	700	-
City Wide	5162060390	Wastewater System Lining Program		4,050	-	-	-	-	-	-	-	4,050	4,050	-
City Wide	5162060522	Sewer Lateral Management Program (WWC)		4,250	-	-	-	-	-	-	-	4,250	4,250	-
City Wide	5162060533	Trenchless Manhole Rehabilitation		70	-	-	-	-	-	-	-	70	70	-
City Wide	5162060574	Pre-Construction Mainline Condition Assessment		500	-	-	-	-	-	-	-	500	500	-
City Wide	5162060575	Mainline Sewer Condition Assessment Program		1,640	-	-	-	-	-	-	-	1,640	1,640	-
City Wide	5162060576	Sewer Lateral Condition Assessment Program		540	-	-	-	-	-	-	-	540	540	-
City Wide	5162060577	Mainline Sewer Condition Assessment for Compliance & Regulations		100	-	-	-	-	-	-	-	100	100	-
5, 9	5162061051	Satellite City Trunk Sewer Rehabilitation		8,750	-	-	-	-	-	-	-	8,750	6,950	1,800
	Sub-Total Rehabilitation Project			21,350	-	-	-	-	-	-	-	21,350	19,550	1,800
Repairs														
City Wide	5162060820	Open Cut Repairs for CIPP Program		500	-	-	-	-	-	-	-	500	500	-
	Sub-Total Repairs			500	-	-	-	-	-	-	-	500	500	-
Replacement Project														
City Wide	5162061444	Sewer Lateral Replace/Rehab Program		3,600	-	-	-	-	-	-	-	3,600	3,600	-
City Wide	5162061740	Unscheduled Manhole and Sewermain Replacement Program		500	-	-	-	-	-	-	-	500	500	-
City Wide	5162071015	Sewer Lateral Replacement for Co-ordinated Projects		270	-	-	-	-	-	-	-	270	270	-
City Wide	5162071074	Contingency for Unscheduled Works Program		180	-	-	-	-	-	-	-	180	180	-
	Sub-Total Replacement Project			4,550	-	-	-	-	-	-	-	4,550	4,550	-
Restorations														
City Wide	5162011101	Road Restoration Program		1,800	-	-	-	-	-	-	-	1,800	1,800	-
	Sub-Total Restorations			1,800	-	-	-	-	-	-	-	1,800	1,800	-
Technical Services Projects														
City Wide	4032055522	State of the Infrastructure - Asset Management		100	-	-	-	-	-	100	-	-	-	-
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development		75	-	-	-	-	-	-	-	75	75	-
City Wide	5162049555	QA-QC Service Contract Program		140	-	-	-	-	-	-	-	140	140	-
City Wide	5162055022	Engineering Consultant Sewermain Projects		300	-	-	-	-	-	-	-	300	300	-
City Wide	5162055556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-
City Wide	5162055878	Forcemain Condition Assessment Program		270	-	-	-	-	-	-	-	270	270	-
City Wide	5162055880	Inflow & Infiltration Studies and Flow Monitoring Program		500	-	-	251	-	-	-	-	249	249	-
	Sub-Total Technical Services Projects			1,425	-	-	251	-	-	100	-	1,074	1,074	-
Upgrade Projects														
City Wide	5162062073	Field Data Systems Program		110	-	-	-	-	-	60	-	50	50	-
	Sub-Total Upgrade Projects			110	-	-	-	-	-	60	-	50	50	-
Water Quality Initiatives (WQI)														
City Wide	5161468422	Randle Reef Sediment Remediation (CASH FLOWED)		550	-	-	-	-	-	-	-	550	550	-

Appendix "D" to Item 2 of GIC Report 19-025
Page 4 of 4

Waterfront Initiatives

City Wide 5162055800 Sewer Outfall Monitoring Study

Sub-Total Waterfront Initiatives

Total All Projects

* DC
Debt

City of Hamilton
Storm Water Management
2020 Capital Budget Project List
(000's)

