



**GENERAL ISSUES COMMITTEE
2018 TAX CAPITAL & RATE BUDGETS
REPORT 17-022**

9:30 a.m.

November 10, 17, 24 and December 1, 2017
Council Chambers
Hamilton City Hall
71 Main Street West

November 10, 2017 – 17-022(a):

Present: Mayor F. Eisenberger, Deputy Mayor B. Johnson (Chair)
Councillors T. Jackson, D. Skelly, S. Merulla, M. Green, J. Farr,
A. Johnson, D. Conley, M. Pearson, L. Ferguson, A. VanderBeek,
J. Partridge

**Absent
with Regrets:** Councillors Collins, Pasuta, Whitehead - Personal

November 17, 2017 – 17-022(b):

Present: Mayor F. Eisenberger, Deputy Mayor B. Johnson (Chair)
Councillors D. Skelly, T. Jackson, C. Collins, S. Merulla,
M. Green, A. Johnson, D. Conley, L. Ferguson, A. VanderBeek,
R. Pasuta, J. Partridge

**Absent
with Regrets:** Councillors J. Farr, M. Pearson – Personal
Councillor T. Whitehead – Other City Business

November 24, 2017 – 17-022(c):

Present: Mayor F. Eisenberger, Acting Deputy Mayor J. Farr (Chair)
Councillors T. Whitehead, D. Skelly, T. Jackson, C. Collins,
S. Merulla, M. Green, A. Johnson, D. Conley, M. Pearson,
L. Ferguson, A. VanderBeek, R. Pasuta, J. Partridge

**Absent
with Regrets:** Councillor B. Johnson – Personal

December 1, 2017 – 17-022(d):

Present: Mayor F. Eisenberger, Deputy Mayor R. Pasuta (Chair)
Councillors T. Whitehead, D. Skelly, T. Jackson, C. Collins, S. Merulla,
J. Farr, M. Green, A. Johnson, D. Conley, M. Pearson, B. Johnson,
A. VanderBeek, J. Partridge

**Absent
with Regrets:** Councillor L. Ferguson – Other City Business

**THE GENERAL ISSUES COMMITTEE PRESENTS REPORT 17-022 AND
RESPECTFULLY RECOMMENDS:**

**1. Alectra Utilities Water, Wastewater and Storm 2017 Service Activity Report
(FCS17080) (City Wide) (Item 5.1)**

That Report FCS17080, respecting the Alectra Utilities Water, Wastewater and Storm 2017 Service Activity Report, be received.

**2. 2018 Recommended Water, Wastewater and Stormwater Budget
(FCS17081) (City Wide) (Item 5.2)**

(a) That the metered water consumption charges for residential properties in the City of Hamilton be imposed at the following rates, as of January 1, 2018:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.75
10 +	1.49

- (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 \$1.49 per cubic metre, as of January 1, 2018;
- (c) That daily water fixed charges for all properties in the City of Hamilton be imposed at the following rates, as of January 1, 2018:

Meter Size	Daily Water Rate
15 mm	\$ 0.34
16 mm	\$ 0.34
20 mm	\$ 0.34
25 mm	\$ 0.85
38 mm	\$ 1.70
50 mm	\$ 2.72
75 mm	\$ 5.44
100 mm	\$ 8.50
150 mm	\$ 17.00
200 mm	\$ 27.20
250 mm	\$ 39.10
300 mm	\$ 57.80

- (d) That the wastewater / storm treatment charges for residential properties in the City of Hamilton be imposed at the following rates, effective January 1, 2018:

Monthly Water Consumption (m3)	Rate (\$/m3)
0 – 10	0.81
10 +	1.61

- (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 \$1.61 per cubic metre, effective January 1, 2018;

- (f) That daily wastewater / storm fixed charges for all properties in the City of Hamilton be imposed at the following rates, effective January 1, 2018:

Meter Size	Daily Wastewater/Storm Rate
15 mm	\$ 0.36
16 mm	\$ 0.36
20 mm	\$ 0.36
25 mm	\$ 0.90
38 mm	\$ 1.80
50 mm	\$ 2.88
75 mm	\$ 5.76
100 mm	\$ 9.00
150 mm	\$ 18.00
200 mm	\$ 28.80
250 mm	\$ 41.40
300 mm	\$ 61.20

- (g) That the residential non-metered annual water rate be imposed at the flat rate of \$543.85 per annum, effective January 1, 2018;
- (h) That the residential non-metered annual wastewater/storm rate be imposed at the flat rate of \$587.65 per annum, effective January 1, 2018;
- (i) That the residential combined non-metered annual water and wastewater/storm rate be imposed at the flat rate of \$1,131.50 per annum, effective January 1, 2018;
- (j) That the Private Fire Line rates be imposed at the following rates, effective January 1, 2018:

Connection Size		Monthly Rate
mm	inches	
25	1.0	\$ 3.28
38	1.5	\$ 7.54
50	2.0	\$ 13.12
75	3.0	\$ 29.52
100	4.0	\$ 52.48
150	6.0	\$ 118.08
200	8.0	\$ 209.92
250	10.0	\$ 209.92
300	12.0	\$ 209.92

- (k) That the 2018 Water, Wastewater and Storm Proposed User Fees and Charges be imposed as per Appendix "A" to Report 17-022, effective January 1, 2018;
- (l) That the 2018 Water, Wastewater and Stormwater Rate Supported Operating Budget in the amount of \$210,862,294, be approved as per Appendix "B" to Report 17-022;
- (m) That the 2019 to 2021 Multi-year Operating Budget for the Water, Wastewater and Stormwater programs and related rate increases required to meet sustainable financing, as identified in the 2018-2027 Water, Wastewater and Stormwater Rate Supported Operating Budget forecast in Appendix "B" to Report 17-022, be approved, in principle;
- (n) That the 2022 to 2027 Multi-year Operating Budget for the Water, Wastewater and Stormwater programs and related rate increases required to meet sustainable financing, as identified in the 2018-2027 Water, Wastewater and Stormwater Rate Supported Operating Budget forecast in Appendix "B" to Report 17-022, be received for information;
- (o) That the 2018 Water, Wastewater and Stormwater Rate Supported Capital Budget and Financing Plan in the amount of \$219,277,000, be approved as per Appendices "C", "D", "E" and "F" to Report 17-022;
- (p) That the 2019 to 2021 Multi-year Capital Budget Forecast and Financing Plan for Water, Wastewater and Stormwater Rate Supported Capital Budget as identified in Appendix "G" to Report 17-022 be adopted, in principle;
- (q) That the 2022 to 2027 Multi-year Capital Budget Forecast and Financing Plan for Water, Wastewater and Stormwater Rate Supported Capital Budget as identified in Appendix "G" to Report 17-022, be received for information;
- (r) That the City Solicitor be authorized and directed to prepare, for Council approval, all necessary by-laws respecting the 2018 water and wastewater / storm user fees, charges and rates set out in recommendations (a) through (k) of Report FCS17081; and,
- (s) That Project 4411506103 Pier 8 Pumping Station originally approved to be funded by tax supported debt in the amount of \$3 M be now funded from Wastewater Reserve 108005.

3. Woodward Upgrade Project - Services During Construction Fees (PW17092) (City Wide) (Item 6.1)

That Report PW17092, respecting the Woodward Upgrade Project services during construction fees, be received.

4. Parks North Yard at Bayfront Park Servicing West Harbour (PW17093) (City Wide) (Item 8.1)

That Report PW17093, respecting the Parks North Yard at Bayfront Park Servicing West Harbour, be received.

5. Surplus School Property at 155 East 26th Street known as Eastmount Park Elementary School (PW17094) (Ward 7) (Item 8.2)

That Report PW17094, respecting the Surplus School Property at 155 East 26th Street known as Eastmount Park Elementary School, be received.

6. Consolidation and Disposition of Municipal Community Halls (PW17104 / CES17048) (City Wide) (Item 8.3)

That Report PW17104 / CES17048, respecting the Consolidation and Disposition of Municipal Community Halls, be received.

7. Capital Lifecycle Renewal - Hamilton Convention Centre Exterior Structural Rehabilitation (PW17090) (City Wide) (Item 8.4)

That Report PW17090, respecting the Capital Lifecycle Renewal - Hamilton Convention Centre Exterior Structural Rehabilitation, be received.

8. Capital Lifecycle Renewal - First Ontario Centre Vertical Transportation (PW17095) (City Wide) (Item 8.5)

That Report PW17095, respecting the Capital Lifecycle Renewal - First Ontario Centre Vertical Transportation, be received.

9. Enterprise Kronos (HUR17017/FCS17093) (City Wide) (Outstanding Business List) (Item 8.6)

That Report HUR17017/FCS17093, respecting Enterprise Kronos, be received.

10. FirstOntario Centre Vertical Transportation (PW17095(a)/LS17043) (Item 12.1)

That Report PW17095(a)/LS17043, respecting FirstOntario Centre Vertical Transportation, remain confidential.

11. Capital Lifecycle Renewal – Hamilton Convention Centre Repairs (PW17090(a)/LS17044) (City Wide) (Item 12.2)

That Report PW17090(a)/LS17044, respecting the Capital Lifecycle Renewal – Hamilton Convention Centre Repairs, remain confidential.

12. 2018 Tax Supported Capital Budget (FCS17099) (City Wide) (Item 7.1)

- (a) That the 2018 Tax Supported Capital Levy in the amount of \$110,454,000 be approved;
- (b) That the 2018 Tax Supported Capital Budget and Financing Plan in the amount of \$236,028,000, attached as Appendix “H” to Report 17-022, be approved;
- (c) That the Tax Supported Discretionary Net Capital Funding Forecast 2018 – 2027, attached as Appendix “I” to Report 17-022, which assumes:
 - (i) a 0.5% Residential Property Tax increase in each year from 2019 to 2021; and,
 - (ii) an additional Property Tax increase of 0.66% in 2019 , 0.61% in 2020 and 0.27% in 2021 to fund the debt charges associated with the City’s share of Capital Levy Funding required for Public Transit Infrastructure Fund (PTIF) Capital Investments;

be approved, in principle, and re-visited by Council each budget year;

- (d) That the operating and Full Time Equivalent (FTE) impacts of the Gage Park Tropical House (4451451004), in the amount of \$65,000 and 0.67 FTE, included in Appendix "J" to Report 17-022, be incorporated into the 2018 Tax Supported Operating Budget, subject to approval of the 2018 Tax Supported Capital Budget funding of Gage Park Tropical House;
- (e) That the operating budget and FTE impacts of the 2018 Tax Supported Capital Budget, estimated to be \$2,206,990 and 15.77 FTEs, attached as Appendix "J" to Report 17-022, be incorporated into the 2019, or future, Tax Supported Operating Budgets;
- (f) That the reserve funding included in the 2018 Tax Supported Capital Budget totalling \$48,342,000 attached as Appendix "K" to Report 17-022, be approved;
- (g) That funding from previously approved projects (WIP's) included in the 2018 Tax Capital Budget totalling \$13,173,000, as attached in Appendix "L" to Report 17-022, be approved and any relevant projects be referred to the Capital Project Work-in-Progress Sub-Committee for closure;
- (h) That the General Manager, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s) in either a public or private market, and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$20,447,000 Canadian currency, which includes \$12,393,000 Canadian currency in Tax Supported debt and \$8,054,000 in Development Charges Supported debt;
- (i) That the General Manger, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s) in either a public or private market, and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$42,137,000, as attached in Appendix "M" to Report 17-022, which includes \$16,615,000 in Rate Supported debt and \$25,522,000 in Development Charges Supported debt;
- (j) That the General Manager, Finance and Corporate Services be authorized to engage all required professional services to secure the terms and issuance of the debenture issue(s) described in subsections (h) and (i) to include, but not be limited to, external legal counsel, fiscal agents, and Infrastructure Ontario's Loan Program;

- (k) That the General Manager, Finance and Corporate Services, the Mayor and the City Clerk be 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 (h), (i) and (j), in a form satisfactory to the City Solicitor;
- (l) That staff be directed to prepare the necessary By-Law(s) to authorize the debenture issue(s) negotiated, placed and secured in accordance with subsections (h), (i) and (j); and,
- (m) That the Erosion Leachate-Rennie Brampton project (5120392305) in the amount of \$913,000 be funded from the Working Capital Reserve.

13. 2018 a Tax Supported Capital Budget (FCS17099(a)) (City Wide) (Item 7.1(a))

Report FCS17099(a), respecting the 2018 a Tax Supported Capital Budget, was received.

14. Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027 (Item 8.1)

The Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027, was approved.

15. Capital Lifecycle Renewal – FirstOntario Centre Vertical Transportation (PW17095(b)) (City Wide) (Item 8.2)

That Option “A”, respecting the FirstOntario Centre Vertical Transportation, as shown below, be approved:

Option A:

Scope & Construction Value

- i. Replacement of 4 Existing Escalators with new escalators - \$1.3M
- ii. Remove 3 Escalators for replacement with Stairs - \$0.27M.

- iii. Refurbish Existing Passenger (1) & Freight (1) Elevators - \$1.04M.
- iv. Install New Passenger Elevator (SAI Option 1) - \$0.675M.
- v. Cash Allowances - \$0.200M.

Budget Subtotal	
Construction Value:	\$3.485M
<u>Soft Costs & Contingencies:</u>	<u>\$0.815M</u>
Total:	\$4.3M

16. Sports, Entertainment and Convention Venues Review (Item 9.1)

WHEREAS, the FirstOntario Concert Hall (formerly Hamilton Place), the Hamilton Convention Centre, and the FirstOntario Centre (formerly Copps Coliseum) were built in 1973, 1981, and 1985 respectively;

WHEREAS, these Sports, Entertainment, and Convention venues have been major sources of community use and enjoyment;

WHEREAS, these venues have attracted Canadian and International performances, major events, and millions of attendees to our city;

WHEREAS, these venues continue to drive significant economic value to the city's restaurants, bars, retail shops and hotels each year;

WHEREAS, the aging of these venues has created a significant and increasing need for capital reinvestment;

WHEREAS, the total annual capital funding envelope for all 3 venues is only \$800,000;

WHEREAS, it has been identified that the cost of immediate repairs needed to the Convention Centre's exterior is estimated at \$2 million;

WHEREAS, it has been identified that the cost to replace end of life escalators and elevators at FirstOntario Centre is estimated at \$4.3 million;

WHEREAS, a recent report, CM17008 regarding the updating of the FirstOntario Centre, identified that a partial upgrade to the existing facility with remodelling of key areas would cost an estimated \$68 million and a full transformation would cost an estimated \$252 million; and,

WHEREAS, a motion was approved by Council on March 9, 2016 to direct the City Manager to establish a task force of subject matter experts, to identify strategic opportunities and to achieve realizable outcomes related to the City's real estate interests;

THEREFORE BE IT RESOLVED:

- (a) That staff be directed to investigate the opportunities for the redevelopment of the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall, with the investigation to included, but not be limited to, an examination of:
 - (i) developers' interest in creating a sports and entertainment precinct; and,
 - (ii) potential for the precinct to include an arena, a convention centre, a concert hall, residential, and retail;
- (b) That the potential sale and/or transfer of ownership of the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall properties, as the City's financial contribution towards a future development, be considered;
- (c) That staff be directed to seek input from community stakeholders, industry experts, and comparator municipalities and report back to the General Issues Committee with recommendations regarding the scope of work and the process to move forward;
- (d) That staff be directed to conduct the appropriate due diligence in the event that staff receives an unsolicited proposal outlining a development proposal for any or all of the properties in question: the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall that secures private investment funds;
- (e) That any discussion regarding the location of a new arena not be limited to the Hamilton downtown core; and,
- (f) That an open, transparent and highly publized process, aimed at engaging citizens across the city for their input, be implemented.

FOR INFORMATION:

November 10, 2017:

(a) CHANGES TO THE AGENDA (Item 1)

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

1. ADDED DELEGATION REQUESTS (Item 4)

4.1 Don McLean, respecting the 2018 Capital Transit Budget (For the November 10, 2017 GIC Budget meeting.)

2. DELEGATIONS (Item 5)

This category has been added to the agenda as Item 5.

3. PRESENTATIONS (Item 6)

6.1 Item 4.1 - 2018 Transit Capital Presentation has been renumbered to Item 6.1.

The balance of the agenda has been renumbered accordingly.

The agenda for the November 10, 2017 General Issues Committee (Budget) meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 3)

(i) October 20, 2017 (Item 3.1)

The Minutes of the October 20, 2017 General Issues Committee (Budget) meeting were approved, as presented.

(d) DELEGATION REQUEST (Item 4)

(i) Don McLean, respecting the 2018 Capital Transit Budget (Item 4.1)

The delegation request, submitted by Don McLean, respecting the 2018 Capital Transit Budget, was approved to appear before the General Issues Committee on November 10, 2017.

The delegation by Don McLean, respecting the 2018 Capital Transit Budget, was heard after the staff presentation.

(e) DELEGATIONS (Item 5)

(i) Don McLean, respecting the 2018 Capital Transit Budget (Item 5.1)

Don McLean addressed Committee respecting the 2018 Capital Transit Budget.

The verbal presentation provided by Don McLean, respecting the 2018 Capital Transit Budget, was received.

(f) PRESENTATIONS (Item 6)

(i) 2018 Transit Capital Presentation (Item 6.1)

Debbie Dalle Vedove, Director of Transit, addressed Committee and provided a PowerPoint presentation respecting the 2018 Transit Capital Budget.

The presentation, respecting the 2018 Transit Capital 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.

(g) ADJOURNMENT (Item 13)

There being no further business, the General Issues Committee (Budget) adjourned at 11:56 a.m.

November 17, 2017 – 17-022(c):

(a) CHANGES TO THE AGENDA (Item 1)

There were no changes to the agenda.

The agenda for the November 17, 2017 General Issues Committee (Budget) meeting was approved, as presented

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 3)

(i) November 10, 2017 (Item 3.1)

The Minutes of the November 10, 2017 General Issues Committee (Budget) meeting were approved, as presented.

(d) PRESENTATIONS (Item 6)

(i) Alectra Utilities Water, Wastewater and Storm 2017 Service Activity Report (FCS17080) (City Wide) (Item 5.1)

Eileen Campbell, Vice President of Customer Service for Alectra Utilities, addressed Committee and provided a PowerPoint presentation respecting Report FCS17080 – the Alectra Utilities water, wastewater and storm 2017 service activity report.

The presentation, respecting the Report FCS17080 – the Alectra Utilities water, wastewater and storm 2017 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) **2018 Recommended Water, Wastewater and Stormwater Budget (FCS17081) (City Wide) (Item 5.2)**

Andrew Grice, Acting Director of Hamilton Water; and, Brian McMullan, Director of Financial Planning and Policy, addressed Committee and provide a PowerPoint presentation respecting Report FCS17081, the 2018 Recommended Water, Wastewater and Stormwater Budget.

The presentation, respecting Report FCS17081, the 2018 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.

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

(e) **ADJOURNMENT (Item 13)**

There being no further business, the General Issues Committee (Budget) adjourned at 11:41a.m.

November 24, 2017 – 17-022(d)

(a) **CHANGES TO THE AGENDA (Item 1)**

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

1. DISCUSSION ITEMS (Item 8)

The budget submissions for the following reports have been included in the 2018 Tax Capital Budget books and are included in Report FCS17009 (Item 7.1); making the recommendations in the following reports redundant as they are duplicate. Therefore, the following reports are to be "received" only, after any discussion has taken place:

- 8.1 Parks North Yard at Bayfront Park Servicing West Harbour (PW17093) (City Wide)
- 8.2 Surplus School Property at 155 East 26th Street known as Eastmount Park Elementary School (PW17094) (Ward 7)

- 8.3 Consolidation and Disposition of Municipal Community Halls (PW17104 / CES17048) (City Wide)
- 8.4 Capital Lifecycle Renewal - Hamilton Convention Centre Exterior Structural Rehabilitation (PW17090) (City Wide)
- 8.5 Capital Lifecycle Renewal - First Ontario Centre Vertical Transportation (PW17095) (City Wide)

The following report has been added and the budget submissions contained in Item 8.7 have not been included in the 2018 Tax Capital Budget books provided to Council:

- 8.7 Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027

2. NOTICES OF MOTION (Item 10)

- 10.1 Sports, Entertainment and Convention Venues Review

The agenda for the November 24, 2017 General Issues Committee (Budget) meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 3)

(i) November 17, 2017 (Item 3.1)

The Minutes of the November 17, 2017 General Issues Committee (Budget) meeting were approved, as presented.

(d) PRESENTATIONS (Item 6)

(i) 2018 Tax Supported Capital Budget (FCS17099) (City Wide) (Item 7.1)

Mike Zegarac, General Manager of Finance and Corporate Services, addressed Committee and provided a PowerPoint presentation respecting Report FCS17099 – 2018 Tax Supported Capital Budget.

The presentation, respecting the 2018 Tax Supported Capital 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.

Report FCS17099, respecting the 2018 Tax Supported Capital Budget, was TABLED to the December 1, 2017 General Issues Committee (Budget) meeting.

(e) DISCUSSION ITEMS (Item 8)

(i) Capital Lifecycle Renewal - Hamilton Convention Centre Exterior Structural Rehabilitation (PW17090) (City Wide) (Item 8.4)

Discussion of Report PW17090, respecting the Capital Lifecycle Renewal - Hamilton Convention Centre Exterior Structural Rehabilitation, was deferred until after discussion of Report PW17090(a)/LS17044, respecting Capital Lifecycle Renewal – Hamilton Convention Centre Repairs.

(ii) Capital Lifecycle Renewal - First Ontario Centre Vertical Transportation (PW17095) (City Wide) (Item 8.5)

Discussion of Report PW17095, respecting the Capital Lifecycle Renewal - First Ontario Centre Vertical Transportation, was deferred until after discussion of Report PW17090(a)/LS17044, respecting the Capital Lifecycle Renewal – Hamilton Convention Centre Repairs (PW17090(a)/LS17044).

(i) **Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027 (Item 8.7)**

The Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027, was TABLED to the December 1, 2017 General Issues Committee Budget meeting.

(f) **NOTICES OF MOTION (Item 10)**

Councillor Merulla introduced the following Notice of Motion:

(i) **Sports, Entertainment and Convention Venues Review (Item 10.1)**

WHEREAS, the FirstOntario Concert Hall (formerly Hamilton Place), the Hamilton Convention Centre, and the FirstOntario Centre (formerly Copps Coliseum) were built in 1973, 1981, and 1985 respectively;

WHEREAS, these Sports, Entertainment, and Convention venues have been major sources of community use and enjoyment;

WHEREAS, these venues have attracted Canadian and International performances, major events, and millions of attendees to our city;
WHEREAS, these venues continue to drive significant economic value to the city's restaurants, bars, retail shops and hotels each year;

WHEREAS, the aging of these venues has created a significant and increasing need for capital reinvestment;

WHEREAS, the total annual capital funding envelope for all 3 venues is only \$800,000;

WHEREAS, it has been identified that the cost of immediate repairs needed to the Convention Centre's exterior is estimated at \$2 million;

WHEREAS, it has been identified that the cost to replace end of life escalators and elevators at FirstOntario Centre is estimated at \$4.3 million;

WHEREAS, a recent report CM17008 regarding the updating of the FirstOntario Centre identified that a partial upgrade to the existing facility with remodelling of key areas would cost an estimated \$68 million and a full transformation would cost an estimated \$252 million;

WHEREAS, a motion was approved by Council on March 9, 2016 to direct the City Manager to establish a task force of subject matter experts, to identify strategic opportunities and to achieve realizable outcomes related to the City's real estate interests;

THEREFORE BE IT RESOLVED:

- (a) That staff be directed to investigate the opportunities for the redevelopment of the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall, with the investigation to included, but not be limited to, an examination of:
 - (i) developers' interest in creating a sports and entertainment precinct; and,
 - (ii) potential for the precinct to include an arena, a convention centre, a concert hall, condominiums, and retail; and,
- (b) That the potential transfer of ownership of the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall properties, as the City's financial contribution towards a future development, be considered;
- (c) That staff be directed to seek input from community stakeholders, industry experts, and comparator municipalities and report back to the General Issues Committee with recommendations regarding the scope of work and the process to move forward;
- (d) That staff be directed to conduct the appropriate due diligence in the event that staff receives an unsolicited proposal outlining a development proposal for any or all of the properties in question: the FirstOntario Centre, the Hamilton Convention Centre, and the FirstOntario Concert Hall that secures private investment funds;
- (e) That any discussion regarding the location of a new arena not be limited to the Hamilton downtown core; and,
- (f) That an open, transparent and highly publized process, aimed at engaging citizens across the city for their input, be implemented.

