



2019 Tax Supported Preliminary Capital Budget



Book 1 2019 Capital Budget Summary Reports FCS18097



Hamilton

**CITY OF HAMILTON
2019-2028 TAX CAPITAL BUDGET**

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APPENDIX “1”

2019-2028 TAX SUPPORTED

CAPITAL BUDGET

REPORT

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1.0 EXECUTIVE SUMMARY

The City of Hamilton’s 2019 Tax Supported Capital Budget and 10-year Tax Supported Capital Program supports the City’s Strategic Plan and Financing Strategy. The proposed 2019 Tax-Supported Capital Projects/Priorities align with the following City objectives:

- Rehabilitation of existing assets
- Provide additional Levy Funding to support the Senior Levels of Government’s Funding Programs for Transit and Affordable Housing
- Targeted funding for growth to maximize assessment

Report FCS18097 and supporting detail (Books 1 and 2) focus on the City’s 2019 Capital Budget and the corresponding 4-year term of Council (2019 – 2022). The 4-year Capital Priorities align with Council’s Strategic Directions regarding Built Environment and Infrastructure, Economic Prosperity and Growth, Healthy and Safe Communities and Our People and Performance.

The Table below highlights the 2019 Tax Supported Capital Program supporting the City’s Strategic Plan.

Highlights	
Expenditures	<ul style="list-style-type: none"> • \$226M in gross capital spending including: <ul style="list-style-type: none"> • \$75.3M Roads, Bridges, Traffic, Sidewalks • \$24.3M Transit Initiatives • \$21.4M Roads Growth • \$15.9M Corporate and Recreation Facilities Rehabilitation and Upgrade • \$10.7M Fire and Paramedic Services • \$10.1M Central Fleet Vehicle and Equipment Replacement • \$8.3M Open Space Development • \$8.2M West Harbour Strategic Initiatives • \$7.5M Affordable Housing Initiatives • \$4.5M Forestry and Horticulture • \$3.7M Waste Management • \$2.8M Entertainment Facility Rehabilitation
Revenues	<ul style="list-style-type: none"> • \$80.2M Reserves and other internal funding • \$70.3M Transfer from Operating (Contribution) • \$32.6M Federal Gas Tax • \$32.4M Development Charges • \$6.1M Grants and Subsidies • \$3.0M External Debt • \$1.4M Other External Revenue

Over the years staff have increasingly focused the discretionary funding envelope towards the rehabilitation of the City’s existing asset base. The 2019 Tax Supported Capital Budget has allocated approximately 78% (\$175,458M) of funding towards the rehabilitation of existing assets, down from 88% in 2018. The new asset amounts were calculated using the DC funding from the financing plan and the budgeted DC exemption amount, then adding 30% to those totals for the DC amount not covered through the DC Act’s funding constraints. The 2019 Capital Plan’s state of good repair funding amount is critically short of an effective asset rehabilitation plan.

Table 1
State of Good Repair Capital Funding

(\$000s)	2017		2018		2019	
	Gross	Spending %	Gross Restated	Spending %	Gross	Spending %
STATE OF GOOD REPAIR	249,050	86%	225,943	88%	175,458	78%
New Assets (DC Amount + 30%)	40,354	14%	31,981	12%	50,577	22%
TOTAL CAPITAL PROJECTS	289,404	100%	257,924	100%	226,035	100%

Provincial Asset management regulations under Bill 6, *Infrastructure for Jobs and Prosperity Act, 2015*, were adopted in January 2018. The General Issues Committee, at its meeting on October 20, 2017, received a staff presentation on these regulations. Important due dates for this initiative are as follows, by July 1, 2019 a City Policy is required. By July 2021, asset plans for the City’s core assets (hard services such as roads, water and wastewater assets) are required. Asset Management Planning will require Council to consider approved asset rehabilitation funding levels and the resulting impact on the existing asset base.

2019 Tax Supported Capital Budget Funding Option – Additional 0.52% Property Tax Increase

- 0.5% Property Tax Increase to address existing Infrastructure deficiencies.
- 0.02% Property Tax Increase to fund City share of Transit expansion.

The 2019 City of Hamilton Tax Supported Capital Budget presented within this report incorporates a 0.52% Property Tax increase which equates to \$4.357M increase for the Capital Levy (\$18 annual property tax increase per average value residential property).

1. A 0.5 % Property Tax Increase (\$4.2M or \$17.35 annual property tax increase) dedicated to the Capital Levy to fund critical infrastructure repair per the City’s 10-year Capital Financing Strategy.
2. An additional 0.02% Property Tax Increase (\$157,000 or \$0.65 annual property tax increase) to fund the debt charges associated with the City’s share of Capital Levy Funding required for Public Transit Infrastructure Fund Capital Investments. The total cost of the Public Transit Capital submissions in 2017 was \$72,978,408 with the City’s share amounting to \$36,489,204 (net discretionary impact of \$29.3M). In the 2018 Capital Budget,

Council funded the majority of the PTIF phase 1 own share funding through a 0.4% tax levy increase to cover the forecasted 10-year debt charges.

Four year Capital Financing Strategy

The following Table is a 4-year snapshot of the City Capital Funding Plan. This Plan consists of a 0.5% total levy annual increase dedicated towards the rehab of existing assets and debt funding of two City priority capital projects. Debt funding these two major projects ensures funding capacity for the rehabilitation of existing assets.

Table 2

Tax Supported 4-Year Capital Financing Plan	2019	2020	2021	2022
Capital Levy Increase dedicated to rehab of existing Assets	0.50%	0.50%	0.50%	0.50%
Capital Levy Increase for Transit MSF (City Share - debt)	0.02%	0.27%	0.47%	0.47%
Capital Levy Increase for West Harbour MP increase (debt)	0.00%	0.13%	0.04%	0.00%
Total Levy Impact	0.52%	0.90%	1.01%	0.97%

The City's Capital Budget is an important tool in achieving Council's Strategic Plan Priorities and is integral to the City's long-term sustainability. It's an essential component of municipal financial planning. The key objective is to develop a capital investment plan that strikes a strategic balance among the following needs:

- maintaining our existing infrastructure and facilities in an appropriate state of repair;
- advancing Council and community priorities within the City's long-term financial capacity;
- maximizing the City's growth potential by investing in infrastructure and facilities which will ensure the City's financial stability as well as meeting its social responsibilities.

Hamilton's resurgence as one of Canada's economic drivers is well documented. In keeping pace with this revival, the City in the last few years has approved in part or in total several significant Strategic Capital Investments which include the following:

1. Pan Am Stadium (Tim Horton's Field) – City Share (\$52M)
2. Stadium Precinct Infrastructure (\$45M)
3. 10-year Transit Strategy – Gross Cost (\$580.6M)
4. POA Office (\$36M)
5. Police Investigative Services Division/ Forensic Facility (\$24M)
6. West Harbour Development (\$163M)
7. Parkland Purchases and Development

Previous City Capital Reports have highlighted the fact that the City's \$3.7 billion accumulated infrastructure deficit backlog (\$195M annually) cannot be repaired relying solely on the City's 10-year Capital Levy Funding Strategy. This Strategy includes increasing the Capital Levy annually by 0.5% and debt funding significant priority capital projects so that these projects do not crowd out the capacity to fund the City's existing asset rehabilitation program. Funding

partnerships with senior levels of government will be required to assist in tackling the infrastructure deficit.

The City's Capital Levy needs to increase in proportion to the increase in debt so that fiscal flexibility is available to deal with future Capital Initiatives. Credit Rating Agency, S&P Global Ratings, upgraded Hamilton's Fiscal performance to AA+ (stable outlook), in part due to strong financial management, exceptional liquidity and very low debt burden. In order to maintain this debt rating and lower debt servicing fees, the City needs to allocate sufficient Tax Levy dollars towards the Capital Budget. This is why staff are recommending additional Levy dollars for the 2019 Tax Supported Capital Budget. Significant amounts of debt issuance in a number of consecutive years would severely constrain a municipality's capital flexibility. The City of Hamilton in its 10-year Capital forecast has a number of significant Capital investments which will require debt financing. If the annual Capital Levy increase does not reflect this growing funding requirement then the amount of discretionary Capital funding available to address the existing infrastructure deficit will decrease.

The rising costs of rehabilitation of existing assets coupled with chronic underfunding, affects all municipalities in Canada. Investing effectively in Hamilton's priority growth areas and directing limited resources towards asset rehabilitation is the goal of the City's Capital Program.

The City of Hamilton's 10-year Tax Supported Capital Program (2019 -2028) focuses on the following strategic objectives;

1. Targeting capital investments in rehabilitation programs including roads, transit, social housing, corporate and recreation facilities and long-term care assets.
2. Investment in strategic growth capital projects such as the West Harbour and Waterfront Strategic Initiatives, Downtown Revitalization, and Transportation Corridors.
3. Continuing Council's long-term Capital Funding Plan which dedicates Property Tax increases exclusively for the Capital Levy at an annual rate of 0.52% of the total Property Tax Levy (\$4.357M for 2019) or \$18 per typical household.
4. Amending the long-term Capital Funding Plan to account for additional Capital Investments required for Infrastructure Funding programs from the senior levels of government. Staff recommends an additional 0.02% total levy increase for the Capital Levy. The additional 0.02% supports the debt financing of the municipal contribution required for the City's share of the Federal (PTIF) Program.
5. Keeping the total debt burden for the City of Hamilton at levels which will not impact the City of Hamilton in terms of a negative fiscal downgrade by credit rating agencies thereby increasing borrowing costs.
6. Maximizing the effectiveness and efficiency of the Capital program through the following measures:
 - In 2015, Council approved changes to the City's Capital Project Monitoring Policy. Previously staff reported on the status of the Capital Work-in-Progress projects to their respective Standing Committees. The amended Policy has staff submit the status of the

Capital Work-in-Progress projects to the Capital Projects Works-in-Progress Sub-Committee. This Committee's goal is to improve the efficiency of the Capital Program by freeing up previously budgeted funding from capital projects either delayed or no longer required.

- Council approved re-appropriations.
- 3-year Capital Closing Project Policies.

Tax Supported Capital Program (2019 – 2028) Objectives

1. Targeting capital investments in rehabilitation programs including roads, transit, social housing, corporate and recreation facilities, long-term care assets and cultural assets.

The amount of capital funds available for rehabilitation is far below what is needed to keep the City's assets in a sustainable condition. The annual infrastructure deficit for the City is approximately \$195M with a cumulative infrastructure deficit approaching \$3.7B. Variables influencing this issue include,

- City's reduced industrial/commercial assessment base which has eroded the City's property tax revenue growth.
- Targeted Property Tax Savings from amalgamation. In achieving a targeted \$25M in savings, capital funding imbedded in operating budgets (reserve provisions) were eliminated/reduced. As a result, the City's Capital Levy in 2018 as a percentage of the total Levy (13.1%) is below comparator municipalities (15% - 20%).
- Reduced road and facilities infrastructure subsidies from senior levels of government.
- Downloading operating costs leaving the City little flexibility in terms of property tax increases exclusively for Capital.

2. Investment in strategic growth capital projects such as the West Harbour and Waterfront Strategic Initiatives, Transit, Downtown Revitalization, Parkland acquisition and Transportation Corridors.

By directing the bulk of available resources towards asset rehabilitation, the City must strategically allocate the balance of funding, including debt capacity, towards those growth projects which leverage assessment growth and other City-building qualities.

3. A 2019 Capital Levy Increase to accommodate the additional Transit Capital required due to the Federal Governments Transit Infrastructure Cost-Sharing Subsidy Program. The 2019 Property Tax increase to the Capital Levy is 0.52% (2019 = \$4.357 M) or \$18 per typical household.

In 2018, the City of Hamilton levied \$858M in property taxes. Included in this amount was \$112.094M for Capital (known as the Capital Levy). Staff are recommending to Council a

0.52% of the tax increase for 2019 be dedicated to the Capital Levy. This would increase the Capital Levy by \$4.357M to \$116.451M.

4. Keeping the total debt burden for the City of Hamilton at levels which will not impact the City of Hamilton in terms of a negative fiscal downgrade by credit rating agencies thereby increasing borrowing costs.

In the proposed 2019-2028 10-year financing plan, tax supported budgeted external debt levels peak in 2022 at \$509M (up from the \$471M in 2021 forecasted in the 2018 budget). Total City debt after adding in Rate Supported debt peaks at \$1.33B in 2028. This number is inclusive of Development Charge supported debt. This is the debt level which most concerns credit rating agencies. Staff will monitor the City's external debt within financial policy goals.

The proposed 2019 Tax Supported Capital Budget funds \$226M in Capital Projects. Included in this amount are several new initiatives which are aligned to Council's Strategic Priorities.

With the current economic climate and fiscal pressures which challenge the Province's ability to support infrastructure investment, the Province has made clear that future funding commitments to municipalities will be based on focused investments which address needs rather than wants.

The Province of Ontario passed Bill 6, Infrastructure for Jobs and Prosperity Act on June 4, 2015. The purpose of the Act is to aid municipalities in identifying and prioritizing infrastructure investment. To that end, the Ministry of Infrastructure has developed the *Municipal Infrastructure Strategy*, which intends to aid municipalities in strengthening asset management practices across the Province. Within the Strategy is a requirement that municipalities seeking provincial capital funding will now be required to submit a detailed Asset Management Plan (AMP) for future consideration. Important due dates for this initiative are as follows, by July 1, 2019 a City Policy is required. By July 2021, asset plans for the City's core assets (hard services such as roads, water and wastewater assets) are required. Asset Management Planning will require Council to consider approved asset rehabilitation funding levels and the resulting impact on the existing asset base.

The City cannot solve its infrastructure funding gap from own source revenue. It will have to rely on significant stable funding from the senior levels of government. The City has and is forecasted to continue to make a concerted effort to increase funding for infrastructure rehabilitation through Capital Levy increases. Staff have presented a Tax Supported 2019 – 2028 Capital Forecast which incorporates the following plan

1. An annual 0.5% property tax increase to support regular capital programming (rehabilitation of existing assets).
2. An additional property tax increase to cover the debt charges associated with the City's share of the PTIF Program. This would include incremental increases of 0.02% in 2019, 0.27% in 2020, 0.47% in 2021 and 0.47% in 2022. The forecast levy amounts in 2020 – 2022 assume funding from senior levels of government of 73% of the eligible costs for PTIF2 projects with the net cost to the City funded from debt of \$81.3M (2020 – 2022). There may be a risk that the assumed subsidy comes in at a reduced amount. Any

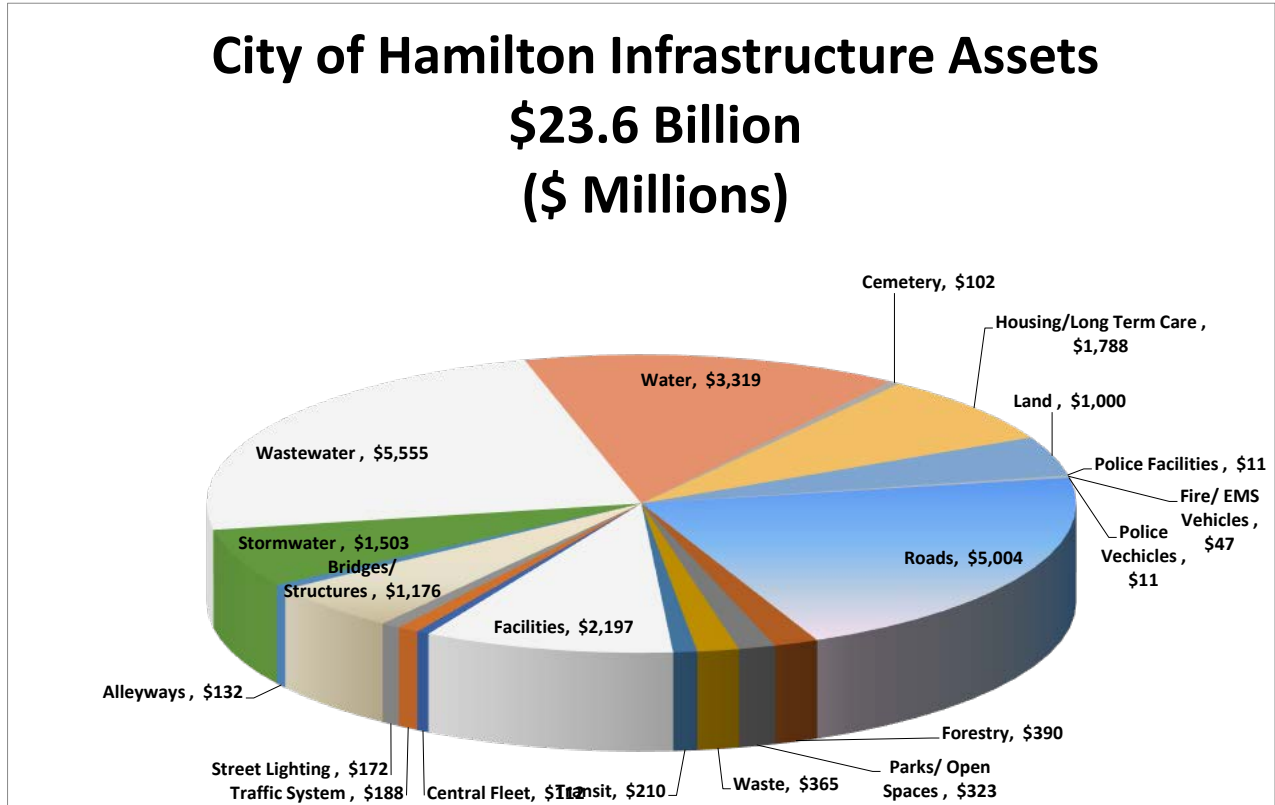
reduction in the subsidy rate would increase the amount the City would have to fund from debt. Every \$10M in reduced subsidy would require an annual increase of \$1.3M for 10 years in City debt charges or approximately a 0.15% Capital Levy increase.

3. An additional property tax increase to cover the debt charges associated with the completion of the West Harbour Development Plan (increased investment from the development ready plan). This would include incremental increases of 0.13% in 2020, 0.04% in 2021, 0.06% in 2023 and 0.25% in 2025.

Over a 4-year period, this plan would add \$44M more in regular capital funding in addition to funding \$67.5M in new Transit Capital (City Share) and \$38M in additional West Harbour costs. More Federal/Provincial infrastructure funding as well as increasing own source revenue is necessary to improve the state of the City's existing infrastructure. Otherwise the City's Capital Program over the next 10 years will increasingly consist of emergency repairs to its existing infrastructure. Without this commitment from all three levels of government, the City's existing asset base will continue to deteriorate, and new capital investment will only be affordable through increased debt which in turn will leave even less for existing capital repair and maintenance as debt principal and interest payments crowd out capital funding capacity.

Tax Supported Capital Budget Background

The City of Hamilton owns hard assets with a total replacement value of approximately \$23.6B. Forty-four percent (44%) of the value of these assets represents water, wastewater and stormwater, which is principally funded from the Rate Supported Budget. The other fifty-six percent (56%) are tax supported infrastructure such as roads, recreation facilities, emergency vehicles and buildings, etc. The repair and replacement costs of the latter assets are funded from the Tax Supported Capital Budget. A detailed breakdown of the City's \$23.6B infrastructure assets is presented in the following chart.



During the past 5 years the City of Hamilton has accomplished the following Tax Supported Capital Budget objectives:

1. Identified in all program areas the depth of the infrastructure deficit and required funding to achieve existing infrastructure sustainability.
2. Created a much more comprehensive process to determine program area priorities. The process includes consultation through one on one staff and ward councillor information sessions, as well as capital prioritization workshops through General Issues Committee.
3. Aligned the City's Capital Budgets with its Strategic Plan and Business Plans. This includes a multi-year Capital Budgeting Model which is an essential tool for the City's long-term financial sustainability. The City has been able to meet its Capital obligations through prudent debt financing strategies in addition to an upgrading of its credit rating to AA+ (stable outlook) from AA (positive outlook) in June 2017. The upgraded rating was reaffirmed for 2018.
4. The City has struck a premium balance between funding valued and sustainable services and supporting growth infrastructure to grow a prosperous and healthy community. One important tool for achieving this is the Development Staging program which directs the City's funding for growth to areas which will maximize future City revenues.

The four above-mentioned objectives form the core of the City of Hamilton's 2019 Tax Supported Capital Budget and 2020 - 2028 Capital Forecast. The 2019 Tax Supported Capital

Budget represents an effort to address investments necessary to support our existing infrastructure, as well as the need to support municipal investment readiness and economic development and capacity, while maintaining tax competitiveness.

Works-In-Progress (WIP) Funding Review:

The City has over the years progressively managed the number of previously approved but not yet completed Capital projects (Works In Progress – WIP). Over the last 3 years, the WIP completion rate for the Tax Supported WIP’s has stabilized around 78%. For the 2019 Tax Supported Capital Budget, staff reviewed all WIPs and re-allocated \$16.2M for strategic priorities as illustrated in Table 3.

Table 3

2019 Reallocation of WIP Funding By Program (\$000`s)	
Corporate Facilities	\$ 500
Entertainment Facilities	1,423
Healthy and Safe Communities- Other Divisions	235
Licensing & By-Law Services	100
Open Space Development	251
Recreation Facilities	500
Roads	<u>13,222</u>
<i>Total 2019 Requested WIP Funding</i>	<u>\$ 16,231</u>

2.0 2019 TAX SUPPORTED CAPITAL BUDGET STRATEGIC INVESTMENTS

A. Roads/Bridge/Traffic Infrastructure Rehabilitation Program:

One of the most significant infrastructure deficits for the City resides in the roads/bridges/traffic program. The road network value is approximately \$5.0B with a rehabilitation and replacement backlog of approximately \$1.65B. Annually, the City should be investing approximately \$150M on roads, bridges and traffic capital improvements. In 2019, the City is spending approximately \$75.8M gross on the roads rehabilitation capital program (\$96.7M less \$20.9M growth) while the levy impact on this program is \$56.2M as illustrated in Table 4.

Table 4

Investment in Roads/Traffic/Bridges \$(000's)	2018		2019	
	Gross	Net	Gross	Net
Roads	61,240	49,080	47,397	32,424
Bridges and Structures	5,840	5,840	8,910	8,910
O & M/Studies/Traffic Engineering	20,845	15,145	19,465	12,655
Total Non Growth	87,925	70,065	75,772	53,989
Development/Growth Related Program	14,150	4,537	20,920	2,226
Total Roads	102,075	74,602	96,692	56,215

Table 4 shows the impact of the additional \$19.4M which Council approved for the road rehabilitation program during the 2018 Capital Budget process. Without this additional funding, the amount expended in 2018 would have been less than the amount allocated for road rehab in 2019.

Table 5

Investment in Roads/ Traffic/Bridges \$(000's)	2018		2019		2020		2021		2022	
	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	
Roads	49,080	47,397	32,424	41,260	31,320	40,544	32,268	49,581	41,941	
Bridges and Structures	5,840	8,910	8,910	8,030	8,030	11,170	11,170	8,670	8,670	
O & M/Studies/Traffic Engineering	15,145	19,465	12,655	14,100	13,620	17,140	16,660	12,370	12,190	
Total Non Growth	70,065	75,772	53,989	63,390	52,970	68,854	60,098	70,621	62,801	
Development/Growth Related	4,537	20,920	2,226	45,880	5,494	15,340	785	4,120	518	
Total Roads	74,602	96,692	56,215	109,270	58,464	84,194	60,883	74,741	63,319	

Table 5 shows the 4-year Capital forecast for the Roads/Bridges/Traffic Infrastructure Rehabilitation Program. The net levy impact for the four components fluctuates based on where the rehabilitation priority is the greatest.