Appendix "E" to Item 2 of GIC Report 19-025
Page 1 of 2

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
Annual Projects														
City Wide	4032058001	Consultation and Accommodation		30	-	-	-	-	-	-	-	30	30	-
City Wide	5182001099	Engineering Services Staffing Costs - Storm		1,100	-	-	-	-	-	-	-	1,100	1,100	-
		Sub-Total Annual Projects		1,130	-	-	-	-	-	-	-	1,130	1,130	-
Building - New Construction														
5	5182067875	Beach Strip Stormwater Pumping Stations (CASH FLOWED)		300	-	-	-	-	-	-	-	300	300	-
		Sub-Total Building - New Construction		300	-	-	-	-	-	-	-	300	300	-
Coordinated - Network Extension Projects														
9	5182080089	Rymal - Fletcher to Upper Centennial		1,100	-	-	935	-	-	-	-	165	165	-
		Sub-Total Coordinated - Network Extension Projects		1,100	-	-	935	-	-	-	-	165	165	-
Coordinated - Replacement Projects														
13, 14	5182070001	Highway 8 - Woodley's Lane to Hillcrest - Road Restoration		920	-	-	-	-	-	-	-	920	920	-
13	5182070002	Highway 8 - Hillcrest to Park - Road Restoration		660	-	-	-	-	-	-	-	660	660	-
13	5182072293	Highway 8 - Hillcrest to Park		300	-	-	-	-	-	-	-	300	300	-
13, 14	5182072295	Highway 8 - Woodley's Lane to Hillcrest		1,590	-	-	-	-	-	530	-	1,060	1,060	-
		Sub-Total Coordinated - Replacement Projects		3,470	-	-	-	-	-	530	-	2,940	2,940	-
Coordinated - Upgrade Projects														
15	5182072092	Cedar / Fern / Braeheid		100	-	-	-	-	-	-	-	100	100	-
		Sub-Total Coordinated - Upgrade Projects		100	-	-	-	-	-	-	-	100	100	-
Development Projects														
8	5181480486	SWMP - St. Elizabeth Ponds		200	-	-	200	-	-	-	-	-	-	-
15	5182080082	SWMP - W19 (Parkside Hills Phase 2)	*	3,740	-	-	3,740	-	-	-	-	-	-	-
9	5182080086	SWMP - SM2 (Red Hill Phase 3/4)	*	4,120	-	-	4,120	-	-	-	-	-	-	-
11	5182080087	SWMP - B-10 (Lancaster Subdivision)	*	9,960	-	-	9,960	-	-	-	-	-	-	-
City Wide	5182080090	Storm Water Management Program		4,000	-	-	4,000	-	-	-	-	-	-	-
		Sub-Total Development Projects		22,020	-	-	22,020	-	-	-	-	-	-	-
Maintenance Projects														
15	5182074950	Watercourse and Drainage Channel Maintenance		810	-	-	-	-	-	-	-	810	810	-
City Wide	5182074951	Shoreline Protection Program		400	-	-	-	-	-	-	-	400	400	-
		Sub-Total Maintenance Projects		1,210	-	-	-	-	-	-	-	1,210	1,210	-
Master Plan - Vertical Assets														
City Wide	5182095800	Flooding & Drainage Master Plan Capital Improvements		880	-	-	-	-	-	-	-	880	880	-
		Sub-Total Master Plan - Vertical Assets		880	-	-	-	-	-	-	-	880	880	-
Operations & Maintenance														
15	5181972940	Evans Road Culvert Twinning		540	-	-	-	-	-	-	-	540	540	-

City of Hamilton
Storm Water Management
2020 Capital Budget Project List
(000's)