(g) PRIVATE & CONFIDENTIAL (Item 12)

Committee moved into Closed Session, respecting Items 12.2 and 12.3, pursuant to Section 8.1, Sub-sections (a), (e) and (f) of the City's Procedural By-law 14-300, and Section 239(2), Sub-sections (a), (e) and (f) of the *Ontario Municipal Act*, 2001, as amended, as the subject matter pertains to the security of the property of the City; litigation or potential litigation, including matters before administrative tribunals, affecting the City; and, the receiving of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

(h) ADJOURNMENT (Item 13)

There being no further business, the General Issues Committee (Budget) adjourned at 2:19 p.m.

December 1, 2017:

(a) CHANGES TO THE AGENDA (Item 1)

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

1. MINUTES OF PREVIOUS MEETING (Item 3)

3.1 November 24, 2017 – REVISED

2. PRESENTATION (Item 7)

7.1(a) 2018 a Tax Supported Capital Budget (FCS17099(a)) (City Wide)

3. DISCUSSION ITEMS (Item 8)

8.2 Capital Lifecycle Renewal – FirstOntario Centre Vertical Transportation (PW17095(b)) (City Wide)

4. MOTIONS (Item 9)

- 9.2 Motion to Amend Appendix "G" to Report FCS17081, respecting the 2018 Recommended Water, Wastewater and Stormwater Budget

The agenda for the December 1, 2017 General Issues Committee (Budget) meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF THE PREVIOUS MEETING (Item 3)

(i) November 24, 2017 (Item 3.1)

The revised Minutes of the November 24, 2017 General Issues Committee (Budget) meeting were approved, as presented.

(d) PRESENTATIONS (Item 7)

(i) 2018 Tax Supported Capital Budget (FCS17099) (City Wide) (Item 7.1)

Mike Zegarac, General Manager of Finance and Corporate Services, addressed Committee and provided a PowerPoint presentation respecting Report FCS17099 – 2018 Tax Supported Capital Budget.

The presentation, respecting the 2018 Tax Supported Capital 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.

- (a) Report FCS17099, respecting the 2018 Tax Capital Budget, was amended by deleting sub-sections (h), (i), (j) and (k) in their entirety, and replacing them with the following in lieu thereof:

- ~~(h) — That the General Manager, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s), and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$21,844,000 related to the 2018 Tax Supported Capital Budget, as attached in Appendix “A” to Report FCS17099, which includes \$13,790,000 in Tax Supported debt and \$8,054,000 in Development Charges Tax Supported debt;~~
- ~~(i) — That the General Manager, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s), and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$42,137,000 related to the 2018 Rate Supported Capital Budget, as attached in Appendix “G” to Report FCS17099, which includes \$16,615,000 in Rate Supported debt and \$25,522,000 in Development Charges Rate Supported debt;~~
- ~~(j) — That the General Manager, Finance and Corporate Services and Mayor be authorized to negotiate and execute all required documentation satisfactory to the City Solicitor to secure the terms and issuance of a debenture issue(s), and/or private placement debenture issue(s), and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s); and to engage the services of a fiscal agent(s), and/or Infrastructure Ontario’s Loan Program, and outside legal counsel; and to enter into all agreements necessary, including Letter(s) of Representation with The Canadian Depository for Securities Limited;~~
- ~~(k) — That a By Law(s) be passed authorizing the debenture issue(s), and/or private placement debenture issue(s), and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), as negotiated and placed in accordance with recommendation (h) and (i) above.~~

- (h) That the General Manager, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s) in either a public or private market, and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$20,447,000 Canadian currency, which includes \$12,393,000 Canadian currency in Tax Supported debt and \$8,054,000 in Development Charges Supported debt;**
- (i) That the General Manger, Finance and Corporate Services be authorized to negotiate the terms and placement of a debenture issue(s), and/or private placement debenture issue(s) in either a public or private market, and/or bank loan agreement and debenture issue(s), and/or variable interest rate bank loan agreement and debenture issue(s), in an amount not to exceed \$42,137,000, as attached in Appendix "G" to Report FCS17099, which includes \$16,615,000 in Rate Supported debt and \$25,522,000 in Development Charges Supported debt;**
- (j) That the General Manager, Finance and Corporate Services be authorized to engage all required professional services to secure the terms and issuance of the debenture issue(s) described in subsections (h) and (i) to include, but not limited to, external legal counsel, fiscal agents, and Infrastructure Ontario's Loan Program;**
- (k) That the General Manager, Finance and Corporate Services, the Mayor and the 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 (h), (i) and (j), in a form satisfactory to the City Solicitor; and,**

(b) That Report FCS17099, respecting the 2018 Tax Capital Budget, be further amended by adding a new sub-section (l), which reads as follows and relettering the balance accordingly:

(l) That staff be directed to prepare the necessary By-Law(s) to authorize the debenture issue(s) negotiated, placed and secured in accordance with subsections (h), (i) and (j).

(e) DISCUSSION ITEMS (Item 8)

(i) Hamilton Police Services Board Report 17-122 – Hamilton Police Service Projected Capital Expenditures 2018-2027 (Item 8.1)

Councillor M. Green wished to be recorded as OPPOSED to Item 8.1.

(f) MOTIONS (Item 9)

(i) Motion to Amend Appendix “G” to Report FCS17081, respecting the 2018 Recommended Water, Wastewater and Stormwater Budget (Item 9.2)

Appendix “G” to Report FCS17081, respecting the 2018 Recommended Water, Wastewater and Stormwater Budget, which was before Committee on November 17, 2017 and is not yet approved by Council, was amended by:

- (i) deleting the Dept ID and Account Number beside the heading of “Metals”;
- (ii) deleting Reference Number 16 – Hydride Generation in its entirety;
- (iii) deleting Reference Number 16a) – Arsenic in its entirety;
- (iv) deleting Reference Number 16b) – Antimony in its entirety;
- (v) deleting Reference Number 16c) – Selenium in its entirety;
- (vi) deleting Reference Number 17 – ICP Scan Wastewater in its entirety;

- (vii) adding ICP OES Scan (Wastewater) with a proposed fee of \$53.75;
- (viii) deleting Reference Number 19a) – Lead in its entirety;
- (ix) deleting Reference Number 19b) – Cadmium in its entirety; and,
- (x) by renumbering the balance of the References accordingly, to read as shown in Appendix “A” attached hereto.

(g) PRIVATE & CONFIDENTIAL (Item 12)

(i) Closed Session Minutes – November 24, 2017 (Item 12.1)

- (a) The Closed Session Minutes of the November 24, 2017 General Issues Committee (Budget) meeting, were approved; and,
- (b) The Closed Session Minutes of the November 24, 2017 General Issues Committee (Budget) meeting shall remain confidential.

(h) ADJOURNMENT (Item 13)

There being no further business, the General Issues Committee (Budget) adjourned at 1:32 p.m.

Respectfully Submitted

B. Johnson, Deputy Mayor
Chair, General Issues Committee

J. Farr, Acting Deputy Mayor
Chair, General Issues Committee

Stephanie Paparella
Legislative Coordinator
Office of the City Clerk

R. Pasuta, Deputy Mayor
Chair, General Issues Committee

CITY OF HAMILTON
2018 WATER AND WASTEWATER/STORM FEES AND CHARGES
Effective January 1, 2018

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	\$ 0.34	\$ 0.36
16 mm	\$ 0.34	\$ 0.36
20 mm	\$ 0.34	\$ 0.36
25 mm	\$ 0.85	\$ 0.90
38 mm	\$ 1.70	\$ 1.80
50 mm	\$ 2.72	\$ 2.88
75 mm	\$ 5.44	\$ 5.76
100 mm	\$ 8.50	\$ 9.00
150 mm	\$ 17.00	\$ 18.00
200 mm	\$ 27.20	\$ 28.80
250 mm	\$ 39.10	\$ 41.40
300 mm	\$ 57.80	\$ 61.20

B) Metered Water Consumption Charges

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

Consumption Block	Monthly Water Consumption (m3)	Residential	Multi-Residential, Commercial, Institutional & Industrial
		Rate (\$/m3)	Rate (\$/m3)
1	0-10	0.75	1.49
2	>10	1.49	1.49

C) Wastewater/Storm Treatment Charges

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

Treatment Block	Monthly Water Consumption (m3)	Residential	Multi-Residential, Commercial, Institutional & Industrial
		Rate (\$/m3)	Rate (\$/m3)
1	0-10	0.81	1.61
2	>10	1.61	1.61

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

Flat Rate Water Customers Annual Rate: \$543.85

Flat Rate Wastewater/Storm Customers Annual Rate: \$587.65

Combined Flat Rate Water & Wastewater/Storm Customers Annual Rate: \$1,131.50

City of Hamilton - 2018 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

Connection Size (mm)	Monthly Rate
25	\$ 3.28
38	\$ 7.54
50	\$ 13.12
75	\$ 29.52
100	\$ 52.48
150	\$ 118.08
200	\$ 209.92
250	\$ 209.92
300	\$ 209.92

2018 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	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease	
R84-026	510220	47220	1	WATER DISTRIBUTION							
				Water Meter Permit Fee <i>Note: Charged for first-time meter installations. Includes supply and installation of water meter and remote reading device by City and related inspection.</i>							
				1a) 16mm Displacement	\$359.70	\$359.70	n	\$359.70	0.0%	To achieve full cost recovery	
				1b) 20mm Displacement	\$404.60	\$404.60	n	\$404.60	0.0%	To achieve full cost recovery	
				1c) 25mm Displacement	\$559.40	\$559.40	n	\$559.40	0.0%	To achieve full cost recovery	
				1d) 38mm Displacement	\$856.30	\$869.95	n	\$869.95	1.6%	To achieve full cost recovery	
				1e) 50mm Displacement	\$1,218.80	\$1,218.80	n	\$1,218.80	0.0%	To achieve full cost recovery	
				1f) 50mm Turbine	\$1,384.60	\$1,384.60	n	\$1,384.60	0.0%	To achieve full cost recovery	
				1g) 50mm Compound	\$3,316.40	\$3,316.40	n	\$3,316.40	0.0%	To achieve full cost recovery	
				1h) 100mm Turbine	\$3,719.75	\$3,794.55	n	\$3,794.55	2.0%	To achieve full cost recovery	
				1i) 100mm Compound	\$5,003.80	\$5,104.30	n	\$5,104.30	2.0%	To achieve full cost recovery	
				1j) 100mm Fire Service Turbine	\$6,379.65	\$6,507.65	n	\$6,507.65	2.0%	To achieve full cost recovery	
				1k) 100mm Fire Service Compound	\$8,289.80	\$8,456.05	n	\$8,456.05	2.0%	To achieve full cost recovery	
				1l) 100mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$8,554.05	\$8,725.55	n	\$8,725.55	2.0%	To achieve full cost recovery	
				1m) 100mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$8,936.10	\$9,115.25	n	\$9,115.25	2.0%	To achieve full cost recovery	
				1n) 150mm Turbine	\$7,177.70	\$7,321.65	n	\$7,321.65	2.0%	To achieve full cost recovery	
				1o) 150mm Compound	\$9,829.65	\$10,026.65	n	\$10,026.65	2.0%	To achieve full cost recovery	
				1p) 150mm Fire Service Turbine	\$10,600.05	\$10,812.50	n	\$10,812.50	2.0%	To achieve full cost recovery	
				1q) 150mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$10,751.80	\$10,967.30	n	\$10,967.30	2.0%	To achieve full cost recovery	
				1r) 150mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$11,855.45	\$12,093.00	n	\$12,093.00	2.0%	To achieve full cost recovery	
				1s) 150mm Fire Service Compound	\$13,412.25	\$13,680.95	n	\$13,680.95	2.0%	To achieve full cost recovery	
				1t) 200mm Turbine	\$8,666.80	\$8,841.40	n	\$8,841.40	2.0%	To achieve full cost recovery	
				1u) 200mm Compound	\$11,646.45	\$11,879.80	n	\$11,879.80	2.0%	To achieve full cost recovery	
				1v) 200mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$11,590.75	\$11,806.20	n	\$11,806.20	1.9%	To achieve full cost recovery	
				1w) 200mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$12,649.25	\$12,902.70	n	\$12,902.70	2.0%	To achieve full cost recovery	
				1x) 200mm Fire Service Turbine	\$13,621.30	\$13,894.20	n	\$13,894.20	2.0%	To achieve full cost recovery	
				1y) 200mm Fire Service Compound	\$18,351.10	\$18,718.60	n	\$18,718.60	2.0%	To achieve full cost recovery	
				1z) 250mm Turbine	\$14,868.25	\$15,166.05	n	\$15,166.05	2.0%	To achieve full cost recovery	
1aa) 250mm Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$13,855.85	\$14,133.40	n	\$14,133.40	2.0%	To achieve full cost recovery					
1ab) 250mm Fire Rated Magnetic Flow Meter (Must be approved by Supervisor of Meter Operations)	\$16,400.60	\$16,729.05	n	\$16,729.05	2.0%	To achieve full cost recovery					
1ac) 250mm Fire Service Turbine	\$18,562.30	\$18,934.00	n	\$18,934.00	2.0%	To achieve full cost recovery					
1ad) 250mm Fire Service Compound	\$23,868.35	\$24,346.15	n	\$24,346.15	2.0%	To achieve full cost recovery					
R84-026	510220	45519	2	Water Meter Removal Fee <i>Note: Cost to remove a meter prior to the building being demolished and/or the water service being decommissioned or abandoned. Failure to have the meter removed prior to the building being demolished will incur a meter replacement cost charge. Does not include a turn water off fee, which is required and charged separately as per Section 14 of this schedule.</i>							
				2a) 16mm Displacement	\$123.60	\$109.40	y	\$123.62	0.0%	To achieve full cost recovery	
				2b) 20mm Displacement	\$123.60	\$109.40	y	\$123.62	0.0%	To achieve full cost recovery	
				2c) 25mm Displacement	\$123.60	\$109.40	y	\$123.62	0.0%	To achieve full cost recovery	
				2d) 38mm - 250mm Meters (cost depends on size, labour, and meter location)	Cost + 10% OH	Cost + 10% OH	y	Cost + 10% OH	N/A		

*Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead
For general inquiries, please call (905) 546-4425 between 8:30am - 4:30pm.*

2018 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	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	510220	45519	3	Water Meter Inspection Services Note: Cost for customer requested service relating to meter investigation						
			3a)	Regular Hours Inspection	\$123.60	\$109.40	y	\$123.62	0.0%	To achieve full cost recovery
			3b)	After Hours Inspection	\$161.95	\$143.30	y	\$161.93	0.0%	To achieve full cost recovery
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	\$237.85	\$212.02	y	\$239.58	0.7%	To achieve full cost recovery
			4b)	16mm Displacement	\$237.85	\$212.02	y	\$239.58	0.7%	To achieve full cost recovery
			4c)	20mm Displacement	\$363.75	\$330.98	y	\$374.01	2.8%	To achieve full cost recovery
			4d)	25mm Displacement	\$418.80	\$380.78	y	\$430.28	2.7%	To achieve full cost recovery
			4e)	38mm Displacement	\$1,157.55	\$1,045.53	y	\$1,181.45	2.1%	To achieve full cost recovery
			4f)	50mm Turbine	\$1,465.95	\$1,297.30	y	\$1,465.95	0.0%	To achieve full cost recovery
			4g)	50mm Displacement	\$1,804.05	\$1,596.50	y	\$1,804.05	0.0%	To achieve full cost recovery
			4h)	50mm Compound	\$2,338.65	\$2,069.60	y	\$2,338.65	0.0%	To achieve full cost recovery
			4i)	100mm Turbine	\$3,688.45	\$3,264.10	y	\$3,688.43	0.0%	To achieve full cost recovery
			4j)	100mm Compound	\$5,959.15	\$5,273.60	y	\$5,959.17	0.0%	To achieve full cost recovery
			4k)	100mm Fire Service Turbine	\$7,733.95	\$6,981.90	y	\$7,889.55	2.0%	To achieve full cost recovery
			4l)	100mm Fire Service Compound	\$9,944.75	\$8,802.93	y	\$9,947.31	0.0%	To achieve full cost recovery
			4m)	100mm Magnetic Flow Meter	\$10,470.70	\$9,519.32	y	\$10,756.83	2.7%	To achieve full cost recovery
			4n)	100mm Fire Rated Magnetic Flow Meter	\$10,929.90	\$9,937.85	y	\$11,229.77	2.7%	To achieve full cost recovery
			4o)	150mm Turbine	\$6,787.25	\$6,006.40	y	\$6,787.23	0.0%	To achieve full cost recovery
			4p)	150mm Compound	\$10,327.95	\$9,139.80	y	\$10,327.97	0.0%	To achieve full cost recovery
			4q)	150mm Fire Service Turbine	\$11,809.65	\$10,614.04	y	\$11,993.87	1.6%	To achieve full cost recovery
			4r)	150mm Fire Service Compound	\$14,987.45	\$13,482.48	y	\$15,235.20	1.7%	To achieve full cost recovery
			4s)	150mm Magnetic Flow Meter	\$12,255.20	\$10,845.30	y	\$12,255.19	0.0%	To achieve full cost recovery
			4t)	150mm Fire Rated Magnetic Flow Meter	\$13,611.65	\$12,045.70	y	\$13,611.64	0.0%	To achieve full cost recovery
			4u)	200mm Turbine	\$7,053.80	\$6,368.07	y	\$7,195.92	2.0%	To achieve full cost recovery
			4v)	200mm Compound	\$11,550.95	\$10,222.10	y	\$11,550.97	0.0%	To achieve full cost recovery
			4w)	200mm Fire Service Turbine	\$15,545.70	\$13,985.57	y	\$15,803.69	1.7%	To achieve full cost recovery
			4x)	200mm Fire Service Compound	\$20,889.40	\$18,809.07	y	\$21,254.25	1.7%	To achieve full cost recovery
			4y)	200mm Magnetic Flow Meter	\$14,031.60	\$12,750.56	y	\$14,408.13	2.7%	To achieve full cost recovery
			4z)	200mm Fire Rated Magnetic Flow Meter	\$15,320.00	\$13,924.92	y	\$15,735.16	2.7%	To achieve full cost recovery
			4aa)	250mm Turbine	\$12,258.15	\$11,065.49	y	\$12,504.00	2.0%	To achieve full cost recovery
			4ab)	250mm Magnetic Flow Meter	\$14,765.95	\$13,067.20	y	\$14,765.94	0.0%	To achieve full cost recovery
			4ac)	250mm Fire Rated Magnetic Flow Meter	\$17,726.90	\$15,687.50	y	\$17,726.88	0.0%	To achieve full cost recovery
			4ad)	250mm Fire Service Turbine	\$19,504.10	\$17,606.08	y	\$19,894.87	2.0%	To achieve full cost recovery
			4ae)	250mm Fire Service Compound	\$29,046.40	\$25,704.80	y	\$29,046.42	0.0%	To achieve full cost recovery
			4af)	50mm Strainer	\$426.40	\$385.50	y	\$435.62	2.2%	To achieve full cost recovery
			4ag)	100mm Strainer	\$806.55	\$728.63	y	\$823.35	2.1%	To achieve full cost recovery
			4ah)	150mm Strainer	\$1,302.40	\$1,176.21	y	\$1,329.12	2.1%	To achieve full cost recovery
			4aj)	200mm Strainer	\$2,226.95	\$2,010.77	y	\$2,272.17	2.0%	To achieve full cost recovery
			4aj)	250mm Strainer	\$3,624.00	\$3,271.80	y	\$3,697.13	2.0%	To achieve full cost recovery

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2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

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

Dept By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
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	\$329.20	\$296.03	y	\$334.51	1.6%	To achieve full cost recovery
			5b)	20 mm Diameter	\$374.45	\$338.73	y	\$382.76	2.2%	To achieve full cost recovery
			5c)	25 mm Diameter	\$429.65	\$388.53	y	\$439.04	2.2%	To achieve full cost recovery
			5d)	38 mm Diameter	\$916.35	\$872.13	y	\$985.51	7.5%	To achieve full cost recovery
			5e)	50 mm Diameter	\$1,742.45	\$1,542.03	y	\$1,742.49	0.0%	To achieve full cost recovery
			5f)	100 mm plus diameter (In Situ testing)	\$989.65	\$894.20	y	\$1,010.45	2.1%	To achieve full cost recovery
10-103	510220	45644	6	Backflow Prevention Program Note: Costs for contractor registration fee, administration fees for processing backflow prevention test reports and survey forms.						
			6a)	Annual Program Registration Fee	\$140.70	\$131.24	y	\$148.30	5.4%	To achieve full cost recovery
			6b)	Test Report receipt and processing (per submission of each test report)	\$68.35	\$63.27	y	\$71.50	4.6%	To achieve full cost recovery
			6c)	Cross Connection Survey Form processing (per form upon submission)	\$168.80	\$155.75	y	\$176.00	4.3%	To achieve full cost recovery
			6d)	Backflow Prevention Device Investigation - Regular Hours	\$149.75	\$138.36	y	\$156.35	4.4%	To achieve full cost recovery
			6e)	Backflow Prevention Device Investigation - After Hours	\$233.80	\$206.90	y	\$233.80	0.0%	To achieve full cost recovery
R84-026	514330	45590	7	Construction Water Note: Charge for unmetered water used for construction prior to meter installation. Paid at the time of submitting building permit payment.						
			7a)	Single Residential (per lot or townhouse)	\$87.20	\$91.40	n	\$91.40	4.8%	Equal to variable water rate increase
			7b)	Multi-residential (per apartment/condo unit)	\$40.80	\$42.75	n	\$42.75	4.8%	Equal to variable water rate increase
			7c)	Industrial/Commercial/Institutional (\$/1,000 sqft of building area or \$/ha where no structure is constructed)	\$28.70	\$30.00	n	\$30.00	4.5%	Equal to variable water rate increase
			8	Hydrant Adaptor Fees Note: Costs to install or remove water meter & backflow prevention device. When moving a hydrant 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/m ³)	\$2.15	\$2.25	n	\$2.25	4.9%	Rate is 1.5x volumetric water rate
R84-026	514330	41209	8b)	Hydrant Adaptor Connection/Disconnection Fee (Regular Hours-Fee for Both Services)	\$136.30	\$137.98	n	\$137.98	1.2%	To achieve full cost recovery
R84-026	514330	41209	8c)	Hydrant Adaptor Connection/Disconnection Fee (After Hours/Emergency-Fee for Both Services)	\$259.95	\$263.72	n	\$263.72	1.5%	To achieve full cost recovery
R84-026	514330	41209	8d)	Usage Deposit	\$290.70	\$290.70	n	\$290.70	0.0%	To achieve full cost recovery
R84-026	514330	41209	8e)	Security/Damage Deposit	\$5,829.00	\$5,829.00	n	\$5,829.00	0.0%	To achieve full cost recovery
R84-026	514330	41209	8f)	Hydrant adaptor rental fee for initial 7 days	\$80.00	\$80.00	n	\$80.00	0.0%	To achieve full cost recovery
R84-026	514330	41209	8g)	Per Diem hydrant adaptor rental fee after initial 7 days	\$5.90	\$5.90	n	\$5.90	0.0%	To achieve full cost recovery

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

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2018 PROPOSED USER FEES AND CHARGES