Table 6

Detailed Investment in Roads/ Traffic/Bridges \$(000's)	2019		2020		2021		2022	
	GROSS	NET	GROSS	NET	GROSS	NET	GROSS	NET
Growth Related	20,920	2,226	45,880	5,494	15,340	785	4,120	518
Replacement Program (Reconstruction)	15,810	10,224	10,110	3,890	11,784	5,688	9,331	4,231
Urban Rehabilitation (Resurfacing)	12,620	8,340	19,710	16,690	15,350	15,100	19,260	18,810
Local Road Program (Resurfacing)	13,767	8,660	6,140	5,440	8,310	6,380	9,660	7,570
Rural Rehabilitation / State of Good Repair	2,200	2,200	2,300	2,300	2,100	2,100	8,330	8,330
Bridges and Structures	8,910	8,910	8,030	8,030	11,170	11,170	8,670	8,670
Operations and Maintenance	4,800	4,750	4,800	4,750	8,450	8,400	4,950	4,900
Technical Studies and Reporting	2,970	2,790	2,050	1,920	1,740	1,610	1,570	1,440
Traffic Operations and Engineering	10,545	4,465	6,900	6,600	6,600	6,300	5,500	5,500
Streetlighting	1,150	650	350	350	350	350	350	350
Council Priority Projects	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
TOTALS	96,692	56,215	109,270	58,464	84,194	60,883	74,741	63,319

Table 6 provides increased detail regarding where Roads/Traffic/Bridges dollars are forecast to be expended. The Replacement Program represents complete reconstruction of the roadway while the Urban and Local Road Programs are generally resurfacing only.

B. West-Harbour Waterfront Strategic Initiatives:

On May 12, 2010, City Council approved COW Report 10-014, referencing the West Harbour Recreation Waterfront Master Plan (WHRWMP)", which identified public investments in parks, open-spaces, and programming amenities within the West Harbour waterfront area to transform the area into an active and vibrant waterfront.

Council approved the first phase of the West Harbour Re-Development Plan in 2012, with an emphasis on converting the former industrial shipping lands of Piers 5-8, into a destination of parks, marine recreation facilities, and public-spaces integrated along-side new private-sector residential and commercial developments. The West Harbour Re-Development Plan was identified as a key element of the "*Economic Prosperity and Growth*" priority in the 2015-2025 Strategic Plan.

For the 2018 Capital Budget Process, Council directed staff to build into the City's financing plan only those West Harbour Capital Projects which would bring the project to a "Development Ready Status". This meant that only \$125M (refer Table 5) of the \$163M total West Harbour implementation plan was incorporated into the 2018 – 2027 City of Hamilton's Financing Plan.

Of the \$83.2M West Harbour Capital Projects approved for the end of 2018, \$38M was funded from debt. Section 413 of the Municipal Act suggests that the "matching principle" applies regarding the use of any sales proceeds. Therefore any sales proceeds from the Pier 8 development would first be applied against any debenture issues for Pier 8 Development works which were Levy/Rate financed.

On June 13, 2018, City Council approved the Waterfront Shores Corporation ("WSC") as the Preferred Proponent to develop the Pier 8 lands (Report GIC 18-013 and PED14002(h)). It is estimated that the proposed development will include 119,850 m² of residential development representing approximately 1,227 market condominium units, 65 affordable units, and 1,376 parking stalls, as well as an additional 6,440m² of commercial and 2,477 m² of institutional development space.

Financially, as the owner of the Pier 8 lands, the City will realize the proceeds generated from the land sale transaction. WSC's financial bid was structured to feature a series of payments that included a guaranteed amount paid upon execution of the initial contract, additional guaranteed minimum purchase amounts paid on the closing dates for each development Block, and additional amounts based on the increase in the value of the land and improvements as the project proceeds. Committed payments total approximately \$41M, plus additional payments over the course of the development.

In return, the City is obliged to provide, among other things, serviced lands with approved zoning. Once the development begins, the City will also realize annual property tax revenue estimated at approximately \$8M - \$9M per year at full build-out, equating to \$44M - \$46M in projected municipal tax revenue between the years 2020-2030.

From 2012 to 2018, Council approved approximately \$83.2 M in capital funding toward the West Harbour Re-Development Plan, with \$8.2M from the tax supported Capital Levy (\$9M from the rate levy) approved in principle for 2019. The individual projects and initiatives can be categorized by the following:

1. Development-Ready Projects
2. Asset & Infrastructure rehabilitation
3. Parks & Public-Space
4. Marina Management Agreement Commitments

Since the initial West Harbour Waterfront Recreation Master Plan (WHWRMP) cost estimates were based on high-level conceptual designs and did not include cost indexing, the 2019 Capital Budget and budget forecast for future years (\$163M – Refer Table 7) includes costing adjustments based on detailed design specifications, projects that were not identified in the original plan, and current-year pricing estimates with respective financial indexing. The effect of which is a substantial increase in the overall cost projections.

To meet the commitment to the developer of the Pier 8 lands, the City must construct the following projects prior to development:

- i. Pier 8 Shoreline Restoration and Re-Construction
- ii. Pier 8 Promenade Park Construction
- iii. Pier 8 Sanitary Pumping Station Construction; and
- iv. Pier 8 Site Servicing

In addition, beyond 2019 two other projects are integral to the long-term viability of the overall Plan:

1. Re-Location of the Hamilton Police Service (HPS) Marine Unit, estimated at \$5.15M (updated estimate) for construction in 2021

The existing HPS Marine Unit building is past the useful lifespan and has been in need of capital replacement. It is scheduled to be re-located into a temporary facility within the Macassa Bay area in late 2018, as a result, a commitment to funding the permanent facility would be required.

2. New Parking Garage for Public Parking, estimated at \$33.2M (updated estimate). The design work in 2023 of \$4.9M (\$3.675M net of DC's). Construction costs of \$28.3M in 2025 (\$21.225M net of DC's).

As part of the overall re-development plan, existing free public parking located on Piers 6-8, as well as the parking for the marina facilities, will be eliminated over time as development progresses. West Harbour Staff have identified a long-term need to replace approximately 500-600 parking spaces. Although the WHWRMP identified the future need for a parking structure to address this concern, both the specific site and the funding options for this have not been finalized, and as such Staff would seek possible funding options that mitigate the impact on the City's capital budget.

Table 7

West Harbour Waterfront Strategic Initiatives		(\$000's)		
Capital Forecast				
	Development Ready 2018 Financing Plan	Total West Harbour Implementation Plan 2019 Capital Submissions		Difference
Approved 2012 - 2018	\$ 83,220	\$ 83,220		
Proposed 2019 tax	\$ 10,160	\$ 8,210		-\$1,950
Proposed 2019 rate	\$ 9,000	\$ 9,000		\$0
Proposed 2020	\$ 4,520	\$ 15,850		\$11,330
Proposed 2021	\$ 11,010	\$ 15,020		\$4,010
Proposed 2022	\$ 7,470	\$ 3,790		-\$3,680
Proposed 2023		\$ 5,235		\$5,235
Proposed 2025		\$ 22,460		\$22,460
Subtotal 2019 - 2025	<u>\$ 42,160</u>	<u>\$ 79,565</u>	\$	37,405
Total	<u>\$ 125,380</u>	<u>\$ 162,785</u>	\$	37,405

Development Ready 2018 Financing Plan did not include projects such as Police Marine Facility \$5.15M, West Harbour Parking Garage \$32.78M, Bayfront Park Ugrades \$6.45M, Bayview Park Remediation \$2.8M in 2019 plan, parking garage is net of DC's (25%).

With all other projects however, West Harbour Staff could be directed to find ways to mitigate current and future financial pressures by revising the scope of specific projects, revising the phasing plan such that specific projects are pushed to future years, or by eliminating specific projects in their entirety.

Although the funding sources will need to be identified, the timeframes have been forecast based on development expectations, and therefore may be adjusted to reflect the timing of the actual construction implementation.

Projects and initiatives were identified in several Council approved plans and agreements including the following:

- May 12, 2010; Council approved COW Report 10-014 and Staff Report PW09004/PED10108 "West Harbour Waterfront Recreation Master Plan" (WHWRMP);
- January 29, 2014; Council approved GIC Report 14-001 and staff Report PED14002 entitled "West Harbour Piers 5-8 Servicing Studies and Pro Forma Analysis";
- April 2, 2014 – GIC approved staff Report CM12015(b) entitled "Formal Marina Management Agreement (MMA) with the Hamilton Port Authority (HPA) Regarding Piers 7 and 8";
- March 30, 2015 – GIC approved Report 15-008 and staff Report PED14002(b) entitled "West Harbour Waterfront Re-Development Plan";

- May 24, 2017 – Council approved Planning Committee Report 17-009 and staff Report PED17074 entitled “Applications to Amend City of Hamilton Zoning By-law No. 05-200, Approval of a Draft Plan of Subdivision and Temporary Use By-law for lands located at Pier 8, 65 Guise Street East”;
- July 14, 2017, Council approved GIC Report 17-015, including Report PED14002(e) entitled “Pier 8 Request for Proposal (RFP) Evaluation and Scoring Framework” outlining the RFP evaluation and scoring framework”;
- November 22, 2017, Council approved GIC Report 17-024 including Report PED14002(f) entitled “Pier 8 Request for Proposal (RFP) Financial Bid Structure”;
- June 13, 2018; Council approved GIC Report 18-013, including Report PED14002(h) entitled “Pier 8 Development Opportunity Request for Proposals Evaluation”;
- September 12, 2018, Council approved GIC Report 18-017, including Report LS18052 entitled “Pier 8 Development - LPAT Appeals of Zoning By-law Amendments 17-095/096 and Draft Plan of Subdivision Approval”; and
- September 12, 2018, Council approved GIC Report 18-017 including Report PW18079 entitled “West Harbour Strategic Initiatives Pier 8 Capital Works Tenders”.

C. 10-Year Local Transit Strategy:

The proposed 2019-2028 Transit Capital Budget has been based on Council's approved 10-Year Local Transit Strategy in partnership with the Province's Public Transit Infrastructure Fund (PTIF). With that Strategy, \$580.6 M over the next 10-years would be required in Capital spending in order to support the BLAST express bus network (Acronym for 5 transit lines) and a new bus maintenance and storage facility. In addition, the basic Transit capital program has been set up to provide the following;

- Create sustainable reserves to maintain a 12-year life cycle for all buses
- Provide on street infrastructure such as shelters and landing pads
- Provide the technology required to monitor the service and deliver customer information

An estimated \$413.4M of the gross capital spending will be required in the next four years 2019-2022, \$301.3M of which relates to PTIF Phase 2 projects, refer to Table 8. The identified funding sources include PTIF Phase 2, new Debt, Internal Reserves, Development Charges and Federal Gas Tax. The new capital spend includes additional buses and a new storage facility. Currently, the Hamilton Street Railway (HSR) operates a fleet comprised of 267 buses. This fleet is scheduled to grow by 75 buses by 2024. Due to current capacity issues, a new bus storage facility is required.

The Government of Canada in conjunction with The Government of Ontario is expected to support the PTIF Phase 2 program and will cover up to 73% of the funding needed for projects supported under this agreement. The Ontario funding is to be allocated provincially on the basis of transit ridership.

The following are eligible investments under the PTIF program:

- a) Capital projects for the rehabilitation, optimization and modernization of public transit infrastructure, or that improve the efficiency, accessibility and/or safety of public transit infrastructure (including rehabilitation or enhancement of existing guide ways, maintenance and storage facilities, transit stations or other public transit capital assets; refurbishment or replacement of existing rolling stock; intelligent transportation systems and replacement or enhancement of transit stations);
- b) Expenditures to support the asset management capacity of a public transit system;
- c) Expenditures to support the design and planning for the expansion and improvements to public transit systems, including transportation demand management measures and studies and pilot projects related to innovative and transformative technologies; and
- d) Projects for system expansion, which may include active transportation, if they can be completed within the program timeframe.

The projects for which the grants were submitted were incorporated into the 2018 Tax Supported Capital Budget and Financing Plan.

HSR has been made aware of the decision that allows for the requested extension on projects that will not be completed by the March 31, 2018 deadline, with a new completion deadline of March 31, 2020. The projects that require extended deadline include MSF, HVAC, Bus Hoists, Bus Wash Rack, MTC Garage Doors, Transit Shelter & Bus Stop Rehabilitation.

Table 8 demonstrates how critical the Federal Government PTIF program is to the HSR 10-Year Capital, without it the program would be in a shortfall.

PTIF Phase 2

The federal government's framework for infrastructure funding PTIF Phase 2 is expected to be announced in mid-2019. Staff will be reporting back to Council once details are provided. To balance PTIF funding, the City's new multi-year finance strategy for Transit capital requirements is through issue of new debt. It is estimated that the new debt will amount to \$1.2M in 2019, \$13.5M in 2020, \$27M in 2021 and \$27M in 2022. The capital projects associated with this debt are contained in Table 8 for the period 2019 – 2022. In order to accommodate the debt charges associated with this financing strategy, Staff are proposing additional levy increase of 0.02% in 2019, 0.27% in 2020, 0.47% in 2021 and 0.47% in 2022.

Table 8

Projects	<u>Pre 2019</u>		<u>2019</u>		<u>2020-2022</u>	
	<u>Gross</u>	<u>Net</u>	<u>Gross</u>	<u>Net</u>	<u>Gross</u>	<u>Net</u>
HSR Bus Replacement	-	-	15,250	-	64,636	9,000
Nonrevenue Vehicle replace	-	-	170	-	316	-
Transit Hybrid Bus Battery rplc	700	-	240	-	-	-
Subtotal	700	-	15,660	-	64,952	9,000
HSR Bus Expansion Program - 10 Year Plan	10,380	5,190	-	-	11,545	3,075
HSR Expansion Buses - Modal Split	-	-	-	-	19,754	5,267
Transit Maintenance and Storage Facility	22,000	3,838	-	-	250,000	67,500
Corridor Capacity	-	-	610	163	1,830	489
PRESTO Equipment Replacement	-	-	-	-	4,235	1,143
Transit Terminal Development	-	-	3,190	851	7,060	1,883
Transit Shelter Expansion Program	-	-	150	-	450	-
Ranger Equipment Replacement	-	-	-	-	2,000	2,000
Terminal and End of Line Rehabilitation	-	-	75	75	225	225
Bus Stop Shelter Rehabilitation	-	-	125	125	375	375
Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities	420	420	740	197	2,430	648
Rapid Ready & Ten Year Local Transit Strategy Implementation	550	500	-	-	50	-
Fund Transit Reserve Shortfall- Re Cancellation of OBRP	-	-	3,700	3,700	11,100	11,100
Subtotal	33,350	9,948	8,590	5,111	311,054	93,705
Total	34,050	9,948	24,250	5,111	376,006	102,705

3.0 2019 TAX SUPPORTED CAPITAL LEVY

While the City's objective is to manage the need for future property tax increases, balancing the capital requirements of existing asset rehabilitation with investments in new projects to increase the City's assessment base requires increases in own source funding. Consequently, the City's Senior Leadership Team has at a minimum endorsed a 0.52% Capital Levy tax increase (\$4.357M). This action is in recognition of the need to increase own source funding which supports the City's Strategic Plan with regards to financial sustainability.

Evidence of the need to increase own source funding of the City's Capital Program is based on the following facts:

- The Capital Levy as a percentage of the total levy (refer to Table 9) is at 13.1% (2018). A healthy capital to operating ratio is around 15% to 20%. That is where the pre-amalgamation ratio was for the combined City before reserve provision transfers were reduced to provide amalgamation savings.
- The Capital Levy over the past 5 years increased by an annual average of 4.48%. Over the last 10-years, the Capital Levy as a percentage of the total levy has increased from 11.9% to 13.1%. A very positive step towards meeting the City's Capital responsibilities.

c) The City’s current annual infrastructure gap is estimated at \$195M per year.

As per Table 9, in 2018, \$112M (13.1% of the City’s \$858M tax levy) was used for capital purposes. For 2019, staff recommend a \$116.45M Capital Levy consisting of \$46.1M in budgeted debt charges and a \$70.3M transfer from operating to capital (direct dollar funding). This represents a Capital Levy increase of 3.9% (\$4.357M) over the previous year.

Table 9

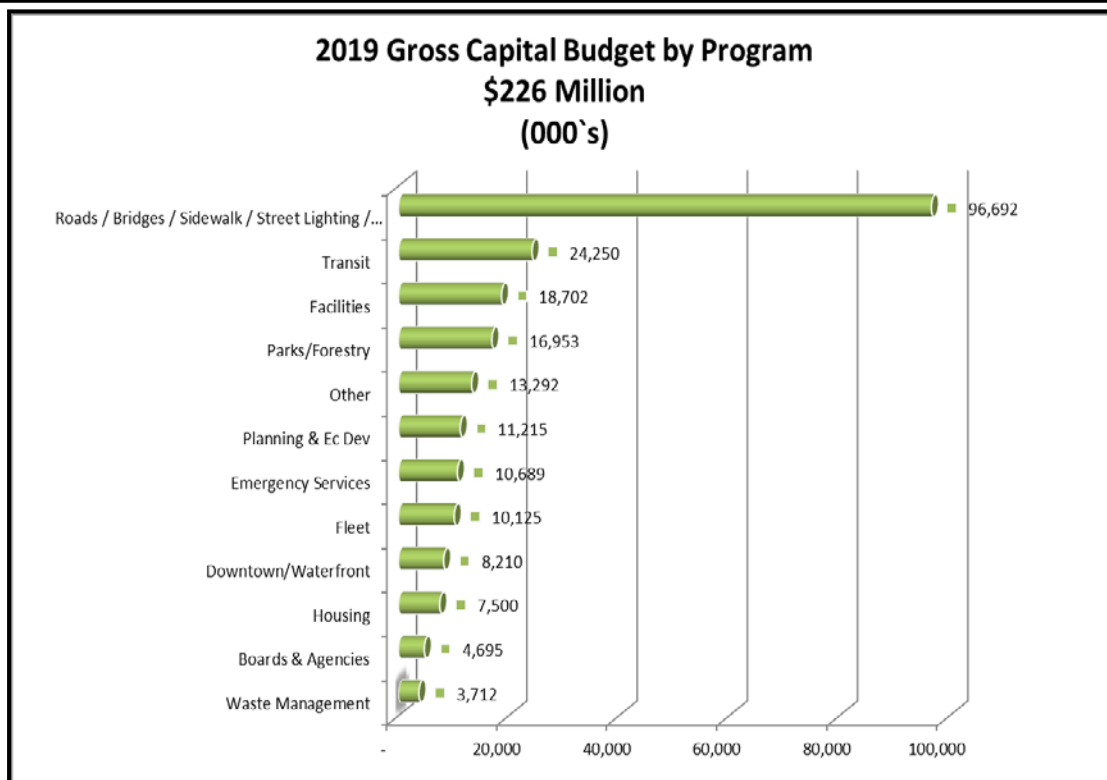
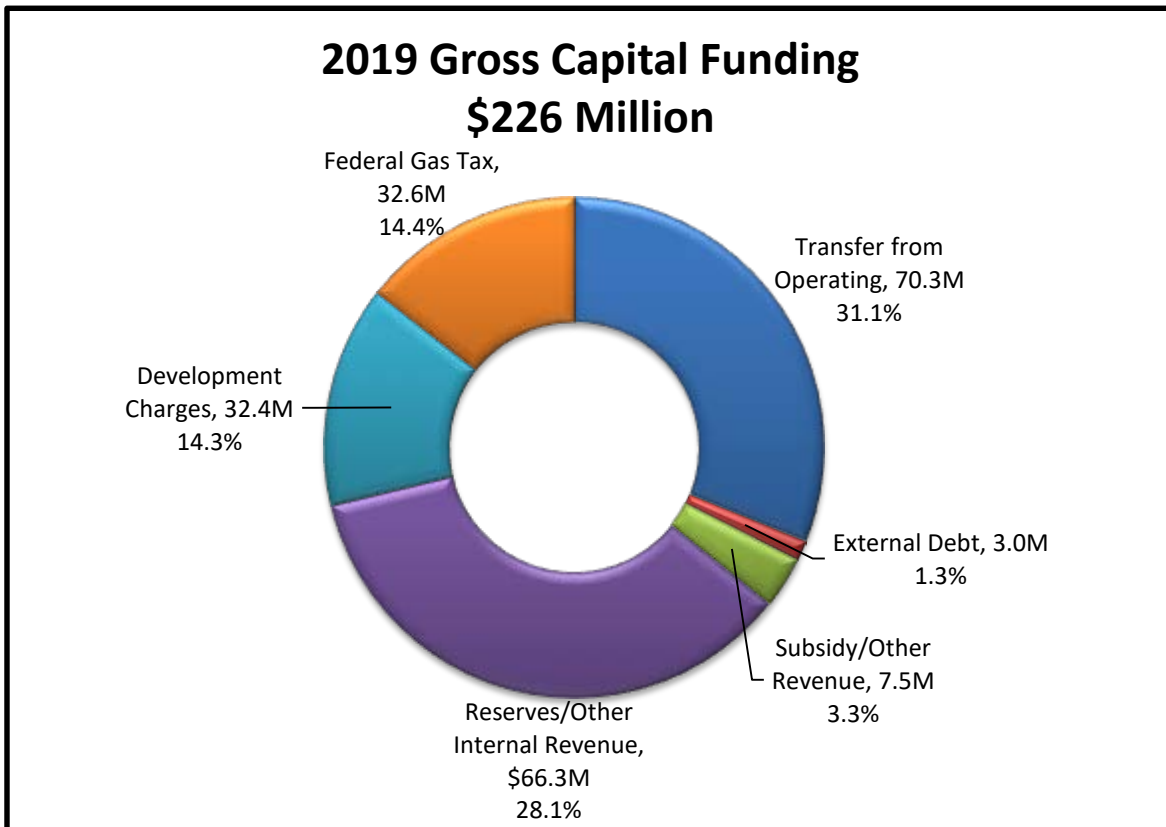
(\$ Millions)	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total Tax Levy	649.1	673.0	692.4	705.1	727.3	748.3	797.6	827.7	832.7	858
Capital Levy	77.5	80.4	83.4	86.7	90.2	90.2	94.6	99.0	102.9	112.1
Capital Levy % of Total Levy	11.9%	11.9%	12.0%	12.3%	12.4%	12.1%	11.9%	12.0%	12.4%	13.1%
Capital Levy Increase	0.0%	3.7%	3.7%	4.0%	4.0%	0.0%	4.9%	4.7%	3.9%	8.9%

Table 10 illustrates the Tax Levy Impact of a 0.52% total annual levy increase dedicated to the Capital Levy and the components of the proposed Tax Supported Capital Levy (debt charges and direct dollar for dollar capital funding as a transfer from operating budget).

Table 10

CAPITAL BUDGET IMPACT ON OPERATING BUDGET				
(\$000's)	2018	2019	CHANGE	
	<u>Restated</u>	<u>PROPOSED</u>	\$	%
Debt Charges	44,060	46,148	2,088	4.7
Transfer from Operating	68,034	70,303	2,269	3.3
Total Impact	112,094	116,451	4,357	3.9
Impact on Average Residential Property Tax 0.52% (\$18)				

The following charts illustrate the 2019 Capital funding sources and the corresponding recommended allocation across programs.



4.0 2019 TAX SUPPORTED CAPITAL BUDGET PRIORITIZATION PROCESS

The City of Hamilton employs a hybrid Capital Block Funding Prioritization methodology which over the years has evolved, aligning with the City's Strategic Plan. This has been accomplished by senior staff in all program areas endorsing a corporate Capital funding program focused on meeting a base level financial requirement. This process ensures stable long-term capital funding for hard infrastructure program areas (roads, facilities, long-term care assets) which facilitates effective costing and priority planning outcomes. In addition, meetings with councillors provide input for the Capital Program through various workshops through the Capital Budget Planning Process. The process for the 2019 Capital Budget was as follows:

- Staff met to determine the discretionary funding available from the most current information available. Discretionary funds are those funds that could be directed to any Capital program area. This would not include specific use reserve funds (DC's, Fleet, Transit, etc) or any other specific funding.
- Staff met in the second and third quarters of 2018 to determine needs and create funding strategies based on those needs versus financial constraints.
- Quantitative Block Funding strategies were based on historical funding averages, Masterplan requirements and subsidy eligibility.
- Capital projects receiving significant subsidy and/or approved by Council prior to Capital Budget deadlines receive priority in the Block Funding process.

5.0 2019 PROPOSED TAX SUPPORTED CAPITAL BUDGET

Table 11 summarizes the proposed Capital Budget by program area and compares it to the previous year's approved capital program. The proposed Capital Budget incorporates a 0.52% tax increase (\$4.357M) dedicated to the Capital Levy.