Appendix "E" to Item 2 of GIC Report 19-025
Page 2 of 2

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
15	5182017040	Highway 97 - Culvert Improvement Project		180	-	-	-	-	-	-	-	180	180	-
City Wide	5182060622	SWM Facility Maintenance Program		1,700	-	-	-	-	-	-	-	1,700	1,700	-
10, 11, 12, 13, 14,	5182060722	Municipal Drain Program		610	-	370	-	-	-	-	-	240	240	-
<i>Sub-Total Operations & Maintenance</i>				3,030	-	370	-	-	-	-	-	2,660	2,660	-
Programs & Contracts T.O.M.														
City Wide	5182017152	Right of Way Drainage Program		1,400	-	-	-	-	-	-	-	1,400	1,400	-
City Wide	5182017458	Catch Basin Replacement/Rehabilitation Program		500	-	-	-	-	-	-	-	500	500	-
<i>Sub-Total Programs & Contracts T.O.M.</i>				1,900	-	-	-	-	-	-	-	1,900	1,900	-
Rehabilitation Project														
City Wide	5182060533	Trenchless Manhole Rehabilitation		70	-	-	-	-	-	-	-	70	70	-
13	5182061046	Osler Dr Outfall @ Grant Blvd		100	-	-	-	-	-	-	-	100	100	-
<i>Sub-Total Rehabilitation Project</i>				170	-	-	-	-	-	-	-	170	170	-
Replacement Project														
City Wide	5181767723	Pumping Stations		600	-	-	-	-	-	-	-	600	600	-
City Wide	5182017549	Concrete Box Culvert Rehab/Repair - T.O.M.		250	-	-	-	-	-	-	-	250	250	-
City Wide	5182017550	Concrete Box Culvert Rehab/Repair - Engineering Services		250	-	-	-	-	-	-	-	250	250	-
City Wide	5182061740	Unscheduled Manhole and Sewermain Replacement Program		50	-	-	-	-	-	-	-	50	50	-
<i>Sub-Total Replacement Project</i>				1,150	-	-	-	-	-	-	-	1,150	1,150	-
SERG														
13	5181823155	South St E and East St S in Dundas Drainage Improvement - SERG		110	-	-	-	-	-	-	-	110	110	-
11	5181872295	SERG - Winona Area Drainage Improvements		100	-	-	-	-	-	-	-	100	100	-
City Wide	5182055421	Stormwater System Planning Program		380	-	-	-	-	-	-	-	380	380	-
5	5182155101	SERG - Stoney Creek & Battlefield Creek Flood and Erosion Control		250	-	-	-	-	-	-	-	250	250	-
<i>Sub-Total SERG</i>				840	-	-	-	-	-	-	-	840	840	-
Technical Services Projects														
City Wide	4032055522	State of the Infrastructure - Asset Management		100	-	-	-	-	-	100	-	-	-	-
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development		50	-	-	-	-	-	-	-	50	50	-
City Wide	5181555422	City Wide GRIDS II Stormwater Master Plan		300	-	-	240	-	-	-	-	60	60	-
City Wide	5182049555	QA-QC Service Contract Program		140	-	-	-	-	-	-	-	140	140	-
City Wide	5182055556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-
City Wide	5182057545	Stormwater Computer Model		1,080	-	-	-	-	-	-	-	1,080	1,080	-
<i>Sub-Total Technical Services Projects</i>				1,710	-	-	240	-	-	100	-	1,370	1,370	-
Upgrade Projects														
City Wide	5182055825	Stormwater Drainage Analysis and Conceptual Design for Road Corridor Upgrades		760	-	-	-	-	-	-	-	760	760	-
City Wide	5182062073	Field Data Systems Program		110	-	-	-	-	-	-	-	110	110	-
<i>Sub-Total Upgrade Projects</i>				870	-	-	-	-	-	-	-	870	870	-
Total All Projects				39,880	-	370	23,195	-	-	630	-	15,685	15,685	-

* DC
Debt

CITY OF HAMILTON
2020 Rate Program Capital Budget Summary
(\$000'S)

							Financing Source	
							Contribution From Operating	External Borrowings (Debentures)
	Gross Costs	Subsidy/ Other Revenues	Development Charges	WIP / Other Internal Sources	Reserves	Net Cost		
2020 Sustainable Asset Management Strategy (SAM)								
Rehabilitation, Replacement & Upgrade Projects	76,010	370	-	560	-	75,080	58,690	1,800
Projects Coordinated with Roads Program	16,330	6,130	-	1,150	640	8,410	23,300	-
S.E.R.G. Projects	840	-	-	-	-	840	840	-
Treatment Plant/Outstations Projects	19,830	-	1,750	1,150	-	16,930	16,630	-
Treatment Plant/Outstations Projects-WQI	950	-	-	-	-	950	950	-
Watermain Lining	5,400	-	-	-	-	5,400	5,400	-
Sub-Total	119,360	6,500	1,750	2,860	640	107,610	105,810	1,800
Wastewater Investments Needs Strategies (WINS)								
Treatment Plant/Outstations Projects	128,811	80,036	7,686	-	23,260	17,829	2,729	15,100
Sub-Total	128,811	80,036	7,686	-	23,260	17,829	2,729	15,100
Master Plan								
Horizontal and Vertical Assets	39,010	223	35,946	-	-	2,841	2,841	-
Technical Service Projects	8,440	-	1,031	300	-	7,109	7,109	-
Sub-Total	47,450	223	36,977	300	-	9,950	9,950	-
Development Program								
Development/Extension Projects	34,360	-	30,195	-	4,000	165	165	-
Sub-Total	34,360	-	30,195	-	4,000	165	165	-
Total	329,981	86,759	76,608	3,160	27,900	135,554	118,654	16,900