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HAMILTON WATER**

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

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
R84-026	514330	47244	9	Private Water Station Agreement Fees						
			9a)	Annual Renewal	\$357.80	\$358.30	n	\$358.30	0.1%	To achieve full cost recovery
			9b)	New Application	\$1,193.20	\$1,193.65	n	\$1,193.65	0.0%	To achieve full cost recovery
R84-026	514330	47232	10	Water Haulage Fees						
			10a)	Annual Water Haulage License Fee Note: Annual license fee to utilize the City's public filling stations.	\$227.85	\$50.00	y	\$56.50	-78.1%	No cards issued, Online Registration
			10b)	Account review Note: Costs charged for administrative services to provide customer account information for personal or taxation purposes.	\$144.60	\$129.60	y	\$146.45	1.3%	To achieve full cost recovery
R84-026	510220	45519	11	General Administration Fees						
			11a)	General Administrative Requests (per hour)/Report Requests	\$74.90	\$67.70	y	\$76.50	2.1%	To achieve full cost recovery
			11b)	NSF Cheque	\$55.45	\$60.15	n	\$60.15	8.4%	To achieve full cost recovery
			11c)	Permit Cancellation administrative fee	\$45.45	\$40.53	y	\$45.80	0.8%	To achieve full cost recovery
			11d)	Permit Renewal Fee	\$45.45	\$40.53	y	\$45.80	0.8%	To achieve full cost recovery
			11e)	Lead Line Loan Application Fee	\$56.50	\$50.71	y	\$57.30	1.4%	To achieve full cost recovery
			11f)	Monthly AMI Manual Meter Read Fee	\$0.00	\$3.00	y	\$3.39		NEW FEE - To achieve full cost recovery

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2018 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	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 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 Labour)	\$96.40	\$85.31	y	\$96.40	0.0%	To achieve full cost recovery
	514330	47235	12b)	Private Water Service Repair/Replacement Inspection (After Hours /Emerg - Max 1 Hour Labour)	\$168.30	\$149.03	y	\$168.40	1.3%	To achieve full cost recovery
	514330	45690	12c)	Water Service Abandonment Inspection (Regular Hours - Max 1 Hour Total Labour)	\$85.50	\$76.49	y	\$86.43	1.1%	To achieve full cost recovery
	514330	45690	12d)	Water Service Abandonment Inspection (After Hours / Emergency - Max 1 Hour Total Labour)	\$155.35	\$139.36	y	\$157.48	1.4%	To achieve full cost recovery
	514330	45690	12e)	Water Service Inspection for Demolition (Regular Hours - Max 1 Hour Total Labour)	\$85.50	\$76.49	y	\$86.43	1.1%	To achieve full cost recovery
	514330	45690	12f)	Water Service Inspection for Demolition (After Hours / Emergency - Max 1 Hour Total Labour)	\$155.35	\$139.36	y	\$157.48	1.4%	To achieve full cost recovery
	514330	45690	12g)	Missed or Cancelled Inspection	\$60.95	\$54.37	y	\$61.44	0.8%	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.	\$124.70	\$124.70	n	\$124.70	0.0%	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)	\$110.25	\$115.85	n	\$115.85	5.1%	To achieve full cost recovery
			14b)	Turning Water On/Off (After Hours/Emergency)	\$194.80	\$197.35	n	\$197.35	1.3%	To achieve full cost recovery
			14c)	Turning Water On/Off During the Same Visit (Regular Hours - Max 1/2 Hour Total Labour)	\$62.65	\$63.22	n	\$63.22	0.9%	To achieve full cost recovery
			14d)	Turning Water On/Off During the Same Visit (After Hours/Emerg - Max 1/2 Hour Total Labour)	\$104.90	\$106.17	n	\$106.17	1.2%	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.	\$95.30	\$85.34	y	\$96.43	1.2%	To achieve full 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)	\$85.50	\$76.49	y	\$86.43	1.1%	To achieve full cost recovery
			16b)	Service Call (After Hours - Max 1 Hour Total Labour)	\$155.35	\$139.36	y	\$157.48	1.4%	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)	\$119.05	\$120.74	n	\$120.74	1.4%	To achieve full cost recovery
			18b)	Watermain Shutdown / Recharge (After Hours / Emergency-Maximum 1 Hour Total Labour)	\$217.70	\$220.86	n	\$220.86	1.5%	To achieve full cost recovery
R84-026	510350	45408	19	Environmental Records Search PRISM Reports related to soil contamination	\$177.05	\$156.67	y	\$177.04	0.0%	To achieve full cost recovery
			19a)	Reports - Environmental Assessments and Master Plans	\$17.40	\$15.40	y	\$17.40	0.0%	To achieve full cost recovery
				- plus fee per page	\$0.10	\$0.10	y	\$0.11	0.0%	To achieve full cost recovery
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	\$41.45	\$37.12	y	\$41.95	1.1%	To achieve full cost recovery
			21b)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$53.75	\$48.19	y	\$54.45	1.3%	To achieve full cost recovery
			21c)	1/2 Hour Additional Labour (Regular Hours)-Water Distribution Operator	\$41.45	\$37.12	n	\$37.12	1.1%	To achieve full cost recovery
			21d)	1/2 Hour Additional Labour (After Hours)-Water Distribution Operator	\$53.75	\$48.19	n	\$48.19	1.3%	To achieve full cost recovery

2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

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

Dept By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
06-026			1	COLLECTION SYSTEM INSPECTION & MAINTENANCE Wastewater Inspection Services Note: Costs associated with various permit and inspection services related to sewer laterals for properties.						
	516175	47230	1a)	Private Sewer Lateral Repair/Replacement Inspection (Regular Hours - Maximum 1 Hour Total Labour)	\$105.70	\$94.60	y	\$106.90	1.1%	To achieve full cost recovery
	516175	47230	1b)	Private Sewer Lateral Repair/Replacement Inspection (After Hours / Emergency - Maximum 1 Hour Total Labour)	\$187.20	\$167.97	y	\$189.81	1.4%	To achieve full cost recovery
	516175	45690	1c)	Missed or Cancelled Inspection	\$65.60	\$58.57	y	\$66.18	0.9%	To achieve full cost recovery
	516175	45690	1d)	Mainline Sewer Inspection	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% 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 service call rate.</u>						
			2a)	Service Call (Regular Hours - Maximum 1 Hour Total Labour)	\$83.45	\$74.67	y	\$84.38	1.1%	To achieve full cost recovery
			2b)	Service Call (After Hours - Maximum 1 Hour Total Labour)	\$150.75	\$135.26	y	\$152.84	1.4%	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	\$555.95	\$492.00	y	\$555.96	0.0%	To achieve full cost recovery
			3b)	Complete Sewer Lateral Investigation - After Hours	\$663.30	\$587.00	y	\$663.31	0.0%	To achieve full cost recovery
			3c)	Partial Sewer Lateral Cleaning - Regular Hours	\$328.85	\$291.00	y	\$328.83	0.0%	
			3d)	Partial Sewer Lateral Cleaning - After Hours	\$379.70	\$336.00	y	\$379.68	0.0%	
			3e)	Abandoned Sewer Lateral Investigation - Regular Hours	\$355.95	\$315.00	y	\$355.95	0.0%	To achieve full cost recovery
			3f)	Abandoned Sewer Lateral Investigation - After Hours	\$433.90	\$384.00	y	\$433.92	0.0%	To achieve full cost recovery
06-026	516175	45690	4	Miscellaneous Wastewater Collection System Repair Note: Cost for the City to repair damage to the wastewater collection system caused by a third party. Costs include labour, parts, materials, equipment, and permanent restoration.	Cost + 33% OH	Cost + 33% OH	y	Cost + 33% OH	N/A	To achieve full cost recovery
06-026	516175	45690	5	Additional Labour Charges Note: Additional labour charge for all services/calls that exceed the allotted labour time. Costs are for a single Wastewater Collection Operator or Contract Inspector in minimum increments of 30 minutes.						
			5a)	1/2 Hour Additional Labour (Regular Hours) - Wastewater Collection	\$43.30	\$38.77	y	\$43.81	1.2%	To achieve full cost recovery
			5b)	1/2 Hour Additional Labour (After Hours) - Wastewater Collection	\$56.45	\$50.66	y	\$57.25	1.4%	To achieve full cost recovery

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2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
LABORATORY SERVICES									
<u>Inorganic Tests:</u>									
510250	45519	1	Solids						
		1a)	Total Suspended Solids (TSS)	\$24.50	\$21.70	y	\$24.52	0.0%	Current fee achieves full cost recovery
		1b)	TSS plus Volatile Suspended Solids (VSS)	\$24.50	\$21.70	y	\$24.52	0.0%	Current fee achieves full cost recovery
		1c)	Total Solids (TS)	\$20.45	\$18.10	y	\$20.45	0.0%	Current fee achieves full cost recovery
		1d)	TS plus Volatile Solids (VS)	\$20.70	\$18.30	y	\$20.68	0.0%	Current fee achieves full cost recovery
		2	Skalar						
		2a)	Total Cyanide	\$35.50	\$31.40	y	\$35.48	0.0%	Current fee achieves full cost recovery
		2b)	Phenolics	\$34.90	\$30.90	y	\$34.92	0.0%	Current fee achieves full cost recovery
		2c)	Total Kjeldhal Nitrogen (TKN)	\$35.50	\$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	\$36.50	\$32.30	y	\$36.50	0.0%	Current fee achieves full cost recovery
		2f)	Total Organic Carbon	\$36.50	\$32.30	y	\$36.50	0.0%	Current fee achieves full cost recovery
		2g)	Reactive Silica	\$31.10	\$27.50	y	\$31.08	0.0%	Current fee achieves 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	\$17.05	\$15.35	y	\$17.35	1.7%	To achieve full cost recovery
		4b)	Alkalinity	\$16.95	\$15.20	y	\$17.18	1.3%	To achieve full cost recovery
		4c)	Conductivity	\$17.05	\$15.20	y	\$17.18	0.7%	To achieve full cost recovery
		4d)	Fluoride	\$26.90	\$23.80	y	\$26.89	0.0%	Current fee achieves full cost recovery
		5	Turbidity	\$26.80	\$23.70	y	\$26.78	0.0%	Current fee achieves full cost recovery
		6	UV Transmittance	\$28.60	\$25.30	y	\$28.59	0.0%	Current fee achieves full cost recovery
		7	Color Apparent	\$23.40	\$20.70	y	\$23.39	0.0%	Current fee achieves full cost recovery
		8	Color True	\$23.40	\$20.70	y	\$23.39	0.0%	Current fee achieves full cost recovery
		9	Chemical Oxygen Demand (COD)	\$42.85	\$37.90	y	\$42.83	0.0%	Current fee achieves full cost recovery
		10	Biochemical Oxygen Demand (BOD)	\$42.60	\$37.70	y	\$42.60	0.0%	Current fee achieves full cost recovery
		11	Volatile Acid	\$42.15	\$37.30	y	\$42.15	0.0%	Current fee achieves full cost recovery
<u>Microbiology Tests:</u>									
510250	45519	12	Total Coliform/E coli/Total Background Coliform (DC)	\$24.75	\$21.90	y	\$24.75	0.0%	Current fee achieves full cost recovery
510250	45519	13	EC (mFC-BIG)	\$27.35	\$24.20	y	\$27.35	0.0%	Current fee achieves full cost recovery
510250	45519	14	Heterotrophic Plate Count	\$28.15	\$24.90	y	\$28.14	0.0%	Current fee achieves full cost recovery
510250	45519	15	Micro Examination	\$130.50	\$115.50	y	\$130.52	0.0%	Current fee achieves full cost recovery
<u>Metals:</u>									
510250	45519	16	Hydride Generation						
510250	45519	16a)	Arsenic	\$51.55	\$45.60	y	\$51.53	0.0%	Current fee achieves full cost recovery
510250	45519	16b)	Antimony	\$51.55	\$45.60	y	\$51.53	0.0%	Current fee achieves full cost recovery
510250	45519	16c)	Selenium	\$51.55	\$45.60	y	\$51.53	0.0%	Current fee achieves full cost recovery
510250	45519	17	ICP						
510250	45519	17a)	ICP Scan (Wastewater)	\$60.10	\$53.20	y	\$60.12	0.0%	Current fee achieves full cost recovery
510250	45519	17b)	Total Phosphorous	N/A	\$25.55	y	\$28.87		New test for 2018
510250	45519	17c)	Total Dissolved Phosphorous	N/A	\$25.55	y	\$28.87		New test for 2018
510250	45519	18	ICP MS						
510250	45519	18a)	ICP MS Scan	N/A	\$53.75	y	\$60.74		New test for 2018
510250	45519	19	AA						
510250	45519	19a)	Lead	\$39.80	\$35.20	y	\$39.78	0.0%	Current fee achieves full cost recovery
510250	45519	19b)	Cadmium	\$39.80	\$35.20	y	\$39.78	0.0%	Current fee achieves full cost recovery
510250	45519	19c)	Mercury	\$51.65	\$45.70	y	\$51.64	0.0%	Current fee achieves full cost recovery

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2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
ENVIRONMENTAL MONITORING & ENFORCEMENT										
To Regulate the Discharge of any Matter into the Sanitary, Combined, and Storm Sewer Systems.										
14-090	516175	47232	1	Annual Permit to Discharge Hauled Sewage Note: Cost for administration and processing of annual permits required to haul sewage within Hamilton	\$312.00	\$324.00	n	\$324.00	3.8%	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	\$47.25	\$48.20	n	\$48.20	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)	\$47.25	\$48.20	n	\$48.20	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	2c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$94.50	\$96.39	n	\$96.39	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	2d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$141.75	\$144.59	n	\$144.59	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	2e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$189.00	\$192.78	n	\$192.78	2.0%	Has to remain a multiple of \$48.20
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	\$47.25	\$48.20	n	\$48.20	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)	\$94.50	\$96.39	n	\$96.39	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	3c)	greater than 3500 (15.9 m3) but less than or equal to 5000 Imperial gallons (22.7 m3)	\$141.75	\$144.59	n	\$144.59	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	3d)	greater than 5000 (22.7 m3) but less than or equal to 8000 Imperial gallons (36.3 m3)	\$236.25	\$240.98	n	\$240.98	2.0%	Has to remain a multiple of \$48.20
14-090	516175	41314	3e)	greater than 8000 (36.3 m3) but less than or equal to 10000 Imperial gallons (45.43 m3)	\$283.50	\$289.17	n	\$289.17	2.0%	Has to remain a multiple of \$48.20

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2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

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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%	Rounded for cash handling purposes
			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)	\$0.7532	\$0.7683	n	\$0.77	2.0%	To achieve full cost recovery
14-090	516080	41315	5b)	Total suspended solids (charge per kg)	\$0.6025	\$0.6146	n	\$0.61	2.0%	To achieve full cost recovery
14-090	516080	41315	5c)	Oil & grease (animal/vegetable) (charge per kg)	\$0.6326	\$0.6453	n	\$0.65	2.0%	To achieve full cost recovery
14-090	516080	41315	5d)	Total Kjeldahl Nitrogen (charge per kg)	\$2.2935	\$2.3394	n	\$2.34	2.0%	To achieve full cost recovery
14-090	516080	41315	5e)	Total Phosphorus (charge per kg)	\$1.6132	\$1.6455	n	\$1.65	2.0%	To achieve full cost recovery
14-090	516080	41317	6	Surcharge Discharge Fee (charge per m3)	\$1.54	\$1.61	n	\$1.61	4.5%	Equal to variable wastewater rate increase
			7	Application Fees for Sewer Discharge Permits NOTE: Fee to be paid upon application for Sewer Discharge Permit						
14-090	510260	45519	7a)	Application Fee	\$640.70	\$605.00	y	\$683.65	6.7%	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%	Decrease due to difficulty collecting \$1500 as deposit from users without PO #
14-090	510260	45519	7c)	Amendment Fee (all permit types)	\$307.35	\$284.00	y	\$320.92	4.4%	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)	\$364.00	\$416.00	n	\$416.00	14.3%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8b)	Sanitary Discharge Permit (charged quarterly)	\$364.00	\$416.00	n	\$416.00	14.3%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8c)	Chloride Discharge Permit (charged quarterly)	\$364.00	\$416.00	n	\$416.00	14.3%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8d)	Compliance Discharge Permit (charged quarterly)	\$859.00	\$1,022.50	n	\$1,022.50	19.0%	Lab/equip. costs up in 2018. Previous 2015, 2012
14-090	510260	45532	8e)	Conditional Discharge Permit (charged quarterly)	\$859.00	\$1,022.50	n	\$1,022.50	19.0%	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	\$156.95	\$144.90	y	\$163.74	4.3%	Current fee achieves full cost recovery

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2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 Including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 Including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
14-090	510260	45532	10	Wastewater Sampling (optional) Note: Per unit costs to conduct wastewater sampling to determine permit conditions and limits	\$1.30	\$1.17	Y	\$1.32	1.7%	To achieve full cost recovery
			10a)	Wastewater Sampling Vehicle Fee (per kilometer)	\$33.90	\$36.00	Y	\$40.68	20.0%	Current fee achieves full cost recovery/ equip. updated
			10b)	Wastewater Sampling Equipment Fee (per day)	\$51.10	\$46.33	Y	\$52.35	2.5%	Current fee achieves full cost recovery
			10c)	Wastewater Sampling Technician Fee (per hour) Mon - Fri	\$76.60	\$69.49	Y	\$78.52	2.5%	Current fee achieves full cost recovery
			10d)	Wastewater Sampling Technician Fee (per hour) Sat	\$102.15	\$92.65	Y	\$104.69	2.5%	Current fee achieves full cost recovery
			10e)	Wastewater Sampling Technician Fee (per hour) Sun						

*Costs not specifically addressed in the schedule will be invoiced at Actual Cost plus overhead.
For general inquiries, please call 905-546-5198 or email: sewer@cityofhamilton.ca

2018 PROPOSED USER FEES AND CHARGES

**PUBLIC WORKS
HAMILTON WATER**

Dept. By-Law #	Dept ID	Account #	Ref #	Service Offered	2017 including HST (if applicable)	2018 Proposed Fee	HST (y/n)	2018 including HST (if applicable)	% Fee Change	Basis for Fee Increase or Decrease
				ENVIRONMENTAL MONITORING & ENFORCEMENT Fees related to the Wastewater Abatement Program						
03-272	510260	45532	1	Application Fee (plus cost recovery for peer review if required)	\$423.20	\$374.50	y	\$423.19	0.0%	Current fee achieves full cost recovery
03-272	510260	45532	2	Annual Administration Fee	\$659.00	\$693.30	y	\$783.43	18.9%	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 905-540-5190 or email sewerusebylaw@hamilton.ca*

CITY OF HAMILTON
2018 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2017	2017	2018	2018	2018	CHANGE		CHANGE	
	RESTATED BUDGET	PROJECTED ACTUAL	MAINTENANCE BUDGET	PROGRAM CHANGE	REQUESTED BUDGET	2017 PROJECTED / 2017 RESTATED BUDGET	ACTUAL BUDGET	2018 REQUESTED / 2017 RESTATED BUDGET	2018 REQUESTED / 2017 RESTATED BUDGET
	\$	\$	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:									
Environmental Services									
Divisional Administration & Support	2,039,361	2,033,398	2,079,859	-	2,079,859	5,962	0.3%	40,498	2.0%
Woodward Upgrades	1,197,710	1,197,710	1,220,310	-	1,220,310	-	-	22,600	1.9%
Customer Service	575,380	420,380	432,400	-	432,400	155,000	26.9%	(142,980)	(24.8%)
Outreach & Education	1,391,050	1,391,050	1,295,620	-	1,295,620	-	-	(95,430)	(6.9%)
Service Co-ordination	3,155,930	3,155,930	3,198,980	-	3,198,980	-	-	43,050	1.4%
Engineering Systems & Data Collection	1,635,310	1,635,310	1,278,170	-	1,278,170	-	-	(357,140)	(21.8%)
Compliance & Regulations	781,900	781,900	798,230	-	798,230	-	-	16,330	2.1%
Laboratory Services	3,367,900	3,367,900	3,449,120	-	3,449,120	-	-	81,220	2.4%
Environmental Monitoring & Enforcement	1,780,060	1,685,060	1,755,150	-	1,755,150	95,000	5.3%	(24,910)	(1.4%)
Water Distribution & Wastewater Collection	20,035,960	20,035,960	21,484,360	-	21,484,360	-	-	1,448,400	7.2%
Plant Operations & Maintenance	41,509,180	42,315,788	43,041,230	-	43,041,230	(806,608)	(1.9%)	1,532,050	3.7%
Capital Delivery	1,733,310	1,733,310	1,865,830	-	1,865,830	(0)	(0.0%)	132,520	7.6%
Sustainable Initiatives	1,352,841	1,352,734	1,470,340	-	1,470,340	107	0.0%	117,500	8.7%
Infrastructure Planning & System Design	2,364,370	2,363,885	2,459,219	-	2,459,219	485	0.0%	94,849	4.0%
Wastewater Abatement Program	821,000	821,000	1,000,000	-	1,000,000	-	-	179,000	21.8%
Alectra Utilities Service Contract	5,275,000	5,124,720	5,559,720	-	5,559,720	150,280	2.8%	284,720	5.4%
Corporate & Departmental Support Services	6,209,750	6,351,904	6,191,560	-	6,191,560	(142,154)	(2.3%)	(18,190)	(0.3%)
Utilities Arrears Program	500,000	500,000	500,000	-	500,000	-	-	-	-
Sewer Lateral Management Program	500,000	500,000	500,000	-	500,000	-	-	-	-
Hamilton Harbour Remedial Action Plan	415,000	415,000	304,980	-	304,980	-	-	(110,020)	(26.5%)
Protective Plumbing Program (3P)	2,500,000	2,500,000	2,000,000	-	2,000,000	-	-	(500,000)	(20.0%)
Financial Charges	188,190	188,190	188,190	-	188,190	-	-	-	-
Capital and Reserve Recoveries	(8,491,470)	(7,701,121)	(8,335,237)	-	(8,335,237)	(790,349)	9.3%	156,233	(1.8%)
Sub-Total Environmental Services	90,837,731	92,170,008	93,738,031	-	93,738,031	(1,332,277)	(1.5%)	2,900,300	3.2%
Capital and Reserve Impacts on Operating									
Contributions to Capital									
Water Quality Initiatives	58,771,000	58,771,000	36,982,000	-	36,982,000	-	-	(21,789,000)	(37.1%)
Wastewater	13,325,000	13,325,000	45,474,000	-	45,474,000	-	-	32,149,000	241.3%
Stormwater	10,959,000	10,959,000	8,516,000	-	8,516,000	-	-	(2,443,000)	(22.3%)
Sub-Total Contributions to Capital	83,055,000	83,055,000	90,972,000	-	90,972,000	-	-	7,917,000	9.5%
Contributions for DC Exemptions									
Water Quality Initiatives	2,800,000	2,800,000	2,547,000	-	2,547,000	-	-	(253,000)	(9.0%)
Wastewater	3,870,000	3,870,000	4,590,000	-	4,590,000	-	-	720,000	18.6%
Stormwater	730,000	730,000	1,863,000	-	1,863,000	-	-	1,133,000	155.2%
Sub-Total Contributions for DC Exemptions	7,400,000	7,400,000	9,000,000	-	9,000,000	-	-	1,600,000	21.6%