Table 11

2019 PROPOSED TAX SUPPORTED CAPITAL BUDGET (\$000's)				
	2018 RESTATED		2019 PROPOSED	
	GROSS	NET	GROSS	NET
Proposed Program Funding	\$	\$	\$	\$
Recreation Facilities	10,169	4,624	10,293	4,616
Corporate Facilities / Energy Initiatives	18,217	6,507	5,902	4,860
Entertainment Facilities	7,000	1,300	2,839	800
Forestry & Horticulture (Includes Tree Planting)	1,742	1,345	1,895	1,345
Open Space Development	7,868	3,241	8,333	3,398
Waste Management	4,556	4,556	3,712	3,468
Transit Services	19,408	4,820	24,250	5,111
Corporate Fleet Services	7,739	-	10,125	-
Parks & Cemeteries	1,590	1,138	2,625	1,658
Roads / Bridges / Sidewalk / Street Lighting / Traffic	102,075	55,202	96,692	56,215
West Harbour & Waterfront Initiatives	25,790	24,280	8,210	8,210
Healthy and Safe Communities	320	-	553	318
Housing Services	11,000	11,000	7,500	7,500
Long-Term Care Facilities	1,606	500	1,435	500
Emergency Services	8,482	580	10,689	982
Corporate Services / City Manager	7,455	5,983	10,597	9,976
Area Rating (Ward 1-8)	870	-	0	-
Planning & Development	4,664	130	6,711	1,398
Tourism & Culture	1,702	1,702	2,294	1,702
Downtowns & Commercial Districts	2,260	2,210	2,210	2,210
Total Program Funding	244,513	129,118	216,865	114,267
Other Major Projects				
Parkland Acquisition	-	-	1,500	1,500
Randle Reef	375	375	375	375
Emerald Ash Borer Program	2,600	2,600	2,600	2,600
Total Other Major Projects	2,975	2,975	4,475	4,475
Total Before Special Levies and Boards	247,488	132,093	221,340	118,742
Special Levies & Boards				
CityHousing	500	500	500	500
Police Services	1,550	-	400	400
Hamilton Public Library	6,344	2,260	1,725	720
Beach Rescue	42	-	70	-
H.C.A\Confederation Park\Westfield	2,000	2,000	2,000	2,000
Total Special Levies & Boards	10,436	4,760	4,695	3,620
Total Funded Projects	257,924	136,853	226,035	122,362

6.0 2019 – 2022 TAX SUPPORTED CAPITAL FORECAST ASSUMPTIONS / HIGHLIGHTS

1. Budgeted debt financing. For the 2019-2022 debt financed capital projects, it is assumed that debt repayments start on July 1 at 5.00% interest rate amortized over 15 years. For previously approved capital projects (Works-In-Progress – WIP's), July 1 is also the date that debt repayments start accruing.
2. Federal/Provincial Infrastructure Subsidy – Gas Tax Revenues. The majority of municipalities cannot meet the cost of proper infrastructure repair and rehabilitation. In response, the Federal government is contributing 5 cents per litre of gas sold to municipalities for this issue. This subsidy is currently estimated at \$32.6M for 2019.
3. Hamilton Utilities Corporation Capital Funding Dividend. Based on the Hamilton Utilities Corporation Dividend Policy staff incorporated \$5M in dividends to fund the Capital Program in 2019 and \$5M in each subsequent year thereafter (\$3M) dedicated to the Poverty Reduction Strategy.

Table 12 provides a 4-year discretionary capital forecast for 2019 – 2022 summarized by program area expenditures and the sources of discretionary funding. It does not include non-discretionary capital sources of funding which must be used for a specific purpose (i.e. dedicated reserves for Development Charges, Fleet, etc). The highlights regarding the discretionary funding envelope are:

- a) Increase in the contribution from operating from \$68M in 2018 to \$70.3M in 2019.
- b) 2019 Capital financing surplus stems from calendar year 2017 and is due to approved but unissued debt.

Discretionary funds may be directed by Council to any purpose it deems necessary (with some program limitations regarding the Federal Gas Tax). Table 12 assumes an annual 0.52% property tax increase to support regular capital programming and additional property tax increases to cover the debt charges associated with the City's share of the PTIF Program. This would include incremental increases of 0.02% in 2019, 0.27% in 2020, 0.47% in 2021 and 0.47% in 2022.

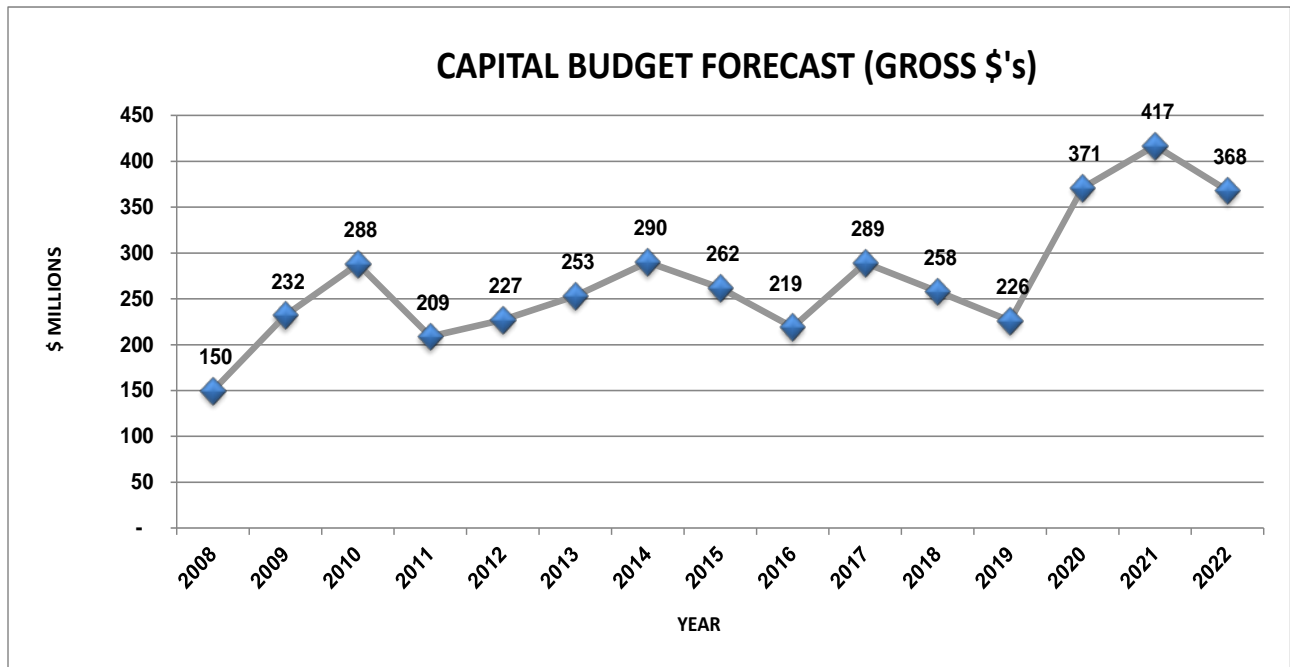
Staff recommends incorporating the operating impact of capital projects in the 2020 operating budget. In 2018, the operating impact of Capital for inclusion into the 2019 operating budget was \$2.2M and 15.77 FTE's. The operating impact of the 2019 Capital Budget for is \$2.7 M and 24.24 FTE's. A portion, \$887 K and 11.25 FTE is recommended to be included in the 2019 Operating budget, the balance of \$1.9 M and 12.99 FTE's is recommended to be incorporated into the 2020, or future, Tax Supported Operating Budgets.

Table 12

Sources of Funding (Net) (\$000's)	2018 Restated	2019 Proposed	2020 Forecast	2021 Forecast	2022 Forecast
<u>Sustainable</u>					
Contribution from Operating	68,034	70,303	74,754	79,990	86,141
Hydro Dividends	5,500	2,000	2,000	2,000	2,000
Hydro Dividends - Poverty Reduction	3,000	3,000	3,000	3,000	3,000
Future Fund - Poverty Reduction	8,000	4,000	4,000	4,000	-
Federal Gas Tax	32,176	32,576	32,576	34,057	34,057
Previous Yrs. Capital Financing Surplus	4,000	5,000	2,000	2,000	2,000
Sub-total	120,710	116,879	118,330	125,047	127,198
<u>Non-Sustainable</u>					
Unallocated Capital Reserve	-	2,500	2,500	-	-
WIP Funding Interest	250	-	-	-	-
Sale of Assets	2,000	-	-	-	-
Roads WIP / Tender Surplus Funding	1,500	-	-	-	-
Sub-total	3,750	2,500	2,500	-	-
External Debt	12,393	2,983	33,642	46,156	43,813
Total Funding (Net)	136,853	122,362	154,472	171,203	171,011
<u>Net Capital Funding</u>					
Roads / Bridges / Sidewalk / Traffic	55,202	56,215	58,464	60,883	63,319
Corporate Facilities	6,507	4,860	4,583	4,583	4,583
Recreation Facilities	4,624	4,616	4,580	4,580	4,580
Entertainment Facilities	1,300	800	800	800	800
Park Development (New/Expansion)	3,241	3,398	3,241	3,241	3,241
Park's Operations	1,138	1,658	1,138	1,138	1,138
Forestry & Horticulture	1,345	1,345	1,345	1,345	1,345
Waste Management	4,556	3,468	7,495	12,025	24,085
Downtowns & Commercial Districts	2,210	2,210	2,210	2,210	2,210
Cultural Facilities	1,702	1,702	1,702	1,702	1,702
Long Term Care Facilities	500	500	500	500	500
Housing Services	11,000	7,500	7,500	7,500	3,500
Block Funding Total	93,325	88,272	93,558	100,507	111,003
<u>Major Capital Initiatives</u>					
West Harbour Development	24,280	8,210	15,850	15,020	3,790
Ash Borer	2,600	2,600	2,600	2,600	2,600
Randle Reef	375	375	375	375	-
Fire / Paramedic Services	580	982	1,000	1,000	1,000
Health and Safe Communities - Other Div	-	318	160	160	160
Corporate Services	115	286	90	90	90
City Manager/Human Resources	368	1,375	-	-	-
Information Technology	500	1,815	500	500	500
Planning / Development	130	633	130	130	130
Economic Development Initiatives	-	765	2,000	2,000	2,000
Parkland Acquisition	-	1,500	1,500	1,500	1,500
Transit	4,820	5,111	22,158	38,646	36,743
DC exemptions	5,000	6,500	6,500	6,500	6,500
Boards & Agencies					
CityHousing Hamilton	500	500	500	500	500
Hamilton Conservation Authority	2,000	2,000	2,000	2,000	2,000
Library	2,260	720	1,100	-	2,950
Police Services	-	400	1,330	-	-
Subtotal - Boards & Agencies	4,760	3,620	4,930	2,500	5,450
Unallocated - Surplus(Shortfall)	-	-	3,121	(325)	(455)
Total Expenditures (Net)	136,853	122,362	154,472	171,203	171,011

7.0 2019 – 2028 TAX SUPPORTED CAPITAL FORECAST

The following 15-year Capital Budget graph and corresponding forecast Tables are based on staff’s recommended annual 0.5% tax increase for the regular Capital Program and additional property tax increases to cover the debt charges associated with two priority Capital Programs, the City’s share of the PTIF Program and the 2020-2025 West Harbour MP cost increases.



The City’s declining capital affordability is due to:

- a) Decreased Capital Funding capacity due to major capital project debt commitments (refer to Table 13).
- b) Aging Infrastructure.
- c) A reduced amount of property tax revenue (proportionate) dedicated to capital (Table 9).

Past expenditures on the major projects listed below make up a significant portion (\$19M) of the \$29M debt charge component of the 2019 Capital Levy. This is of particular importance in that there are significant future proposed projects (10-year Transit Strategy, West Harbour, park development) which may significantly add to the debt charge component of the Tax Supported Capital Levy.

Table 13

MAJOR PROJECTS (\$ Millions)	<u>2018 & Prior Debt only</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total</u>
Red Hill Valley Project	31.0						31.0
City Hall	8.4						8.4
Waste Management	25.7						25.7
Lister Block	16.2						16.2
POA	7.2						7.2
Police Forensic Building	14.2						14.2
Pan Am Stadium	6.0						6.0
10-year Transit Strategy	28.2	1.2	17.8	31.1	31.2		109.5
West Harbour	47.9	8.2	15.9	15.0	3.8	5.2	96.0
Total	184.9	9.4	33.7	46.1	35.0	5.2	314.3
Cumulative Debt Charges on above projects (funded from Tax Levy)		36.2	45.8	48.6	47.9	43.2	221.7

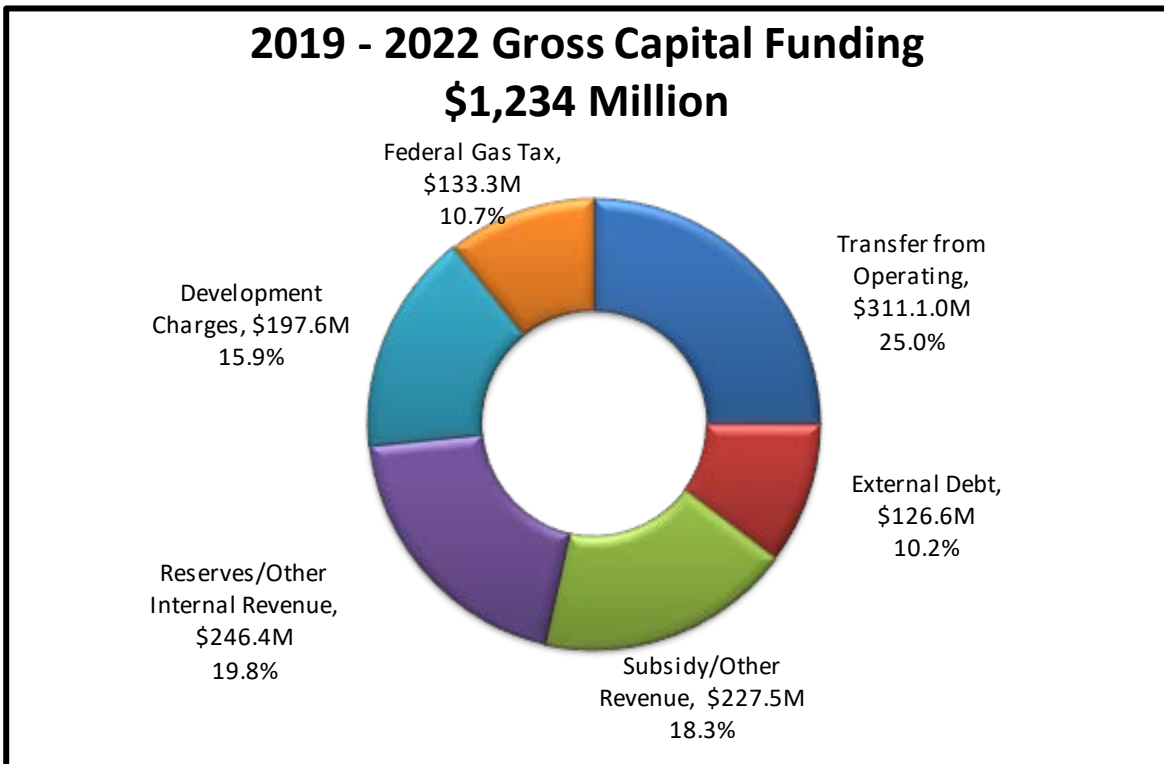
Inflationary pressures of capital expenditures relative to the inflationary capacity of property tax increases are illustrated in Table 14. Over the last 5-years the trend is that both variables have been relatively stable and equal.

Table 14

Inflationary Pressures on Capital Expenditures - (%)									
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Non-Residential Building Construction Price Index	-0.07	4.07	2.23	0.4	1.38	1.82	2.93	3.2	3.09*
Property Tax Increase	2.0	0.8	0.9	1.9	1.5	2.7	1.7	2.1	1.9

* forecast

The following two charts illustrate the City’s 10-year Tax Supported Capital Forecast by program and the 10-year forecast of the sources of funding.



As has been the case in previous years, a rationing problem exists in the City's capital financing plan. Table 15 illustrates that submitted capital projects for the next 4 years total approximately \$1.4B while the 2019 - 2022 capital forecast can only support \$1.24B in new capital projects. This leaves the City with an approximate \$158M funding gap. However, over the last 3-years, City Capital Program staff have for the most part, limited their Capital requests to predetermined "block funding" levels knowing that any additional requests would not be considered. The funding gap would be much greater if sufficient funding were available to tackle the \$3.7 B accumulated infrastructure deficit.

While Table 15 illustrates the funding gap between Tax Supported Capital submitted and funding available, the amount of capital submitted by staff would be much greater if additional funding were available to tackle the \$195 M annual infrastructure deficit.

Table 15

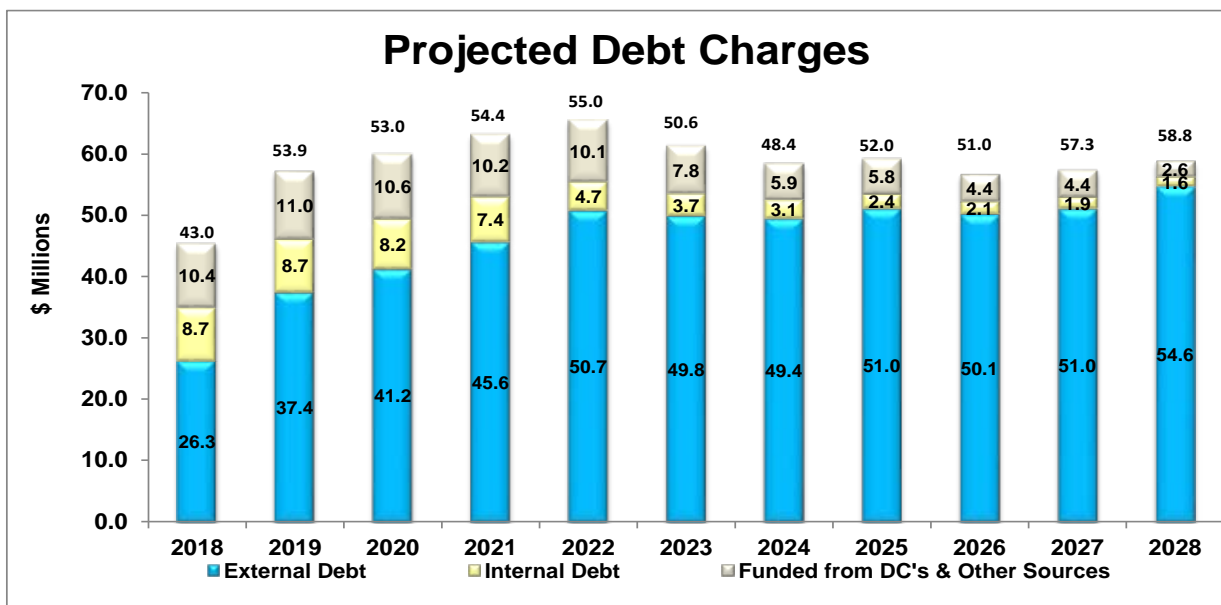
2019 -2022 CAPITAL FORECAST						
PROJECTED GROSS CAPITAL & FUNDING SOURCES						
SOURCES OF FUNDING	<u>2018</u> <u>Revised</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>4 YEAR</u> <u>TOTAL</u>
SUBSIDY / OTHER REVENUE	7,344	7,522	51,045	84,365	84,599	227,531
RESERVES / OTHER INTERNAL	118,376	80,246	52,256	64,699	49,226	246,427
DEVELOPMENT CHARGES	19,601	32,405	76,082	42,239	46,887	197,613
FEDERAL GAS TAX	32,176	32,576	32,576	34,057	34,057	133,266
TRANSFER FROM OPERATING	68,034	70,303	74,754	79,990	86,141	311,188
EXTERNAL DEBT	12,393	2,983	33,642	46,156	43,813	126,594
TOTAL CAPITAL FINANCING AVAILABLE	257,924	226,035	320,355	351,506	344,723	1,242,619
TOTAL CAPITAL SUBMITTED	271,534	244,765	370,783	417,431	368,106	1,401,085
(UNAFFORDABLE)/SURPLUS	(13,610)	(18,730)	(50,428)	(65,925)	(23,383)	(158,466)

8.0 TAX SUPPORTED DEBT AND DEBT FORECAST

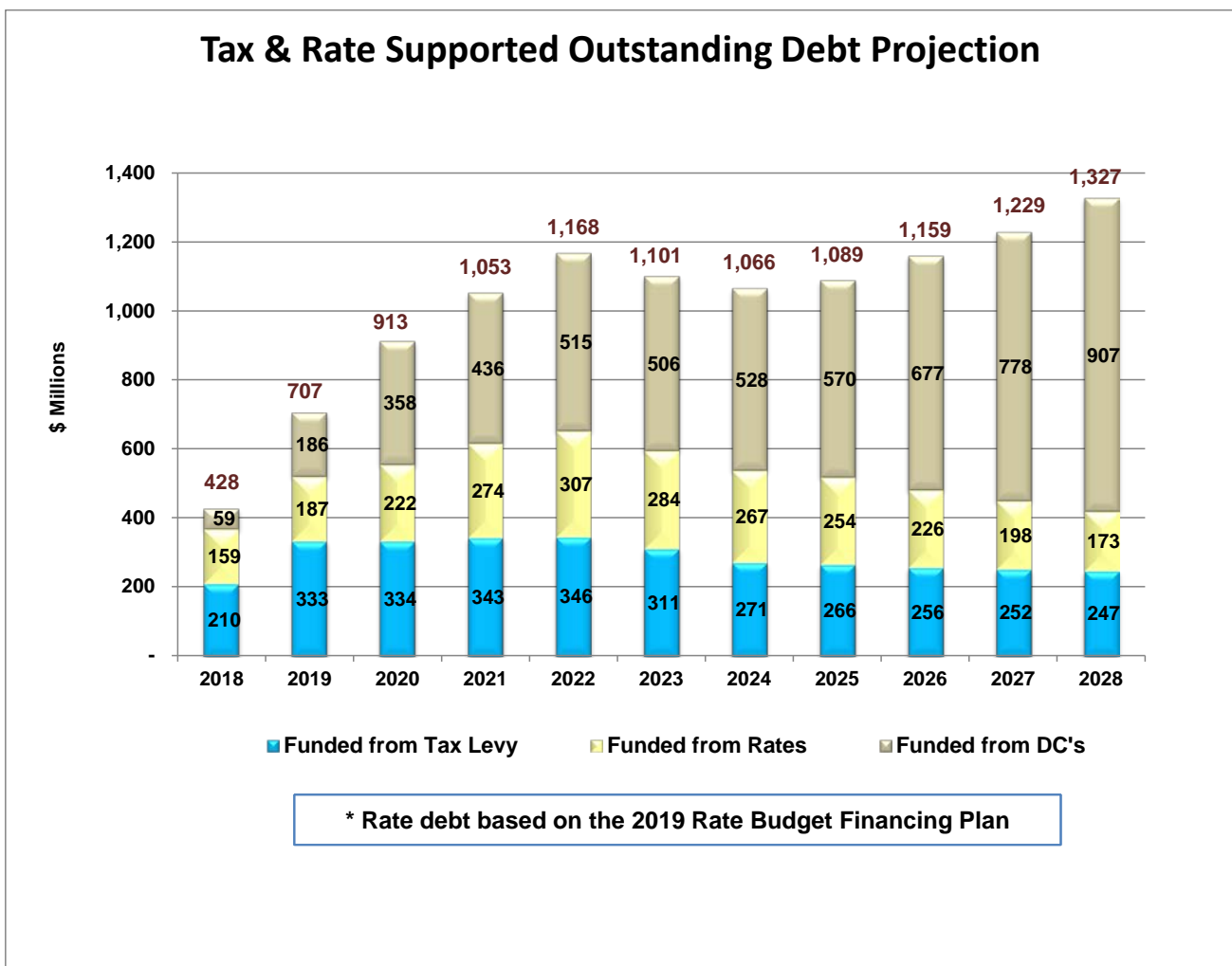
In the proposed 2019-2028 10-year financing plan, tax supported budgeted external-debt levels peak in 2022 at \$509M. Table 16 and the following debt graphs provide the projected actual tax supported debt forecast, and debt charge amounts. The actual debt forecast takes into account the many reasons that debt issuance may be delayed (Capital projects require a longer EA process, etc.). The City will only issue debt as capital expenditures occur. In the latter end of the 10-year debt forecast, the City is still issuing debt for previous period Capital and that is why the budgeted debt is greater than the actual debt. Credit Rating Agencies are most focused on the level of actual external debt in assessing investor risk.