CITY OF HAMILTON
2020 - 2029 WATER / WASTEWATER / STORM CAPITAL FINANCING PLAN
(\$'s)

	Restated 2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2020 - 2029
NET EXPENDITURES FORECAST												
WASTEWATER (NET)	42,837,000	69,573,000	83,757,000	81,749,000	55,374,000	52,379,000	58,704,000	63,479,000	68,364,000	68,470,000	65,440,000	667,289,000
WATER (NET)	66,103,000	50,296,000	72,253,000	73,753,000	63,516,000	81,700,000	97,211,000	84,917,000	72,832,000	90,002,000	107,861,000	794,341,000
STORM (NET)	3,205,000	15,685,000	14,382,000	15,775,000	15,975,000	17,595,000	9,875,000	16,385,000	38,630,000	34,735,000	35,215,000	214,252,000
TOTAL NET EXPENDITURES	112,145,000	135,554,000	170,392,000	171,277,000	134,865,000	151,674,000	165,790,000	164,781,000	179,826,000	193,207,000	208,516,000	1,675,882,000
SOURCE OF FINANCING												
DEBT ISSUES	14,341,000	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	135,700,000
TRANSFER FROM OPERATING	97,804,000	118,654,000	122,392,000	126,577,000	133,665,000	143,274,000	153,190,000	163,281,000	177,426,000	193,207,000	208,516,000	1,540,182,000
TOTAL CAPITAL FINANCING	112,145,000	135,554,000	170,392,000	171,277,000	134,865,000	151,674,000	165,790,000	164,781,000	179,826,000	193,207,000	208,516,000	1,675,882,000
OPERATING BUDGET IMPACT												
TRANSFER FROM OPERATING	97,804,000	118,654,000	122,392,000	126,577,000	133,665,000	143,274,000	153,190,000	163,281,000	177,426,000	193,207,000	208,516,000	1,540,182,000
DC EXEMPTION FUNDING	9,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	80,000,000
DEBT CHARGES (NET)	19,365,685	19,682,108	25,295,182	32,246,955	36,943,695	38,456,182	39,081,885	39,379,712	37,784,300	35,328,058	35,168,939	339,367,017
TOTAL CAPITAL FINANCING COSTS	126,169,685	146,336,108	155,687,182	166,823,955	178,608,695	189,730,182	200,271,885	210,660,712	223,210,300	236,535,058	251,684,939	1,959,549,017

CITY OF HAMILTON
2020- 2029 CAPITAL FINANCING CHARGES - RATE PROGRAMS
(\$'s)