**CITY OF HAMILTON
2018 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM**

	2017 RESTATED BUDGET	2017 PROJECTED ACTUAL	2018 MAINTENANCE BUDGET	2018 PROGRAM CHANGE	2018 REQUESTED BUDGET	CHANGE 2017 PROJECTED ACTUAL / 2017 RESTATED BUDGET	CHANGE 2018 REQUESTED / 2017 RESTATED BUDGET		
	\$	\$	\$	\$	\$	\$	%	\$	%
Capital Debt Charges									
Water Quality Initiatives	9,925,680	6,726,452	9,448,542	-	9,448,542	3,199,228	32.2%	(477,138)	(4.8%)
Wastewater	10,130,540	7,159,734	8,737,296	-	8,737,296	2,970,806	29.3%	(1,393,244)	(13.8%)
Stormwater	2,272,050	662,397	1,839,143	-	1,839,143	1,609,653	70.8%	(432,907)	(19.1%)
DC Debt Charges Recoveries	(3,647,840)	(163,662)	(2,917,437)	-	(2,917,437)	(3,484,178)	95.5%	730,403	(20.0%)
Sub-Total Debt Charges	18,680,430	14,384,921	17,107,544	-	17,107,544	4,295,509	23.0%	(1,572,886)	(8.4%)
Sub-Total Capital Financing	109,135,430	104,839,921	117,079,544	-	117,079,544	4,295,509	3.9%	7,944,114	7.3%
Reserve Transfers	1,146,459	3,782,271	45,718	-	45,718	(2,635,812)	(229.9%)	(1,100,740)	(96.0%)
Sub-Total Capital and Reserve Impacts on Operating	110,281,889	108,622,192	117,125,263	-	117,125,263	1,659,697	1.5%	6,843,374	6.2%
TOTAL EXPENDITURES	201,119,620	200,792,200	210,863,294	-	210,863,294	327,420	0.2%	9,743,674	4.8%
REVENUES:									
Rate Revenue									
Residential	88,104,650	87,804,650	92,860,600	-	92,860,600	(300,000)	(0.3%)	4,755,950	5.4%
Industrial/Commercial/Institutional/Multi-res	98,598,250	98,598,250	102,918,990	-	102,918,990	-	-	4,320,740	4.4%
Haldimand	2,190,750	2,190,750	2,196,300	-	2,196,300	-	-	5,550	0.3%
Halton	228,170	228,170	237,460	-	237,460	-	-	9,290	4.1%
Non-Metered	440,000	475,000	550,000	-	550,000	35,000	8.0%	110,000	25.0%
Private Fire Lines	1,100,000	1,125,000	1,350,000	-	1,350,000	25,000	2.3%	250,000	22.7%
Hauler / 3rd Party Sales	1,475,000	1,475,000	1,475,000	-	1,475,000	-	-	-	-
Overstrength Agreements	2,148,500	2,148,500	2,249,480	-	2,249,480	-	-	100,980	4.7%
Sewer Surcharge Agreements	3,581,800	3,914,380	4,000,000	-	4,000,000	332,580	9.3%	418,200	11.7%
Sub-Total Utility Rates	197,867,120	197,959,700	207,837,830	-	207,837,830	92,580	0.0%	9,970,710	5.0%
Non-Rate Revenue									
Local Improvement Recoveries	275,850	275,850	275,850	-	275,850	-	-	-	-
Permits / Leases / Agreements	1,486,650	1,486,650	1,441,603	-	1,441,603	-	-	(45,047)	(3.9%)
Investment Income	450,000	300,000	450,000	-	450,000	(150,000)	(33.3%)	-	-
General Fees and Recoveries	1,040,000	770,000	858,011	-	858,011	(270,000)	(26.0%)	(181,989)	(17.5%)
Sub-Total Non-Rate Revenue	3,252,500	2,832,500	3,025,464	-	3,025,464	(420,000)	(12.9%)	(227,036)	(7.9%)
TOTAL REVENUES	201,119,620	200,792,200	210,863,294	-	210,863,294	(327,420)	(0.2%)	9,743,674	4.8%
NET EXPENDITURES	-	-	-	-	-	-	-	-	-

CITY OF HAMILTON
2018 - 2020 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2017	2018	2019	2020	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2018 REQUESTED / 2017 RESTATED BUDGET	%	2019 PROJECTED / 2018 REQUESTED BUDGET	%	2020 PROJECTED / 2019 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:										
Environmental Services										
Divisional Administration & Support	2,039,361	2,079,859	2,142,255	2,206,522	40,498	2.0%	62,396	3.0%	64,268	3.0%
Woodward Upgrades	1,197,710	1,220,310	1,256,919	1,294,627	22,600	1.9%	36,609	3.0%	37,708	3.0%
Customer Service	575,380	432,400	1,112,606	1,145,984	(142,980)	(24.8%)	680,206	157.3%	33,378	3.0%
Outreach & Education	1,391,050	1,295,620	667,255	687,272	(95,430)	(6.9%)	(628,365)	(48.5%)	20,018	3.0%
Service Co-ordination	3,155,930	3,198,980	3,294,949	3,393,798	43,050	1.4%	95,969	3.0%	98,848	3.0%
Engineering Systems & Data Collection	1,635,310	1,278,170	1,316,515	1,356,011	(357,140)	(21.8%)	38,345	3.0%	39,495	3.0%
Compliance & Regulations	781,900	798,230	822,177	846,842	16,330	2.1%	23,947	3.0%	24,665	3.0%
Laboratory Services	3,367,900	3,449,120	3,552,594	3,659,171	81,220	2.4%	103,474	3.0%	106,578	3.0%
Environmental Monitoring & Enforcement	1,780,060	1,755,150	1,807,805	1,862,039	(24,910)	(1.4%)	52,655	3.0%	54,234	3.0%
Water Distribution & Wastewater Collection	20,035,960	21,484,360	22,128,891	22,792,758	1,448,400	7.2%	644,531	3.0%	663,867	3.0%
Plant Operations & Maintenance	41,509,180	43,041,230	44,332,467	45,662,441	1,532,050	3.7%	1,291,237	3.0%	1,329,974	3.0%
Capital Delivery	1,733,310	1,865,830	1,921,805	1,979,459	132,520	7.6%	55,975	3.0%	57,654	3.0%
Sustainable Initiatives	1,352,841	1,470,340	1,514,450	1,559,884	117,500	0.0%	44,110	3.0%	45,434	3.0%
Infrastructure & Source Water Planning	2,364,370	2,459,219	2,532,996	2,608,986	94,849	4.0%	73,777	3.0%	75,990	3.0%
Wastewater Abatement Program	821,000	1,000,000	1,030,000	1,060,900	179,000	21.8%	30,000	3.0%	30,900	3.0%
Alectra Utilities Service Contract	5,275,000	5,559,720	5,726,512	5,898,307	284,720	5.4%	166,792	3.0%	171,795	3.0%
Corporate & Departmental Support Services	6,209,750	6,191,560	6,286,359	6,384,002	(18,190)	(0.3%)	94,799	1.5%	97,643	1.6%
Utilities Arrears Program	500,000	500,000	500,000	500,000	-	-	-	-	-	-
Sewer Lateral Management Program	500,000	500,000	515,000	530,450	-	-	15,000	3.0%	15,450	3.0%
Hamilton Harbour Remedial Action Plan	415,000	304,980	314,129	323,553	(110,020)	(26.5%)	9,149	3.0%	9,424	3.0%
Protective Plumbing Program (3P)	2,500,000	2,000,000	2,060,000	2,121,800	(500,000)	(20.0%)	60,000	3.0%	61,800	3.0%
Financial Charges	188,190	188,190	193,836	199,651	-	-	5,646	3.0%	5,815	3.0%
Capital and Reserve Recoveries	(8,491,470)	(8,335,237)	(8,585,294)	(8,842,853)	156,233	(1.8%)	(250,057)	3.0%	(257,559)	3.0%
Sub-Total Environmental Services	90,837,731	93,738,031	96,444,224	99,231,603	2,900,300	3.2%	2,706,193	2.9%	2,787,379	2.9%
Capital and Reserve Impacts on Operating										
Contributions to Capital										
Water Quality Initiatives	58,771,000	36,982,000	40,607,000	36,642,000	(21,789,000)	(37.1%)	3,625,000	9.8%	(3,965,000)	(9.8%)
Wastewater	13,325,000	45,474,000	43,829,000	51,015,000	32,149,000	241.3%	(1,645,000)	(3.6%)	7,186,000	16.4%
Stormwater	10,959,000	8,516,000	8,655,000	7,065,000	(2,443,000)	(22.3%)	139,000	1.6%	(1,590,000)	(18.4%)
Sub-Total Contributions to Capital	83,055,000	90,972,000	93,091,000	94,722,000	7,917,000	9.5%	2,119,000	2.3%	1,631,000	1.8%
Contributions for DC Exemptions										
Water Quality Initiatives	2,800,000	2,547,000	2,264,000	1,981,000	(253,000)	(9.0%)	(283,000)	(0)	(283,000)	(12.5%)
Wastewater	3,870,000	4,590,000	4,080,000	3,570,000	720,000	18.6%	(510,000)	(0)	(510,000)	(12.5%)
Stormwater	730,000	1,863,000	1,656,000	1,449,000	1,133,000	155.2%	(207,000)	(0)	(207,000)	(12.5%)
Sub-Total Contributions for DC Exemptions	7,400,000	9,000,000	8,000,000	7,000,000	1,600,000	21.6%	(1,000,000)	(0)	(1,000,000)	(12.5%)
Debt Charges										
Water Quality Initiatives	9,925,680	9,448,542	15,713,674	22,714,566	(477,138)	(4.8%)	6,265,132	66.3%	7,000,893	44.6%
Wastewater	10,130,540	8,737,296	12,615,523	19,805,124	(1,393,244)	(13.8%)	3,878,227	44.4%	7,189,601	57.0%
Stormwater	2,272,050	1,839,143	4,121,060	6,432,916	(432,907)	(19.1%)	2,281,917	124.1%	2,311,856	56.1%
DC Debt Charges Recoveries	(3,647,840)	(2,917,437)	(9,132,587)	(18,299,366)	730,403	(20.0%)	(6,215,150)	213.0%	(9,166,780)	100.4%
Sub-Total Debt Charges	18,680,430	17,107,544	23,317,670	30,653,240	(1,572,886)	(8.4%)	6,210,126	36.3%	7,335,570	31.5%
Sub-Total Capital Financing	109,135,430	117,079,544	124,408,670	132,375,240	7,944,114	7.3%	7,329,126	6.3%	7,966,570	6.4%
Reserve Transfers	1,146,459	45,718	85,684	48,529	(1,100,740)	(96.0%)	39,966	87.4%	(37,155)	(43.4%)
Sub-Total Capital and Reserve Impacts on Operating	110,281,889	117,125,263	124,494,354	132,423,769	6,843,374	6.2%	7,369,091	6.3%	7,929,415	6.4%
TOTAL EXPENDITURES	201,119,620	210,863,294	220,938,578	231,655,372	9,743,674	4.8%	10,075,284	4.8%	10,716,793	4.9%

CITY OF HAMILTON
2018 - 2020 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2017 RESTATED BUDGET	2018 REQUESTED BUDGET	2019 PROJECTED BUDGET	2020 PROJECTED BUDGET	CHANGE 2018 REQUESTED / 2017 RESTATED BUDGET		CHANGE 2019 PROJECTED / 2018 REQUESTED BUDGET		CHANGE 2020 PROJECTED / 2019 PROJECTED BUDGET	
	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:										
Rate Revenue										
Residential	88,104,650	92,860,600	98,036,337	103,314,636	4,755,950	5.4%	5,175,737	5.6%	5,278,298	5.4%
Industrial/Commercial/Institutional/Multi-res	98,598,250	102,918,990	107,435,884	112,349,214	4,320,740	4.4%	4,516,894	4.4%	4,913,330	4.6%
Haldimand	2,190,750	2,196,300	2,197,759	2,329,304	5,550	0.3%	1,459	0.1%	131,545	6.0%
Halton	228,170	237,460	247,432	259,592	9,290	4.1%	9,972	4.2%	12,161	4.9%
Non-Metered	440,000	550,000	580,000	610,000	110,000	25.0%	30,000	5.5%	30,000	5.2%
Private Fire Lines	1,100,000	1,350,000	1,390,500	1,432,215	250,000	22.7%	40,500	3.0%	41,715	3.0%
Hauler / 3rd Party Sales	1,475,000	1,475,000	1,519,250	1,564,828	-	-	44,250	3.0%	45,578	3.0%
Overstrength Agreements	2,148,500	2,249,480	2,316,964	2,386,473	100,980	4.7%	67,484	3.0%	69,509	3.0%
Sewer Surcharge Agreements	3,581,800	4,000,000	4,120,000	4,243,600	418,200	11.7%	120,000	3.0%	123,600	3.0%
Sub-Total Utility Rates	197,867,120	207,837,830	217,844,126	228,489,861	9,970,710	5.0%	10,006,296	4.8%	10,645,735	4.9%
Non-Rate Revenue										
Local Improvement Recoveries	275,850	275,850	275,850	275,850	-	-	-	-	-	-
Permits/Leases/Agreements	1,486,650	1,441,603	1,484,851	1,529,397	(45,047)	(3.0%)	43,248	3.0%	44,546	3.0%
Investment Income	450,000	450,000	450,000	450,000	-	-	-	-	-	-
General Fees and Recoveries	1,040,000	858,011	883,751	910,264	(181,989)	(17.5%)	25,740	3.0%	26,513	3.0%
Sub-Total Non-Rate Revenue	3,252,500	3,025,464	3,094,452	3,165,510	(227,036)	(7.0%)	68,988	2.3%	71,058	2.3%
TOTAL REVENUES	201,119,620	210,863,294	220,938,578	231,655,372	9,743,674	4.8%	10,075,284	4.8%	10,716,793	4.9%
NET EXPENDITURES	-	-	-	-	-	-	-	-	-	-

CITY OF HAMILTON
2018-2027 WATER, WASTEWATER & STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM
(\$ 000'S)

	2017 Restated	2018 Requested	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	86,338	89,838	92,444	95,002	97,612	98,250	104,131	107,746	111,048	114,449	117,953
BIO-SOLIDS	4,500	3,900	4,000	4,230	4,129	4,215	4,302	4,392	4,484	4,578	4,676
TERTIARY TREATMENT	-	-	-	-	468	2,810	2,866	2,924	2,982	3,042	3,102
TOTAL OPERATING COSTS	90,838	93,738	96,444	99,232	102,209	105,275	111,299	115,062	118,514	122,069	125,731
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Water	58,771	36,982	40,607	36,642	43,231	47,091	53,919	55,565	62,419	58,453	60,494
Wastewater	13,325	45,474	43,829	51,015	47,019	51,790	45,750	46,550	53,105	59,705	75,500
Stormwater	10,959	8,516	8,655	7,065	6,615	7,145	6,815	11,445	4,545	8,845	7,395
Sub-total Contributions to Capital	83,055	90,972	93,091	94,722	96,865	106,026	106,484	113,560	120,069	127,003	143,389
Contributions for DC Exemptions											
Water	2,800	2,547	2,264	1,981	1,950	1,912	1,873	1,873	1,873	1,873	1,873
Wastewater	3,870	4,590	4,080	3,570	3,514	3,445	3,376	3,376	3,376	3,376	3,376
Stormwater	730	1,863	1,656	1,449	1,426	1,398	1,370	1,370	1,370	1,370	1,370
Sub-total Contributions to Capital	7,400	9,000	8,000	7,000	6,890	6,755	6,620	6,620	6,620	6,620	6,620
Debt Charges											
Water	9,926	9,449	15,714	22,715	27,167	28,555	28,953	29,078	30,638	32,944	33,465
Wastewater	10,131	8,737	12,616	19,805	26,094	28,010	29,125	30,223	30,952	31,270	34,114
Stormwater	2,272	1,839	4,121	6,433	7,830	8,140	8,451	8,762	9,073	9,383	9,694
DC Debt Charges Recoveries	(3,648)	(2,917)	(9,133)	(18,299)	(25,473)	(27,935)	(29,715)	(31,547)	(34,014)	(36,426)	(41,410)
Sub-total Debt Charges	18,680	17,108	23,318	30,653	35,618	36,770	36,814	36,517	36,649	37,172	35,863
Reserve Transfers											
	1,146	46	86	49	409	(910)	2,308	1,249	1,940	1,886	1,667
Sub-Total Capital & Reserve Impacts on Operating	110,282	117,125	124,494	132,424	139,782	148,641	152,226	157,945	165,278	172,681	187,539
TOTAL EXPENDITURES	201,120	210,863	220,939	231,655	241,991	253,916	263,525	273,007	283,792	294,750	313,270
REVENUES											
Residential	88,105	92,861	98,036	103,315	108,635	114,115	118,783	123,680	128,864	134,730	146,380
Industrial/Commercial/Institutional/Multi-res	98,598	102,919	107,436	112,349	116,861	122,732	127,148	131,184	136,197	140,711	146,963
Haldimand	2,191	2,196	2,198	2,329	2,410	2,545	2,624	2,715	2,829	2,921	3,034
Halton	228	237	247	260	269	282	291	300	312	323	340
Non-Metered	440	550	580	610	640	670	700	730	760	790	820
Private Fire Lines	1,100	1,350	1,391	1,432	1,475	1,519	1,565	1,612	1,660	1,710	1,761
Hauler / 3rd Party Sales	1,475	1,475	1,519	1,565	1,612	1,660	1,710	1,761	1,814	1,868	1,925
Overstrength Agreements	2,149	2,249	2,317	2,386	2,458	2,532	2,608	2,686	2,767	2,850	2,935
Sewer Surcharge Agreements	3,582	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219
Non-Rate Revenue	3,253	3,025	3,094	3,166	3,260	3,358	3,459	3,563	3,670	3,780	3,893
TOTAL REVENUES	201,120	210,863	220,939	231,655	241,991	253,916	263,525	273,007	283,792	294,750	313,270
NET EXPENDITURES	-	-	-	-	-	-	-	-	-	-	-
Rate Increase	4.85%	4.50%	4.66%	4.50%	4.26%	4.23%	4.17%	4.33%	4.33%	4.37%	4.28%
RESIDENTIAL BILL. (200m³ p.a.)	\$ 660.95	\$ 690.70	\$ 722.90	\$ 755.45	\$ 787.65	\$ 820.95	\$ 855.15	\$ 892.20	\$ 930.85	\$ 971.55	\$ 1,013.10

CITY OF HAMILTON
WATER SYSTEM
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City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Rehabilitation, Replacement & Upgrade Projects (SAM)</u>														
City Wide	4031814405	Contaminated Soil & Rock Disposal Program	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5141455425	Prestressed Concrete Cylinder Pipe Condition Assessment Inspection	500	94	-	406	-	-	-	-	406	406	-	-
4	5141641226	Centralized Water and WW Operations Centre (CASH FLOWED)	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
14, 15	5141667423	Freelton Well (FDF01) Capacity Increase	1,100	-	-	1,100	1,022	-	-	-	78	78	-	-
City Wide	5141760754	Kenilworth Transmission Watermain Renewal	2,200	-	-	2,200	-	-	-	-	2,200	200	2,000	-
City Wide	5141766421	Woodward WTP Fluoride Building HVAC	300	-	-	300	-	-	-	-	300	300	-	-
City Wide	5141811101	Road Restoration Program	5,400	-	-	5,400	-	-	-	-	5,400	5,400	-	-
City Wide	5141849555	QA-QC Service Contract Program	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5141851810	Fleet Additions	580	-	-	580	-	-	-	-	580	580	-	-
City Wide	5141855556	Mapping Update Program	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5141855851	Water Efficiency Plan/Program	150	-	-	150	-	-	-	-	150	150	-	-
City Wide	5141857626	Critical Watermain Inspection Program	330	75	-	255	-	-	-	-	255	255	-	-
City Wide	5141857627	Fennell Trunkmain Inspection	700	-	-	700	-	-	-	-	700	700	-	-
City Wide	5141857628	Saltfleet Trunkmain Inspection	550	-	-	550	-	-	-	-	550	550	-	-
City Wide	5141860080	Valve Replacement Program	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
City Wide	5141860577	Metallic Watermain Condition Assessment Program	700	150	-	550	-	-	-	-	550	550	-	-
City Wide	5141860711	PW Capital Water Consumption Program	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5141860750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	700	-	-	700	-	-	-	-	700	700	-	-
1, 2	5141861300	Barton - Queen to Locke	100	-	-	100	-	-	-	-	100	100	-	-
2	5141861300	Mulberry - Bay to James	700	-	-	700	-	-	-	-	700	700	-	-
City Wide	5141861502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,800	-	-	2,800	-	-	640	-	2,160	2,160	-	-
City Wide	5141862078	Substandard Water Service Replacement Program	2,750	-	-	2,750	-	-	-	-	2,750	2,750	-	-
City Wide	5141871074	Contingency for Unscheduled Works Program	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5141895956	Water Distribution Model	350	-	-	350	-	-	-	350	-	-	-	-
Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)			22,460	319	-	22,141	1,022	640	-	350	20,129	18,129	2,000	-
<u>Projects Coordinated with Roads Program (SAM)</u>														
City Wide	4411806202	Coordinated Road and Subsurface Works - Central Park	560	-	-	560	-	-	-	-	560	560	-	-
2	4411806202	Sheaffe / Cannon / Caroline / Railway / Mill / Harriet (Central Park)	1,100	-	-	1,100	-	-	-	-	1,100	1,100	-	-
8	5141571301	Rymal W - Garth to West 5th	1,950	-	-	1,950	-	-	-	-	1,950	195	1,755	-
2	5141771301	Watermain Replacement under CP Tracks at Ferguson	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5141870000	Coordinated Road and Subsurface Works	4,340	-	-	4,340	-	-	-	-	4,340	4,340	-	-
8	5141871301	Columbia / Hudson / Leadale / Marcus / Stacey / Verona	1,290	-	-	1,290	-	-	-	-	1,290	130	1,160	-
2	5141871301	Ferguson/Foster/Walnut/Patrick	200	-	-	200	-	-	-	200	-	-	-	-
7	5141871301	Mackenzie - East 27th to Upper Sherman (Burkholme Neighbourhood)	190	-	-	190	-	-	-	-	190	190	-	-
6	5141871301	Mohawk - Upper Ottawa to Upper Kenilworth	1,450	-	-	1,450	-	-	-	-	1,450	145	1,305	-
8	5141871301	South Bend & Delmar (Buchanan Neighbourhood)	940	-	-	940	-	-	-	-	940	940	-	-
3	5141871301	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	1,050	-	-	1,050	-	-	-	-	1,050	1,050	-	-
Sub-Total Projects Coordinated with Roads Program (SAM)			13,270	-	-	13,270	-	-	-	200	13,070	8,850	4,220	-

**CITY OF HAMILTON
WATER SYSTEM
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(000's)**

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Treatment Plant/Outstation Projects (SAM)</u>														
4	5141166110	Water Treatment Plant - Process Upgrades (CASH FLOWED)	6,290	-	-	6,290	-	-	-	550	5,740	-	5,740	-
5, 10, 11	5141267275	Stoney Creek Water Outstations Upgrades	500	-	-	500	-	-	-	-	500	500	-	-
4	5141269250	HVAC system Upgrades at New Environmental Laboratory and	220	-	-	220	-	-	-	-	220	220	-	-
1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	280	-	-	280	-	-	-	-	280	280	-	-
14	5141666608	Lynden Additional Water Supply	1,320	-	-	1,320	-	-	-	-	1,320	120	1,200	-
10	5141667420	Ben Nevis & Dewitt (HDD&A) Water Pumping Station Upgrades	880	-	-	880	-	-	-	-	880	880	-	-
15	5141767420	Carlisle Well Stations System Enhancements	500	-	-	500	-	-	-	-	500	500	-	-
14	5141767650	New Greenville Communal Well	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5141866713	Water Maintenance Capital Program	1,500	-	-	1,500	-	-	-	580	920	920	-	-
9	5141867651	HD007 Highland Rd Reservoir Upgrades	260	-	-	260	-	-	-	-	260	260	-	-
City Wide	5141867752	Water Outstation Inspections - Asset Management	660	-	-	660	-	-	-	-	660	660	-	-
15	5141895852	Carlisle Water System - Additional Water Storage (CASH FLOWED)	440	-	-	440	-	-	-	-	440	440	-	-
Sub-Total Treatment Plant/Outstation Projects (SAM)			12,960	-	-	12,960	-	-	-	1,130	11,830	4,890	6,940	-
<u>Treatment Plant/Outstation Projects (WQI)</u>														
City Wide	5141869075	City Environmental Lab Improvements Program	200	-	-	200	-	-	-	-	200	200	-	-
Sub-Total Treatment Plant/Outstation Projects (WQI)			200	-	-	200	-	-	-	-	200	200	-	-
<u>Master Plans</u>														
12	5141395354	PD18 (Ancaster) Elevated Reservoir (W-14) (CASH FLOWED)	60	-	-	60	30	-	-	-	30	30	-	-
11	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	550	-	-	550	550	-	-	-	-	-	-	-
13	5141596152	PD11 (Governor's Road) Watermain Extension (W-05)	580	-	-	580	580	-	-	-	-	-	-	-
5	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	7,550	-	-	7,550	5,512	-	-	-	2,038	403	1,635	-
13, 15	5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 (CASH FLOWED)	440	-	-	440	330	-	-	-	110	110	-	-
City Wide	5141855010	Water Systems Planning Program	300	-	-	300	-	-	-	70	230	230	-	-
Sub-Total Master Plans			9,480	-	-	9,480	7,002	-	-	70	2,408	773	1,635	-
<u>Development/Extension Projects</u>														
9	5141380370	Upper Mount Albion - Highland to approximately 410m S	400	-	-	400	400	-	-	-	-	-	-	-
6, 9	5141880886	Pritchard Rd - Connect Watermain from #355 to #601	110	-	-	110	-	-	-	-	110	110	-	-
Sub-Total Development/Extension Projects			510	-	-	510	400	-	-	-	110	110	-	-