Table 16

TAX SUPPORTED EXTERNAL DEBT FORECAST											
(\$Millions)	Balance as of December 31st										
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2019 - 2028 FINANCING PLAN											
TAX SUPPORTED	210	333	334	343	346	311	271	266	256	252	247
FUNDED FROM DC's	55	84	136	151	163	152	168	186	189	181	206
TOTAL BUDGETED DEBT	265	417	470	494	509	463	439	452	446	433	453
PROJECTED ACTUAL		313	353	371	382	347	329	339	334	325	340
2018 - 2027 FINANCING PLAN											
TAX SUPPORTED	330	414	439	451	436	408	378	371	344	302	
FUNDED FROM DC's	38	32	26	20	14	9	6	3	2	-	
TOTAL BUDGETED DEBT	368	446	465	471	450	417	384	374	346	302	

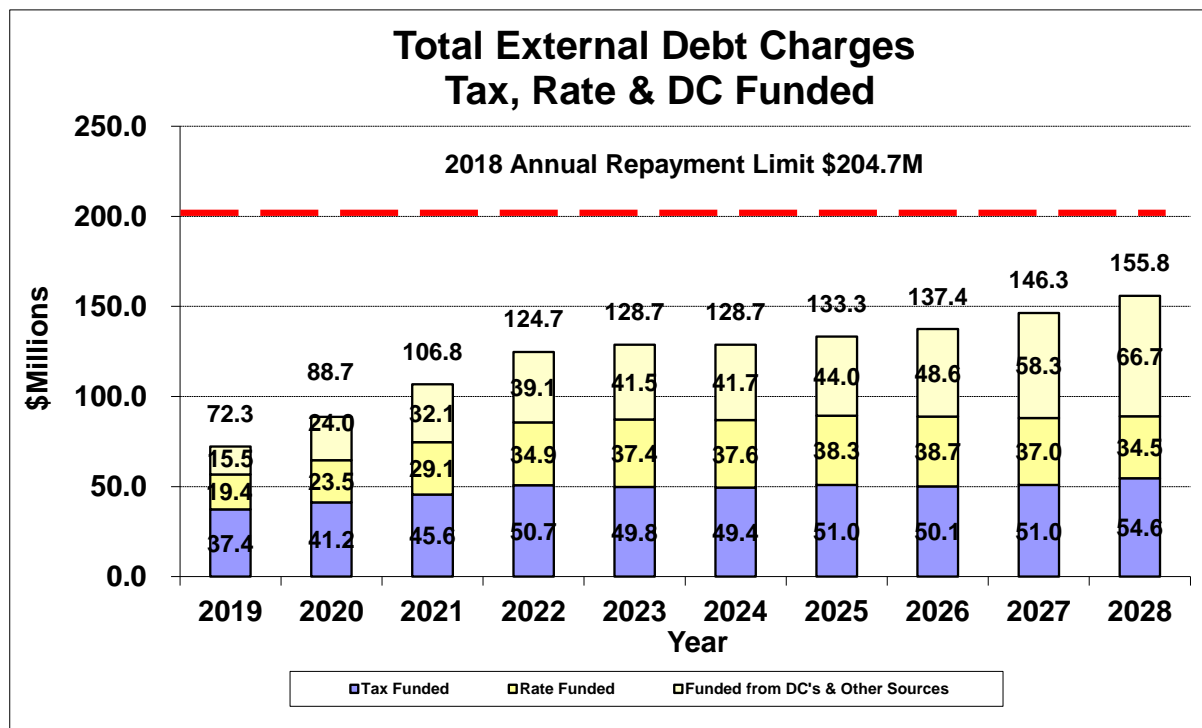


The graph below is a 10-year forecast of total Debt for the City of Hamilton. That is debt associated with the Tax Supported Capital and the debt which funds a portion of the Rate Capital Budget (Water, Wastewater and Stormwater). The graph shows that a significant portion of total debt is comprised of debt for growth infrastructure. It includes infrastructure such as the expansion of the wastewater plant of approximately \$296.3M, major sewer and water trunks and roads benefiting development. The WWTP expansion with construction start forecasted in 2026 is projected to be 100% DC Debt funded. Staff monitor this forecast very closely and have to date managed to defer a significant portion of the work as development has lagged behind previous forecasts. Staff will continue to monitor the forecast and minimize any risks associated with growth revenues not being able to sustain the forecast debt levels.



The following graph compares the total forecast City debt charges for the 10-year Capital Plan (rate and tax supported) against the Province's 2018 debt repayment limit. The repayment limit is a calculation which takes into account the City's ability to pay the debt charges from available revenues. While this graph shows the City's debt charges rising, staff will monitor the City's ability to pay, especially as it pertains to development charges. Staff will minimize the

risk associated with DC debt by ensuring that any growth-related debt principal and interest are forecasted to be covered by future growth projections.



The following table provides a comparison of the City of Hamilton’s debt levels to other municipalities. The debt data used in the comparisons is the same data used by the Province to calculate the municipalities Annual Repayment Limit (ARL) i.e. Percent of total debt charges to municipalities own revenues, which provides an indication of the municipalities’ ability to meet its financial obligations. The maximum ARL allowed by the Province is debt charges up to a maximum of 25% of the municipalities own revenues. This would translate to support an outstanding debt amount of \$2.125B versus our current peak forecast of \$1.327B. Hamilton’s current debt is well below the allowable provincial limit.

Hamilton’s percent of debt charges to own revenues is 5.1% compared to the average of 7.2% for all municipalities included in the comparison. The ARL comparators range from 2.5% (City of Cambridge) to 9.8% (Waterloo Region). It should be noted the debt obligations and the associated debt charges presented in the table include debt obligations pertaining to City Housing Hamilton. The City’s debt charges to own revenues in the peak debt forecast period would increase to approximately 8% in 2028.

Debt Comparators

Based on 2017 FIR's

	Hamilton	London	Ottawa	Bramford	Halton Region	Burlington	Waterloo Region	Waterloo	Cambridge	Niagara Region	St. Catharines	York Region	Toronto
Debt per capita (1)	\$ 742	\$ 817	\$ 2,453	\$ 799	\$ 562	\$ 1,067	\$ 1,172	\$ 1,628	\$ 1,469	\$ 755	\$ 1,574	\$ 2,867	\$ 2,139
Debt per household (1)	\$ 1,837	\$ 1,788	\$ 5,770	\$ 1,947	\$ 1,515	\$ 2,745	\$ 3,265	\$ 4,566	\$ 4,083	\$ 1,743	\$ 3,659	\$ 9,238	\$ 5,249
Credit Rating (2)	AA+	AAA	AA	NR	AAA	NR	AAA	NR	NR	AA	NR	AA+	AA
Total Own Revenues (Net) (per ARL Calculation)	\$M 1,337.2	904.1	2,704.6	237.6	702.1	225.4	744.5	155.8	168.5	601.7	167.0	1,672.0	9,351.4
Total Debt & LT Liabilities (Incl. Housing)	\$M 418.1	316.3	2,401.7	79.5	320.1	88.9	696.1	64.0	39.8	346.5	109.0	3,459.4	6,266.0
% to own revenues	31.3%	35.0%	88.8%	33.5%	45.6%	69.5%	93.5%	41.1%	23.6%	57.6%	65.3%	206.9%	67.0%
Total Debt Charges (Incl. Lease & LT Commitment Payments)	\$M 68.1	63.0	214.4	9.7	38.5	16.9	72.8	7.5	4.2	42.6	14.4	386.6	792.2
% to own revenues	5.1%	7.0%	7.9%	4.1%	5.5%	7.5%	9.8%	4.8%	2.5%	7.1%	8.6%	23.1%	8.5%
Annual Repayment Limit (ARL) = 25% of Total Own Revenues above													

9.0 AREA RATING SPECIAL CAPITAL RE-INVESTMENT RESERVES

At the April 14, 2011 Council meeting, amendments to the area rating methodology, constituting an “Urban/Rural” model of area rating, were approved. As a result, a tax shift was initiated resulting in the establishment of 8 reserves for the former City of Hamilton wards to address the infrastructure deficit within the respective wards. From 2014 to 2018 Wards 1 to 8 have had \$1.68M allocated annually to address ward specific infrastructure and capital. Table 17 forecasts the expected ending balance of each ward reserve based on current expenditures and commitments. Amounts will be reduced as future projects and initiatives are identified to be funded from the reserves.

Table 17

Wards 1 to 8 Area Rating Special Capital Re-Investment Reserves Forecast Closing Balances (\$ 000's)				
Reserve	Ward	2018	2019	2020
108051	Ward 1	414	2,020	3,663
108052	Ward 2	1,624	1,892	3,533
108053	Ward 3	80	1,679	3,314
108054	Ward 4	157	1,454	2,882
108055	Ward 5	91	1,690	3,326
108056	Ward 6	340	1,945	3,586
108057	Ward 7	1,070	2,691	4,350
108058	Ward 8	21	1,618	3,252

In June 2016, the City of Hamilton began reviewing their Ward boundaries to ensure their citizens were effectively represented due to the population growth. Watson and Associates Economists Ltd were hired as consultants and the Ward Boundary Review Report was

approved through GIC 17-003 in February 2017. Three options were presented to the Ontario Municipal Board (OMB), with Option 2 being selected as the new boundaries for the City of Hamilton in December 2017.

With the new Ward boundaries, the alignment of the former Wards 1 to 8 of the City of Hamilton no longer exists. Each Ward boundary has changed impacting the allocation of the Area Rating Special Capital Re-Investment Reserves. Wards 9,10 and 14 boundaries now include a portion of the former City of Hamilton (Wards 1 to 8). A report regarding the allocation of funding due to the Ward boundary changes will be coming forward in 2019.

10.0 HOUSING SERVICES

On December 13, 2013, Hamilton City Council approved the City's 10-year Housing and Homelessness Action Plan ("Action Plan"). The Action Plan is a solution-focused, person-centred plan that guides decision making on how Hamilton addresses affordable housing and homelessness. The Action Plan includes five broad outcome areas (supply, affordability, supports, quality, equity). There are 16 targets supported by 54 specific strategies. Many of these strategies are being implemented although, in some cases, achieving the established targets and outcomes will require additional funding.

Environmental factors have changed since Council approved the Action Plan in 2013. In the past, Hamilton experienced lower rents than neighbouring communities in the Greater Toronto-Hamilton Area. However, there are trends developing in Hamilton's rental market which show that affordability is eroding at a rapid pace. In 2012, the average rent in Hamilton was \$757 per month and the vacancy rate was 4.1%.¹ In 2017, the average market rent (AMR) for all units in Hamilton increased to \$943 per month. This equates to an average annual increase of 4.1%, a pace almost double the rate of inflation. Some areas of the city have seen rents increase at an even faster rate; in East Hamilton, where rents have traditionally been among the most affordable, rents have increased by an average of 6.6% per year bringing the AMR up from \$724 per month in 2012 to \$1,009 per month in 2017.² This means the average East Hamilton renter household is now paying \$285 per month more on rent than they were only 6 years ago. These increases far exceed average increases in household income over the same time period. Vacancy rates decreased significantly from 4.5% in 2016 to 2.6%. It is anticipated that the 2018 data will confirm continued upward pressure on average rents and a downward trend in vacancy rates. Currently, 45% of rental households in Hamilton are paying more than 30% of income on rent.³ It is becoming increasingly difficult to find affordable housing in Hamilton which will continue to increase the number of households applying to the City's social housing waitlist.

2018 Housing Investments

Poverty Reduction Investment Plan

¹ Canada Mortgage and Housing Corporation, (2012). Rental Market Report

² Canada Mortgage and Housing Corporation, (2016). Rental Market Report

³ Statistics Canada, 2016 Census of Population, Housing Data, Statistics Canada Catalogue no. 98-400-X2016225.

In September 2017 City Council approved the Poverty Reduction Investment Plan (Report CES16043(a)). This plan will invest \$50M from 2017-2027 in the community, allocating \$20M to address capital repairs and regeneration in the current social housing stock, \$20M toward new affordable rental housing development, and \$10M towards Indigenous poverty reduction. This plan is funded by \$20M derived from the Hamilton Future Fund Reserve with cash flow of \$4M per year starting in 2017, and \$30M at \$3M per year for 10 year from 2018 to 2027 from the dividend uplift to the City from the Horizon Utilities Corporation merger.

As of September 2018, the social housing repair component of the Poverty Reduction Investment Fund has rehabilitated 203 units of CityHousing Hamilton owned housing and 377 units of housing operated by other non-profit and co-operative housing providers.

Social Housing Apartment Improvement Program (SHAIP)

On July 9, 2018, the City received notice from the Minister of Municipal Affairs and Housing that the Province cancelled the cap and trade program which funded the Social Housing Apartment Improvement Program (SHAIP) and GreenON for repairs and retrofits in scale social housing buildings. The program is now limited to the funding committed through in the Year 1 (2017/2018) SHAIP allocation of \$14.1M, which has been fully allocated. Previously announced funding for subsequent years (2019-2021) of \$17.1 (SHAIP) and \$541K (GreenON) will no longer be available.

Social Housing Capital Repairs and Regeneration

Under the *Housing Services Act, 2011*, the City, as Service Manager for social housing is responsible to maintain prescribed service level standards by providing funding and oversight to all social housing providers. The City has the ultimate responsibility for all social housing projects in the City in the case of default or project difficulty.

There are approximately 14,000 social housing units in the City accommodating approximately 30,000 people. Nearly half of the units are managed by the City-owned social housing provider, CityHousing Hamilton (CHH). The rest are managed by other non-profit social housing providers. In 2018, the City subsidized social housing costs in the approximate amount of \$51M with \$34M funded from the levy supported operating budget and \$17M funded through Federal government sources.

As of October 1, 2018, there were approximately 6,841 households waiting for rent-geared-to-income housing in Hamilton. This represents an increase of approximately 10% over October 1, 2017. The Action Plan targets a 50% reduction in the number of households waiting for rent-geared-to-income housing by 2023.

The Action Plan strategy 4.1 calls for adequately funded capital reserves for social housing based on building condition assessments. Most of the social housing stock in Hamilton was constructed between the 1950s and the mid-1990s. In 2001, when the Province transferred the responsibility for administration and funding of social housing to municipalities, it transferred a capital reserve of \$3.7M and an estimated shortfall of approximately \$135M, based on City

funded building condition assessments and reserve fund studies undertaken at the time. Capital repair liabilities are growing faster than the ability to increase social housing providers' capital reserves, putting additional pressure on the City.

The federal and provincial governments have provided intermittent capital repair funding. From 2009-2010 and 2010-2011, the Social Housing Renovation and Retrofit Program (SHRRP), a funding component of the Canada-Ontario Affordable Housing Program, allocated \$33.7M to the City for the repair and regeneration of eligible social housing projects. The program did not address the full backlog of capital repair projects existing at that time and the SHRRP was not continued under the subsequent Investment in Affordable Housing program.

On June 21, 2016, the federal government announced new funding for social housing capital repairs through the Social Housing Improvement Program (SHIP), a component of 2016 Social Infrastructure Fund. Through SHIP, Hamilton was allocated \$11,597,400 to fund and support capital repairs in Hamilton's social housing stock. The Program guidelines require that the funding be made available to eligible social housing providers to fund and support capital repairs in Hamilton's social housing stock. In accordance with the guidelines, the Housing Services Division released a call for applications to social housing providers in July 2016 to determine funding requirements for capital projects that meet Program guidelines in terms of scope and timelines.

Social housing providers were required to submit applications for projects that are prioritized based on any completed building condition assessments. Staff received requests for project funding totalling almost \$40M, in which 49 projects were approved for funding.

Without an additional source of funding, most social housing providers will have no options to deal with the cost of unanticipated capital and emergency repairs that cannot be addressed within the current funding opportunities. The City has the Social Housing Capital Reserve Fund to assist social housing providers with the cost of capital and emergency repairs but this fund is insufficient to meet current and projected demands. As of September 30, 2018, the Social Housing Capital Reserve Fund had an approximate balance of \$877,000 of which \$700K has been committed.

Capital projects identified in completed building condition assessments are tracked for all social housing providers, except CityHousing Hamilton, in a database called AssetPlanner. CityHousing Hamilton is in the process of tracking its capital repair needs through a similar database managed by Facilities. The current data projects an unfunded capital repair liability in social housing at \$232M, which grows to over \$600M in the next 10 years. AssetPlanner provides detailed analysis to support social housing providers with capital work planning and assists the City, as Service Manager, in prioritizing funding allocation for capital repair projects. Projects are assigned priority scores based on five criteria: legislative requirements, tenant impact, urgency of action, savings potential, and component condition. At present, there are almost 1000 capital repair projects in the Asset Planner database based on completed building condition assessments.

Projects will be reviewed and considered for funding from the 2019 tax supported capital funding for social housing repairs and regeneration based on priorities identified in AssetPlanner. Projects will be prioritized and recommended for funding based on the severity

of health and safety concerns, the ability of the housing provider to access other funding (e.g. reserves) and the restoration of vacant units (which also adds pressure to levy supported operating subsidies).

11.0 GROWTH / ASSESSMENT CAPITAL

Hamilton's proportion of residential to non-residential assessment is approximately 88%-12% and is below the average of similar municipalities which have a non-residential assessment of approximately 16.5%. Commercial and industrial properties have a tax ratio higher than that of the residential class (2-4 times) and therefore growing the non-residential assessment base has not only benefits the City in terms of financial sustainability but also on job creation, improved socio-economic conditions and also provides the foundation for a community with a balanced live-work lifestyle.

Development Charges – Growth Planning and Financial Sustainability

As the City of Hamilton moves forward with its growth infrastructure plans, current policies must sustain the "Places to Grow" (PTG) growth patterns. The City's 2014 Development Charge (DC) By-law was based on 2006 Provincial forecasts which projected Hamilton's population to 660,000 by 2031.

On May 18, 2017, the Province released the updated Growth Plan for the Greater Golden Horseshoe. The amendment builds on the amendments made in 2013 which increased the 2031 population forecast to 680,000 and identified the 2041 population forecast to be 780,000. In May 2018, the Province released a land budget methodology to be used by all municipalities in allocating the 2041 employment and population forecasts based on the Growth Plan targets.

The City is in the process of completing the technical studies which are required to provide inputs into the land budget. The land budget will identify how population and employment growth to the year 2041 will be accommodated, and how much additional land is required to be added to the urban boundary to accommodate the 2041 growth. Through GRIDS 2, the City will identify the preferred growth option to accommodate this additional land need. This preferred growth option will inform the infrastructure masterplan updates.

To date, the City is falling short of the 2006 PTG projections used in the 2014 DC Background Study. To illustrate, the 2006 PTG had forecast that the City's population would reach approximately 565,000 by 2016 (linear assumption based on 540,000 by 2011 and 590,000 by 2021), yet the 2016 census shows that the City's population had only reached 537,000 (558,000 if adjusted for an undercoverage estimate of 4%; Statistics Canada will release net undercoverage rate in 2019).

Since the City is not experiencing growth at the rate envisioned under the Places to Grow Provincial Targets, the City has not collected enough DC revenues to fund the infrastructure according to the timelines considered in the plans.

In order to balance the growth revenue shortfalls with infrastructure requirements, the City has prioritized its growth infrastructure in a "Staging of Development Report". The Staging of

Development Report is an important tool to guide growth in an orderly manner by balancing the infrastructure needs with the costs of extending new servicing, co-ordinate growth infrastructure with development approvals and guides the pace of growth across the City. This program, which encompasses a financing strategy of limiting DC reserve exposure and debt financing of growth projects, will ensure that the City’s overall DC reserve balance is sustainable and that growth projects proceed in a thought out and systematic order.

The growth shortfall is not the only challenge around the financing of growth infrastructure. The City’s DC By-law provides for a number of Council directed exemptions. These exemptions, such as reduced non-residential rates and a reduction for properties located within the Downtown Community Improvement Project Area, are provided with the goal of acting as development incentives. The amounts exempted must be recouped through the tax and rate budgets and current funding levels are not sufficient to cover all the exemptions.

Tables 18 and 29 illustrate the development shortfalls in residential and non-residential growth and City forecasts going forward.

Table 18

Average Single Detached Unit Equivalent Construction City Versus Provincial Forecast (Places to Grow)				
	2018	2019	2020-2031	Total 2020-2031
City (Staff Budget) ^[1]	1,750	1,800	1,800	21,600
Places To Grow (2006)	2,566	2,566	2,567	30,805
Shortfall	816	766	767	9,205
Average Square Footage Non-Residential Construction, City versus Provincial Forecast (Places to Grow)				
	2018	2019	2020-2031	Total 2019-2031
City (Staff Budget) ^[1]	950,000	950,000	950,000	11,400,000
Places To Grow (2006)	2,048,700	2,048,700	2,048,700	24,584,400
Shortfall	1,098,700	1,098,700	1,098,700	13,184,400

[1] Note that staff budget figures may update annually based on available forecast data and reflect the constraints in place when planning future Capital requests

Table 19

City of Hamilton Development Activity		
Year	Single-Detached Unit Equivalent	Non-Residential (Sq.Ft.)
2013	1,513	1,025,991
2014	1,935	781,180
2015	1,711	564,569
2016	1,739	1,120,725
2017	1,575	1,591,734
5-year Average	1,695	1,016,840
2018 Projection	1,800	950,000
2019 Projection	1,800	950,000
2020 Projection	1,800	950,000

Table 20 summarizes the Capital Projects included in the 2019 Tax and Rates Capital Budget that are required to service growth. Note that while underground servicing is typically required pre-growth, the soft services projects are typically not justifiable until most or all of the anticipated growth has occurred.