	Restated 2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2020 - 2029
Wastewater												
Existing External Debt Charges	8,259,325	8,295,616	8,121,035	7,948,226	7,728,980	7,506,821	7,327,765	7,150,424	6,588,871	5,190,079	5,060,580	70,918,397
Existing - Recovery from DC's	-253,901	-271,296	-268,136	-264,824	-215,275	-165,624	-161,917	-158,163	-154,298	-150,383	-146,404	-1,956,321
New External Debt Charges - Funded from Rates	445,234	1,229,884	4,258,071	7,796,872	10,010,967	10,484,564	10,484,564	10,484,564	10,542,369	10,600,174	10,600,174	86,492,202
New External Debt Charges - Funded from DC's	1,415,821	1,988,874	5,845,134	9,091,350	11,366,309	12,410,086	12,705,379	16,660,054	24,213,931	31,707,626	35,475,737	161,464,479
Recovery from DC's	-1,415,821	-1,988,874	-5,845,134	-9,091,350	-11,366,309	-12,410,086	-12,705,379	-16,660,054	-24,213,931	-31,707,626	-35,475,737	-161,464,479
Contribution to Capital	42,837,000	52,673,000	55,057,000	54,249,000	54,174,000	52,379,000	58,704,000	63,479,000	67,164,000	68,470,000	65,440,000	591,789,000
DC Exemption Funding	4,590,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	4,080,000	40,800,000
Subtotal	55,877,658	66,007,204	71,247,970	73,809,274	75,778,672	74,284,760	80,434,412	85,035,824	88,220,941	88,189,871	85,034,351	788,043,278
% Incr (Decr) from Previous Year	-3%	18%	8%	4%	3%	-2%	8%	6%	4%	0%	-4%	
Water												
Existing External Debt Charges	7,409,901	7,379,737	7,217,846	7,054,799	6,880,544	6,702,952	6,534,526	6,369,135	5,187,000	4,053,873	3,949,285	61,329,697
Existing - Recovery from DC's	-58,344	-62,618	-61,954	-61,251	-48,216	-35,154	-34,358	-33,548	-32,712	-31,863	-31,000	-432,675
New External Debt Charges - Funded from Rates	1,434,561	858,711	3,505,837	6,981,506	9,527,473	10,790,821	11,802,416	12,481,629	12,553,885	12,553,885	12,553,885	93,610,049
New External Debt Charges - Funded from DC's	918,025	355,495	2,357,547	5,084,391	6,363,418	6,883,931	8,524,331	11,013,175	13,120,506	14,057,619	14,057,619	81,818,030
Recovery from DC's	-918,025	-355,495	-2,357,547	-5,084,391	-6,363,418	-6,883,931	-8,524,331	-11,013,175	-13,120,506	-14,057,619	-14,057,619	-81,818,030
Contribution to Capital	51,762,000	50,296,000	52,953,000	56,553,000	63,516,000	73,300,000	84,611,000	83,417,000	72,832,000	90,002,000	107,861,000	735,341,000
DC Exemption Funding	2,547,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	2,240,000	22,400,000
Subtotal	63,095,118	60,711,831	65,854,728	72,768,055	82,115,801	92,998,619	105,153,583	104,474,216	92,780,173	108,817,895	126,573,170	912,248,071
% Incr (Decr) from Previous Year	32%	-4%	8%	10%	13%	13%	13%	-1%	-11%	17%	16%	
Storm												
Existing External Debt Charges	2,152,705	2,303,036	2,261,712	2,218,943	2,174,438	2,128,860	2,081,704	2,034,189	1,985,472	1,936,291	1,886,251	21,010,897
Existing - Recovery from DC's	-185,049	-205,023	-201,408	-197,617	-193,636	-189,538	-185,295	-180,997	-176,573	-172,090	-167,535	-1,869,711
New External Debt Charges - Funded from Rates	161,253	154,060	462,180	770,300	1,078,421	1,232,481	1,232,481	1,232,481	1,290,286	1,348,091	1,463,702	10,264,482
New External Debt Charges - Funded from DC's	1,636,096	942,901	2,193,983	2,730,104	3,185,982	3,413,921	3,413,921	3,413,921	3,413,921	3,420,825	3,427,730	29,557,207
Recovery from DC's	-1,636,096	-942,901	-2,193,983	-2,730,104	-3,185,982	-3,413,921	-3,413,921	-3,413,921	-3,413,921	-3,420,825	-3,427,730	-29,557,207
Contribution to Capital	3,205,000	15,685,000	14,382,000	15,775,000	15,975,000	17,585,000	9,875,000	16,385,000	37,430,000	34,735,000	35,215,000	213,052,000
DC Exemption Funding	1,663,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	16,800,000
Subtotal	7,196,909	19,617,074	18,584,484	20,246,626	20,714,223	22,446,802	14,683,890	21,150,672	42,209,185	39,527,292	40,077,419	259,257,668
% Incr (Decr) from Previous Year	-37%	173%	-5%	9%	2%	8%	-35%	44%	100%	-6%	1%	
TOTAL FINANCING CHARGES	126,169,685	146,336,108	155,687,182	166,823,955	178,608,695	189,730,182	200,271,885	210,660,712	223,210,300	236,535,058	251,684,939	1,959,549,017
% Incr (Decr) from Previous Year	8%	16%	6%	7%	7%	6%	6%	5%	6%	6%	6%	
Total Rate Funded Debt Charges	19,365,685	19,682,108	25,295,182	32,246,955	36,943,695	38,456,182	39,081,885	39,379,712	37,784,300	35,328,058	35,168,939	339,367,017
Total DC Funded Debt Charges	4,467,237	3,826,205	10,928,162	17,429,536	21,372,836	23,098,254	25,025,199	31,459,858	41,111,941	49,540,406	53,306,025	277,098,424