CITY OF HAMILTON
WATER SYSTEM
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(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Coordinated - Network Extension Projects</u>														
6, 9	5141860887	Multi-Area Employment Lands - W/M for Extension to Pritchard	70	-	-	70	-	-	-	-	70	70	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>			70	-	-	70	-	-	-	-	70	70	-	-
<u>Coordinated Projects</u>														
City Wide	5141865777	LRT Corridor - Water Infrastructure Assessment and Approvals	220	-	-	220	-	-	-	-	220	220	-	-
<i>Sub-Total Coordinated Projects</i>			220	-	-	220	-	-	-	-	220	220	-	-
<u>Energy Management</u>														
City Wide	5141866350	Water Treatment Plant Lighting Upgrade	200	20	-	180	-	-	-	-	180	180	-	-
<i>Sub-Total Energy Management</i>			200	20	-	180	-	-	-	-	180	180	-	-
<u>Watermain Lining</u>														
City Wide	5141860072	Watermain Structural Lining	5,200	1,313	-	3,887	-	-	-	507	3,380	3,380	-	-
6	5141860072	Watermain Structural Lining - Site 1 (Sunning Hill)	2,000	-	-	2,000	-	-	-	-	2,000	180	1,820	-
<i>Sub-Total Watermain Lining</i>			7,200	1,313	-	5,887	-	-	-	507	5,380	3,560	1,820	-
Total All Projects			66,570	1,652	-	64,918	8,424	640	-	2,257	53,597	36,982	16,615	-

CITY OF HAMILTON
WASTEWATER SYSTEM
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(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Rehabilitation, Replacement & Upgrade Projects (SAM)</u>														
City Wide	4031814405	Contaminated Soil & Rock Disposal Program	100	-	-	100	-	-	-	-	100	100	-	-
4	5161641226	Centralized Water and Wastewater Operations Centre (CASH FLOWED)	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
6, 7	5161655351	Lawfield / Berrisfield Neighbourhoods	110	-	-	110	-	-	-	-	110	110	-	-
12	5161661434	Upsize Forcemain under Wilson Street (Wilson St & Rousseaux St)	50	-	-	50	-	-	-	-	50	50	-	-
15	5161718420	Grindstone Creek Utility Bridge	3,080	-	-	3,080	-	-	-	-	3,080	3,080	-	-
City Wide	5161811101	Road Restoration Program	1,800	-	-	1,800	-	-	-	-	1,800	1,800	-	-
City Wide	5161849555	QA-QC Service Contract Program	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5161855556	Mapping Update Program	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5161855640	Flow Monitoring Program	50	-	-	50	-	-	-	50	-	-	-	-
City Wide	5161855878	Forcemain Condition Assessment Program	300	-	-	300	-	-	-	-	300	300	-	-
City Wide	5161857545	Wastewater Computer Model Update & Maintenance	280	-	-	280	-	-	-	280	-	-	-	-
City Wide	5161860302	Emergency Repairs - Cross Connections Program	500	-	-	500	-	-	-	149	351	351	-	-
City Wide	5161860390	Wastewater System Lining Program	4,500	1,229	-	3,271	-	-	-	250	3,021	3,021	-	-
City Wide	5161860522	Sewer Lateral Management Program (WWC)	4,500	-	-	4,500	-	-	-	-	4,500	4,500	-	-
City Wide	5161860533	Trenchless Manhole Rehabilitation	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5161860574	Pre-Construction Mainline Condition Assessment	550	-	-	550	-	-	-	-	550	550	-	-
City Wide	5161860575	Mainline Sewer Condition Assessment Program	1,260	281	-	979	-	-	-	-	979	979	-	-
City Wide	5161860576	Sewer Lateral Condition Assessment Program	600	-	-	600	-	-	-	-	600	600	-	-
City Wide	5161860577	Mainline Sewer Condition Assessment for Compliance & Regulations	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5161860711	PW Capital Water Consumption Program	150	-	-	150	-	-	-	150	-	-	-	-
City Wide	5161860820	Open Cut Repairs for CIPP Program	550	-	-	550	-	-	-	-	550	550	-	-
City Wide	5161861444	Sewer Lateral Replace/Rehab Program	4,000	188	-	3,813	-	-	-	-	3,813	3,813	-	-
City Wide	5161861740	Unscheduled Manhole and Sewermain Replacement Program	320	-	-	320	-	-	-	-	320	320	-	-
11	5161862850	Eastern Interceptor Repair at the WWTP Aeration Tank	2,800	-	-	2,800	-	-	-	-	2,800	2,800	-	-
City Wide	5161871015	Sewer Lateral Replacement for Co-ordinated Projects	210	-	-	210	-	-	-	210	-	-	-	-
City Wide	5161871074	Contingency for Unscheduled Works Program	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5162166810	Woodward WWTP - New Maintenance Building (CASH FLOWED)	500	-	-	500	-	-	-	-	500	500	-	-
<i>Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)</i>			27,610	1,698	-	25,912	-	-	-	1,089	24,823	24,823	-	-
<u>Projects Coordinated with Roads Program (SAM)</u>														
3	5161861825	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	80	-	-	80	-	-	-	-	80	80	-	-
5, 9	5161871842	Locke St Sewer Rehabilitation	2,090	-	-	2,090	-	-	-	-	2,090	2,090	-	-
6	5161872840	Mohawk - Upper Ottawa to Upper Kenilworth	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
<i>Sub-Total Projects Coordinated with Roads Program (SAM)</i>			3,170	-	-	3,170	-	-	-	-	3,170	3,170	-	-

CITY OF HAMILTON
WASTEWATER SYSTEM
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(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Treatment Plant/Outstation Projects (SAM)</u>														
13	5161266213	Dundas WWTP Improvements (CASH FLOWED)	(1,400)	-	-	(1,400)	-	-	-	-	(1,400)	(1,400)	-	-
13	5161267273	Dundas Wastewater Outstations Upgrades	280	-	-	280	-	-	-	-	280	280	-	-
5	5161467756	Greenhill & Cochrane HCS01 Overflow Tank Upgrades(CASH FLOWED)	930	-	-	930	-	-	-	-	930	930	-	-
12, 13, 15	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades	1,400	-	-	1,400	-	-	-	-	1,400	1,400	-	-
City Wide	5161766745	Woodward WWTP - Operational Readiness	1,075	-	-	1,075	-	-	-	-	1,075	1,075	-	-
4	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5161866511	Woodward WWTP - Digester #4	5,500	-	-	5,500	-	-	500	3,050	1,950	1,950	-	-
City Wide	5161866713	Wastewater Maintenance Capital Program	4,750	-	-	4,750	-	-	-	-	4,750	4,750	-	-
City Wide	5161867752	Wastewater Outstation Inspections - Asset Management Program	520	-	-	520	-	-	-	-	520	520	-	-
<i>Sub-Total Treatment Plant/Outstation Projects (SAM)</i>			13,165	-	-	13,165	-	-	500	3,050	9,615	9,615	-	-
<u>Treatment Plant/Outstation Projects (WINS)</u>														
City Wide	5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	76,062	43,468	-	32,594	5,328	24,000	-	-	3,266	3,266	-	-
City Wide	5160966910	Woodward WWTP - Biosolids Management Facility	5,200	-	-	5,200	990	3,580	-	-	630	630	-	-
City Wide	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	150	-	-	150	-	-	-	-	150	150	-	-
City Wide	5161869075	City Environmental Lab Improvements Program	200	-	-	200	-	-	-	-	200	200	-	-
<i>Sub-Total Treatment Plant/Outstation Projects (WINS)</i>			81,612	43,468	-	38,144	6,318	27,580	-	-	4,246	4,246	-	-
<u>Master Plans</u>														
11	5161595858	Binbrook PS Upgrade (WW-20)	3,640	-	-	3,640	3,640	-	-	-	-	-	-	-
15	5161796786	First Street (Waterdown Sanitary) PS Upgrade DC014	1,930	-	-	1,930	585	-	-	-	1,345	1,345	-	-
City Wide	5161855010	Wastewater Systems Planning Program	300	-	-	300	-	-	-	220	80	80	-	-
<i>Sub-Total Master Plans</i>			5,870	-	-	5,870	4,225	-	-	220	1,425	1,425	-	-
<u>Development/Extension Projects</u>														
9	5161180184	Highland Rd - Winterberry to Upper Mount Albion	90	-	-	90	90	-	-	-	-	-	-	-
9	5161880184	Upper Mount Albion - Highland to Rymal	800	-	-	800	395	-	-	-	405	405	-	-
<i>Sub-Total Development/Extension Projects</i>			890	-	-	890	485	4,150	-	-	405	405	-	-
<u>Assessment Growth</u>														
11	5161860830	Windemere Rd Sewer Extension, Municipal Act	980	-	880	100	-	-	-	-	100	100	-	-
<i>Sub-Total Assessment Growth</i>			980	-	880	100	-	-	-	-	100	100	-	-
<u>Coordinated - Network Extension Projects</u>														
2	4411806202	Central Park	110	-	-	110	-	-	-	-	110	110	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>			110	-	-	110	-	-	-	-	110	110	-	-

CITY OF HAMILTON
WASTEWATER SYSTEM
2018 CAPITAL BUDGET PROJECT LIST
(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Coordinated Projects</u>														
City Wide	516185777	LRT Corridor - Wastewater Infrastructure Assessment and Approvals	220	-	-	220	-	-	-	-	220	220	-	-
<i>Sub-Total Coordinated Projects</i>			220	-	-	220	-	-	-	-	220	220	-	-
<u>Energy Management</u>														
City Wide	5161866350	Woodward Wastewater Treatment Plant Lighting Upgrade	690	50	-	640	-	-	-	-	640	640	-	-
<i>Sub-Total Energy Management</i>			690	50	-	640	-	-	-	-	640	640	-	-
<u>Maintenance Projects</u>														
4	5162068851	Pier 25 Dredging - Windermere Basin	170	-	-	170	-	-	-	-	170	170	-	-
<i>Sub-Total Maintenance Projects</i>			170	-	-	170	-	-	-	-	170	170	-	-
<u>Water Quality Initiatives (WQI)</u>														
City Wide	5161468422	Randle Reef Sediment Remediation (CASH FLOWED)	550	-	-	550	-	-	-	-	550	550	-	-
<i>Sub-Total Water Quality Initiatives (WQI)</i>			550	-	-	550	-	-	-	-	550	550	-	-
Total All Projects			135,037	45,216	880	88,941	11,028	27,580	500	4,359	45,474	45,474	-	-

CITY OF HAMILTON
STORM WATER MANAGEMENT
2018 CAPITAL BUDGET PROJECT LIST
(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Rehabilitation, Replacement & Upgrade Projects (SAM)</u>														
City Wide	4031814405	Contaminated Soil & Rock Disposal Program	100	-	-	100	-	-	-	-	100	100	-	-
5, 10, 11, 13	5181460452	Shoreline Protection Program	200	-	-	200	-	-	-	-	200	200	-	-
9, 11, 12, 15	5181562590	SWMP Retrofits	220	-	-	220	-	-	-	-	220	220	-	-
6, 7	5181672650	West Mountain - Storm Interceptor aka "Juggernaut" (CASH FLOWED)	3,300	1,969	-	1,331	-	-	-	-	1,331	1,331	-	-
City Wide	5181817152	Roadside Drainage Improvement Program	1,380	-	-	1,380	-	-	-	-	1,380	1,380	-	-
City Wide	5181817458	Catch Basin Replacement/Rehabilitation Program	500	-	-	500	-	-	-	-	500	500	-	-
City Wide	5181817549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span)	150	-	-	150	-	-	-	-	150	150	-	-
City Wide	5181849555	QA-QC Service Contract Program	60	-	-	60	-	-	-	-	60	60	-	-
City Wide	5181855556	Mapping Update Program	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5181860533	Trenchless Manhole Rehabilitation	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5181860622	SWM Pond/Creek Maintenance Program	1,200	-	-	1,200	-	-	-	-	1,200	1,200	-	-
10, 11, 12, 13, 14, 15	5181860722	Municipal Drain Maintenance Program	100	-	75	25	-	-	-	-	25	25	-	-
City Wide	5181861740	Unscheduled Manhole and Sewermain Replacement Program	30	-	-	30	-	-	-	-	30	30	-	-
City Wide	5181872074	Contingency for Unscheduled Works Program	100	-	-	100	-	-	-	-	100	100	-	-
5	5181872293	Bayside Ave Storm Sewer Replacement	780	-	-	780	-	-	-	-	780	780	-	-
13	5181874840	Sydenham Interceptor Swale Re-construction	260	-	-	260	-	-	-	-	260	260	-	-
5, 13	5181874841	Lower Davis Creek - Flood Control Facility	250	-	-	250	-	-	-	-	250	250	-	-
<i>Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)</i>			8,710	1,969	75	6,666	-	-	-	-	6,666	6,666	-	-
<u>Projects Coordinated with Roads Program (SAM)</u>														
3	5181772290	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmure	900	-	-	900	-	-	-	600	300	300	-	-
City Wide	5181870000	Coordinated Road and Subsurface Works	130	-	-	130	-	-	-	-	130	130	-	-
7	5181872290	Mackenzie - East 27th to Upper Sherman (Burkholme Neighbourhood)	390	-	-	390	-	-	-	390	-	-	-	-
<i>Sub-Total Projects Coordinated with Roads Program (SAM)</i>			1,420	-	-	1,420	-	-	-	990	430	430	-	-
<u>SERG Projects</u>														
1	5181260214	SERG - Parkside and Kipling Flood Solutions (CASH FLOWED)	170	-	-	170	-	-	-	-	170	170	-	-
13	5181823155	South St E and East St S in Dundas Drainage Improvement - SERG	60	-	-	60	-	-	-	-	60	60	-	-
3	5181872295	Main - Prospect to Gage - SERG B-3	110	-	-	110	-	-	-	-	110	110	-	-
11	5181872295	SERG - Winona Area Drainage Improvements	330	-	-	330	-	-	-	-	330	330	-	-
<i>Sub-Total SERG Projects</i>			670	-	-	670	-	-	-	-	670	670	-	-

CITY OF HAMILTON
STORM WATER MANAGEMENT
2018 CAPITAL BUDGET PROJECT LIST
(000's)

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Development/Extension Projects</u>														
9	5181380390	Highland - Upper Mount Albion to Easement	450	-	-	450	450	-	-	-	-	-	-	-
City Wide	5181880090	Storm Water Management Program	4,000	-	-	4,000	4,000	-	-	-	-	-	-	-
15	5181880281	Greystones Channel Rehab - Greensville	200	-	-	200	-	-	-	50	150	150	-	-
11	5181880870	Lewis Rd Culvert - approximately 200m n/o Barton	460	-	-	460	460	-	-	-	-	-	-	-
15	5181880871	Borer's Creek Channel and Culvert (Parkside Hills Ph 2)	1,160	-	-	1,160	1,160	-	-	-	-	-	-	-
15	5181880872	Flanders Drive Flooding	200	-	-	200	-	-	-	-	200	200	-	-
<i>Sub-Total Development/Extension Projects</i>			6,470	-	-	6,470	6,070	-	-	50	350	350	-	-
<u>Coordinated - Network Extension Projects</u>														
2	4411806202	Central Park	50	-	-	50	-	-	-	-	50	50	-	-
6, 9	5181880887	Multi-Area Employment Lands - Extension to Pritchard (new road)	350	-	-	350	-	-	-	-	350	350	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>			400	-	-	400	-	-	-	-	400	400	-	-
Total All Projects			17,670	1,969	75	15,626	6,070	-	-	1,040	8,516	8,516	-	-

**CITY OF HAMILTON
2018 RATE PROGRAM CAPITAL BUDGET SUMMARY
(\$000'S)**

	Gross Costs	Subsidy/ Other Revenues	Net Costs	Development Charges	Other Internal Sources	Reserves	Funding Required	Financing Source	
								Contribution From Operating	External Borrowings (Debentures)
2018 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	58,950	4,061	54,889	1,022	1,439	640	51,788	49,788	2,000
Projects Coordinated with Roads Program	18,300	-	18,300	-	1,190	-	17,110	12,890	4,220
S.E.R.G. Projects	670	-	670	-	-	-	670	670	-
Treatment Plant/Outstations Projects	26,125	-	26,125	-	4,680	-	21,445	14,505	6,940
Treatment Plant/Outstations Projects-WQI	750	-	750	-	-	-	750	750	-
Watermain Lining	7,200	1,313	5,887	-	507	-	5,380	3,560	1,820
Sub-Total	111,995	5,374	106,621	1,022	7,816	640	97,143	82,163	14,980
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	81,612	43,468	38,144	6,318	-	27,580	4,246	4,246	-
Sub-Total	81,612	43,468	38,144	6,318	-	27,580	4,246	4,246	-
Master Plan									
Horizontal and Vertical Assets	15,350	-	15,350	11,227	290	-	3,833	2,198	1,635
Sub-Total	15,350	-	15,350	11,227	290	-	3,833	2,198	1,635
Development Program									
Development\Extension Projects	9,430	880	8,550	6,955	50	-	1,545	1,545	-
Energy Management	890	70	820	-	-	-	820	820	-
Sub-Total	10,320	950	9,370	6,955	50	-	2,365	2,365	-
Total	219,277	49,792	169,485	25,522	8,156	28,220	107,587	90,972	16,615

CITY OF HAMILTON
2018 - 2027 WATER / WASTEWATER / STORM CAPITAL FINANCING PLAN
(\$'s)

	Restated 2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 - 2027
NET EXPENDITURES FORECAST												
WASTEWATER (NET)	28,197,000	45,474,000	43,829,000	75,056,000	59,569,000	51,790,000	45,750,000	46,550,000	53,105,000	59,705,000	75,500,000	556,328,000
WATER (NET)	58,771,000	53,597,000	67,448,000	50,856,000	53,754,000	54,091,000	53,919,000	55,565,000	71,419,000	66,453,000	60,494,000	587,596,000
STORM (NET)	10,959,000	8,516,000	8,655,000	9,115,000	6,615,000	7,145,000	6,815,000	11,445,000	4,545,000	8,845,000	7,395,000	79,091,000
TOTAL NET EXPENDITURES	97,927,000	107,587,000	119,932,000	135,027,000	119,938,000	113,026,000	106,484,000	113,560,000	129,069,000	135,003,000	143,389,000	1,223,015,000
SOURCE OF FINANCING												
DEBT ISSUES	14,872,000	16,615,000	26,841,000	40,305,000	23,073,000	7,000,000	0	0	9,000,000	8,000,000	0	130,834,000
TRANSFER FROM OPERATING	83,055,000	90,972,000	93,091,000	94,722,000	96,865,000	106,026,000	106,484,000	113,560,000	120,069,000	127,003,000	143,389,000	1,092,181,000
TOTAL CAPITAL FINANCING	97,927,000	107,587,000	119,932,000	135,027,000	119,938,000	113,026,000	106,484,000	113,560,000	129,069,000	135,003,000	143,389,000	1,223,015,000
OPERATING BUDGET IMPACT												
TRANSFER FROM OPERATING	83,055,000	90,972,000	93,091,000	94,722,000	96,865,000	106,026,000	106,484,000	113,560,000	120,069,000	127,003,000	143,389,000	1,092,181,000
DC EXEMPTION FUNDING	7,400,000	9,000,000	8,000,000	7,000,000	6,890,000	6,755,000	6,620,000	6,620,000	6,620,000	6,620,000	6,620,000	70,745,000
DEBT CHARGES (NET)	18,680,434	17,107,544	23,317,670	30,653,240	35,617,863	36,769,126	36,812,483	36,513,532	36,645,151	37,167,223	35,856,639	326,460,471
TOTAL CAPITAL FINANCING COSTS	109,135,434	117,079,544	124,408,670	132,375,240	139,372,863	149,550,126	149,916,483	156,693,532	163,334,151	170,790,223	185,865,639	1,489,386,471

CITY OF HAMILTON
2018 - 2027 CAPITAL FINANCING CHARGES - RATE PROGRAMS
(\$'s)

	Restated 2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018 - 2027
Wastewater												
Existing External Debt Charges	8,024,663	7,012,631	6,866,188	6,726,146	6,578,946	6,435,160	6,246,581	6,056,183	5,909,984	5,766,048	5,238,995	62,836,861
Existing - Recovery from DC's	-108,409	-113,893	-113,505	-113,130	-112,730	-112,342	-65,884	-19,434	-19,038	-18,650	-18,263	-706,869
New External Debt Charges - Funded from Rates	1,314,685	830,868	2,492,605	5,312,425	7,905,924	8,510,472	8,510,472	8,510,472	8,510,472	8,510,472	8,510,472	67,604,651
New External Debt Charges - Funded from DC's	791,192	893,797	3,256,730	7,766,553	11,609,024	13,063,983	14,368,326	15,656,621	16,531,666	16,993,462	20,364,052	120,504,213
Recovery from DC's	-791,192	-893,797	-3,256,730	-7,766,553	-11,609,024	-13,063,983	-14,368,326	-15,656,621	-16,531,666	-16,993,462	-20,364,052	-120,504,213
Contribution to Capital	13,325,000	45,474,000	43,829,000	51,015,000	47,019,000	51,790,000	45,750,000	46,550,000	53,105,000	59,705,000	75,500,000	519,737,000
DC Exemption Funding	3,870,000	4,590,000	4,080,000	3,570,000	3,513,900	3,445,050	3,376,200	3,376,200	3,376,200	3,376,200	3,376,200	36,079,950
Subtotal	26,425,939	57,793,607	57,154,288	66,510,440	64,905,039	70,068,339	63,817,368	64,473,421	70,882,618	77,339,069	92,607,403	685,551,594
% Incr (Decr) from Previous Year	-48%	119%	-1%	16%	-2%	8%	-9%	1%	10%	9%	20%	
Water												
Existing External Debt Charges	7,279,065	6,594,856	6,445,528	6,303,991	6,162,052	6,018,878	5,865,632	5,708,996	5,563,907	5,421,422	4,262,949	58,348,209
Existing - Recovery from DC's	-24,584	-24,584	-24,584	-24,584	-24,584	-24,584	-12,292	0	0	0	0	-135,210
New External Debt Charges - Funded from Rates	879,272	1,701,628	5,597,483	9,377,679	11,470,554	12,314,656	12,651,854	12,651,854	13,085,395	13,904,304	14,289,673	107,045,082
New External Debt Charges - Funded from DC's	1,753,140	1,152,058	3,670,662	7,032,897	9,534,835	10,221,792	10,435,318	10,717,089	11,988,854	13,618,742	14,912,493	93,284,740
Recovery from DC's	-1,753,140	-1,152,058	-3,670,662	-7,032,897	-9,534,835	-10,221,792	-10,435,318	-10,717,089	-11,988,854	-13,618,742	-14,912,493	-93,284,740
Contribution to Capital	58,771,000	36,982,000	40,607,000	36,642,000	43,231,000	47,091,000	53,919,000	55,565,000	62,419,000	58,453,000	60,494,000	495,403,000
DC Exemption Funding	2,800,000	2,547,000	2,264,000	1,981,000	1,949,870	1,911,665	1,873,460	1,873,460	1,873,460	1,873,460	1,873,460	20,020,835
Subtotal	69,704,753	47,800,901	54,889,428	54,280,086	62,788,891	67,311,615	74,297,654	75,799,310	82,941,762	79,652,186	80,920,083	680,681,916
% Incr (Decr) from Previous Year	46%	-31%	15%	-1%	16%	7%	10%	2%	9%	-4%	2%	
Storm												
Existing External Debt Charges	804,345	651,022	639,748	598,580	586,991	575,742	564,542	553,457	541,984	530,746	519,497	5,762,306
Existing - Recovery from DC's	-17,667	-24,363	-23,929	-23,509	-23,061	-22,627	-22,193	-21,768	-21,325	-20,890	-20,456	-224,122
New External Debt Charges - Funded from Rates	529,064	479,378	1,438,135	2,495,643	3,073,772	3,073,772	3,073,772	3,073,772	3,073,772	3,073,772	3,073,772	25,929,562
New External Debt Charges - Funded from DC's	938,642	708,743	2,043,177	3,338,693	4,169,004	4,489,974	4,810,944	5,131,915	5,452,885	5,773,855	6,094,826	42,014,016
Recovery from DC's	-938,642	-708,743	-2,043,177	-3,338,693	-4,169,004	-4,489,974	-4,810,944	-5,131,915	-5,452,885	-5,773,855	-6,094,826	-42,014,016
Contribution to Capital	10,959,000	8,516,000	8,655,000	7,065,000	6,615,000	7,145,000	6,815,000	11,445,000	4,545,000	8,845,000	7,395,000	77,041,000
DC Exemption Funding	730,000	1,863,000	1,656,000	1,449,000	1,426,230	1,398,285	1,370,340	1,370,340	1,370,340	1,370,340	1,370,340	14,644,215
Subtotal	13,004,742	11,485,037	12,364,954	11,584,713	11,678,932	12,170,172	11,801,461	16,420,801	9,509,771	13,798,968	12,338,153	123,152,961
% Incr (Decr) from Previous Year	44%	-12%	8%	-6%	1%	4%	-3%	39%	-42%	45%	-11%	
TOTAL FINANCING CHARGES	109,135,434	117,079,544	124,408,670	132,375,240	139,372,863	149,550,126	149,916,483	156,693,532	163,334,151	170,790,223	185,865,639	1,489,386,471
% Incr (Decr) from Previous Year		7%	6%	6%	5%	7%	0%	5%	4%	5%	9%	