Table 20

Tax & Rate Growth Projects 2019 (\$000's)	Gross	Net
(Funded in Whole or in Part by DCs)		
Waterdown - Burlington Road Upgrades	5,380	0
Barton Street Improvements Class EA (Stoney Creek)	220	176
RHBP - Nebo - Rymal to Twenty	150	22
Twenty Road Extension, Schedule C EA	120	0
First Road West - Green Mountain to Mud	4,160	624
Highway 8 Improvements Class EA (Stoney Creek)	220	90
Dickenson Road Class EA (Upper James to Southcote) (AEGD)	250	40
New Sidewalk Program	500	24
Fleet Additions - Roads O&M	200	71
Glancaster Road Class EA (Garner to Dickenson) (AEGD)	690	103
New Traffic Signal - Garner @ Hwy 6	400	20
New Traffic Signal - Dundas at Pamela/Riverwalk	230	10
New Traffic Signal - Dundas at Mallard Trail/Springcreek	230	10
Springbrook Ave (Phase 2) - Regan to Garner	1,500	225
Miller Drive urbanization - Anson to Garden	570	30
Fruitland Road By-pass - Barton to Hwy 8	5,280	792
City Share of Servicing Costs under Subdivision Agreements	3,000	0
Open Space Replacement Strategy-East Mtn Trail Loop	300	286
Confederation Park Redevelopment	2,364	237
Ancaster Meadows Park (Proposed)	650	65
Bookjans West Proposed Park (25T 200725) - Ancaster Glen	500	50
Equipment Acquisition (DC) Program	247	0
Red Hill Phase 3 and 4 Park	650	65
Stonechurch Road Trail Link @ Dartnall	150	8
Meadowlands Community Park	65	0
HRTMP Initiative 7-1 - Limeridge Mall Hydro Corridor Trail	138	7
HRTMP Initiative 15-12 Mountain Brow Road Link	43	2
HRTMP Initiative 15-7: Highway 5 - Mountain Brow Link	613	62
Pier 8 Sanitary PS & Forcemain	9,000	900
New Traffic Signal - Drakes @ North Service Rd	270	13
Parking Master Plan Consultant	200	0
Transfer Station/CRC Expansion & Capital Replacement	150	123
Diversion Container Replacement Program	880	841
Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program	278	235
City-Wide Water Master Plan	100	10
Upper Wentworth - South limit @ Hydro Corridor to Twenty	2,000	0
Freelton Well (FDF01) Capacity Increase	440	33
Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	1,550	420
PD16 (Waterdown) Trunk Feedermain - PS HD016 to Hwy 5 at Algonquin (W-25) (CAS	880	220
Centennial Secondary Plan - Servicing Study	100	10
PS HD019 (Binbrook) Capacity Upgrade (W-20)	220	0
Intensification Infrastructure Upgrades Program - Water	400	200
Binbrook Feedermain via Fletcher (W-30)	580	0
P.S. HD07A - New District 7 (Elfrida area) Pumping Station (W-21)	280	0
Woodward WWTP - Clean Harbour (CASH FLOWED)	64,531	0
Woodward WWTP - Biosolids Management Facility	250	190
City-Wide Wastewater Master Plan	100	10
Royal to Main/King Sanitary Sewer Upgrades (WW-22) (CASH FLOWED)	6,840	0
Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	10,500	0
Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	1,650	0
First Street (Waterdown Sanitary) PS Upgrade DC014	1,480	577
Flow Monitoring Program	350	180
Inflow & Infiltration Studies and Control Program	500	350
Woodward WWTP - Expansion (CASH FLOWED)	1,500	0
Centennial Secondary Plan - Servicing Study	100	10
Intensification Infrastructure Upgrades Program - Wastewater	400	200
City Wide GRIDS II Stormwater Master Plan	100	20
Lewis Rd Culvert - approximately 200m n/o Barton	200	0
Storm Water Management Program	4,000	0
RR56 and Swayze Road (Summit Park Phase 10 - 25T201309)	3,320	0
Roxborough Storm Outlet	950	0
SWMP - SM18 (Central Park)	3,630	0
SWMP - W1 (Waterdown Bay Phase 2)	3,400	0
SWMP - W3 (Waterdown Bay Phase 2)	4,000	0
SWMP - W4 (Waterdown Bay Phase 2)	7,600	0
SWMP - W5 (Waterdown Bay Phase 2)	3,860	0
Parkdale Outdoor Pool Redevelopment & Expansion	2,000	1,850
Greenville Recreation Centre/School	343	40
Valley Park Community Centre Fit-up	1,500	285
Parks North Yard at Bayfront Park	800	81
Binbrook Recreation Centre Feasibility	100	10
Mt. Hope New Recreation Facility	350	35
Winona Recreation Centre Feasibility (New)	150	15
Greater Flamborough/Carlisle/Waterdown - Shared Fire & Paramedic Station	1,500	0
Valley Park Library Expansion	1,100	440
New Library - Greenville	625	280
Community Planning Studies	100	69
Woodland Protection Strategy	175	18
Planning & Zoning Growth Area	525	0
3D Model Development	120	12
Digital Planning Applications	385	235
City Wide Employment Survey	100	0
Sub-Total DC Funded	175,282	10,931

The total amount of budgeted Development Charge revenue required for the 2019 Tax Capital Budget is \$32.4M and for the Rate Capital Budget is \$70.4M. Annual Development Charge revenues for 2019 are forecasted at approximately \$87M. To facilitate the growth, the City requires sizeable investment in up-front infrastructure and must incur considerable debt. The largest portion of this budget is in the Rate Supported Capital Program. This means that a significant part of the 2019 – 2028 growth program will be funded through debt and the debt charges repaid from future DC collections.

Of note, the City of Hamilton has a DC Funding Policy which requires that staff limit the amount of risk regarding the sustainability of the DC reserves. That is, growth projects will only be included in the proposed capital budget if the sustainability of the reserves is maintained. The impact of this policy is that some projects may be delayed when compared to their timing in the DC Background Study or infrastructure masterplans and debt financing may be required in order to maintain DC Reserve integrity. Staff will minimize the risk by ensuring that any growth-related debt principal and interest will be covered by future DC revenues.

Table 21 illustrates the amount of growth capital budgeted for in 2019. The budgeted expenditures are separated into two categories; one for infrastructure that services industrial development and one for non-industrial development (commercial and residential). In Table 21, there are proposed investments in the amount of \$22.5M dedicated towards industrial park servicing funded from DC Reserves.

Table 21

2019 Capital Budget Growth Capital		DC Funding (\$000's)
Industrial		
Rate	PD16 (Waterdown) Trunk Feedermain - PS HD016 to Hwy 5 at Algonquin (W-25) (CASH FLOWED)	660
Rate	Centennial Secondary Plan - Servicing Study	90
Rate	Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	10,500
Rate	Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	1,650
Rate	Woodward WWTP - Expansion (CASH FLOWED)	1,500
Rate	Lewis Rd Culvert - approximately 200m n/o Barton	200
Tax	Barton Street Improvements Class EA (Stoney Creek)	44
Tax	RHBP - Nebo - Rymal to Twenty	128
Tax	Twenty Road Extension, Schedule C EA	120
Tax	Highway 8 Improvements Class EA (Stoney Creek)	130
Tax	Dickenson Road Class EA (Upper James to Southcote) (AEGD)	210
Tax	Glancaster Road Class EA (Garner to Dickenson) (AEGD)	587
Tax	New Traffic Signal - Garner @ Hwy 6	380
Tax	Springbrook Ave (Phase 2) - Regan to Garner	1,275
Tax	Miller Drive urbanization - Anson to Garden	540
Tax	Fruitland Road By-pass - Barton to Hwy 8	4,488
Total Industrial Projects		22,502
Non-Industrial		
Rate	Water	4,907
Rate	Wasterwater	20,102
Rate	Storm Water	30,840
Tax	Services Related to a Highway	10,218
Tax	Open Space Development	4,931
Tax	Recreation	2,927
Tax	Library	2,190
Tax	Other	4,237
Total Non-Industrial Projects		80,352
TOTAL TAX DC BUDGET		32,405
TOTAL RATE DC BUDGET		70,449
TOTAL ALL		102,854

DEVELOPMENT CHARGE RESERVES

The overall DC Reserves balance is forecasted to be \$158M as illustrated in Table 22. This balance reflects PSAB standards and does not account for the DC Project spending that has been approved but not yet incurred or DC funding that is planned to be debt funded but not yet issued. Of note is that a significant portion of the budgeted DC funding for the 2019 Capital Program is \$102.8M (Table 21) is planned to be financed through debt.

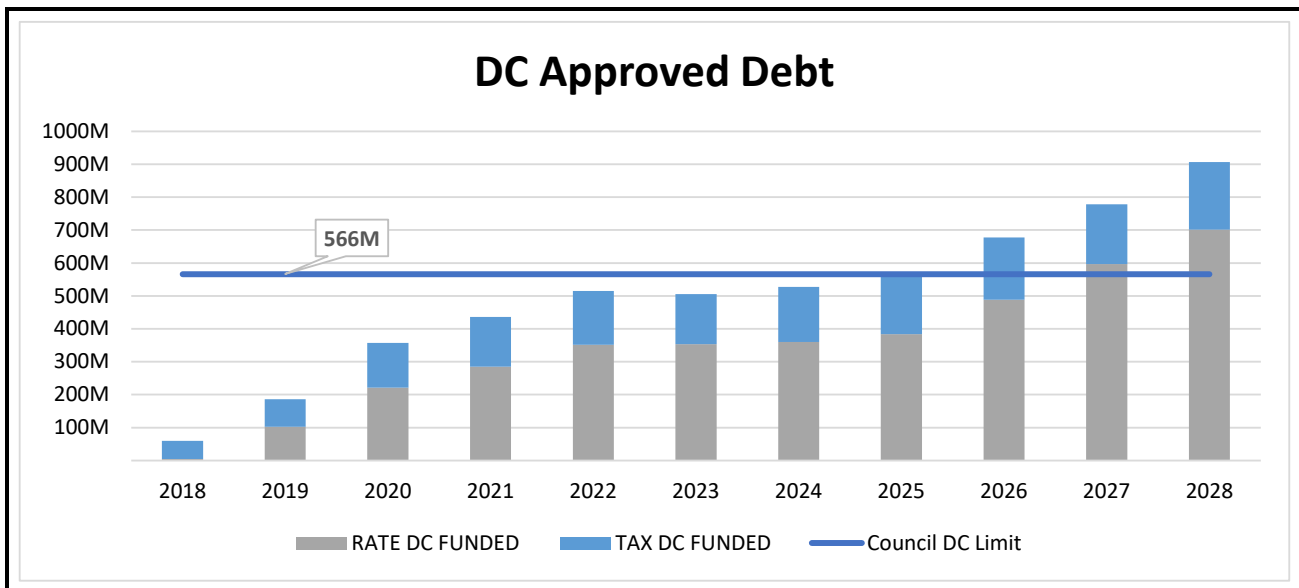
Table 22

2018 DC Reservec Forecast (Jan 01 - Dec 31)	Opening Balance (\$000s)	Collections* (\$000s)	Payments (\$000s)	Ending Balance (\$000s)
Water	35,880	9,625	(22,709)	22,795
Wastewater Plant	61,875	8,811	-	70,686
Wastewater Linear	39,794	11,120	(20,991)	29,923
Stormwater	25,061	12,716	(15,270)	22,507
Roads	(2,750)	28,198	(18,357)	7,091
Community Services	9,243	7,169	(7,483)	8,930
Planning-Development	(2,448)	1,942	(1,299)	(1,805)
Parks Development	(3,062)	2,373	(1,887)	(2,577)
Hamilton Emergency Services	493	1,712	(782)	1,423
Transit	115	934	(1,814)	(764)
Total	164,202	84,600	(90,593)	158,208

* includes funding for exemptions

Note that "Waterdown Fees" have been removed from this chart versus prior years - the OPA 28 Fee is collected via subdivision agreements, not the DC By-law

Note that this table excludes developer recoveries which are included in the Development Charge totals in Table 24



The above chart forecasts the City’s DC Debt levels which rise significantly as major roads, wastewater plant expansion, linear water/wastewater major trunks are forecast to be built,

financed by debt and paid by rising DC revenues (assuming the City meets the Province's "Places to Grow" development forecasts). The \$566M DC Debt Limit approved by Council is based on 25% of the total of growth infrastructure \$'s outstanding till the end of 2031. Staff will be examining the validity of this measure compared to a DC Revenue based measure.

12.0 RESERVES / RESERVE FUND FINANCING

The City's Performance Audit Report 2017-01 stated that "Hamilton's Reserve balances on a per capita basis were the second highest in the seven major Canadian Municipalities reviewed". Reserves are a key fiscal management tool used by most large Cities in Canada. Reserves are utilized to respond to uneven and unpredictable revenues and expenditures. Reserves allow for the accumulation of funds over time for future funding of large capital and other one-time expenditures. Unexpected one-time revenues such as grants or surpluses can also be set aside in reserves and used for a specified purpose or held to provide financial resiliency should unexpected events occur. The use of reserves can smooth tax and rate payers' burden, moderating tax and rate increases. Holding adequate reserves contributes to a City's sustainability as it provides a measure of financial flexibility to react to unexpected budget shortfalls or significant unexpected issues or events. A planned approach to the use of reserves is considered good financial management.

Reserves provide flexibility against uncertainties, which inevitably arise in today's changing municipal environment, reducing the risk to taxpayers in the future. The City of Hamilton has reserves totalling approximately \$819M projected as at December 31, 2018. Table 24 illustrates the City's reserve history for the period 2016 – 2017 and specific reserve projections which fund the Tax Supported Capital program for the next 5 years.

An analysis of Table 23 highlights the following trends:

1. The City's Capital reserves, which fund the City's capital program, decrease from \$334M in 2017 to a projected balance of \$292M in 2018. The Capital reserves balances are projected to increase over the next 5 years (2018 – 2022) from \$292M to \$344M. The Tax Supported Capital Reserves remain relatively stable over this period. The City's Unallocated Capital Reserve is at \$38M, \$12M over it's targeted balance of \$26M.
2. The total reserve and reserve funds position for the City of Hamilton decreases from \$994M in 2017 to a forecast of \$787M in 2022. The decrease in the reserves is due to the following:
 - There is a declining balance of the City's Rate Reserves due to required significant capital investments. Based on the funding commitments to date, this group of reserves is expected to reach a low of \$63M in 2021 from its 2018 projected balance of \$261M. These balances do not include the dedicated Wastewater Subsidy Reserve or the Meter Replacement Reserve. Staff will carefully monitor all Rate reserves.
 - The Subsidy Reserve (Provincial Contribution – WTP Upgrades) declines from 2017 \$116M to a zero balance in 2021. This is due to the expenditure schedule of the Water Treatment Plant upgrades which requires the Reserve be exhausted by 2021.

- The Tax Stabilization Reserve at \$11.5M is \$23M below it's targeted balance of \$34.5M.

Table 23

THE CITY OF HAMILTON RESERVE FORECAST 2016 - 2022 (\$ 000's) (Dec.31)							
YEAR	Actual Balances December 31		Projected Balances December 31				
	2016	2017	2018	2019	2020	2021	2022
CAPITAL RESERVES							
DEVELOPMENT CHARGES	127,959	158,996	145,037	114,978	113,051	117,766	124,491
EQUIPMENT REPLACEMENT	15,409	16,009	15,257	15,574	15,288	16,295	15,340
VEHICLE REPLACEMENT	37,466	38,197	35,917	34,484	27,096	23,763	27,392
CAPITAL LEVY RESERVE-UNALLOCATED	25,006	25,828	38,166	36,657	34,710	35,237	35,425
CAPITAL RESERVES - ALLOCATED	23,345	20,860	19,788	32,817	48,169	64,657	79,932
GAS TAX RESERVES	35,040	38,611	16,788	17,554	22,334	20,215	18,099
PARKLAND RESERVES	32,493	35,235	20,949	19,867	27,864	35,685	43,686
TOTAL CAPITAL RESERVES	296,718	333,735	291,902	271,931	288,511	313,618	344,366
NON- TAX CAPITAL RESERVES							
TAX STABILIZATION	18,427	37,508	11,631	10,691	10,937	11,188	11,446
WORKING FUND RESERVES	90,053	92,235	71,949	76,722	81,626	86,695	89,978
EMPLOYEE BENEFIT / ANCILLARY	96,540	97,214	95,703	94,518	97,727	99,257	100,888
BUILDING PERMIT STABILIZATION RESERVE	17,671	19,284	18,590	17,703	16,795	15,866	16,231
PROGRAM SPECIFIC RESERVES	98,800	109,127	82,872	75,068	75,499	62,825	66,667
RATE RESERVES	241,494	260,983	199,004	142,473	92,229	88,742	89,885
RESERVES CLOSED IN PRIOR YEAR	714						
TOTAL NON- TAX CAPITAL RESERVES	563,698	616,351	479,748	417,174	374,814	364,573	375,094
TOTAL RESERVES BEFORE FUTURE FUND	860,416	950,086	771,650	689,105	663,325	678,192	719,460
FUTURE FUND RESERVES							
HAMILTON FUTURE FUND A	37,912	39,641	43,375	49,169	54,575	59,294	65,441
HAMILTON FUTURE FUND B	5,167	4,681	4,283	3,876	3,459	3,033	2,597
TOTAL FUTURE FUND RESERVES	43,079	44,322	47,658	53,045	58,035	62,327	68,038
TOTAL ALL RESERVES	903,496	994,408	819,308	742,150	721,360	740,519	787,499

Reserve Funds have been established either through legislation or by Council to be used for specific future liabilities. The reserve amounts available to fund tax supported capital in future years will vary depending upon operating transfers, senior level government funding and the financing implications of large, multi-year capital projects. Staff will continually review existing reserve and reserve fund balances and make appropriate recommendations to Council during the annual capital budget process.

13.0 HAMILTON FUTURE FUNDS

The funds received from Hamilton Utilities Corp. were initially segregated into two reserve accounts:

Hamilton Future Fund A	\$100,000,000
Hamilton Future Fund B	\$ 37,430,705

For the purposes of this budget report, only Future Fund A will be examined. Council and the HFF Board have approved an internal loan from Fund A to the City in the total amount of \$100M whose disbursement is tied to annual planned waste management and roads expenditures. Refer to Table 24 for Fund A’s 5-year projected balances. Fund A was established as a permanent fund to be protected and invested for five years; thus providing a permanent source of funding.

Table 24

HAMILTON FUTURE FUND A							
(\$ 000's)							
	Actual	Projected					
	2016	2017	2018	2019	2020	2021	2022
Opening Asset Value	28,809	35,550	38,758	44,638	50,694	56,417	61,526
Revenues	3.0%						
Investment Income	759	1,022	1,163	1,339	1,521	1,692	1,846
Loan Repayment (P&I) - COH	7,991	8,266	8,717	8,717	8,202	7,417	4,722
Loan Rpymt. (P&I) - Good Shepherd	824	920					
Expenditures							
Loans to Fund Capital - COH	(2,833)	(3,000)					
Poverty Reduction (\$20M)		(4,000)	(4,000)	(4,000)	(4,000)	(4,000)	
Balance (Cash & Investments)	35,550	38,758	44,638	50,694	56,417	61,526	68,094
Outstanding Loans Receivable							
COH - to Fund Capital	49,830	48,241	41,165	33,832	26,747	20,198	16,108
Good Shepherd	900	-	-	-	-	-	-
Total Asset Value	86,280	86,999	85,803	84,526	83,163	81,724	84,202
* The \$10 million for purchase of the West Harbour lands and \$10 million for the McMaster Health Campus is to be repaid to the Hamilton Future Fund with the net proceeds from sale of West Harbour lands. (Approvals: West Harbour Jan. 31, 2011 Council; McMaster Health - Aug. 11, 2011 Council)							
The \$20 million in repayments are not reflected in the forecast above, as it is not known when the land sales may occur.							

14.0 CONCLUSION

The efficient management of Municipal Infrastructure has significantly evolved over the last 30 years. The Province’s Municipal Asset Management requirements will in the future require accountability from Council and staff with regards to infrastructure service levels, sustainable infrastructure rehabilitation expenditure amounts and forecast municipal capital funding plans.

Staff's proposed 2019 Tax Supported Capital Budget and 2020-2028 Capital Forecast are a continuation of a solid long-term plan to maximize own source capital funding and take advantage of partnerships with senior levels of government (transit and housing). Elements of this plan include the following:

1. A 0.5% tax increase dedicated to the Capital Levy annually to support regular Capital Repair and Rehabilitation. This actually increases the Capital Levy by approximately 4% per year and would add \$262M more capital over a 10-year period versus a 0% increase annually.
2. An additional property tax increase to cover the debt charges associated with the City's share of the PTIF Program. This would include incremental increases of 0.02% in 2019, 0.27% in 2020, 0.47% in 2021 and 0.47% in 2022.
3. An additional property tax increase to cover the debt charges associated with the City's West Harbour Development. This would include incremental increases of 0.13% in 2020, 0.04% in 2021, 0.06% in 2023 and 0.25% in 2025.
4. Increase roads discretionary funding to a construction cost inflationary net block-funding level with a Council-endorsed emphasis on the rehabilitation of local roads.
5. Focus on funding for the West Harbour and Waterfront Strategic Initiatives.
6. Investment in strategic capital areas, including Transit, Affordable Housing, Waste Management, Park Development, and others.
7. Ensure that debt levels are sustainable. This can be accomplished by ensuring that the City has an efficient Works-In-Progress Capital Turn-around process thereby freeing up funds which are not in use. The City's projected long-term budgeted tax supported debt levels top at \$509M in 2022 and stabilize, lowering back down to \$453M in 2028. This can be achieved by carefully examining each major project with a proper cost/benefit approach, deferring when necessary until debt capacity is freed-up.

The City has a \$3.7B infrastructure deficit backlog through all program areas and an annual infrastructure deficit of approximately \$195M. The City cannot tackle this problem on its own and will require significant support from senior levels of government. To date, senior levels of government have provided significant funding support for Transit, Social Housing, Water and Wastewater infrastructure for which there is great need at the municipal level. However, the City has significant deficiencies in its roads and facilities infrastructure. Senior level of government support is lagging in these areas and the City must increase its own funding for capital rehabilitation in order to slow the deterioration of its infrastructure.

With the emergence of current and for the foreseeable future, large budget deficits, the ability of senior levels of government to continue to significantly assist municipalities will be severely diminished. Therefore, the City must maximize its own source funding, keep improving relations with the senior levels of government for additional infrastructure repair subsidies and strategically direct these funds to priority programs.

APPENDIX “2”

2019 CAPITAL FINANCING

FOR PROJECTS

INCLUDED IN FINANCING PLAN

City of Hamilton
Tax Capital Budget
2019 Project List
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources				
													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
City Manager																	
City Manager																	
City Wide	3381959501	Digital Office: Smart City and Digital Transformation Program		1,000	-	-	-	-	-	-	-	1,000	1,000	-	-	-	
City Wide	3381959502	City Hall Digital Sign Replacement		125	-	-	-	-	-	-	-	125	125	-	-	-	
City Manager Total:				1,125	-	-	-	-	-	-	-	1,125	1,125	-	-	-	
Human Resources																	
	2051959703	Performance and Learning Management System		250	-	-	-	-	-	-	-	250	250	-	-	-	
Human Resources Total:				250	-	-	-	-	-	-	-	250	250	-	-	-	
City Manager Total:				1,375	-	-	-	-	-	-	-	1,375	1,375	-	-	-	
Corporate Services																	
Customer Service & POA																	
City Wide	2051957901	Corporate Wide Customer Experience Feedback Program		286	-	-	-	-	-	-	-	286	286	-	-	-	
Customer Service & POA Total:				286	-	-	-	-	-	-	-	286	286	-	-	-	
Finance																	
City Wide	2051580510	DC Exemptions Recovery		6,500	-	-	-	-	-	-	-	6,500	6,500	-	-	-	
Finance Total:				6,500	-	-	-	-	-	-	-	6,500	6,500	-	-	-	
Information Technology (IT)																	
City Wide	3501757702	Network Infrastructure Sustainability and Continuous Improvement		194	-	-	-	-	-	-	-	194	194	-	-	-	
City Wide	3501857801	IT Strategy and Enterprise Architecture		390	-	-	-	-	-	-	-	390	390	-	-	-	
City Wide	3505719909	IT Strategy - Strategic Theme Integrated & Connected		50	-	-	-	-	-	-	-	50	50	-	-	-	
City Wide	3501857806	Data Centre HVAC		200	-	-	-	-	-	-	-	200	200	-	-	-	
City Wide	3501657602	IT Security		156	-	-	-	-	-	-	-	156	156	-	-	-	
City Wide	3501957903	IT Strategy - Strategic Theme Mobility		50	-	-	-	25	-	-	-	25	25	-	-	-	
City Wide	3501957905	IT Strategy - Strategic Theme Enabling Our People		600	-	-	-	-	-	-	-	600	600	-	-	-	
City Wide	3501957906	IT Strategy - Strategic Theme IT Optimization		100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	3505719907	Business Systems and Services Continuity Plan		100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	3505719910	Messaging (Email) Platform Migration		596	-	-	-	596	-	-	-	-	-	-	-	-	
Information Technology (IT) Total:				2,436	-	-	-	621	-	-	-	1,815	1,815	-	-	-	
Corporate Services Total:				9,222	-	-	-	621	-	-	-	8,601	8,601	-	-	-	
Council Initiatives																	
Council Strategic Projects																	
City Wide	2110953900	Randle Reef Rehabilitation Project		375	-	-	-	-	-	-	-	375	375	-	-	-	
City Wide	2111956401	Parkland Acquisition		1,500	-	-	-	-	-	-	-	1,500	1,500	-	-	-	
Council Strategic Projects Total:				1,875	-	-	-	-	-	-	-	1,875	1,875	-	-	-	
Council Initiatives Total:				1,875	-	-	-	-	-	-	-	1,875	1,875	-	-	-	