**HAMILTON WATER
2020 RATE SUPPORTED STAFFING SUMMARY**

Deptid	Deptid Description	2019 REQUESTED	2019* RESTATED	2020 MAINTENANCE	2020 PROGRAM CHANGES	2020 REQUESTED	2020 REQUESTED vs. 2019 RESTATED
510200	Director Hamilton Water	3.00	3.00	3.00	0.00	3.00	0.00
510203	WWW Operations Director	2.00	2.00	2.00	0.00	2.00	0.00
510205	Woodward Upgrades	11.00	11.00	11.00	4.00	15.00	4.00
510210	Customer Service & Community Outreach	2.00	2.00	2.00	0.00	2.00	0.00
510215	Education & Outreach	5.65	5.65	5.65	0.00	5.65	0.00
510220	Service Co-ordination	21.00	21.00	21.00	0.00	21.00	0.00
510230	Engineering Systems & Data Collection	9.00	9.00	9.00	0.00	9.00	0.00
510240	Compliance & Regulations	7.00	7.00	7.00	0.00	7.00	0.00
510250	Laboratory Services	26.00	26.00	26.00	0.00	26.00	0.00
510260	Environmental Monitoring & Enforcement	13.00	13.00	13.00	0.00	13.00	0.00
510270	Water Distribution (WD) & Wastewtr Collection (WWC) *	6.00	12.00	12.00	6.00	18.00	6.00
510275	WD & WWC Contracts	20.00	20.00	20.00	0.00	20.00	0.00
510280	WD & WWC Construction	23.00	23.00	23.00	0.00	23.00	0.00
510285	WD & WWC Maintenance	20.00	20.00	20.00	0.00	20.00	0.00
510290	WD & WWC Operations	20.00	20.00	20.00	0.00	20.00	0.00
510300	WWW Planning & Capital Director	2.00	2.00	2.00	0.00	2.00	0.00
510305	Sustainable Initiatives	7.00	7.00	7.00	0.00	7.00	0.00
510310	Plant Operations & Maintenance	8.00	8.00	8.00	0.00	8.00	0.00
510320	Plant Maintenance	35.00	35.00	35.00	0.00	35.00	0.00
510330	Plant Operations	37.00	37.00	37.00	0.00	37.00	0.00
510340	Capital Delivery	13.00	13.00	13.00	0.00	13.00	0.00
510350	Infrastructure Planning and System Design	17.00	17.00	17.00	2.00	19.00	2.00
Total RATE Supported Staff		307.65	313.65	313.65	12.00	325.65	12.0

Note: * Stormwater portfolio moved from Transportation Operations & Maintenance to HW after the budget was approved in 2019

2020 Rate Budget - Business Case Summary

DEPARTMENT: Public Works

DIVISION	SERVICE / PROGRAM	DESCRIPTION OF PROGRAM ENHANCEMENT	2020 IMPACT			ANNUALIZED IMPACT
			\$ GROSS	\$ NET	FTE Impact	\$ NET
Hamilton Water	Woodward Upgrades Operational Support	Maintenance Operators required to support Woodward Upgrades Project	\$ 440,000	\$ -	4.00	\$ -
Hamilton Water	Water & Wastewater Systems Planning	Project Manager Stormwater & Data Modeller Tech for stormwater systems infrastructure planning, computer modelling and related data analysis	\$ 246,000	\$ -	2.00	\$ -
Hamilton Water	Water Distribution	A 7th Supervisor was approved on a temporary basis in 2017 and requested to report back in 2020 <u>NOTE:</u> Council approved a 3 year temporary assignment and requested we report back in 2020	\$ 139,000	\$ -	1.00	\$ -
Divn Subtotal			\$ 825,000	\$ -	7.00	\$ -
DEPARTMENT TOTAL			\$ 825,000	\$ -	7.00	\$ -

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 2020 calendar (part-year) impact is significantly different due to delayed implementation.