2018 Tax Supported Capital Budget and Financing Plan
(\$000's)

		Project Specific Revenues						Financing Sources				
		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>	
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
			<u>Revenues</u>		<u>Reserves</u>	<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
<u>Community & Emergency Services</u>												
<u>Community Services</u>												
City Wide	6731641601	Hamilton's Community Bed Bug Strategy	320	-	-	320	-	-	-	-	-	
		Sub-Total Community Services	320	0	0	320	0	0	320	0	0	
<u>Housing Services</u>												
City Wide	6731741609	Poverty Reduction Investment	8,000	-	-	8,000	-	-	8,000	-	8,000	
City Wide	6731841610	Indigenous Poverty Reduction Investment	1,000	-	-	1,000	-	-	1,000	-	1,000	
City Wide	6731841611	Poverty Reduction Investment	2,000	-	-	2,000	-	-	2,000	-	2,000	
		Sub-Total Housing Services	11,000	0	0	11,000	0	0	11,000	0	11,000	
<u>Hamilton Fire Department</u>												
City Wide	7401851100	Fire Balaclava Replacement	220	-	-	220	-	-	220	-	220	
City Wide	7401851101	Automatic Vehicle Location Devices	360	-	-	360	-	-	360	-	360	
City Wide	7401851600	Annual Fire Equipment Replacement	617	-	-	617	-	617	-	-	-	
City Wide	7401851601	Annual Fire Vehicle Replacement	5,025	-	-	5,025	-	5,025	-	-	-	
		Sub-Total Hamilton Fire Department	6,222	0	0	6,222	0	5,642	0	580	580	
<u>Hamilton Paramedic Service</u>												
City Wide	7641851101	Annual Paramedic Service Equipment Replacement	1,019	-	-	1,019	-	1,019	-	-	-	
City Wide	7641851100	Annual Paramedic Service Vehicle Replacement	991	-	-	991	-	991	-	-	-	
		Sub-Total Hamilton Paramedic Service	2,010	0	0	2,010	0	2,010	0	0	0	
<u>Long Term Care Homes</u>												
City Wide	6301841001	ML - Roof Replacement	70	-	-	70	-	70	-	-	-	
City Wide	6301851001	ML - Replacement of 3 Chillers	666	-	-	666	-	166	500	-	500	
City Wide	6301741702	Wentworth Lodge - Exterior Walls - Batten Repair	470	-	-	470	-	470	-	-	-	
City Wide	6301841801	WL - 1989 Wing Roof Replacement	70	-	-	70	-	70	-	-	-	
City Wide	6301851002	ML & WL - Annual Resident Care Equipment	110	-	-	110	-	110	-	-	-	
City Wide	6301851003	WL - Bed Replacement	220	-	-	220	-	34	186	-	-	
		Sub-Total Long Term Care Homes	1,606	0	0	1,606	0	920	186	500	500	
		Total Community & Emergency Services	21,158	0	0	21,158	0	8,572	506	12,080	11,000	
<u>Planning & Economic Development</u>												
<u>Growth Management</u>												
City Wide	4141846100	City Share of Servicing Costs under Subdivision Agreements	3,000	-	-	3,000	3,000	-	-	-	-	
		Sub-Total Growth Management	3,000	0	0	3,000	3,000	0	0	0	0	

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		Project Specific Revenues						Financing Sources				
		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>	
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
<u>Parking Services</u>												
City Wide	4901841800	Fence Replacement - Municipal Carparks	100	-	-	100	-	100	-	-	-	-
City Wide	4901841801	Elevator Replacement-York Parkade	400	-	-	400	-	400	-	-	-	-
2	4901841802	Summers Lane Reconstruction	500	-	-	500	-	500	-	-	-	-
City Wide	4901751700	Parking Payment Equipment	400	-	-	400	-	400	-	-	-	-
Sub-Total Parking Services			1,400	0	0	1,400	0	1,400	0	0	0	0
<u>Planning Services</u>												
City Wide	8120955900	Community Planning Studies	30	-	-	30	-	30	-	30	-	-
City Wide	8121755705	Urban and Rural Official Plan Five Year Review	181	-	-	181	81	100	-	100	-	-
Sub-Total Planning Services			211	0	0	211	81	130	0	130	0	0
<u>Tourism & Culture</u>												
2	7201841803	St. Mark's Interior Restoration	500	-	-	500	-	500	-	-	500	-
8	7201841808	Auchmar Wall Project	547	-	-	547	-	547	-	-	547	-
City Wide	7201858803	Hamilton and Scourge Security	75	-	-	75	-	75	-	-	75	-
City Wide	7201858802	Art and Monuments	55	-	-	55	-	55	-	-	55	-
4	7201841802	Hamilton Museum of Steam & Technology Keefer Steps	65	-	-	65	-	65	-	-	65	-
3	7201841804	Children's Museum Expansion-Exhibits	350	-	-	350	-	350	-	-	350	-
1	7201841805	Dundum Small Dinning Room Conservation	55	-	-	55	-	55	-	-	55	-
2	7201841807	2018 Whitehern Hall Conservation	55	-	-	55	-	55	-	-	55	-
Sub-Total Tourism & Culture			1,702	0	0	1,702	0	1,702	0	0	1,702	0
<u>Urban Renewal</u>												
City Wide	8201703706	Community Downtowns and BIAs	324	-	-	324	-	324	-	-	324	-
City Wide	3621708002	Brownfield Development	250	-	-	250	-	250	-	-	250	-
City Wide	7201858801	(TCD) City of Hamilton Music Strategy	50	-	-	50	50	-	-	-	0	-
City Wide	8201703100	Office Tenancy Assistance Program	25	-	-	25	-	25	-	-	25	-
	8201703700	Barton/Kenilworth Commercial Corridor Building Grant Program	700	-	-	700	-	700	-	-	700	-
2, 3, 4	8201703701	Barton and Kenilworth Rebate of Planning and Building Fees	230	-	-	230	-	230	-	-	230	-
City Wide	8201703703	(BIA) Commercial Property Improvement Grant Program	406	-	-	406	-	406	-	-	406	-
City Wide	8201703704	Commercial Property Improvement Grant Program	250	-	-	250	-	250	-	-	250	-
2, 3, 4	8201703900	Downtown West Harborfront Remediation Loan Program	25	-	-	25	-	25	-	20	5	-
Sub-Total Urban Renewal			2,260	0	0	2,260	50	2,210	0	20	2,190	0
Total Planning & Economic Development			8,573	0	0	8,573	3,081	1,450	0	4,042	150	3,892

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<u>Gross</u>		<u>Other</u>	<u>Net</u>	<u>Dev</u>		<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>	
<u>Costs</u>	<u>Subsidies</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Reserves</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
		<u>Revenues</u>				<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
<u>Outside Boards & Agencies</u>												
<u>CityHousing Hamilton</u>												
City Wide	6181841602	City Housing Contribution	500	-	-	500	-	-	500	-	500	
Sub-Total CityHousing Hamilton			500	0	0	500	0	0	500	0	500	
<u>H.C.A. & Westfield Heritage Village</u>												
City Wide	3801856100	Hamilton Conservation Authority Critical and Safety Projects	1,850	-	-	1,850	-	-	1,850	1,850		
City Wide	3801858902	Westfield Heritage Village - Critical and/or Safety Projects	150	-	-	150	-	-	150	-	150	
Sub-Total H.C.A. & Westfield Heritage Village			2,000	0	0	2,000	0	0	2,000	0	1,850	
<u>Hamilton Beach Rescue (HBRU)</u>												
City Wide	2861851700	HBRU Renovations & Equipment Purchases	42	-	-	42	-	42	-	-		
Sub-Total Hamilton Beach Rescue (HBRU)			42	0	0	42	0	42	0	0	0	
<u>Hamilton Public Library</u>												
14	7501741610	New Library - Greensville - DC Debt	1,345	-	-	1,345	652	200	-	493	493	
9	7501741601	Valley Park Library Expansion - DC Debt	4,999	-	1,250	3,749	1,572	410	-	1,767	507	
Sub-Total Hamilton Public Library			6,344	0	1,250	5,094	2,224	610	0	2,260	1,000	
<u>Police Services</u>												
City Wide	3761851801	Marine Vessel (Hike)	500	-	-	500	-	-	500	-	500	
City Wide	3761851802	Ice Rescue Equipment	80	-	-	80	-	-	80	-	80	
City Wide	3761851803	Command Van	750	-	-	750	-	-	750	-	750	
Sub-Total Police Services			1,330	0	0	1,330	0	0	1,330	0	1,330	
Total Outside Boards & Agencies			10,216	0	1,250	8,966	2,224	652	0	6,090	1,850	
<u>Council Initiatives</u>												
<u>Area Rating Special Capital Reinvestment</u>												
1	3301809100	Ward 1 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
2	3301809200	Ward 2 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
3	3301809300	Ward 3 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
4	3301809400	Ward 4 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
5	3301809500	Ward 5 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
6	3301809600	Ward 6 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
7	3301809700	Ward 7 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
8	3301809800	Ward 8 Capital Reinvestment	100	-	-	100	-	100	-	-	-	
5	4241609505	Food Centre Pilot Project - Board of Health 15-007	70	-	-	70	-	70	-	-	-	
Sub-Total Area Rating Special Capital Reinvestment			870	0	0	870	0	870	0	0	0	

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		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>	
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
<u>Council Strategic Projects</u>												
City Wide	2110953900											
	Randle Reef Rehabilitation Project	375	-	-	375	-	-	375			375	
Sub-Total Council Strategic Projects		375	0	0	375	0	0	375	0	0	375	
Total Council Initiatives		1,245	0	0	1,245	0	870	375	0	0	375	
<u>City Manager</u>												
<u>City Manager</u>												
City Wide	3381858502											
	Enhancing City of Hamilton App for citizen services	40	-	-	40	-	-	40	-			
City Wide	3381858503											
	Performance Excellence - Dashboard, Open Data Infrastructure (Hub and Data Portal)-Cash Flow	250	-	-	250	-	-	250	-			
Sub-Total City Manager		290	0	0	290	0	0	290	0	0	0	
<u>Human Resources</u>												
City Wide	2051857111											
	Corporate KRONOS	250	-	-	250	-	96	36	118		118	
City Wide	2051759701											
	HR Self Service Enhancements Phase 1 and Phase 2	150	-	-	150	-	-	-	150		150	
City Wide	2051759702											
	Profile Management Phase 1 and Phase 2	100	-	-	100	-	-	-	100		100	
Sub-Total Human Resources		500	0	0	500	0	96	36	368	0	368	
Total City Manager		790	0	0	790	0	96	326	368	0	368	
<u>Corporate Services</u>												
<u>City Clerk</u>												
City Wide	3521858100											
	Digitization of Microfiche Records	125	-	-	125	-	125	-	-			
Sub-Total City Clerk		125	0	0	125	0	125	0	0	0	0	
<u>Finance</u>												
City Wide	2051580510											
	DC Exemptions Recovery	5,000	-	-	5,000	-	-	-	5,000	5,000		
City Wide	3381857501											
	Capital Budget System Upgrade	50	-	-	50	-	-	-	50		50	
City Wide	3381855301											
	2019 Development Charges' Bylaw Studies	650	-	-	650	585	-	-	65		65	
Sub-Total Finance		5,700	0	0	5,700	585	0	0	5,115	0	5,000	
<u>Information Technology (IT)</u>												
City Wide	3501757702											
	Network Infrastructure Sustainability and Continuous Improvement	160	-	-	160	-	-	-	160		160	
City Wide	3501657602											
	IT Security	160	-	-	160	-	-	-	160		160	
City Wide	3501857801											
	IT Strategy and Enterprise Architecture	395	-	-	395	-	340	-	55		55	
City Wide	3501357302											
	Common Address Database (on behalf of all Departments)	125	-	-	125	-	-	-	125		125	
Sub-Total Information Technology (IT)		840	0	0	840	0	340	0	500	0	500	
Total Corporate Services		6,665	0	0	6,665	585	465	0	5,615	0	5,500	

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		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>			
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>				
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>				
									<u>Dividends</u>					
<u>Public Works Tax</u>														
<u>Corporate Facilities</u>														
12	3541641602	Ancaster Memorial Arts & Culture Centre	11,200	6,000	4,900	300	-	300	-	-	-			
7	3541841801	Rymal Yard Building Envelope Repairs	150	-	-	150	-	-	150	-	-			
11	3541841910	Stoney Creek City Hall -RCMP Lease Capital Replacement	210	-	-	210	-	210	-	-	-			
City Wide	3541849003	Backflow Prevention for Various Facilities	450	-	-	450	-	-	-	450	450			
2	3541741603	Central Library Window Replacement	1,227	-	-	1,227	-	-	-	1,227	1,227			
City Wide	3541841409	Program - Facilities Code & Legislative Compliance	680	-	-	680	-	-	-	680	680			
City Wide	3541841412	Program - Roof Management	600	-	-	600	-	-	-	600	600			
City Wide	3541841532	Program - Facility Capital Maintenance	350	-	-	350	-	-	-	350	350			
City Wide	3541841631	Program - Facilities Security	150	-	-	150	-	-	-	150	150			
City Wide	3541855100	Corporate Facilities Audit Program	100	-	-	100	-	-	-	100	100			
5, 10	3541855701	Confederation Beach Park Facility Assessment	150	-	-	150	-	150	-	-	-			
City Wide	3541841013	Program - Firestations Facility Upgrade	350	-	-	350	-	-	-	350	350			
City Wide	3541841010	Program - Facility Upgrades to Hamilton Public Libraries	100	-	-	100	-	-	-	100	100			
City Wide	3541841648	Program - Parking Lot Rehabilitation	350	-	-	350	-	-	-	350	350			
City Wide	3541855001	Program Yard Capital Renewal	150	-	-	150	-	-	-	150	150			
Sub-Total Corporate Facilities			16,217	6,000	4,900	5,317	0	660	150	4,507	0	250	4,257	0
<u>Recreation Facilities</u>														
City Wide	7101854536	Program - Arena Retrofits	250	-	-	250	-	-	-	250	250			
15	7101454202	Waterdown Memorial Park Ice Loop	380	-	-	380	380	-	-	-	-			
6	7101649601	Bernie Arbour Stadium - Upgrades	150	-	-	150	-	-	-	150	150			
13	7101854807	Dundas Valley Community Park Improvement &	350	-	-	350	-	-	-	350	350			
2	7101854810	Durand Washroom Facility	50	-	-	50	-	50	-	-	-			
2	7101841800	Parks North Yard at Bayfront Park	3,115	-	-	3,115	800	-	2,315	-	-			
5	7101854803	Domenic Agostino Riverdale Community Centre - Expansion - DC Debt	500	-	-	500	450	-	-	50	50			
7	7101854811	Hill Park Recreation Centre - Renovation	827	-	-	827	-	-	427	400	400			
City Wide	7101854702	Program - Facility Capital Maintenance	200	-	-	200	-	-	-	200	200			
City Wide	3541855101	Recreation Facilities Audit Program	110	-	-	110	-	-	-	110	110			
City Wide	7101841701	Program - Community Halls Retrofits	100	-	-	100	-	-	-	100	100			
8	7101654802	William Connell Park Washroom Facility	700	-	-	700	630	-	-	70	70			
City Wide	7101854105	Program - Park & Fieldhouse Retrofits	250	-	-	250	-	-	-	250	250			
City Wide	7101854508	Public Use Feasibility Needs & Study	150	-	-	150	108	-	-	42	42			
4	7101558501	Parkdale Outdoor Pool Redevelopment	1,000	-	-	1,000	198	-	-	802	802			
3	7101654700	Pinky Lewis Recreation Centre Expansion Project	500	-	-	500	-	-	-	500	500			
11	7101754701	Glanbrook Arena Elevator	600	200	-	400	-	-	-	400	400			
5	7101754805	Sir Wilfrid Laurier Gymnasium Replacement/Addition.	550	-	-	550	-	-	-	550	550			
City Wide	7101841706	Program - Recreation Centre Retrofits	200	-	-	200	-	-	-	200	200			
City Wide	7101854703	Program - Senior Centre Retrofits	100	-	-	100	-	-	-	100	100			

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			<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>	
				<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>	
										<u>Dividends</u>		
15	7101841213	Flamborough Seniors Recreation Centre Barrier -Free Washroom	220	-	-	220	-	220	-			
1	7101758002	Alexander Park Spraypad	194	44	-	150	-	-	150	0		
9	7101858802	Maplewood Park Washroom Lifecycle Repairs	100	-	-	100	-	-	-		100	
Sub-Total Recreation Facilities			10,596	244	0	10,352	2,566	270	2,892	4,624	0	4,624
Entertainment Facilities												
2	3721841801	Program FirstOntario Concert Hall	200	-	200	-	-	-	-			
2	3721851803	Hamilton Convention Centre Exterior Restoration	2,000	-	-	2,000	-	-	2,000			
2	3721841805	Program HCC, FOCH & FOC Lifecycle Renewal	500	-	-	500	-	-	-	500		
2	3721851801	First Ontario Centre Vertical Transportation	4,300	-	-	4,300	-	1,487	2,013	800		800
Sub-Total Entertainment Facilities			7,000	0	200	6,800	0	1,487	4,013	1,300	0	1,300
Fleet Services												
City Wide	4941851001	Shop Equipment Replacement	162	-	-	162	-	162	-			
City Wide	4941851004	Street Sweeper Purchase	720	-	-	720	-	720	-			
City Wide	4941851100	Fleet Vehicle&Equipment Replace Program	6,857	-	-	6,857	-	6,857	-			
Sub-Total Fleet Services			7,739	0	0	7,739	0	7,739	0	0	0	0
Forestry & Horticulture												
City Wide	4451451004	Gage Park Tropical House	300	-	-	300	-	-	300			300
City Wide	4451153001	Emerald Ash Borer (EAB) Management Plan Council	2,600	-	-	2,600	-	-	2,600		2,000	600
City Wide	4451751007	Rural Street Tree, Parks and Cemeteries (Citywide)	97	-	-	97	-	-	97			97
City Wide	4451853444	Tree Planting Program	1,345	-	-	1,345	-	397	948			948
Sub-Total Forestry & Horticulture			4,342	0	0	4,342	0	0	397	3,945	0	2,000
O & M - Parks & Cemeteries												
City Wide	4401849801	Monitoring and Repairs of the Escarpment and	65	-	-	65	-	-	65			65
7	3541841801	Rymal Yard Building Envelope Repairs	75	-	-	75	-	-	75			75
City Wide	4401549503	Cemetery Development	20	-	-	20	-	-	20			20
City Wide	4401849007	Cemetery Columbarium	50	-	-	50	-	50	-			
City Wide	4401841001	Cemetery Building Repairs	100	-	-	100	-	-	100			100
City Wide	4401849107	Park Fencing Program	100	-	-	100	-	-	100			100
City Wide	4401849802	Heritage Green Maintenance Building Site Works	150	-	-	150	-	-	150			150
City Wide	4401849510	Spraypad Infrastructure Rehabilitation Program	40	-	-	40	-	-	40			40
City Wide	4401849008	Extreme Park Makeover Program	15	-	-	15	-	-	15			15
City Wide	4401852600	Playground Lifecycle Replacement Program	200	-	-	200	-	-	200			200
City Wide	4401856001	Leash free Dog Park Program	80	-	-	80	-	80	-			
City Wide	4401851601	Equipment Acquisition (DC) Program	247	-	-	247	-	-	-			
City Wide	4401851700	Small Equipment Replacement (Reserve) Program	75	-	-	75	-	75	-			
City Wide	4401849101	Park Pathway Resurfacing Program	133	-	-	133	-	-	133			133
City Wide	4401852100	CSA Safety Material Replacement Program	145	-	-	145	-	-	145			145
City Wide	4401811601	Cemetery Roads Rehabilitation Program	85	-	-	85	-	-	85			85
City Wide	4401855800	QC/CA - Parks and Cemeteries Material Testing	10	-	-	10	-	-	10			10
Sub-Total O & M - Parks & Cemeteries			1,590	0	0	1,590	247	205	0	1,138	0	1,138

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		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>				
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>				
									<u>Dividends</u>					
<u>Open Space Development</u>														
8	4401756824	William Connell Community Park	250	-	-	250	225	-	-	25	25			
City Wide	4401855600	Parks Testing and Reporting	50	-	-	50	-	-	-	50	50			
1	4401856127	Churchill Park Master Plan Implementation Phase 2	50	-	-	50	-	-	-	50	50			
15	4401856300	Parkside Hills	458	-	-	458	412	-	-	46	46			
2	4401856615	John St. N. & Rebecca St. Park - Master Plan	360	-	-	360	-	-	360	-	-			
5	4401856802	Beach Park Development Program	100	-	-	100	-	100	-	-	-			
9	4401856804	Highbury Meadows North Park (Proposed)	80	-	-	80	72	-	-	8	8			
9	4401856805	Cline Park Redevelopment	60	-	-	60	-	-	-	60	60			
12	4401856806	Bookjans West Proposed Park (25T 200725) - Ancaster	70	-	-	70	63	-	-	7	7			
11	4401856807	Glanbrook Hills Phase 2	100	-	-	100	-	-	-	100	100			
14	4401856812	Spencer Creek Estates (14)	60	-	-	60	54	-	-	6	6			
8	4401856813	Chedoke Falls Viewing Feasibility Study	60	-	-	60	-	-	-	60	60			
11	4401856815	Caterini Park (Binbrook)	610	-	-	610	549	-	-	61	61			
11	4401856817	Fifty Road Parkette Redevelopment	100	-	-	100	-	-	-	100	100			
City Wide	4401856819	Waterfalls Viewing	120	-	-	120	-	-	-	120	120			
2	4401856910	John St. N. & Rebecca St. Park - Land Acquisition	1,550	-	-	1,550	-	1,550	-	-	-			
2	4411806201	Central Park Redevelopment	1,647	-	-	1,647	-	-	611	1,036	1,036			
4	4241809401	AM Cunningham Park redevelopment	338	-	-	338	-	338	-	-	-			
3	4401256520	Gage Park Redevelopment - Walkway lighting & Paving	400	-	-	400	-	-	-	400	400			
11	4401456009	Mount Hope Park Development	500	-	-	500	-	-	93	407	407			
4	4241409341	W4 Pipeline Trail	300	-	-	300	-	-	100	200	200			
City Wide	4401556504	Trails Master Plan Programming	75	-	-	75	-	-	-	75	75			
5	4401856803	RHV Trails Master Plan - The Nest	300	-	-	300	-	-	-	300	300			
City Wide	4401856601	Legislated Monitoring	50	-	-	50	-	-	-	50	50			
9	4401556503	Heritage Green Community Sports Park Implementation	80	-	-	80	-	-	-	80	80			
Sub-Total Open Space Development			7,768	0	0	7,768	1,375	1,988	1,164	3,241	0	0	3,241	0
<u>Roads</u>														
<u>Asset Preservation</u>														
7	4031811016	Asset Preservation - Burkholme Neighbourhood	4,700	-	-	4,700	-	-	-	4,700	4,230	470		
7	4241809702	Area Rating - Thomer Neighbourhood (North Section)	1,000	-	-	1,000	-	1,000	-	-	-			
<u>Bridges & Structures</u>														
14	4031418425	Bridge 450 - Highway No. 5, 150m w/o Hunter Rd	1,600	-	-	1,600	-	-	-	1,600	1,440	160		
13	4031618090	Bridge 090 - McMurray St, 100m s/o of Hatt St	170	-	-	170	-	-	-	170	170			
13	4031818089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	200	-	-	200	-	-	-	200	200			
14	4031818108	Bridge 108 - Indian Trail, 1025m w/o Lynden Rd	130	-	-	130	-	-	-	130	130			
11	4031818150	Bridge 150 - Tapleytown Rd, 550m n/o Green Mountain	200	-	-	200	-	-	-	200	200			
11	4031818159	Bridge 159 - Regional Rd 56 to 615m s/o Hall Rd	30	-	-	30	-	-	-	30	30			
11	4031818189	Bridge 189 - Regional Rd 56, 565 m s/o Kirk Rd	30	-	-	30	-	-	-	30	30			
City Wide	4031818217	Bridge and Culvert Maintenance	2,000	-	-	2,000	-	-	-	2,000	2,000			
13	4031818296	Bridge 296 - Governors Rd, 45m e/o Ogilvie St	170	-	-	170	-	-	-	170	170			
2	4031818313	Bridge 313 - Arkledun Ave (Jolley Cut), over Claremont	350	-	-	350	-	-	315	35	35			
9	4031818366	Bridge 366 - Mud St W, 320m e/o Paramount Dr	100	-	-	100	-	-	-	100	100			