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2019 Project List
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources				
													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
<u>Healthy and Safe Communities</u>																	
Hamilton Fire Department																	
City Wide	7401941603	Multi Agency Training Centre - Facility Upgrades		250	-	-	-	-	-	-	-	250	250	-	-	-	
2	7401941606	Station 13 Renovation		100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	7401951600	Annual Fire Equipment Replacement		1,268	-	-	-	1,268	-	-	-	-	-	-	-	-	
City Wide	7401951602	Ice Water Rescue		200	-	-	-	-	-	-	-	200	200	-	-	-	
15	7401841801	Greater Flamborough/Carlisle/Waterdown - Shared Fire & Paramedic Station (DC Debt)	*	1,500	-	-	1,500	-	-	-	-	-	-	-	-	-	
City Wide	7401951601	Annual Fire Vehicle Replacement		5,405	-	-	-	5,405	-	-	-	-	-	-	-	-	
Hamilton Fire Department Total:				8,723	-	-	1,500	6,673	-	-	-	550	550	-	-	-	
Hamilton Paramedic Service																	
City Wide	7641951101	Annual Paramedic Service Equipment Replacement		265	-	-	-	265	-	-	-	-	-	-	-	-	
City Wide	7641951102	Paramedic Helmet Replacement		172	-	-	-	-	-	-	-	172	172	-	-	-	
City Wide	7641951100	Annual Paramedic Service Vehicle Replacement		1,269	-	-	-	1,269	-	-	-	-	-	-	-	-	
City Wide	7641951103	Ambulance Enhancement		260	-	-	-	-	-	-	-	260	260	-	-	-	
Hamilton Paramedic Service Total:				1,966	-	-	-	1,534	-	-	-	432	432	-	-	-	
Healthy and Safe Communities- Other Divisions																	
	2051255204	Neighbourhood Strategy		235	-	-	-	-	-	235	-	-	-	-	-	-	
City Wide	6501941100	Human Services Integration - Continuous Improvement Projects		160	-	-	-	-	-	-	-	160	160	-	-	-	
City Wide	6731641601	Hamilton's Community Bed Bug Strategy		158	-	-	-	-	-	-	-	158	158	-	-	-	
Healthy and Safe Communities- Other Divisions Total:				553	-	-	-	-	-	235	-	318	318	-	-	-	
Housing Services																	
City Wide	6731741609	Poverty Reduction Investment (PRI) - Affordable Rental Housing Construction		4,000	-	-	-	-	-	-	-	4,000	-	-	-	4,000	
City Wide	6731841610	Poverty Reduction Investment (PRI) - Indigenous Poverty Reduction		1,000	-	-	-	-	-	-	-	1,000	-	-	-	1,000	
City Wide	6731841611	Poverty Reduction Investment (PRI) - Social Housing Repairs & Renovations		2,000	-	-	-	-	-	-	-	2,000	-	-	-	2,000	
City Wide	6731941302	Social Housing Capital Repairs and Regeneration		500	-	-	-	-	-	-	-	500	500	-	-	-	
Housing Services Total:				7,500	-	-	-	-	-	-	-	7,500	500	-	-	7,000	
Long Term Care Homes																	
City Wide	6301841001	ML - Roof Replacement		753	-	-	-	253	-	-	-	500	500	-	-	-	
City Wide	6301841801	WL - 1989 Wing Roof Replacement		332	-	-	-	332	-	-	-	-	-	-	-	-	
City Wide	6301841802	ML - D Wing- Refurbishment		60	-	-	-	60	-	-	-	-	-	-	-	-	
City Wide	6301941001	WL - Main Entrance Redesign		50	-	-	-	50	-	-	-	-	-	-	-	-	
City Wide	6301941002	WL - Dish Room/Physio & Salon Exhaust & Supply		25	-	-	-	25	-	-	-	-	-	-	-	-	
City Wide	6301941003	WL - Radiant Heating Panel/Thermostat Controls		25	-	-	-	25	-	-	-	-	-	-	-	-	
City Wide	6301941006	WL - Served Retrofit (Cabinet and Counter Replacement)		30	-	-	-	30	-	-	-	-	-	-	-	-	
City Wide	6301951002	ML & WL - Annual Resident Care Equipment Replacement		80	-	-	-	80	-	-	-	-	-	-	-	-	

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City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources					
													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends		
City Wide	6301951005	ML - Rooftop Unit (HVAC) Replacement		80	-	-	-	80	-	-	-	-	-	-	-	-	-	
Long Term Care Homes Total:				1,435	-	-	-	935	-	-	-	500	500	-	-	-	-	
Healthy and Safe Communities Total:				20,177	-	-	1,500	9,142	-	235	-	9,300	2,300	-	-	-	7,000	
Outside Boards & Agencies																		
CityHousing Hamilton																		
City Wide	6181941602	City Housing Contribution		500	-	-	-	-	-	-	-	500	500	-	-	-	-	
CityHousing Hamilton Total:				500	-	-	-	-	-	-	-	500	500	-	-	-	-	
H.C.A. & Westfield Heritage Village																		
City Wide	3801956100	Hamilton Conservation Authority Critical and Safety Projects		1,850	-	-	-	-	-	-	-	1,850	-	-	-	-	1,850	
City Wide	3801958902	Westfield Heritage Village - Critical and/or Safety Projects		150	-	-	-	-	-	-	-	150	-	-	-	-	150	
H.C.A. & Westfield Heritage Village Total:				2,000	-	-	-	-	-	-	-	2,000	-	-	-	-	2,000	
Hamilton Beach Rescue (HBRU)																		
City Wide	2861951700	HBRU Renovations & Equipment Purchases		70	-	-	-	70	-	-	-	-	-	-	-	-	-	
Hamilton Beach Rescue (HBRU) Total:				70	-	-	-	70	-	-	-	-	-	-	-	-	-	-
Hamilton Public Library																		
14	7501741610	New Library - Greensville		625	-	-	250	95	-	-	-	280	280	-	-	-	-	
9	7501741601	Valley Park Library Expansion (DC Debt \$120)	*	1,100	-	-	440	220	-	-	-	440	440	-	-	-	-	
Hamilton Public Library Total:				1,725	-	-	690	315	-	-	-	720	720	-	-	-	-	
Police Services																		
City Wide	3761957805	Police Computer Aided Dispatch (CAD) Upgrade		400	-	-	-	-	-	-	-	400	400	-	-	-	-	
Police Services Total:				400	-	-	-	-	-	-	-	400	400	-	-	-	-	
Outside Boards & Agencies Total:				4,695	-	-	690	385	-	-	-	3,620	1,620	-	-	-	2,000	
Planning & Economic Development																		
Economic Development																		
City Wide	3621708900	Economic Development Initiatives		765	-	-	-	-	-	-	-	765	765	-	-	-	-	
Economic Development Total:				765	-	-	-	-	-	-	-	765	765	-	-	-	-	
Growth Management																		
City Wide	4141946100	City Share of Servicing Costs under Subdivision Agreements		3,000	-	-	3,000	-	-	-	-	-	-	-	-	-	-	
Growth Management Total:				3,000	-	-	3,000	-	-	-	-	-	-	-	-	-	-	
Licensing & By-Law Services																		
City Wide	4501955900	Digital Signage Strategy		90	-	-	-	-	-	-	-	90	90	-	-	-	-	
City Wide	4501957900	Handheld Ticketing Device-System Integration		200	-	-	-	-	-	100	-	100	100	-	-	-	-	
City Wide	4501951900	Vehicle Purchases - Licensing		90	-	90	-	-	-	-	-	-	-	-	-	-	-	
Licensing & By-Law Services Total:				380	-	90	-	-	-	100	-	190	190	-	-	-	-	
Parking Services																		
City Wide	4901957900	Online Parking Permitting Module		100	-	-	-	100	-	-	-	-	-	-	-	-	-	
City Wide	4901445100	Parking Lots - Surface Repairs		100	-	-	-	100	-	-	-	-	-	-	-	-	-	

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2019 Project List
(000's)

City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources				
													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
City Wide	4901945900	Waterproofing Membrane Replacement - Convention Centre Parking Garage		50	-	-	-	50	-	-	-	-	-	-	-	-	-
City Wide	4901751700	Parking Payment Equipment		100	-	-	-	100	-	-	-	-	-	-	-	-	-
City Wide	4901957901	Pay-on-Foot System Replacement - York Blvd Parkade and Convention Centre Parking Garage		550	-	-	-	550	-	-	-	-	-	-	-	-	-
2	4501941900	Parking Control Squad Room		30	-	-	-	30	-	-	-	-	-	-	-	-	-
City Wide	4901955900	Parking Master Plan Consultant		200	-	-	135	65	-	-	-	-	-	-	-	-	-
Parking Services Total:				1,130	-	-	135	995	-	-	-	-	-	-	-	-	-
Planning Services																	
City Wide	8121957900	3D Model Development		120	-	-	108	-	-	-	-	12	12	-	-	-	-
City Wide	8121957901	Digital Planning Applications		385	-	-	135	-	-	-	-	250	250	-	-	-	-
City Wide	8120955900	Community Planning Studies		100	-	-	31	-	-	-	-	69	69	-	-	-	-
City Wide	8121255620	Part IV Designation of Properties under the Ontario Heritage Act		31	-	-	-	-	-	-	-	31	31	-	-	-	-
City Wide	8121755700	Woodland Protection Strategy		175	-	-	157	-	-	-	-	18	18	-	-	-	-
City Wide	8121755706	Planning & Zoning Growth Area		525	-	-	472	-	-	-	-	53	53	-	-	-	-
City Wide	8141655600	City Wide Employment Survey		100	-	-	90	-	-	-	-	10	10	-	-	-	-
Planning Services Total:				1,436	-	-	993	-	-	-	-	443	443	-	-	-	-
Tourism & Culture																	
2	7201841803	St. Mark's Interior Restoration		1,000	-	-	-	-	-	-	-	1,000	1,000	-	-	-	-
City Wide	7201858802	Art and Monuments		55	-	-	-	-	-	-	-	55	55	-	-	-	-
9	7101741707	Battlefield Barn Restoration		500	-	-	-	500	-	-	-	-	-	-	-	-	-
City Wide	7201658600	Collections Registration Preservation Project		55	-	-	-	-	-	-	-	55	55	-	-	-	-
City Wide	7201941903	Gage House Porch and Exterior Cladding		440	-	-	-	-	-	-	-	440	440	-	-	-	-
City Wide	7201941905	Dundurn Coachhouse Interior Improvements		92	-	-	-	-	-	-	92	-	-	-	-	-	-
4	7201958904	Steam Museum Landscape Restoration		152	-	-	-	-	-	-	-	152	152	-	-	-	-
Tourism & Culture Total:				2,294	-	-	-	500	-	-	92	1,702	1,702	-	-	-	-
Urban Renewal																	
City Wide	8201703706	Community Downtowns and BIAs		224	-	-	-	-	-	-	-	224	224	-	-	-	-
City Wide	3621708002	Brownfield Development		200	-	-	-	-	-	-	-	200	200	-	-	-	-
City Wide	8201641800	Heritage Property Improvement Grants		870	-	-	-	-	-	-	-	870	870	-	-	-	-
2, 3, 4	8201703700	Barton/Kenilworth Commercial Corridor Building Grant Program		200	-	-	-	-	-	-	-	200	200	-	-	-	-
2, 3, 4	8201703701	Barton and Kenilworth Rebate of Planning and Building Fees		100	-	-	-	-	-	-	-	100	100	-	-	-	-
City Wide	8201703703	(BIA) Commercial Property Improvement Grant Program		406	-	-	-	-	-	-	-	406	406	-	-	-	-
City Wide	8201703704	Commercial Property Improvement Grant Program		210	-	-	-	-	-	-	-	210	210	-	-	-	-
Urban Renewal Total:				2,210	-	-	-	-	-	-	-	2,210	2,210	-	-	-	-
Planning & Economic Development Total:				11,215	-	90	4,128	1,495	-	100	92	5,310	5,310	-	-	-	-

**Public Works Tax Funded
Corporate Facilities**

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City Ward	Project Number	Project Description	DC Debt	Gross Costs	Grants And Subsidies	Other External Revenue	Dev Charges (Inc Debt)	Reserves	WIP Reserves	WIP Other / Other Internal	WIP Debt	Net Cost	Financing Sources				
													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
City Wide	3541849003	Backflow Prevention for Various Facilities		250	-	-	-	-	-	-	-	250	250	-	-	-	
2	3541941901	Capital Lifecycle Renewal - Hamilton Farmer's Market		550	-	-	-	-	-	-	-	550	550	-	-	-	
10	3541941910	Stoney Creek City Hall -RCMP Lease Capital Replacement		210	-	-	-	210	-	-	-	-	-	-	-	-	
2	3541741603	Central Library Window Replacement		1,200	-	-	-	-	-	500	-	700	700	-	-	-	
City Wide	3541941409	Program - Facilities Code & Legislative Compliance		650	-	-	-	-	-	-	-	650	650	-	-	-	
City Wide	3541941412	Program - Roof Management		800	-	-	-	-	-	-	-	800	800	-	-	-	
City Wide	3541941532	Program - Facility Capital Maintenance		450	-	-	-	-	-	-	-	450	450	-	-	-	
City Wide	3541941631	Program - Facilities Security		150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	3541951900	Generator Compliance Testing and Upgrades		110	-	-	-	-	-	-	-	110	110	-	-	-	
City Wide	3541941013	Program - Firestations Facility Upgrade		300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	3541941648	Program - Parking Lot Rehabilitation		600	-	-	-	-	-	-	-	600	600	-	-	-	
City Wide	3541955001	Program Yard Capital Renewal		300	-	-	-	-	-	-	-	300	300	-	-	-	
Corporate Facilities Total:				5,570	-	-	-	210	-	500	-	4,860	4,860	-	-	-	
Energy Initiatives																	
City Wide	7901941900	Traffic Operations Centre - LED lighting Upgrade		60	-	-	-	60	-	-	-	-	-	-	-	-	
City Wide	7901941901	Wentworth Operations Centre - LED Lighting Systems Upgrade (Interior)		30	-	-	-	30	-	-	-	-	-	-	-	-	
City Wide	7901941902	Lister Block - LED Lighting Upgrade		125	-	-	-	125	-	-	-	-	-	-	-	-	
City Wide	7901949000	Solar Wall - Norman Pinky Lewis Recreation Centre		117	-	-	-	117	-	-	-	-	-	-	-	-	
Energy Initiatives Total:				332	-	-	-	332	-	-	-	-	-	-	-	-	
Entertainment Facilities																	
2	3721841801	Program FirstOntario Concert Hall Replacements and Renovations		100	-	100	-	-	-	-	-	-	-	-	-	-	
2	3721941805	Program HCC, FOCH & FOC Lifecycle Renewal		539	-	-	-	-	-	-	-	539	539	-	-	-	
2	3721949902	Expansion Joint Replacement Commonwealth Square		250	83	-	-	83	-	-	-	84	84	-	-	-	
2	3721949901	Summer's Lane Structural Rehab & Pedestrianization		1,950	-	-	-	350	-	1,423	-	177	177	-	-	-	
Entertainment Facilities Total:				2,839	83	100	-	433	-	1,423	-	800	800	-	-	-	
Fleet Services																	
City Wide	4941951001	Shop Equipment Replacement		165	-	-	-	165	-	-	-	-	-	-	-	-	
City Wide	4941951004	Street Sweeper Purchase		730	-	-	-	730	-	-	-	-	-	-	-	-	
City Wide	4941951100	Fleet Vehicle&Equipment Replace Program		9,230	-	-	-	9,230	-	-	-	-	-	-	-	-	
Fleet Services Total:				10,125	-	-	-	10,125	-	-	-	-	-	-	-	-	
Forestry & Horticulture																	
City Wide	4451153001	Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)		2,600	-	-	-	-	-	-	-	2,600	2,600	-	-	-	
City Wide	4451853701	Gypsy Moth Monitoring and Management		550	-	-	-	550	-	-	-	-	-	-	-	-	
City Wide	4451953444	Tree Planting Program		1,345	-	-	-	-	-	-	-	1,345	1,345	-	-	-	
Forestry & Horticulture Total:				4,495	-	-	-	550	-	-	-	3,945	3,945	-	-	-	
O & M - Parks & Cemeteries																	
City Wide	4401949007	Cemetery Columbarium		70	-	-	-	70	-	-	-	-	-	-	-	-	

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends
City Wide	4401941001	Cemetery Building Repairs		115	-	-	-	-	-	-	-	115	115	-	-	-
City Wide	4401949107	Park Fencing Program		118	-	-	-	-	-	-	-	118	118	-	-	-
City Wide	4401949104	Park Sports/Security Lighting Upgrade Program		60	-	-	-	-	-	-	-	60	60	-	-	-
City Wide	4401949510	Spraypad Infrastructure Rehabilitation Program		70	-	-	-	-	-	-	-	70	70	-	-	-
City Wide	4401952600	Playground Lifecycle Replacement Program		400	-	-	-	200	-	-	-	200	200	-	-	-
City Wide	4401956001	Leash free Dog Park Program		80	-	-	-	80	-	-	-	-	-	-	-	-
City Wide	7201941902	Battlefield Park Bridge Replacement		500	-	-	-	-	-	-	-	500	500	-	-	-
City Wide	4401951601	Equipment Acquisition (DC) Program		247	-	-	247	-	-	-	-	-	-	-	-	-
City Wide	4401951700	Small Equipment Replacement (Reserve) Program		80	-	-	-	80	-	-	-	-	-	-	-	-
5	4401951903	Confederation Beach Park - Capital Maintenance Program		175	-	-	-	175	-	-	-	-	-	-	-	-
City Wide	4401949101	Park Pathway Resurfacing Program		215	-	-	-	-	-	-	-	215	215	-	-	-
15	4401955901	Memorial Park Storm Water Management Study		90	-	-	-	90	-	-	-	-	-	-	-	-
City Wide	4401952100	CSA Safety Material Replacement Program		175	-	-	-	25	-	-	-	150	150	-	-	-
City Wide	4401911601	Cemetery Roads Rehabilitation Program		100	-	-	-	-	-	-	-	100	100	-	-	-
City Wide	4401949504	Parkland Identification and Way Finding Signage		20	-	-	-	-	-	-	-	20	20	-	-	-
City Wide	4401954699	Tennis and Multi -use Court Rehabilitation Program		100	-	-	-	-	-	-	-	100	100	-	-	-
City Wide	4401955800	QC/CA - Parks and Cemeteries Material Testing		10	-	-	-	-	-	-	-	10	10	-	-	-
O & M - Parks & Cemeteries Total:				2,625	-	-	247	720	-	-	-	1,658	1,658	-	-	-
Open Space Development																
6, 9	4401056060	Open Space Replacement Strategy-East Mtn Trail Loop		300	-	-	14	-	-	-	-	286	286	-	-	-
5	4401356801	Confederation Park Redevelopment (DC Debt \$675)	*	2,364	-	-	2,127	-	-	-	-	237	237	-	-	-
12	4401756718	Ancaster Meadows Park (Proposed)		650	-	-	585	-	-	-	-	65	65	-	-	-
12	4401856806	Bookjans West Proposed Park (25T 200725) - Ancaster Glen		500	-	-	450	-	-	-	-	50	50	-	-	-
City Wide	4401955600	Parks Testing and Reporting		80	-	-	-	-	-	-	-	80	80	-	-	-
8	4401956600	Olmstead Natural Open Space - Monitoring		50	-	-	-	-	-	-	-	50	50	-	-	-
5	4401956802	Beach Park Development Program		100	-	-	-	-	-	-	-	100	100	-	-	-
9	4401956902	Red Hill Phase 3 and 4 Park		650	-	-	585	-	-	-	-	65	65	-	-	-
4	4401956904	Andrew Warburton Memorial Park		150	-	-	-	-	-	-	-	150	150	-	-	-
15	4401956906	Gatesbury Park		89	-	-	-	-	-	-	-	89	89	-	-	-
12	4401956910	Ancaster Soccer Improvements		350	-	-	-	-	-	-	-	350	350	-	-	-
12	4401956912	Meadowlands Community Park		65	-	-	58	-	-	-	-	7	7	-	-	-
13	4401956921	Johnson Tew Planting		50	-	-	-	-	-	-	-	50	50	-	-	-
1	4401956922	Alexander Park Skate Park		532	-	-	-	-	-	118	-	414	414	-	-	-
2	4401956925	City Hall Peace Garden		90	-	-	-	-	-	-	-	90	90	-	-	-
1	4401956926	HAAA - Implementation of Master Plan		171	-	-	-	-	-	-	-	171	171	-	-	-
City Wide	4401858800	Skatepark Facility - Recreation study implementation		127	-	-	-	-	-	-	-	127	127	-	-	-
6, 7, 8, 9	4401756703	Mountain Brow Path		80	-	-	-	-	-	-	-	80	80	-	-	-
6	4401956903	Stonechurch Road Trail Link @ Dartnall		150	-	-	142	-	-	-	-	8	8	-	-	-
7	4401956929	HRTMP Initiative 7-1 - Limeridge Mall Hydro Corridor Trail		138	-	-	131	-	-	-	-	7	7	-	-	-

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends
1, 2, 3, 4, 5, 10, 12	4401956930	City wide Shoreline Protection Measures		150	-	-	-	-	-	-	-	150	150	-	-	-
15	4401956932	HRTMP Initiative 15-12 Mountain Brow Road Link		43	-	-	41	-	-	-	-	2	2	-	-	-
15	4401956933	HRTMP Initiative 15-7: Highway 5 - Mountain Brow Link		613	-	-	551	-	-	-	-	62	62	-	-	-
1, 14	4401956934	Chedoke Falls Viewing Implementation		291	-	-	-	-	-	-	-	291	291	-	-	-
City Wide	4401856601	Legislated Monitoring		50	-	-	-	-	-	-	-	50	50	-	-	-
9	4401556503	Heritage Green Community Sports Park Implementation		500	-	-	-	-	-	133	-	367	367	-	-	-
Open Space Development Total:				8,333	-	-	4,684	-	-	251	-	3,398	3,398	-	-	-
Recreation Facilities																
City Wide	7101954536	Program - Arena Retrofits		300	-	-	-	-	-	-	-	300	300	-	-	-
6	7101954904	Mohawk Quad Pad Arena Roof Investigation		250	-	-	-	250	-	-	-	-	-	-	-	-
4	7101954908	Freon Upgrade at Parkdale Arena		1,600	-	-	-	-	-	-	-	1,600	1,600	-	-	-
2	7101841800	Parks North Yard at Bayfront Park		800	-	-	719	-	-	-	-	81	81	-	-	-
13	7101854807	Dundas Valley Community Park Improvement & Pavillion Feasibility		200	-	-	-	-	-	-	-	200	200	-	-	-
10	7101954907	Winona Recreation Centre Feasibility (New)		150	-	-	135	-	-	-	-	15	15	-	-	-
9	7101754706	Valley Park Community Centre Fit-up		1,500	-	-	1,215	-	-	-	-	285	285	-	-	-
7	7101954905	Sackville Hill Senior Expansion & Lifecycle Renewal		500	-	-	-	-	-	500	-	-	-	-	-	-
City Wide	7101941701	Program - Community Halls Retrofits		100	-	-	-	-	-	-	-	100	100	-	-	-
City Wide	7101954105	Program - Park & Fieldhouse Retrofits		100	-	-	-	-	-	-	-	100	100	-	-	-
4	7101558501	Parkdale Outdoor Pool Redevelopment & Expansion		2,000	-	-	150	-	-	-	-	1,850	1,850	-	-	-
14	7101654609	Greensville Recreation Centre/School		343	-	-	303	-	-	-	-	40	40	-	-	-
11	7101954901	Binbrook Recreation Centre Feasibility		100	-	-	90	-	-	-	-	10	10	-	-	-
5	7101954903	Riverdale Community Hub		2,000	2,000	-	-	-	-	-	-	-	-	-	-	-
11	7101954906	Mt. Hope New Recreation Facility		350	-	-	315	-	-	-	-	35	35	-	-	-
Recreation Facilities Total:				10,293	2,000	-	2,927	250	-	500	-	4,616	4,616	-	-	-
Roads																
<i>Asset Preservation</i>																
8	4031911018	Asset Preservation - Balfour Neighbourhood		2,400	-	-	-	-	-	-	-	2,400	240	-	2,160	-
8	4031911019	Asset Preservation - Buchanan Neighbourhood		1,700	-	-	-	-	-	-	-	1,700	170	-	1,530	-
14	4031911020	Asset Preservation - Mountview Neighbourhood (Southwest Section)		2,290	-	-	-	-	-	-	900	1,390	139	-	1,251	-
1	4031911021	Asset Preservation - Westdale South Neighbourhood (North Section)		2,517	-	-	-	-	-	2,517	-	-	-	-	-	-
7	4031919112	Brucevale - Upper Wentworth to Upper Sherman (Eastmount Neighbourhood)		1,950	-	-	-	-	-	780	-	1,170	117	-	1,053	-
4	4031919115	Delana / Beland / Dunsmure		100	-	-	-	-	-	-	-	100	100	-	-	-
4	4031919118	Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)		100	-	-	-	-	-	-	-	100	100	-	-	-
2	4031919119	Sheaffe / Park / Mulberry (Central Neighbourhood (North))		2,710	-	-	-	-	-	910	-	1,800	180	-	1,620	-
Asset Preservation Total:				13,767	-	-	-	-	-	4,207	900	8,660	1,046	-	7,614	-