2018 Tax Supported Capital Budget and Financing Plan
(\$000's)

		Project Specific Revenues							Financing Sources			
		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other</u>	<u>From</u>	<u>Debt</u>	
		<u>Costs</u>	<u>Subsidies</u>	<u>Revenues</u>	<u>Costs</u>	<u>Charges</u>	<u>Reserves</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
									<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
12	4031818372	Bridge 372 - Wilson St E, 1700m e/o Rousseaux St	30	-	-	30	-	-	-	30		30
11	4031818404	Bridge 404 - Harrison Rd - 910m s/o Kirk Road	170	-	-	170	-	-	-	170		170
9	4031818407	Bridge 407 - Queenston Rd, 320m e/o Lake Ave	130	-	-	130	-	-	-	130		130
11	4031818437	Bridge 437 - Miles Rd, 610m s/o Dickenson Rd E	130	-	-	130	-	-	-	130		130
11	4031818441	Bridge 441 - Harrison Rd - 665m n/o Hall Rd	100	-	-	100	-	-	-	100		100
11	4031818444	Bridge 444 - Guyatt Rd - 200m w.o. Hendershot Rd	130	-	-	130	-	-	-	130		130
Computer Technology												
City Wide	4661820019	Traffic Controller Replacement Program	600	-	-	600	-	-	400	200		200
Council Priority												
1	4031611601	Council Priority - Ward 1 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
2	4031611602	Council Priority - Ward 2 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
3	4031611603	Council Priority - Ward 3 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
4	4031611604	Council Priority - Ward 4 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
5	4031611605	Council Priority - Ward 5 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
6	4031611606	Council Priority - Ward 6 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
7	4031611607	Council Priority - Ward 7 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
8	4031611608	Council Priority - Ward 8 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
9	4031611609	Council Priority - Ward 9 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
10	4031611610	Council Priority - Ward 10 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
11	4031611611	Council Priority - Ward 11 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
12	4031611612	Council Priority - Ward 12 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
13	4031611613	Council Priority - Ward 13 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
14	4031611614	Council Priority - Ward 14 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
15	4031611615	Council Priority - Ward 15 Minor Rehabilitation	200	-	-	200	-	-	-	200	100	100
Council Priority - Rehabilitation												
10	4031811015	Barton - Gray to Green	1,080	-	-	1,080	-	-	460	620	558	62
Development Engineering												
15	4031380360	Waterdown - Burlington Road Upgrades - DC Debt	5,380	-	-	5,380	5,380	-	-	-		
11	4031780790	Baseline - Access Road	500	-	-	500	500	-	-	-		
City Wide	4031880582	Development Road Urbanization	500	-	-	500	476	-	-	24		24
8	4031880852	Southridge Court cul-de-sac (Chedoke Hospital Lands)	90	-	-	90	-	-	90	-		
12	4031880853	McClure - Garner Road to approximately 200m northerly	110	-	-	110	110	-	-	-		
11	4031880883	Dickenson Road Class EA (Upper James to Southcote)	440	-	-	440	380	-	-	60		60
6, 9	4031880887	Multi-Area Employment Lands - Street A Extension to	320	-	-	320	-	-	-	320		320
Replacement Program												
8	4031419101	Rymal W - Garth to West 5th	5,770	-	-	5,770	2,010	-	-	3,760	3,193	567
2, 3	4031617642	Sherman Access Retaining Wall Replacement	3,000	-	-	3,000	-	-	-	3,000	2,700	300
6	4031619101	Mohawk - Upper Ottawa to Upper Kenilworth	3,300	-	-	3,300	-	1,370	1,930	1,737		193
City Wide	4031810006	Minor Construction Program	300	-	-	300	-	-	-	300		300
City Wide	4031811225	Geotechnical Investigation Program	700	-	-	700	-	-	-	700	630	70
City Wide	4031814405	Contaminated Soil & Rock Disposal Program	100	-	-	100	-	-	-	100		100
13	4031819101	Baldwin / Court - West St. to Dundas St.	150	-	-	150	-	-	-	150		150
8	4031819101	Columbia/Hudson/Leadale/Marcus/Stacey/Verona	2,680	-	-	2,680	-	-	1,060	1,620	1,458	162
1	4031819101	Locke - Herkimer to Main	150	-	-	150	-	-	-	150		150
7	4031819101	Mackenzie - East 27th to Upper Sherman (Burkholme	450	-	-	450	-	-	130	320	288	32

2018 Tax Supported Capital Budget and Financing Plan
(\$000's)

		Project Specific Revenues							Financing Sources			
		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>	
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>		
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>		
									<u>Dividends</u>			
8	4031819101	South Bend & Delmar (Buchanan Neighbourhood)			1,710	-	1,060	650				
City Wide	4031849555	QA-QC Service Contract Program			150	-	-	-	150		150	
2	4241709201	Area Rating - Ferguson Ave N - Simcoe to Burlington			150	-	150	-	-			
7	4241809703	Area Rating - Viceroy - Callie to north end			200	-	200	-	-			
2	4411806202	Sheaffe / Cannon / Caroline / Railway / Mill / Harriet			1,380	-	-	510	870	783		87
Retaining Wall												
2, 7	4031817644	Claremont Access - Bin Wall Removal			170	-	-	-	170			170
Road Operations & Maintenance												
7	3541841801	Rymal Yard Building Envelope Repairs			75	-	-	-	75			75
City Wide	4031651620	Road Operations and Maintenance Fleet Replacement			500	-	-	-	500			500
City Wide	4031810005	Major Road Maintenance Program			1,000	-	-	-	1,000			1,000
City Wide	4031810012	Railway Roadway Crossings Rehabilitation Program			150	-	-	-	150			150
City Wide	4031811224	Sidewalk Rehabilitation Program			700	-	-	-	700			700
City Wide	4031817241	Fencing/Sound Barrier Rehabilitation/Replacement			150	-	-	-	150			150
City Wide	4031817677	Preventative Maintenance Program			2,790	-	-	1,350	1,440	1,296		144
City Wide	4031821350	Fleet Additions - Roads O&M			300	-	193	-	107			107
City Wide	4031841762	Yard Facility Maintenance and Improvement Program			100	-	-	-	100			100
City Wide	4031851410	Roads - Small Equipment Replacement			50	-	50	-	-			-
City Wide	4041757722	Road Operations - GPS/AVL Service			50	-	-	-	50			50
City Wide	4041757723	HANSEN/INFOR Mobile Application			120	-	-	-	120			120
City Wide	4041810004	Escarpment Slope & Appurtenance Stabilization			1,000	-	-	-	1,000	900		100
City Wide	4041810417	Retaining Wall Rehabilitation Program			880	-	-	-	880			880
City Wide	4041811351	Roads - Alleyway Rehabilitation			100	-	-	100	-			-
City Wide	4041817384	Guide Rail Replacement Program			400	-	-	-	400			400
Rural Rehabilitation Program												
14	4031811015	Brock Rd - Hwy 8 (Bullocks Corners) to Concession 4 W			3,000	-	-	-	3,000			3,000
Street Lights												
City Wide	4041610018	Low-Wattage Street Lighting LED Replacement		1,000	3,000	-	-	-	2,000	1,800		200
City Wide	4041810017	Street Lighting Capital Program			420	-	-	-	420			420
Technical Studies & Reporting												
5	4031718126	Centennial Bridge over the QEW - multi-use path			170	-	-	-	170			170
City Wide	4031818218	OSIM Bridge and Culvert Inspections			300	-	-	-	300			300
City Wide	4031818219	Structural Investigations and Reports			400	-	-	-	400			400
City Wide	4031855556	Mapping Update Program			40	-	-	-	40			40
City Wide	4031855622	Active Transportation Benchmarking			30	-	-	-	30			30
City Wide	4031855744	TMP Modelling & Monitoring			80	-	-	-	80			80
Traffic												
City Wide	4031710715	Railway Crossings - Review and Upgrades			500	-	-	-	500			-
2	4661620630	Two Way Road Conversion			340	-	-	-	340			340
City Wide	4661720721	Pedestrian Crossovers			400	-	400	-	-			-
City Wide	4661720722	Overhead Sign Structure			200	-	-	-	200			200
City Wide	4661820001	ATMS - Advanced Traffic Management System			790	-	-	-	790			790
City Wide	4661820720	Annual Plastic Pavement Marking Rehabilitation			200	-	200	-	-			-
1, 2	4661820810	Queen - Aberdeen to Main Two-Way Conversion			1,100	-	-	1,100	-			-
Traffic - APS												

2018 Tax Supported Capital Budget and Financing Plan
(\$000's)

		Project Specific Revenues							Financing Sources					
		<u>Gross</u>	<u>Other</u>	<u>Net</u>	<u>Dev</u>	<u>Other</u>	<u>Funding</u>	<u>Federal</u>	<u>Other:</u>	<u>From</u>	<u>Debt</u>			
		<u>Costs</u>	<u>External</u>	<u>Costs</u>	<u>Charges</u>	<u>Internal</u>	<u>Required</u>	<u>Gas Tax</u>	<u>Reserves</u>	<u>Operating</u>				
			<u>Revenues</u>			<u>Revenues</u>			<u>Future Fund</u>	<u>Levy</u>				
									<u>Dividends</u>					
City Wide	4661820531	APS - Accessible Pedestrian Signals	150	-	-	150	-	-	-	-	150			
Traffic - IPS														
6, 8	4661820525	IPS - Intersection Pedestrian Signal	600	-	-	600	-	-	-	-	600			
Traffic Signals														
2	4241809201	Area Rating - New Traffic Signal - John @ Forest	200	-	-	200	-	200	-	-	-			
2	4241809202	Area Rating - New Traffic Signal - Main & Ferguson	200	-	-	200	-	200	-	-	-			
7, 11, 15	4661820008	New Traffic Signal Installation Program	600	-	-	600	-	-	-	-	600			
City Wide	4661820010	Traffic Signal Modernization & Upgrades Program	870	-	-	870	-	-	-	-	870			
City Wide	4661820017	Traffic Signal LED Lighting Upgrade Program	150	-	-	150	-	-	-	-	150			
City Wide	4661820522	Traffic Engineering - Signal Design	360	-	-	360	-	-	-	-	360			
City Wide	4661820540	Traffic Signal Modernization Coordinated with	650	-	-	650	-	-	650	585	65			
12	4661820820	New Traffic Signal - Garner & Raymond	250	-	250	-	-	-	-	-	-			
10	4661820821	New Traffic Signal - Drakes @ North Service Rd	80	-	-	80	-	-	-	-	80			
11	4661820822	New Traffic Signal - Fifty @ North Service Rd	80	-	-	80	-	-	-	-	80			
11	4661820823	New Traffic Signal - Fruitland @ North Service Rd	80	-	-	80	-	-	-	-	80			
15	4661820828	New Traffic Signal - Dundas @ Riverwalk	250	-	-	250	237	-	-	-	13			
15	4661820829	New Traffic Signal - Dundas @ Spring Creek	250	-	-	250	237	-	-	-	13			
Traffic Study/Master Plan														
City Wide	4031755820	Transportation Demand Management & Smart Commute	260	100	-	160	-	-	-	-	160			
City Wide	4031815820	Traffic Counts Program	150	-	-	150	-	-	-	-	150			
6, 7, 8	4031855815	South Mountain Arterial Study (SMATS)	80	-	-	80	-	-	-	-	80			
City Wide	4031855940	Transportation Tomorrow Survey	40	-	-	40	-	-	-	-	40			
Transportation Systems														
City Wide	4661817124	On Street Bike Facilities	300	-	-	300	-	-	-	-	300			
City Wide	4661817125	On Street Bike Facilities in Co-ordination with	450	-	-	450	-	-	450	405	45			
Urban Rehabilitation Program														
13	4031811015	Governor's - Creighton to Davidson	2,000	-	-	2,000	-	-	880	1,120	1,008	112		
4, 5, 6, 9	4031811015	RHVP Rehabilitation	6,750	-	-	6,750	-	250	-	6,500	5,850	650		
4	4241809402	Area Rating - Barnaby / Corbett / Quebec / Waterloo	1,360	-	-	1,360	-	1,360	-	-	-			
5	4241809501	Area Rating - Dumbarton - Rosedale to east end	300	-	-	300	-	300	-	-	-			
5	4241809502	Bow Valley Drive - Barton to Vittorito & Honeywell Court	670	-	-	670	-	670	-	-	-			
6	4241809601	Area Rating - Fennell - Upper Sherman to Upper Gage	800	-	-	800	-	800	-	-	-			
6	4241809604	Area Rating - Upper Gage Ave - Seventh to Concession	1,010	-	-	1,010	-	1,010	-	-	-			
7	4241809701	Area Rating - Mall Road - Limeridge Mall private road to	350	-	-	350	-	350	-	-	-			
Sub-Total Roads			82,375	1,100	250	81,025	9,523	9,300	7,000	55,202	29,176	1,500	21,026	3,500
Transit Services														
City Wide	5301784707	Rapid Ready & Ten Year Local Transit Strategy	500	-	-	500	-	-	-	-	500			
City Wide	5301785702	Express Bus (L-A-S-T Lines) Enhanced Passenger	420	-	-	420	-	-	-	-	420			
City Wide	5301885803	Terminal and End of Line Rehabilitation	75	-	-	75	-	-	-	-	75			
City Wide	5301885804	Bus Stop Shelter Rehabilitation	125	-	-	125	-	-	-	-	125			
City Wide	5301883002	Fund Transit Reserve Shortfall- Re Cancellation of	3,700	-	-	3,700	-	-	-	3,700	3,000	700		
City Wide	5301883100	HSR Bus Replacement Program	14,485	-	-	14,485	-	14,485	-	-	-			
City Wide	5301883503	Nonrevenue Vehicle Replace Program	103	-	-	103	-	103	-	-	-			
Sub-Total Transit Services			19,408	0	0	19,408	0	14,588	0	4,820	3,000	0	1,820	0

2018 Tax Supported Capital Budget and Financing Plan
(\$000's)

		Project Specific Revenues							Financing Sources					
		Gross Costs	Other		Net Costs	Dev Charges	Reserves	Other		Funding Required	Federal	Other	From	Debt
			Subsidies	External Revenues				Internal Revenues	Gas Tax		Reserves Future Fund Dividends	Operating Levy		
<u>Waste Management</u>														
City Wide	5121655610	2020 Waste System Planning	175	-	-	175	-	-	-	175	-	-	175	-
City Wide	5121891000	Glanbrook Landfill Capital Improvement Program	330	-	-	330	-	-	-	330	-	-	330	-
City Wide	5121892000	Closed Landfill Maintenance & Capital Improvement	456	-	-	456	-	-	-	456	-	-	456	-
City Wide	5121849800	CCF Air Handling Upgrades	1,700	-	-	1,700	-	-	-	1,700	-	-	-	1,700
City Wide	5121855137	Waste Management R & D Program	230	-	-	230	-	-	-	230	-	-	230	-
City Wide	5121895525	SWMMP Approvals	150	-	-	150	-	-	-	150	-	-	150	-
City Wide	5121893000	Maintenance & Capital Improvements to the Resource	190	-	-	190	-	-	-	190	-	-	190	-
City Wide	5121894000	Transfer Station/CRC Maintenance & Capital	205	-	-	205	-	-	-	205	-	-	205	-
City Wide	5121890200	Diversion Container Replacement Program	870	-	-	870	-	-	-	870	-	-	870	-
City Wide	5121890700	Public Space & Special Event Containers	250	-	-	250	-	-	-	250	-	-	250	-
Sub-Total Waste Management			4,556	0	0	4,556	0	0	0	4,556	0	0	2,856	1,700
<u>West Harbour & Waterfront Strategic Initiatives</u>														
City Wide	4411806105	Police Marine Facility Replacement	300	-	-	300	-	-	-	300	-	-	300	-
2	5121692001	Central Park Remediation	800	-	-	800	-	-	-	800	-	-	800	-
2	4411506106	Marina Services & Gas Dock	345	-	-	345	-	-	-	345	-	-	345	-
2	4411506107	Pier 5-7 Marina Shoreline Rehab	2,105	-	-	2,105	-	-	820	1,285	-	-	1,285	-
2	4411606002	Real Estate Disposition Process	250	-	-	250	-	-	-	250	-	-	250	-
2	4411606102	Pier 5-7 Boardwalk	625	-	-	625	-	-	-	625	-	-	625	-
2	4411606104	Pier 7 Commercial Village	800	-	-	800	-	-	-	800	-	-	800	-
2	4411606105	Pier 8 Shorewall	5,000	-	-	5,000	-	-	-	5,000	-	-	5,000	-
2	4411606106	Pier 8 Promenade	7,150	-	-	7,150	-	-	-	7,150	-	-	1,150	6,000
2	4411606111	Bayfront Park Beach Rehab	300	-	-	300	-	-	-	300	-	-	300	-
2	4411606201	Bar-Tiff Site Remediation	500	-	-	500	-	-	-	500	-	-	500	-
2	4411706101	Pier 6-8 Servicing Construction	4,500	-	-	4,500	-	-	-	4,500	-	-	4,500	-
2	4411706102	Pier 8 Park	1,200	-	-	1,200	-	-	-	1,200	-	-	1,200	-
2	4411706201	Barton-Tiffany Real Estate Solicitation Plan	100	-	-	100	-	-	-	100	-	-	100	-
2	4411806102	Macassa Bay Shoreline Improvements	150	-	-	150	-	-	-	150	-	-	150	-
2	4411806103	Macassa Bay Boardwalk and Trail	150	-	-	150	-	-	-	150	-	-	150	-
2	4411806104	West Harbour Public Art	450	-	-	450	-	-	-	450	-	-	450	-
2	4411806106	James Street CSO Tank overflow pipe	375	-	-	375	-	-	-	375	-	-	375	-
2	4411806202	Central Neighbourhood Reconstruction (Central Park)	690	-	-	690	-	-	690	-	-	-	-	-
Sub-Total West Harbour & Waterfront Strategic Initiatives			25,790	0	0	25,790	0	0	1,510	24,280	0	0	18,280	6,000
Total Public Works Tax			187,381	7,344	5,350	174,687	13,711	36,237	17,126	107,613	32,176	3,750	60,487	11,200
GRAND TOTAL			236,028	7,344	6,600	222,084	19,601	48,342	17,958	136,183	32,176	22,250	67,967	13,790
DC Debt Total			8,054											

**2018 Tax Supported Capital Budget
Discretionary Tax Supported Net Capital Funding
2018 - 2027 Forecast**

Appendix "I" to Item 12 of GIC Report 17-022

Assumptions:

0.5% (\$4.1 M) + Debt Levy Increase for Capital 2018 - 2027
5.0% Cost of Borrowing on External Debt for 15 Year Term

Sources of Funding (Net) (\$000's)	2017 Approved	2018 Proposed	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	Totals 2018-2027
Sustainable												
Contribution from Operating	50,864	67,967	63,094	68,155	71,475	77,178	84,738	89,279	90,163	94,223	98,343	804,614
Hydro Dividends	3,000	5,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	23,500
Hydro Dividends - Poverty reduction		3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000
Future Fund - Poverty Reduction		8,000	4,000	4,000	4,000							20,000
Federal Gas Tax	31,616	32,176	33,122	33,122	33,122	33,122	33,122	33,122	33,122	33,122	33,122	330,274
Previous Yrs. Capital Financing Surplus	2,000	4,000	5,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	25,000
Sub-total	87,480	120,643	110,216	112,277	115,597	117,300	124,860	129,401	130,285	134,345	138,465	1,233,388
Non-Sustainable												
Unallocated Capital Reserve	950	-	-	-	-	-	-	-	-	-	-	-
HRPI Dividend	250	-	-	-	-	-	-	-	-	-	-	-
WIP Funding Interest	500	250	-	-	-	-	-	-	-	-	-	250
Sale of Assets	6,600											
Roads WIP / Tender Surplus Funding	1,590	1,500										1,500
Sub-total	9,890	1,750	-	-	-	-	-	-	-	-	-	1,750
External Debt	63,356	13,790	26,459	27,067	23,137	5,375	9,590	7,130	47,694	26,160	18,950	205,352
Total Funding (Net)	160,726	136,183	136,675	139,344	138,734	122,675	134,450	136,531	177,979	160,505	157,415	1,440,490
Net Capital Funding (\$000's)	2017 Approved	2018 Proposed	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	Totals 2018-2027
Roads / Bridges / Sidewalk / Street												
Lighting / Traffic	55,019	55,202	56,202	58,450	58,450	60,788	63,220	65,748	68,378	71,113	73,958	631,510
Corporate Facilities	4,450	4,507	4,583	4,583	18,635	4,583	4,583	4,583	4,583	4,583	4,583	59,806
Recreation Facilities	8,620	4,624	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	45,844
Entertainment Facilities	800	1,300	800	800	800	800	800	800	800	800	800	8,500
Park Development (New/Expansion)	3,018	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	32,410
Park's Operations	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	11,380
Forestry & Horticulture	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	13,450
Waste Management	7,862	4,556	3,468	13,937	22,298	24,085	2,879	3,694	3,180	100,539	102,115	280,751
Downtowns & Commercial Districts	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	2,210	22,100
Cultural Facilities	1,852	1,702	1,702	1,702	1,702	1,702	1,702	1,702	1,702	1,702	1,702	17,020
Long Term Care Facilities	500	500	500	500	500	500	500	500	500	500	500	5,000
Housing Services	500	11,000	7,500	7,500	7,500	3,500	3,500	3,500	3,500	3,500	3,500	54,500
Block Funding Total	87,314	91,325	87,269	99,986	122,399	108,472	89,698	93,041	95,157	195,251	199,672	1,182,271
Major Capital Initiatives												
West Harbour Development	27,235	24,280	10,160	4,520	11,010	7,470	-	-	-	-	-	57,440
Ash Borer	2,600	2,600	2,600	2,600	2,600	2,600	-	-	-	-	-	13,000
Randle Reef	300	375	375	375	375	375	-	-	-	-	-	1,500
Fire / Paramedic Services	650	580	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,580
Community Services - Other	167	-	90	90	90	90	90	90	90	90	90	810
Public Health	92	-	70	70	70	70	70	70	70	70	70	630
Corporate Services	-	115	90	90	90	90	90	90	90	90	90	925
City Manager/Human Resources	1,040	368	-	-	-	-	-	-	-	-	-	368
Information Technology	500	500	500	500	500	500	500	500	500	500	500	5,000
Planning / Development	1,053	130	130	130	130	130	130	130	130	130	130	1,300
Economic Development Initiatives	-	-	1,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	17,000
Parkland Acquisition	-	-	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	13,500
Transit	33,027	4,820	30,159	30,767	12,785	9,075	13,290	10,830	26,394	29,860	22,650	190,630
DC exemptions	3,000	5,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	59,000
Boards & Agencies												
City/Housing Hamilton	500	500	500	500	500	500	500	500	500	500	500	5,000
Hamilton Conservation Authority	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
Library	1,136	2,260	-	-	-	-	-	-	-	-	-	2,260
Police Services	-	1,330	-	-	-	-	-	-	25,000	-	-	26,330
Subtotal - Boards & Agencies	3,636	6,090	2,500	2,500	2,500	2,500	2,500	2,500	27,500	2,500	2,500	53,590
Unallocated - Surplus(Shortfall)	112	(0)	(6,768)	(12,784)	(24,315)	(18,822)	17,582	18,780	17,548	(78,486)	(78,787)	(166,054)
Total Expenditures (Net)	160,726	136,183	136,675	139,344	138,734	122,675	134,450	136,531	177,979	160,505	157,415	1,440,490

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*2018 Tax Supported Capital Budget
 Operating Budget Impacts & FTE Impacts for Projects
 Included in the 2018 Tax Capital Financing Plan*

Planning & Economic Development

Urban Renewal

8201703706 Community Downtowns and BIAs

Total Planning & Economic Development

Outside Boards & Agencies

Police Services

3761851802 Ice Rescue Equipment

Total Outside Boards & Agencies

Corporate Services

Information Technology (IT)

3501857801 IT Strategy and Enterprise Architecture

Total Corporate Services

City Manager

3381858503 Performance Excellence - Dashboard, Open Data

Infrastructure (Hub and Data Portal)-Cash Flow

3381858502 Enhancing City of Hamilton App for citizen services

2051759701 HR Self Service Enhancements Phase 1 and Phase 2

Total City Manager

Public Works Tax Funded

Corporate Facilities

3541641602 Ancaster Memorial Arts & Culture Centre

3541849003 Backflow Prevention for Various Facilities

Sub-Total Corporate Facilities

Recreation Facilities

7101754701 Glanbrook Arena Elevator

7101758002 Alexander Park Spraypad

7101558501 Parkdale Outdoor Pool Redevelopment

7101841800 Parks North Yard at Bayfront Park

7101854807 Dundas Valley Community Park Improvement & Pavillion

Feasibility

Sub-Total Recreation Facilities

Entertainment Facilities

3721851801 First Ontario Centre Vertical Transportation

Total Entertainment Facilities

Forestry & Horticulture

4451451004 Gage Park Tropical House

4451853444 Tree Planting Program

Sub-Total Forestry & Horticulture

Operating Impact anticipated with 2018 Approval of Capital Project		Anticipated Year Operating Impact will be realized (based on one year following final year of construction, actual timing may vary)					
		2018		2019		2020	
FTE (#)	\$ (000's)	FTE (#)	\$ (000's)	FTE (#)	\$ (000's)	FTE (#)	\$ (000's)
	- 11.00			-	11.00		
	- 11.00						
	- 9.50			-	9.50		
	- 9.50						
	1.00 125.00			1.00	125.00		
	1.00 125.00						
	1.00 125.00			1.00	125.00		
	- 5.00			-	5.00		
	- 12.00			-	12.00		
	1.00 142.00						
	- 157.00			-	157.00		
	- 150.00			-	150.00		
	- 307.00						
	- 45.00			-	45.00		
	- 7.50			-	7.50		
	- 30.00					-	30.00
	- 30.00			-	30.00		
	- 6.00			-	6.00		
	- 118.50						
	- 45.00			-	45.00		
	- 45.00						
	1.67 162.30	0.67	65	1.00	97.30		
	- 67.40			-	67.40		
	1.67 229.70						

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*2018 Tax Supported Capital Budget
 Operating Budget Impacts & FTE Impacts for Projects
 Included in the 2018 Tax Capital Financing Plan*

	Operating Impact anticipated with 2018 Approval of Capital Project		Anticipated Year Operating Impact will be realized (based on one year following final year of construction, actual timing may vary)					
	FTE (#)	\$ (000's)	2018		2019		2020	
			FTE (#)	\$ (000's)	FTE (#)	\$ (000's)	FTE (#)	\$ (000's)
O & M - Parks & Cemeteries								
4401849007 Cemetery Columbarium	-	2.00			-	2.00		
4401849008 Extreme Park Makeover Program	-	2.00			-	2.00		
4401849802 Heritage Green Maintenance Building Site Works	-	15.00			-	15.00		
Sub-Total O & M - Parks & Cemeteries	-	19.00						
Open Space Development								
4241409341 W4 Pipeline Trail	-	13.00			-	13.00		
4401456009 Mount Hope Park Development	.33	46.00					.33	46.00
4401556503 Heritage Green Community Sports Park Implementation	-	15.00			-	15.00		
4401556504 Trails Master Plan Programming	-	12.00			-	12.00		
4401756824 William Connell Community Park	.34	37.00			.34	37.00		
4401856300 Parkside Hills	.33	18.09			.33	18.09		
4401856802 Beach Park Development Program	-	2.00			-	2.00		
4401856803 RHV Trails Master Plan - The Nest	-	10.00			-	10.00		
4401856807 Glanbrook Hills Phase 2	-	1.50			-	1.50		
4401856815 Caterini Park (Binbrook)	-	16.00			-	16.00		
4401856910 John St. N. & Rebecca St. Park - Land Acquisition	-	2.00			-	2.00		
Sub-Total Open Space Development	1.00	172.59						
Roads, Bridges, Sidewalks, Traffic								
4031419101 Rymal W - Garth to West 5th - Rymal W - Garth to West 5th	.30	60.00			.30	60.00		
4031811015 Creighton to Davidson - Governor's - Creighton to Davidson	.10	10.00			.10	10.00		
4031880887 Multi-Area Employment Lands - Street A Extension to Pritchard (new road)	.10	14.00			.10	14.00		
4041610018 Low-Wattage Street Lighting LED Replacement	-	(750.00)			-	(750.00)		
4041757723 HANSEN/INFOR Mobile Application	-	22.00			-	22.00		
4241809201 Area Rating - New Traffic Signal - John @ Forest	.10	18.00			.10	18.00		
4241809202 Area Rating - New Traffic Signal - Main & Ferguson	.10	18.00			.10	18.00		
4241809601 Area Rating - Fennell - Upper Sherman to Upper Gage	-	12.20			-	12.20		
4661720721 Pedestrian Crossovers	-	45.00			-	45.00		
4661817124 On Street Bike Facilities	.50	52.00			.50	52.00		
4661817125 On Street Bike Facilities in Co-ordination with Construction	.50	52.00			.50	52.00		
4661820001 ATMS – Advanced Traffic Management System	2.00	310.00			2.00	310.00		
4661820008 New Traffic Signal Installation Program	.40	93.00			.40	93.00		
4661820525 IPS - Intersection Pedestrian Signal	.40	54.00			.40	54.00		
4661820820 New Traffic Signal - Garner & Raymond	.10	18.00			.10	18.00		
Sub-Total Roads, Bridges, Sidewalks, Traffic	4.60	28.20						
Transit Services								
5301785702 Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities	-	12.00			-	12.00		
Sub-Total Transit Services	-	12.00						
Waste Management								
5121849800 CCF Air Handling Upgrades	-	150.00			-	150.00		
Sub-Total Waste Management	-	150.00						

**2018 Tax Supported Capital Budget
Reserve Funding by Reserve & Project
(\$000's)**

<u>RESERVE FUNDING</u>	<u>2018 Funding</u>
 <u>VEHICLE & EQUIPMENT REPLACEMENT RESERVES</u>	
100031 Fire Equip And Protective Gear	
7401851600 Annual Fire Equipment Replacement	617
100033 Paramedic Services-Equipment Reserves	
7641851101 Annual Paramedic Service Equipment Replacement	1,019
100034 Small Equipment Environmental Services	
4401851700 Small Equipment Replacement (Reserve) Program - O&M	75
108023 Information Technology Capital Reserve	
3501857801 IT Strategy and Enterprise Architecture	340
110005 Hamilton Beach Rescue	
2861851700 HBRU Renovations & Equipment Purchases	42
110021 Vehicle Replacement Fire	
7401851601 Annual Fire Vehicle Replacement	5,025
110022 Vehicle Replacement Paramedics	
7641851100 Annual Paramedic Service Vehicle Replacement	991
110025 Vehicle Replace Central Garage	
4941851004 Street Sweeper Purchase	720
4941851001 Shop Equipment Replacement	162
4941851100 Fleet Vehicle&Equipment Replace Program	6,857
	7,739
110030 Vehicle Replacement Transit	
5301883100 HSR Bus Replacement Program	14,485
5301883503 Nonrevenue Vehicle Replace Program	103
	14,588
110040 Equipment Replace-Operations	
4031851410 Roads - Small Equipment Replacement	50
Total Vehicle & Equipment Reserves	30,486
 <u>CAPITAL RESERVE TAX SUPPORTED</u>	
Capital Reserves	
108020 Unallocated Capital	
7101841213 Flamborough Seniors Recreation Centre Barrier -Free Washroom	220
	220

**2018 Tax Supported Capital Budget
Reserve Funding by Reserve & Project
(\$000's)**

	<u>2018 Funding</u>
<u>CAPITAL RESERVE TAX SUPPORTED continued</u>	
108024 Investing in Ontario Subsidy Reserve	
Corporate KRONOS	96
First Ontario Centre Vertical Transportation	537
	633
 <i>Councillors' Infrastructure Program</i>	
108051 Ward 1-Capital Infrastructure	
3301809100 Ward 1 Capital Reinvestment	100
 108052 Ward 2-Capital Infrastructure	
3301809200 Ward 2 Capital Reinvestment	100
4241709201 Area Rating - Ferguson Ave N - Simcoe to Burlington (W2 A/R)	150
4241809201 Area Rating - New Traffic Signal - John @ Forest	200
4241809202 Area Rating - New Traffic Signal - Main & Ferguson	200
7101854810 Durand Washroom Facility	50
	700
 108053 Ward 3-Capital Infrastructure	
3301809300 Ward 3 Capital Reinvestment	100
 108054 Ward 4-Capital Infrastructure	
3301809400 Ward 4 Capital Reinvestment	100
4241809402 Area Rating - Barnaby / Corbett / Quebec / Waterloo	1,360
4241809401 AM Cunningham Park redevelopment	338
	1,798
 108055 Ward 5-Capital Infrastructure	
3301809500 Ward 5 Capital Reinvestment	100
4241609505 Food Centre Pilot Project - Board of Health 15-007	70
4241809501 Area Rating - Dumbarton - Rosedale to east end	300
4241809502 Bow Valley Drive - Barton to Vittorito & Honeywell Court	670
	1,140
 108056 Ward 6-Capital Infrastructure	
3301809600 Ward 6 Capital Reinvestment	100
4241809601 Area Rating - Fennell - Upper Sherman to Upper Gage	800
4241809604 Area Rating - Upper Gage Ave - Seventh to Concession (W6 A/R)	1,010
	1,910
 108057 Ward 7-Capital Infrastructure	
3301809700 Ward 7 Capital Reinvestment	100
4241809701 Area Rating - Mall Road - Limeridge Mall private road to Mohawk	300
4241809702 Area Rating - Thorner Neighbourhood (North Section)	1,000
4241809703 Area Rating - Viceroy - Callie to north end	200
	1,600
 108058 Ward 8-Capital Infrastructure	
3301809800 Ward 8 Capital Reinvestment	100
4031819101 South Bend & Delmar (Buchanan Neighbourhood)	1,060
	1,160
 <i>Former Municipalities Capital Reserves</i>	
 108030 Capital Projects- Ancaster	
3541641602 Ancaster Memorial Arts & Culture Centre	300
	300
<i>Total Capital Reserves</i>	9,661

**2018 Tax Supported Capital Budget
Reserve Funding by Reserve & Project
(\$000's)**

**2018
Funding**

PROGRAM SPECIFIC RESERVES

COMMUNITY SERVICES

110042	Lodges' Infrastructure Reserve	
	6301741702 Wentworth Lodge - Exterior Walls - Batten Repair	470
	6301841001 ML - Roof Replacement	70
	6301841801 WL - 1989 Wing Roof Replacement	70
	6301851001 ML - Replacement of 3 Chillers	166
	6301851002 ML & WL - Annual Resident Care Equipment Replacement	110
	6301851003 WL - Bed Replacement	34
		920

PLANNING & DEVELOPMENT

Planning/Parking/Real Estate/Other

112221	Economic Development Investment Fund	
	7201858801 City of Hamilton Music Strategy	50
108021	Parking Capital Reserve	
	4901751700 Parking Payment Equipment	400
	4901841800 Fence Replacement - Municipal Carparks	100
	4901841801 Elevator Replacement-York Parkade	400
	4901841802 Summers Lane Reconstruction	500
		1,400

LIBRARY

106007	Library General Development	
	7501741601 Valley Park Library Expansion	210
	7501741610 New Library - Greensville	200
106008	Library Major Capital Projects	
	7501741601 Valley Park Library Expansion	200
	Total Library	610

PUBLIC WORKS

108037	Hamilton Beach Park Reserve	
	3541855701 Confederation Beach Park Facility Assessment	150
	4401856802 Beach Park Development Program	100
		250
112202	Leash Free Park Reserve	
	4401856001 Leashfree Dog Park Program	80
104105	Cemetery Bldg. Fund - Niches	
	4401849007 Cemetery Columbarium	50
108046	RCMP Lease-Capital Replacement	
	3541841910 Stoney Creek City Hall -RCMP Lease Capital Replacement	210

**2018 Tax Supported Capital Budget
Reserve Funding by Reserve & Project
(\$000's)**

**2018
Funding**

PROGRAM SPECIFIC RESERVES continued

PUBLIC WORKS continued

112203	Red Light Camera Project	
4031811015	RHVP Rehabilitation	250
4241809701	Area Rating - Mall Road - Limeridge Mall private road to Mohawk	50
4661720721	Pedestrian Crossovers	400
4661820720	Annual Plastic Pavement Marking Rehabilitation	200
4661820810	Queen - Aberdeen to Main Two-Way Conversion	1,100
		<u>2,000</u>
100025	Hamilton Entertainment Facility Reserve	
3721851801	First Ontario Centre Vertical Transportation	950
	Total Public Works	<u>3,540</u>
	Total Program Specific Reserves	<u>6,520</u>

OBLIGATORY RESERVES

Planning & Development

104050	Bldg. Permit Rev Stabilization	
3521858100	Digitization of Microfiche Records	125

Parkland Dedication

104090	Parkland Dedication Reserve	
4401856910	John St. N. & Rebecca St. Park - Land Acquisition	1,550
	Total Obligatory Reserves	<u>1,675</u>

Total 2018 Capital Funding From Reserves	<u><u>48,342</u></u>
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2018 Tax Supported Capital Budget
WIP Funding (\$000's)

Year	From Project	To Project	(\$000's)	WIP Debt	
Corporate Services					
2014	7901448401	Combined Heat Power Macassa	2051857111	Corporate KRONOS	36
2001	2110155011	HR Transition Projects	3381858502	Enhancing City of Hamilton App for citizen services	40
2001	2110155011	HR Transition Projects	3381858503	Performance Excellence - Dashboard, Open Data Infrastructure	145
2001	2050101100	Corp Serv Capital Interest	3381858503	Performance Excellence - Dashboard, Open Data Infrastructure	7
2015	8201555100	Open for Business - City	3381858503	Performance Excellence - Dashboard, Open Data Infrastructure	16
2014	7901448401	Combined Heat Power Macassa	3381858503	Performance Excellence - Dashboard, Open Data Infrastructure	74
					<u>318</u>
Community and Emergency Services					
2015	4031517522	Shaver Road Yard Drainage Rehabilitation	6731641601	Hamilton's Community Bed Bug Strategy	9
2014	4041457411	Video Detection & It System	6731641601	Hamilton's Community Bed Bug Strategy	103
2015	4041520525	IPS - Intersection Ped	6731641601	Hamilton's Community Bed Bug Strategy	104
2015	4041520540	Traffic Signal Mod with Roads	6731641601	Hamilton's Community Bed Bug Strategy	104
					<u>320</u>
Corporate Facilities					
2014	3541455001	Yard Capital Renewal Program	3541841801	Rymal Yard Building Envelope Repairs	98
2016	3541655001	Yard Capital Renewal Program	3541841801	Rymal Yard Building Envelope Repairs	52
					<u>150</u>
Entertainment Facilities					
2015	4411506103	Pier 8 pumping Station- DEBT	3721851803	Hamilton Convention Centre Exterior Restoration	2,000
2014	7901448401	Combined Heat Power Macassa	3721851801	First Ontario Centre Vertical Transportation	250
2015	4411506103	Pier 8 pumping Station- DEBT	3721851801	First Ontario Centre Vertical Transportation	200
2003	5120392305	Erosion Leachate - Renne Brampton- DEBT	3721851801	First Ontario Centre Vertical Transportation	913
2014	7101454704	HPRC Independence from School	3721851801	First Ontario Centre Vertical Transportation	250
2016	4031611223	Semi Barrier Rehabilitation Program - 2016	3721851801	First Ontario Centre Vertical Transportation	25
2017	5121790100	CCF Rolling Stock Replacement	3721851801	First Ontario Centre Vertical Transportation	80
2015	4041515019	Traffic Controller Replacement	3721851801	First Ontario Centre Vertical Transportation	75
2016	4031610012	Railway Roadway Crossings Rehab Program - 2016	3721851801	First Ontario Centre Vertical Transportation	100
2017	5121793000	Resource Recovery Centre	3721851801	First Ontario Centre Vertical Transportation	50
2017	5121792000	Closed Landfill Maint&Cap Imp	3721851801	First Ontario Centre Vertical Transportation	70
					<u>4,013</u>
Roads					
2013	4031319101	Road Reconstruction	4031619101	Mohawk - Upper Ottawa to Upper Kenilworth	220
2016	4031611610	CP Minor Maintenance Ward 10	4031811015	Barton - Gray to Green	460
2013	4031314405	Contam Soil and Rock Removal	4031880852	Southridge Court cul-de-sac (Chedoke Hospital Lands)	90
2015	4041511351	Roads - Alleyway Rehab	4041811351	Roads - Alleyway Rehabilitation	100
2015	4041515019	Annual Traffic Control Rep 15	4661820019	Traffic Controller Replacement Program	400
2017	4031711777	Preventative Maintenance Program	4031817677	Preventative Maintenance Program	1,350
					<u>2,620</u>
Open Space Development					
2012	4401256892	Crown Point East Park Development	4241409341	W4 Pipeline Trail	100
2012	4401256201	Fairgrounds Community Park	4401456009	Mount Hope Park Development	93
2010	4241003015	John Rebecca Land Purchase	4401856615	John St. N. & Rebecca St. Park - Master Plan	360
2013	4401356107	Cherry Beach Lakefront Park & Acquisition	4411806201	Central Park Redevelopment	500
2011	4401156916	Freelton Park Development	4411806201	Central Park Redevelopment	111
					<u>1,164</u>
West Harbour & Waterfront Strategic Initiatives					
2012	5181206222	Floating Breakwater project - DEBT Transfer	4411506107	Pier 5-7 Marina Shoreline Rehab	820
2016	5141661300	Central Park (Water)	4411806202	Central Neighbourhood Reconstruction (Central Park)	190
2017	5141771301	Sheaffe/Cannon/Caroline/Railway/Mill/Harriet (Central Park)	4411806202	Central Neighbourhood Reconstruction (Central Park)	100
2017	5161772720	Central Park (Wastewater)	4411806202	Central Neighbourhood Reconstruction (Central Park)	120
2016	5181672290	Central Park (Storm)	4411806202	Central Neighbourhood Reconstruction (Central Park)	280
					<u>1,510</u>
Long Term Care Homes					
2016	6301651603	Macassa and Wentworth Lodge - Lighting	6301851003	WL - Bed Replacement	186
Recreation Facilities					
2017	7101754105	Parks & Fieldhouse retrofits	7101758002	Alexander Park Spraypad	70
2017	3541741532	Program - Facility Capital Maintenance	7101758002	Alexander Park Spraypad	80
2013	4401356800	Bayfront Park Work Yard	7101841800	Parks North Yard at Bayfront Park	1,514
2015	4411506103	Pier 8 pumping Station- DEBT	7101841800	Parks North Yard at Bayfront Park	801
2014	7101454704	Hill Park Recreation Centre	7101854811	Hill Park Recreation Centre - Renovation	427
					<u>2,892</u>
					<u>13,173</u>
Total 2018 Requested WIP Funding					
* Total WIP debt \$4,734					

Roads Tender Surplus (Part of Sources of Funding In Appendix "B" to Report FCS17099)

2015	4041511351	Roads - Alleyway Rehabilitation	4031611601	Council Priority - Ward 1 Minor Rehabilitation	100
2015	4041511351	Roads - Alleyway Rehabilitation	4031611602	Council Priority - Ward 2 Minor Rehabilitation	100
2015	4041511351	Roads - Alleyway Rehabilitation	4031611603	Council Priority - Ward 3 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611604	Council Priority - Ward 4 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611605	Council Priority - Ward 5 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611606	Council Priority - Ward 6 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611607	Council Priority - Ward 7 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611608	Council Priority - Ward 8 Minor Rehabilitation	100
2015	4041510017	Street Lighting Capital Program	4031611609	Council Priority - Ward 9 Minor Rehabilitation	100
2014	4041420017	Traffic Signal LED Upgrades	4031611610	Council Priority - Ward 10 Minor Rehabilitation	100
2017	4031707750	Industrial Zone Air Quality Initiative	4031611611	Council Priority - Ward 11 Minor Rehabilitation	100
2017	4031707750	Industrial Zone Air Quality Initiative	4031611612	Council Priority - Ward 12 Minor Rehabilitation	100
2017	4031707750	Industrial Zone Air Quality Initiative	4031611613	Council Priority - Ward 13 Minor Rehabilitation	100
2017	4031707750	Industrial Zone Air Quality Initiative	4031611614	Council Priority - Ward 14 Minor Rehabilitation	100
2017	4031707750	Industrial Zone Air Quality Initiative	4031611615	Council Priority - Ward 15 Minor Rehabilitation	100
					<u>1,500</u>

**2018 Rate Supported Budget
Debt Requirements**

<u>2018 Rate Supported Debt</u>		
5141760754	Kenilworth Transmission Watermain Renewal	2,000
5141571301	Rymal W - Garth to West 5th	1,755
5141871301	Columbia / Hudson / Leadale / Marcus / Stacey / Verona	1,160
5141871301	Mohawk - Upper Ottawa to Upper Kenilworth	1,305
5141166110	Water Treatment Plant - Process Upgrades (CASH FLOWED)	5,740
5141666608	Lynden Additional Water Supply	1,200
5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	1,635
5141860072	Watermain Structural Lining - Site 1 (Sunning Hill)	1,820
		<u>16,615</u>

<u>2018 DC Rate Supported Debt</u>		
5141667423	Freelton Well (FDF01) Capacity Increase	1,022
5141395354	PD18 (Ancaster) Elevated Reservoir (W-14) (CASH FLOWED)	30
5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	550
5141596152	PD11 (Governor's Road) Watermain Extension (W-05)	580
5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	5,512
5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 (CASH FLOWED)	330
5141380370	Upper Mount Albion - Highland to approximately 410m S	400
5181380390	Highland - Upper Mount Albion to Easement	450
5181880090	Storm Water Management Program	4,000
5181880870	Lewis Rd Culvert - approximately 200m n/o Barton	460
5181880871	Borer's Creek Channel and Culvert (Parkside Hills Ph 2)	1,160
5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	5,328
5160966910	Woodward WWTP - Biosolids Management Facility	990
5161595858	Binbrook PS Upgrade (WW-20)	3,640
5161796786	First Street (Waterdown Sanitary) PS Upgrade DC014	585
5161180184	Highland Rd - Winterberry to Upper Mount Albion	90
5161880184	Upper Mount Albion - Highland to Rymal	395
		<u>25,522</u>

Total Rate and DC Supported Debt	<u><u>42,137</u></u>
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