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
<u>Bridges & Structures</u>																	
	11	4031418437		500	-	-	-	-	-	-	-	500	50	-	450	-	
	11	4031518360		580	-	-	-	-	-	-	-	580	58	-	522	-	
	11	4031518405		550	-	-	-	-	-	-	-	550	55	-	495	-	
	13	4031618385		500	-	-	-	-	-	-	-	500	50	-	450	-	
	2, 7	4031817644		280	-	-	-	-	-	-	-	280	280	-	-	-	
	11	4031818159		170	-	-	-	-	-	-	-	170	170	-	-	-	
	11	4031818189		170	-	-	-	-	-	-	-	170	170	-	-	-	
	9	4031818366		1,000	-	-	-	-	-	-	-	1,000	100	-	900	-	
	11	4031818441		580	-	-	-	-	-	-	-	580	58	-	522	-	
	3	4031917943		170	-	-	-	-	-	-	-	170	170	-	-	-	
	5	4031918048		30	-	-	-	-	-	-	-	30	30	-	-	-	
	11	4031918126		170	-	-	-	-	-	-	-	170	170	-	-	-	
	City Wide	4031918217		2,000	-	-	-	-	-	-	-	2,000	-	-	-	2,000	
	13	4031918342		170	-	-	-	-	-	-	-	170	170	-	-	-	
	11	4031918433		40	-	-	-	-	-	-	-	40	40	-	-	-	
	5, 10	4031918975		2,000	-	-	-	-	-	-	-	2,000	2,000	-	-	-	
<u>Bridges & Structures Total:</u>				8,910	-	-	-	-	-	-	-	8,910	3,571	-	3,339	2,000	
<u>Computer Technology</u>																	
	City Wide	4031957944	18-055	PW Asset Management (PW-AM) System Evaluation	750	-	-	-	-	-	-	750	750	-	-	-	
<u>Computer Technology Total:</u>				750	-	-	-	-	-	-	-	750	750	-	-	-	
<u>Council Priority</u>																	
	1	4031911601		Council Priority - Ward 1 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	2	4031911602		Council Priority - Ward 2 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	3	4031911603		Council Priority - Ward 3 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	4	4031911604		Council Priority - Ward 4 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	5	4031911605		Council Priority - Ward 5 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	6	4031911606		Council Priority - Ward 6 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	7	4031911607		Council Priority - Ward 7 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	8	4031911608		Council Priority - Ward 8 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	9	4031911609		Council Priority - Ward 9 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	10	4031911610		Council Priority - Ward 10 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	11	4031911611		Council Priority - Ward 11 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	12	4031911612		Council Priority - Ward 12 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	13	4031911613		Council Priority - Ward 13 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	14	4031911614		Council Priority - Ward 14 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
	15	4031911615		Council Priority - Ward 15 Minor Rehabilitation	200	-	-	-	-	-	-	200	-	-	-	200	
<u>Council Priority Total:</u>				3,000	-	-	-	-	-	-	-	3,000	-	-	-	3,000	
<u>Development Engineering</u>																	

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends		
15	4031380360	Waterdown - Burlington Road Upgrades (DC Debt)	*	5,380	-	-	5,380	-	-	-	-	-	-	-	-	-	-	
11	4031480481	Barton Street Improvements Class EA (Stoney Creek)		220	-	-	44	-	-	-	-	176	176	-	-	-	-	
6, 11	4031580584	RHBP - Nebo - Rymal to Twenty (DC Debt)	*	150	-	-	128	-	-	-	-	22	22	-	-	-	-	
11	4031580585	Twenty Road Extension, Schedule C EA		120	-	-	120	-	-	-	-	-	-	-	-	-	-	
9	4031580594	First Road West - Green Mountain to Mud		4,160	-	-	3,536	-	-	-	-	624	624	-	-	-	-	
10, 11	4031780781	Highway 8 Improvements Class EA (Stoney Creek)		220	-	-	130	-	-	-	-	90	90	-	-	-	-	
11	4031880883	Dickenson Road Class EA (Upper James to Southcote) (AEGD)		250	-	-	210	-	-	-	-	40	40	-	-	-	-	
11, 12, 14	4031980783	Glancaster Road Class EA (Garner to Dickenson) (AEGD)		690	-	-	587	-	-	-	-	103	103	-	-	-	-	
12	4031980951	Springbrook Ave (Phase 2) - Regan to Garner		1,500	-	-	1,275	-	-	-	-	225	225	-	-	-	-	
12	4031980985	Miller Drive urbanization - Anson to Garden		570	-	-	540	-	-	-	-	30	30	-	-	-	-	
10	4031980988	Fruitland Road By-pass - Barton to Hwy 8 (DC Debt)	*	5,280	-	-	4,488	-	-	-	-	792	792	-	-	-	-	
Development Engineering Total:				18,540	-	-	16,438	-	-	-	-	2,102	2,102	-	-	-	-	
Replacement Program																		
13	4031819101	Baldwin / Court - West St. to Dundas St.		620	-	-	-	-	-	180	-	440	44	-	396	-	-	
1	4031819101	Locke - Herkimer to Main		4,400	-	-	-	-	-	800	-	3,600	360	-	3,240	-	-	
10	4031819104	Hewitson - Dupont to Barton and Dupont		690	-	-	-	-	-	690	-	-	-	-	-	-	-	
City Wide	4031910006	Minor Construction Program		300	-	-	-	-	-	-	-	300	300	-	-	-	-	
2	4031911028	Strachan - James to east end		100	-	-	-	-	-	-	-	100	100	-	-	-	-	
City Wide	4031911225	Geotechnical Investigation Program		700	-	-	-	-	-	-	-	700	700	-	-	-	-	
City Wide	4031914405	Contaminated Soil & Rock Disposal Program		240	-	-	-	-	-	-	-	240	240	-	-	-	-	
4	4031919110	Barton - Parkdale to Talbot		100	-	-	-	-	-	-	-	100	100	-	-	-	-	
4	4031919111	Brampton - Parkdale to Strathearne		1,900	-	-	-	-	-	740	-	1,160	116	-	1,044	-	-	
3	4031919114	Cheever - Barton to Birge and Birge - Cheever to Wentworth		620	-	-	-	-	-	240	-	380	38	-	342	-	-	
1	4031919116	Haddon - Sterling to Marion		840	-	-	-	-	-	310	-	530	53	-	477	-	-	
4	4031919117	Parkdale - Burlington to north end & Steel City Court		3,500	-	-	-	-	-	1,050	-	2,450	245	-	2,205	-	-	
City Wide	4031921960	Fleet Additions - Engineering Services - Construction		50	-	-	-	-	-	-	-	50	50	-	-	-	-	
City Wide	4031949555	QA-QC Service Contract Program		150	-	-	-	-	-	-	-	150	150	-	-	-	-	
2	4241709201	Area Rating - Ferguson - Simcoe to Burlington		1,100	-	-	-	-	-	1,100	-	-	-	-	-	-	-	
Replacement Program Total:				15,310	-	-	-	-	-	5,110	-	10,200	2,496	-	7,704	-	-	
Road Operations & Maintenance																		
City Wide	4031910005	Major Road Maintenance Program		1,000	-	-	-	-	-	-	-	1,000	-	-	-	-	1,000	
City Wide	4031910012	Railway Roadway Crossings Rehabilitation Program		150	-	-	-	-	-	-	-	150	150	-	-	-	-	
City Wide	4031911224	Sidewalk Rehabilitation Program		750	-	-	-	-	-	-	-	750	750	-	-	-	-	
City Wide	4031917241	Fencing/Sound Barrier Rehabilitation/Replacement within the Road Allowance		150	-	-	-	-	-	-	-	150	150	-	-	-	-	
City Wide	4031941762	Yard Facility Maintenance and Improvement Program		200	-	-	-	-	-	-	-	200	200	-	-	-	-	
City Wide	4031951410	Roads - Small Equipment Replacement		50	-	-	-	50	-	-	-	-	-	-	-	-	-	
City Wide	4041910004	Escarpment Slope & Appurtenance Stabilization Program		1,000	-	-	-	-	-	-	-	1,000	454	-	546	-	-	
City Wide	4041910417	Retaining Wall Rehabilitation Program		850	-	-	-	-	-	-	-	850	-	-	-	-	850	

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
City Wide	4041917384	Guide Rail Replacement Program		400	-	-	-	-	-	-	-	400	-	-	-	400	
14	4041941963	Brock Rd and Rockton Yard Improvements		150	-	-	-	-	-	-	-	150	-	-	-	150	
City Wide	4041951960	Road Operations Weigh Scales		100	-	-	-	-	-	-	-	100	-	-	-	100	
<u>Road Operations & Maintenance Total:</u>				<u>4,800</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>50</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>4,750</u>	<u>1,704</u>	<u>-</u>	<u>546</u>	<u>2,500</u>	
<u>Road OPS Growth</u>																	
City Wide	4031921350	Fleet Additions - Roads O&M		200	-	-	129	-	-	-	-	71	71	-	-	-	
<u>Road OPS Growth Total:</u>				<u>200</u>	<u>-</u>	<u>-</u>	<u>129</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>71</u>	<u>71</u>	<u>-</u>	<u>-</u>	<u>-</u>	
<u>Rural Rehabilitation Program</u>																	
City Wide	4031917677	Preventative Maintenance Program		2,200	-	-	-	-	-	-	-	2,200	220	-	1,980	-	
<u>Rural Rehabilitation Program Total:</u>				<u>2,200</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2,200</u>	<u>220</u>	<u>-</u>	<u>1,980</u>	<u>-</u>	
<u>Street Lights</u>																	
City Wide	4031955963	IoT & Smart Cities Street Lighting Strategy Development		150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	4041610018	Low-Wattage Street Lighting LED Replacement		500	500	-	-	-	-	-	-	-	-	-	-	-	
City Wide	4041910017	Street Lighting Capital Program		500	-	-	-	-	-	-	-	500	500	-	-	-	
<u>Street Lights Total:</u>				<u>1,150</u>	<u>500</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>650</u>	<u>650</u>	<u>-</u>	<u>-</u>	<u>-</u>	
<u>Technical Studies & Reporting</u>																	
City Wide	4031918218	OSIM Bridge and Culvert Inspections		340	-	-	-	-	-	-	-	340	340	-	-	-	
City Wide	4031918219	Structural Investigations and Reports		100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	4031955556	Mapping Update Program		40	-	-	-	-	-	-	-	40	40	-	-	-	
City Wide	4031955622	Active Transportation Benchmarking		30	-	-	-	-	-	-	-	30	30	-	-	-	
City Wide	4031955744	TMP Modelling & Monitoring		80	-	-	-	-	-	-	-	80	80	-	-	-	
City Wide	4031955878	Hamilton Public Bike Share Expansion Planning		100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	4031955916	Complete Liveable Better Streets Manual		250	-	-	-	-	-	-	-	250	250	-	-	-	
City Wide	4031955962	Road Network Pavement Inspection		450	-	-	-	-	-	-	-	450	450	-	-	-	
City Wide	4031955985	Highway 403 Connections Study		30	-	-	-	-	-	-	-	30	30	-	-	-	
City Wide	4031955986	Multi-modal Level-of-Service (MMLoS) Policy and Transportation Impact Study Guidelines Update		130	-	-	-	-	-	-	-	130	130	-	-	-	
City Wide	4031955987	Road Classification Harmonization Study and R-O-W Review		80	-	-	-	-	-	-	-	80	80	-	-	-	
<u>Technical Studies & Reporting Total:</u>				<u>1,630</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,630</u>	<u>1,630</u>	<u>-</u>	<u>-</u>	<u>-</u>	
<u>Traffic</u>																	
City Wide	4031710715	Railway Crossings - Review and Upgrades		500	-	-	-	-	-	-	-	500	500	-	-	-	
4	4031955946	Kenilworth - Barton to Main - Detailed Design		150	-	-	-	150	-	-	-	-	-	-	-	-	
3	4241809305	Pedestrian Crossing - Victoria Ave N at Copeland		75	-	-	-	75	-	-	-	-	-	-	-	-	
City Wide	4661720721	Pedestrian Crossovers		300	-	-	-	300	-	-	-	-	-	-	-	-	
City Wide	4661720722	Overhead Sign Structure		200	-	-	-	-	-	-	-	200	200	-	-	-	
City Wide	4661915820	Traffic Counts Program		300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	4661916102	Traffic Calming		350	-	-	-	-	-	-	-	350	350	-	-	-	
City Wide	4661920001	ATMS – Advanced Traffic Management System		2,250	-	-	-	-	-	2,250	-	-	-	-	-	-	
City Wide	4661920019	Traffic Controller Replacement Program		720	-	-	-	-	-	290	-	430	430	-	-	-	

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends		
City Wide	4661920720	Plastic Pavement Marking Rehabilitation		200	-	-	-	200	-	-	-	-	-	-	-	-	-	
City Wide	4661920930	Neighbourhood Speed Reduction Initiative		400	-	-	-	-	-	-	-	400	400	-	-	-	-	
City Wide	4661920945	Fibre Optics Communication Cable		450	-	-	-	-	-	-	-	450	450	-	-	-	-	
City Wide	4661920988	Signal Controller Wrapping Project		150	-	150	-	-	-	-	-	-	-	-	-	-	-	
3	4661955942	Victoria Ave N - One-way to Two-way Traffic Conversion - Phase 2		450	-	-	-	-	-	-	-	450	45	-	405	-	-	
City Wide	4661955946	Autonomous/Connected Vehicles		300	-	-	-	-	-	-	-	300	300	-	-	-	-	
Traffic Total:				6,795	-	150	-	725	-	2,540	-	3,380	2,975	-	405	-	-	
Traffic - APS																		
7, 8, City Wide	4661920531	APS - Accessible Pedestrian Signals		150	-	-	-	-	-	150	-	-	-	-	-	-	-	
Traffic - APS Total:				150	-	-	-	-	-	150	-	-	-	-	-	-	-	-
Traffic - Growth																		
10	4661820821	New Traffic Signal - Drakes @ North Service Rd		270	-	-	257	-	-	-	-	13	13	-	-	-	-	
15	4661920921	New Traffic Signal - Waterdown Rd/Mill St @ Mountain		250	-	250	-	-	-	-	-	-	-	-	-	-	-	
9	4661920922	New Traffic Signal - Rymal Rd west of Walmart Access		100	-	100	-	-	-	-	-	-	-	-	-	-	-	
11	4661920923	New Traffic Signal - RR 56 at Dalgliesh Rd		250	-	250	-	-	-	-	-	-	-	-	-	-	-	
9	4661920925	Traffic Signal Modifications - First Rd at Mud St		150	-	150	-	-	-	-	-	-	-	-	-	-	-	
9	4661920926	New Traffic Signal - Rymal at Canadian Tire Access		200	-	200	-	-	-	-	-	-	-	-	-	-	-	
9	4661920927	New Traffic Signal - Rymal (opposite Celestial Crescent)		100	-	100	-	-	-	-	-	-	-	-	-	-	-	
Traffic - Growth Total:				1,320	-	1,050	257	-	-	-	-	13	13	-	-	-	-	
Traffic - IPS																		
4	4661920525	IPS - Intersection Pedestrian Signal		100	-	-	-	-	-	100	-	-	-	-	-	-	-	
Traffic - IPS Total:				100	-	-	-	-	-	100	-	-	-	-	-	-	-	-
Traffic Signals																		
12	4031980940	New Traffic Signal - Garner @ Hwy 6		400	-	-	380	-	-	-	-	20	20	-	-	-	-	
15	4031980941	New Traffic Signal - Dundas at Pamela/Riverwalk		230	-	-	220	-	-	-	-	10	10	-	-	-	-	
15	4031980942	New Traffic Signal - Dundas at Mallard Trail/Springcreek		230	-	-	220	-	-	-	-	10	10	-	-	-	-	
8, 9, 11	4661920008	New Traffic Signal Installation Program		850	-	-	-	-	-	735	-	115	115	-	-	-	-	
City Wide	4661920010	Traffic Signal Modernization & Upgrades Program		800	-	-	-	-	-	800	-	-	-	-	-	-	-	
City Wide	4661920017	Traffic Signal LED Lighting Upgrade Program		150	-	-	-	-	-	150	-	-	-	-	-	-	-	
City Wide	4661920522	Traffic Engineering - Signal Design		200	-	-	-	-	-	115	-	85	85	-	-	-	-	
City Wide	4661920540	Traffic Signal Modernization Coordinated with Construction		1,100	-	-	-	-	-	415	-	685	68	-	617	-	-	
2	4661920924	New Traffic Signal - Hughson at Hunter		100	-	-	-	-	-	-	-	100	100	-	-	-	-	
Traffic Signals Total:				4,060	-	-	820	-	-	2,215	-	1,025	408	-	617	-	-	
Traffic Study/Master Plan																		
2	4031720722	North End Traffic Management Plan (NETMP) Study		50	-	-	-	50	-	-	-	-	-	-	-	-	-	
City Wide	4031755820	Transportation Demand Management & Smart Commute		350	130	-	-	-	-	-	-	220	220	-	-	-	-	
City Wide	4031955940	Transportation Tomorrow Survey		40	-	-	-	-	-	-	-	40	40	-	-	-	-	

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends
11	4031955944	Transportation EA - Hwy 56 - Rymal to Binbrook		150	-	-	-	-	-	-	-	150	150	-	-	-
<i>Traffic Study/Master Plan Total:</i>				<u>590</u>	<u>130</u>	<u>-</u>	<u>-</u>	<u>50</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>410</u>	<u>410</u>	<u>-</u>	<u>-</u>	<u>-</u>
<i>Transportation Systems</i>																
City Wide	4031911222	New Sidewalk Program		500	-	-	476	-	-	-	-	24	24	-	-	-
City Wide	4661817124	On Street Bike Facilities		300	-	-	-	-	-	200	-	100	100	-	-	-
<i>Transportation Systems Total:</i>				<u>800</u>	<u>-</u>	<u>-</u>	<u>476</u>	<u>-</u>	<u>-</u>	<u>200</u>	<u>-</u>	<u>124</u>	<u>124</u>	<u>-</u>	<u>-</u>	<u>-</u>
<i>Urban Rehabilitation Program</i>																
12	4031711015	Southcote - Calder to Garner		150	-	-	-	-	-	-	-	150	150	-	-	-
4, 5, 6, 9	4031811015	RHVP Rehabilitation		8,750	-	-	-	250	-	2,140	-	6,360	636	-	5,724	-
15	4031911023	Braeheid - Parkside to Riley		900	-	-	-	-	-	900	-	-	-	-	-	-
4	4031911024	Britannia & Cannon - Kenilworth to Strathearne / Garside / Cameron		930	-	-	-	-	-	-	-	930	93	-	837	-
10	4031911025	Dewitt - Highway 8 to Barton		900	-	-	-	-	-	900	-	-	-	-	-	-
5, 10	4031911026	North Service Rd - Centennial Pkwy to Drakes		900	-	-	-	-	-	-	-	900	90	-	810	-
1, 2	4031911029	York - Caroline to Dundurn & Cannon - James to York (LRT Enabling)		90	90	-	-	-	-	-	-	-	-	-	-	-
<i>Urban Rehabilitation Program Total:</i>				<u>12,620</u>	<u>90</u>	<u>-</u>	<u>-</u>	<u>250</u>	<u>-</u>	<u>3,940</u>	<u>-</u>	<u>8,340</u>	<u>969</u>	<u>-</u>	<u>7,371</u>	<u>-</u>
Roads Total:				96,692	720	1,200	18,120	1,075	-	18,462	900	56,215	19,139	-	29,576	7,500
Transit Services																
<i>Public Transit Infrastructure Fund (PTIF)</i>																
City Wide	5301785702	Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities		740	543	-	-	-	-	-	-	197	-	197	-	-
City Wide	5301984901	Corridor Capacity		610	447	-	-	-	-	-	-	163	-	163	-	-
City Wide	5301985901	Transit Terminal Development		3,190	2,339	-	-	-	-	-	-	851	-	851	-	-
<i>Public Transit Infrastructure Fund (PTIF) Total:</i>				<u>4,540</u>	<u>3,329</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,211</u>	<u>-</u>	<u>1,211</u>	<u>-</u>	<u>-</u>
<i>Other Transit Projects</i>																
City Wide	5301583501	Transit Hybrid Bus Battery Replacement		240	-	-	-	240	-	-	-	-	-	-	-	-
City Wide	5301985803	Terminal and End of Line Rehabilitation		75	-	-	-	-	-	-	-	75	75	-	-	-
City Wide	5301985804	Bus Stop Shelter Rehabilitation		125	-	-	-	-	-	-	-	125	125	-	-	-
City Wide	5301985902	Transit Shelter Expansion Program		150	-	-	-	150	-	-	-	-	-	-	-	-
City Wide	5301983002	Fund Transit Reserve Shortfall- Re Cancellation of Ontario Bus Replacement Program		3,700	-	-	-	-	-	-	-	3,700	700	-	3,000	-
City Wide	5301983100	HSR Bus Replacement Program		15,250	-	-	-	15,250	-	-	-	-	-	-	-	-
City Wide	5301983503	Nonrevenue Vehicle Replace Program		170	-	-	-	170	-	-	-	-	-	-	-	-
<i>Other Transit Projects Total:</i>				<u>19,710</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>15,810</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>3,900</u>	<u>900</u>	<u>-</u>	<u>3,000</u>	<u>-</u>
Transit Services Total:				24,250	3,329	-	-	15,810	-	-	-	5,111	900	1,211	3,000	-

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													From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends
Waste Management																
City Wide	5121655610	2020 Waste System Planning		200	-	-	-	-	-	-	-	200	200	-	-	-
City Wide	5121949003	CCF Lifecycle Replacement		500	-	-	-	-	-	-	-	500	500	-	-	-
2, 3	5121990901	Cigarette Butt Receptacle		50	-	-	-	-	-	-	-	50	50	-	-	-
City Wide	5121991000	Glanbrook Landfill Capital Improvement Program		418	-	-	-	-	-	-	-	418	418	-	-	-
City Wide	5121992000	Closed Landfill Maintenance & Capital Improvement Program		308	-	-	-	-	-	-	-	308	308	-	-	-
City Wide	5121955137	Waste Management R & D Program		125	-	-	-	-	-	-	-	125	125	-	-	-
City Wide	5121994920	Environmental Services Legislative Compliance Program		185	-	-	-	-	-	-	-	185	185	-	-	-
City Wide	5121594511	Transfer Station/CRC Expansion & Capital Replacement		150	-	-	27	-	-	-	-	123	123	-	-	-
City Wide	5121993000	Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program		278	-	-	43	-	-	-	-	235	235	-	-	-
City Wide	5121994000	Transfer Station/CRC Maintenance & Capital Improvement Program		268	-	-	-	-	-	-	-	268	268	-	-	-
1, 2, 3, 4, 5	5121951900	Waste Collection Equipment - Downtown/BIA		165	-	-	-	-	-	-	-	165	165	-	-	-
City Wide	5121990200	Diversion Container Replacement Program		880	-	-	39	-	-	-	-	841	841	-	-	-
City Wide	5121990700	Public Space & Special Event Containers		120	-	-	-	70	-	-	-	50	50	-	-	-
City Wide	5121990900	Cigarette Litter Prevention Program		65	-	-	-	65	-	-	-	-	-	-	-	-
Waste Management Total:				3,712	-	-	109	135	-	-	-	3,468	3,468	-	-	-
West Harbour & Waterfront Strategic Initiatives																
City Wide	4411806105	Police Marine Facility Temporary Relocation		300	-	-	-	-	-	-	-	300	300	-	-	-
2	4411506106	Marina Services & Gas Dock		500	-	-	-	-	-	-	-	500	500	-	-	-
1	4411506107	Pier 5-7 Marina Shoreline Rehab		810	-	-	-	-	-	-	-	810	810	-	-	-
2	4411606002	Real Estate Disposition Process		250	-	-	-	-	-	-	-	250	250	-	-	-
2	4411606102	Pier 5-7 Boardwalk		2,190	-	-	-	-	-	-	-	2,190	418	1,772	-	-
2	4411606105	Pier 8 Shorewall		3,400	-	-	-	-	-	-	-	3,400	3,400	-	-	-
2	4411806102	Macassa Bay Shoreline Improvements		300	-	-	-	-	-	-	-	300	300	-	-	-
2	4411806103	Macassa Bay Boardwalk and Trail		200	-	-	-	-	-	-	-	200	200	-	-	-
2	4411806104	West Harbour Public Art		260	-	-	-	-	-	-	-	260	260	-	-	-
West Harbour & Waterfront Strategic Initiatives Total:				8,210	-	-	-	-	-	-	-	8,210	6,438	1,772	-	-
Public Works Tax Funded Total:				177,476	6,132	1,300	26,087	29,640	-	21,136	900	92,281	49,222	2,983	32,576	7,500
Total All Projects:				226,035	6,132	1,390	32,405	41,283	-	21,471	992	122,362	70,303	2,983	32,576	16,500

* DC Debt 12,291

APPENDIX “3”

2019 PROJECTS, INCLUDED

IN THE FINANCING PLAN

Included

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>City Manager</u>					
<u>City Manager</u>					
City Wide	3381959501 Digital Office: Smart City and Digital Transformation Program	1,000	1,000	-	-
City Wide	3381959502 City Hall Digital Sign Replacement	125	125	-	-
Sub-Total:		1,125	1,125	0	0
<u>Human Resources</u>					
	2051959703 Performance and Learning Management System	250	250	-	-
Sub-Total:		250	250	0	0
<u>Corporate Services</u>					
<u>Customer Service & POA</u>					
City Wide	2051957901 Corporate Wide Customer Experience Feedback Program	286	286	157.00	-
Sub-Total:		286	286	157.00	0
<u>Finance</u>					
City Wide	2051580510 DC Exemptions Recovery	6,500	6,500	-	-
Sub-Total:		6,500	6,500	0	0
<u>Information Technology (IT)</u>					
City Wide	3501657602 IT Security	156	156	-	-
City Wide	3501757702 Network Infrastructure Sustainability and Continuous Improvement	194	194	-	-
City Wide	3501857801 IT Strategy and Enterprise Architecture	390	390	125.00	1.00
City Wide	3501857806 Data Centre HVAC	200	200	7.00	-
City Wide	3501957903 IT Strategy - Strategic Theme Mobility	50	25	-	-
City Wide	3501957905 IT Strategy - Strategic Theme Enabling Our People	600	600	275.00	0.25
City Wide	3501957906 IT Strategy - Strategic Theme IT Optimization	100	100	2.00	-
City Wide	3505719907 Business Systems and Services Continuity Plan	100	100	-	-
City Wide	3505719909 IT Strategy - Strategic Theme Integrated & Connected	50	50	-	-
City Wide	3505719910 Messaging (Email) Platform Migration	596	-	-	-
Sub-Total:		2,436	1,815	409.00	1.25

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Council Initiatives</u>					
<u>Council Strategic Projects</u>					
City Wide	2110953900 Randle Reef Rehabilitation Project	375	375	-	-
City Wide	2111956401 Parkland Acquisition	1,500	1,500	-	-
Sub-Total:		1,875	1,875	0	0
<u>Healthy and Safe Communities</u>					
<u>Hamilton Fire Department</u>					
15	7401841801 Greater Flamborough/Carlisle/Waterdown - Shared Fire & Paramedic Station	1,500	-	-	-
City Wide	7401941603 Multi Agency Training Centre - Facility Upgrades	250	250	-	-
2	7401941606 Station 13 Renovation	100	100	-	-
City Wide	7401951600 Annual Fire Equipment Replacement	1,268	-	-	-
City Wide	7401951601 Annual Fire Vehicle Replacement	5,405	-	-	-
City Wide	7401951602 Ice Water Rescue	200	200	-	-
Sub-Total:		8,723	550	0	0
<u>Hamilton Paramedic Service</u>					
City Wide	7641951100 Annual Paramedic Service Vehicle Replacement	1,269	-	-	-
City Wide	7641951101 Annual Paramedic Service Equipment Replacement	265	-	-	-
City Wide	7641951102 Paramedic Helmet Replacement	172	172	17.00	-
City Wide	7641951103 Ambulance Enhancement	260	260	670.00	10.00
Sub-Total:		1,966	432	687.00	10.00
<u>Healthy and Safe Communities- Other Divisions</u>					
	2051255204 Neighbourhood Strategy	235	-	-	-
City Wide	6501941100 Human Services Integration - Continuous Improvement Projects	160	160	-	-
City Wide	6731641601 Hamilton's Community Bed Bug Strategy	158	158	-	-
Sub-Total:		553	318	0	0
<u>Housing Services</u>					
City Wide	6731741609 Poverty Reduction Investment (PRI) - Affordable Rental Housing Construction	4,000	4,000	-	-
City Wide	6731841610 Poverty Reduction Investment (PRI) - Indigenous Poverty Reduction	1,000	1,000	-	-
City Wide	6731841611 Poverty Reduction Investment (PRI) - Social Housing Repairs & Renovations	2,000	2,000	-	-
City Wide	6731941302 Social Housing Capital Repairs and Regeneration	500	500	-	-
Sub-Total:		7,500	7,500	0	0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Long Term Care Homes</u>					
City Wide	6301841001 ML - Roof Replacement	753	500	-	-
City Wide	6301841801 WL - 1989 Wing Roof Replacement	332	-	-	-
City Wide	6301841802 ML - D Wing- Refurbishment	60	-	-	-
City Wide	6301941001 WL - Main Entrance Redesign	50	-	-	-
City Wide	6301941002 WL - Dish Room/Physio & Salon Exhaust & Supply	25	-	-	-
City Wide	6301941003 WL - Radiant Heating Panel/Thermostat Controls	25	-	-	-
City Wide	6301941006 WL - Servery Retrofit (Cabinet and Counter Replacement)	30	-	-	-
City Wide	6301951002 ML & WL - Annual Resident Care Equipment Replacement	80	-	-	-
City Wide	6301951005 ML - Rooftop Unit (HVAC) Replacement	80	-	-	-
Sub-Total:		1,435	500	0	0
<u>Outside Boards & Agencies</u>					
<u>CityHousing Hamilton</u>					
City Wide	6181941602 City Housing Contribution	500	500	-	-
Sub-Total:		500	500	0	0
<u>H.C.A. & Westfield Heritage Village</u>					
City Wide	3801956100 Hamilton Conservation Authority Critical and Safety Projects	1,850	1,850	-	-
City Wide	3801958902 Westfield Heritage Village - Critical and/or Safety Projects	150	150	-	-
Sub-Total:		2,000	2,000	0	0
<u>Hamilton Beach Rescue (HBRU)</u>					
City Wide	2861951700 HBRU Renovations & Equipment Purchases	70	-	-	-
Sub-Total:		70	0	0	0
<u>Hamilton Public Library</u>					
9	7501741601 Valley Park Library Expansion	1,100	440	-	-
13	7501741610 New Library - Greensville	625	280	-	-
Sub-Total:		1,725	720	0	0
<u>Police Services</u>					
City Wide	3761957805 Police Computer Aided Dispatch (CAD) Upgrade	400	400	-	-
Sub-Total:		400	400	0	0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Planning & Economic Development</u>					
<u>Economic Development</u>					
City Wide	3621708900 Economic Development Initiatives	765	765	-	-
Sub-Total:		765	765	0	0
<u>Growth Management</u>					
City Wide	4141946100 City Share of Servicing Costs under Subdivision Agreements	3,000	-	-	-
Sub-Total:		3,000	0	0	0
<u>Licensing & By-Law Services</u>					
City Wide	4501951900 Vehicle Purchases - Licensing	90	-	22.59	-
City Wide	4501955900 Digital Signage Strategy	90	90	-	-
City Wide	4501957900 Handheld Ticketing Device-System Integration	200	100	82.00	-
Sub-Total:		380	190	104.59	0
<u>Parking Services</u>					
2	4501941900 Parking Control Squad Room	30	-	-	-
City Wide	4901445100 Parking Lots - Surface Repairs	100	-	-	-
City Wide	4901751700 Parking Payment Equipment	100	-	-	-
City Wide	4901945900 Waterproofing Membrane Replacement - Convention Centre Parking Garage	50	-	-	-
City Wide	4901955900 Parking Master Plan Consultant	200	-	-	-
City Wide	4901957900 Online Parking Permitting Module	100	-	-	-
City Wide	4901957901 Pay-on-Foot System Replacement - York Blvd Parkade and Convention Centre Parking Garage	550	-	-	-
Sub-Total:		1,130	0	0	0
<u>Planning Services</u>					
City Wide	8120955900 Community Planning Studies	100	69	-	-
City Wide	8121255620 Part IV Designation of Properties under the Ontario Heritage Act	31	31	-	-
City Wide	8121755700 Woodland Protection Strategy	175	18	-	-
City Wide	8121755706 Planning & Zoning Growth Area	525	53	-	-
City Wide	8121957900 3D Model Development	120	12	3.00	-
City Wide	8121957901 Digital Planning Applications	385	250	-	-
City Wide	8141655600 City Wide Employment Survey	100	10	-	-
Sub-Total:		1,436	443	3.00	0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Tourism & Culture</u>					
9	7101741707	Battlefield Barn Restoration	500	-	-
City Wide	7201658600	Collections Registration Preservation Project	55	55	-
2	7201841803	St. Mark's Interior Restoration	1,000	1,000	42.00
City Wide	7201858802	Art and Monuments	55	55	-
City Wide	7201941903	Gage House Porch and Exterior Cladding	440	440	-
City Wide	7201941905	Dundurn Coachhouse Interior Improvements	92	-	-
4	7201958904	Steam Museum Landscape Restoration	152	152	-
Sub-Total:			2,294	1,702	42.00
<u>Urban Renewal</u>					
City Wide	3621708002	Brownfield Development	200	200	-
City Wide	8201641800	Heritage Property Improvement Grants	870	870	-
2, 3, 4	8201703700	Barton/Kenilworth Commercial Corridor Building Grant Program	200	200	-
2, 3, 4	8201703701	Barton and Kenilworth Rebate of Planning and Building Fees	100	100	-
City Wide	8201703703	(BIA) Commercial Property Improvement Grant Program	406	406	-
City Wide	8201703704	Commercial Property Improvement Grant Program	210	210	-
City Wide	8201703706	Community Downtowns and BIAs	224	224	11.00
Sub-Total:			2,210	2,210	11.00
					0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)	
<u>Public Works Tax Funded</u>						
<u>Corporate Facilities</u>						
2	3541741603	Central Library Window Replacement	1,200	700	-	-
City Wide	3541849003	Backflow Prevention for Various Facilities	250	250	120.00	-
City Wide	3541941013	Program - Firestations Facility Upgrade	300	300	-	-
City Wide	3541941409	Program - Facilities Code & Legislative Compliance	650	650	-	-
City Wide	3541941412	Program - Roof Management	800	800	-	-
City Wide	3541941532	Program - Facility Capital Maintenance	450	450	-	-
City Wide	3541941631	Program - Facilities Security	150	150	-	-
City Wide	3541941648	Program - Parking Lot Rehabilitation	600	600	-	-
2	3541941901	Capital Lifecycle Renewal - Hamilton Farmer's Market	550	550	-	-
10	3541941910	Stoney Creek City Hall -RCMP Lease Capital Replacement	210	-	-	-
City Wide	3541951900	Generator Compliance Testing and Upgrades	110	110	-	-
City Wide	3541955001	Program Yard Capital Renewal	300	300	-	-
Sub-Total:			5,570	4,860	120.00	0
<u>Energy Initiatives</u>						
City Wide	7901941900	Traffic Operations Centre - LED lighting Upgrade	60	-	-	-
City Wide	7901941901	Wentworth Operations Centre - LED Lighting Systems Upgrade (Interior)	30	-	-	-
City Wide	7901941902	Lister Block - LED Lighting Upgrade	125	-	-	-
City Wide	7901949000	Solar Wall - Norman Pinky Lewis Recreation Centre	117	-	-	-
Sub-Total:			332	0	0	0
<u>Entertainment Facilities</u>						
2	3721841801	Program FirstOntario Concert Hall Replacements and Renovations	100	-	-	-
2	3721941805	Program HCC, FOCH & FOC Lifecycle Renewal	539	539	-	-
2	3721949901	Summer's Lane Structural Rehab & Pedestrianization	1,950	177	-	-
2	3721949902	Expansion Joint Replacement Commonwealth Square	250	84	-	-
Sub-Total:			2,839	800	0	0
<u>Fleet Services</u>						
City Wide	4941951001	Shop Equipment Replacement	165	-	-	-
City Wide	4941951004	Street Sweeper Purchase	730	-	-	-
City Wide	4941951100	Fleet Vehicle&Equipment Replace Program	9,230	-	-	-
Sub-Total:			10,125	0	0	0
<u>Forestry & Horticulture</u>						
City Wide	4451153001	Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)	2,600	2,600	-	-
City Wide	4451853701	Gypsy Moth Monitoring and Management	550	-	-	-
City Wide	4451953444	Tree Planting Program	1,345	1,345	67.40	-
Sub-Total:			4,495	3,945	67.40	0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>O & M - Parks & Cemeteries</u>					
City Wide	4401911601 Cemetery Roads Rehabilitation Program	100	100	-	-
City Wide	4401941001 Cemetery Building Repairs	115	115	-	-
City Wide	4401949007 Cemetery Columbarium	70	-	-	-
City Wide	4401949101 Park Pathway Resurfacing Program	215	215	-	-
City Wide	4401949104 Park Sports/Security Lighting Upgrade Program	60	60	-	-
City Wide	4401949107 Park Fencing Program	118	118	-	-
City Wide	4401949504 Parkland Identification and Way Finding Signage	20	20	-	-
City Wide	4401949510 Spraypad Infrastructure Rehabilitation Program	70	70	-	-
City Wide	4401951601 Equipment Acquisition (DC) Program	247	-	75.00	-
City Wide	4401951700 Small Equipment Replacement (Reserve) Program	80	-	-	-
5	4401951903 Confederation Beach Park - Capital Maintenance Program	175	-	-	-
City Wide	4401952100 CSA Safety Material Replacement Program	175	150	-	-
City Wide	4401952600 Playground Lifecycle Replacement Program	400	200	-	-
City Wide	4401954699 Tennis and Multi -use Court Rehabilitation Program	100	100	-	-
City Wide	4401955800 QC/CA - Parks and Cemeteries Material Testing	10	10	-	-
15	4401955901 Memorial Park Storm Water Management Study	90	-	-	-
City Wide	4401956001 Leash free Dog Park Program	80	-	5.00	-
City Wide	7201941902 Battlefield Park Bridge Replacement	500	500	-	-
Sub-Total:		2,625	1,658	80.00	0
<u>Open Space Development</u>					
6, 9	4401056060 Open Space Replacement Strategy-East Mtn Trail Loop	300	286	18.50	0.20
5	4401356801 Confederation Park Redevelopment	2,364	237	291.00	3.66
9	4401556503 Heritage Green Community Sports Park Implementation	500	367	12.80	0.20
6, 7, 8, 9	4401756703 Mountain Brow Path	80	80	4.80	-
12	4401756718 Ancaster Meadows Park (Proposed)	650	65	23.50	0.25
City Wide	4401856601 Legislated Monitoring	50	50	21.00	0.25
12	4401856806 Bookjans West Proposed Park (25T 200725) - Ancaster Glen	500	50	20.50	0.20
City Wide	4401858800 Skatepark Facility - Recreation study implementation	127	127	-	-
City Wide	4401955600 Parks Testing and Reporting	80	80	-	-
8	4401956600 Olmstead Natural Open Space - Monitoring	50	50	-	-
5	4401956802 Beach Park Development Program	100	100	3.00	-
9	4401956902 Red Hill Phase 3 and 4 Park	650	65	18.50	0.15
6	4401956903 Stonechurch Road Trail Link @ Dartnall	150	8	16.00	0.20
4	4401956904 Andrew Warburton Memorial Park	150	150	-	-
15	4401956906 Gatesbury Park	89	89	-	-
12	4401956910 Ancaster Soccer Improvements	350	350	6.00	-

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
12	4401956912 Meadowlands Community Park	65	7	16.20	0.19
13	4401956921 Johnson Tew Planting	50	50	15.00	0.33
1	4401956922 Alexander Park Skate Park	532	414	15.00	-
2	4401956925 City Hall Peace Garden	90	90	28.00	0.33
1	4401956926 HAAA - Implementation of Master Plan	171	171	-	-
7	4401956929 HRTMP Initiative 7-1 - Limeridge Mall Hydro Corridor Trail	138	7	-	-
1, 2, 3, 4, 5, 10, 13	4401956930 City wide Shoreline Protection Measures	150	150	-	-
15	4401956932 HRTMP Initiative 15-12 Mountain Brow Road Link	43	2	-	-
15	4401956933 HRTMP Initiative 15-7: Highway 5 - Mountain Brow Link	613	62	15.00	-
1, 14	4401956934 Chedoke Falls Viewing Implementation	291	291	-	-
Sub-Total:		8,333	3,398	524.80	5.96
<u>Recreation Facilities</u>					
4	7101558501 Parkdale Outdoor Pool Redevelopment & Expansion	2,000	1,850	-	-
13	7101654609 Greensville Recreation Centre/School	343	40	-	-
9	7101754706 Valley Park Community Centre Fit-up	1,500	285	-	-
2	7101841800 Parks North Yard at Bayfront Park	800	81	30.00	-
13	7101854807 Dundas Valley Community Park Improvement & Pavillion Feasibility	200	200	-	-
City Wide	7101941701 Program - Community Halls Retrofits	100	100	-	-
City Wide	7101954105 Program - Park & Fieldhouse Retrofits	100	100	-	-
City Wide	7101954536 Program - Arena Retrofits	300	300	-	-
11	7101954901 Binbrook Recreation Centre Feasibility	100	10	-	-
5	7101954903 Riverdale Community Hub	2,000	-	-	-
6	7101954904 Mohawk Quad Pad Arena Roof Investigation	250	-	-	-
7	7101954905 Sackville Hill Senior Expansion & Lifecycle Renewal	500	-	-	-
11	7101954906 Mt. Hope New Recreation Facility	350	35	-	-
10	7101954907 Winona Recreation Centre Feasibility (New)	150	15	-	-
4	7101954908 Freon Upgrade at Parkdale Arena	1,600	1,600	-	-
Sub-Total:		10,293	4,616	30.00	0

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Roads</u>					
15	4031380360	Waterdown - Burlington Road Upgrades	5,380	-	-
11	4031418437	Bridge 417 - Harrison Rd, 310m n/o Hall Rd	500	500	-
11	4031480481	Barton Street Improvements Class EA (Stoney Creek)	220	176	-
11	4031518360	Bridge 360 - Blackheath Rd, 360m n/o Haldibrook	580	580	-
11	4031518405	Bridge 405 - Blackheath Rd, 225m n/o Haldibrook Rd	550	550	-
6, 11	4031580584	RHBP - Nebo - Rymal to Twenty	150	22	-
11	4031580585	Twenty Road Extension, Schedule C EA	120	-	-
9	4031580594	First Road West - Green Mountain to Mud	4,160	624	-
13	4031618385	Bridge 385 - Westover Rd, 170m n/o Concession 4W	500	500	-
City Wide	4031710715	Railway Crossings - Review and Upgrades	500	500	-
12	4031711015	Southcote - Calder to Garner	150	150	-
2	4031720722	North End Traffic Management Plan (NETMP) Study	50	-	-
City Wide	4031755820	Transportation Demand Management & Smart Commute	350	220	-
10, 11	4031780781	Highway 8 Improvements Class EA (Stoney Creek)	220	90	-
4, 5, 6, 9	4031811015	RHVP Rehabilitation	8,750	6,360	-
2, 7	4031817644	Claremont Access - Bin Wall Removal	280	280	-
11	4031818159	Bridge 159 - Regional Rd 56 to 615m s/o Hall Rd	170	170	-
11	4031818189	Bridge 189 - Regional Rd 56, 565 m s/o Kirk Rd	170	170	-
9	4031818366	Bridge 366 - Mud St W, 320m e/o Paramount Dr	1,000	1,000	-
11	4031818441	Bridge 441 - Harrison Rd - 665m n/o Hall Rd	580	580	-
1	4031819101	Locke - Herkimer to Main	4,400	3,600	-
13	4031819101	Baldwin / Court - West St. to Dundas St.	620	440	-
10	4031819104	Hewitson – Dupont to Barton and Dupont	690	-	-
11	4031880883	Dickenson Road Class EA (Upper James to Southcote) (AEGD)	250	40	-
City Wide	4031910005	Major Road Maintenance Program	1,000	1,000	-
City Wide	4031910006	Minor Construction Program	300	300	-
City Wide	4031910012	Railway Roadway Crossings Rehabilitation Program	150	150	-
8	4031911018	Asset Preservation - Balfour Neighbourhood	2,400	2,400	-
8	4031911019	Asset Preservation - Buchanan Neighbourhood	1,700	1,700	-
14	4031911020	Asset Preservation - Mountview Neighbourhood (Southwest Section)	2,290	1,390	-
1	4031911021	Asset Preservation - Westdale South Neighbourhood (North Section)	2,517	-	-
15	4031911023	Braeheid - Parkside to Riley	900	-	-
4	4031911024	Britannia & Cannon - Kenilworth to Strathearne / Garside / Cameron	930	930	-
10	4031911025	Dewitt - Highway 8 to Barton	900	-	-
5, 10	4031911026	North Service Rd - Centennial Pkwy to Drakes	900	900	-
2	4031911028	Strachan - James to east end	100	100	-
1, 2	4031911029	York - Caroline to Dundurn & Cannon - James to York (LRT Enabling)	90	-	-

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
City Wide	4031911222 New Sidewalk Program	500	24	-	-
City Wide	4031911224 Sidewalk Rehabilitation Program	750	750	-	-
City Wide	4031911225 Geotechnical Investigation Program	700	700	-	-
1	4031911601 Council Priority - Ward 1 Minor Rehabilitation	200	200	-	-
2	4031911602 Council Priority - Ward 2 Minor Rehabilitation	200	200	-	-
3	4031911603 Council Priority - Ward 3 Minor Rehabilitation	200	200	-	-
4	4031911604 Council Priority - Ward 4 Minor Rehabilitation	200	200	-	-
5	4031911605 Council Priority - Ward 5 Minor Rehabilitation	200	200	-	-
6	4031911606 Council Priority - Ward 6 Minor Rehabilitation	200	200	-	-
7	4031911607 Council Priority - Ward 7 Minor Rehabilitation	200	200	-	-
8	4031911608 Council Priority - Ward 8 Minor Rehabilitation	200	200	-	-
9	4031911609 Council Priority - Ward 9 Minor Rehabilitation	200	200	-	-
10	4031911610 Council Priority - Ward 10 Minor Rehabilitation	200	200	-	-
11	4031911611 Council Priority - Ward 11 Minor Rehabilitation	200	200	-	-
12	4031911612 Council Priority - Ward 12 Minor Rehabilitation	200	200	-	-
13	4031911613 Council Priority - Ward 13 Minor Rehabilitation	200	200	-	-
14	4031911614 Council Priority - Ward 14 Minor Rehabilitation	200	200	-	-
15	4031911615 Council Priority - Ward 15 Minor Rehabilitation	200	200	-	-
City Wide	4031914405 Contaminated Soil & Rock Disposal Program	240	240	-	-
City Wide	4031917241 Fencing/Sound Barrier Rehabilitation/Replacement within the Road Allowance	150	150	-	-
City Wide	4031917677 Preventative Maintenance Program	2,200	2,200	-	-
3	4031917943 Sherman Access East Retaining Wall Replacement	170	170	-	-
5	4031918048 Bridge 048 - Jones St, 110m w/o King St E	30	30	-	-
11	4031918126 Bridge 126 - Regional Rd 56, 605m n/o Guyatt Rd	170	170	-	-
City Wide	4031918217 Bridge and Culvert Maintenance	2,000	2,000	-	-
City Wide	4031918218 OSIM Bridge and Culvert Inspections	340	340	-	-
City Wide	4031918219 Structural Investigations and Reports	100	100	-	-
13	4031918342 Bridge 342 - Westover Rd, 245m n/o Highway No. 8	170	170	-	-
11	4031918433 Bridge 433 - Westbrook Road, 135m n/o Regional Rd 9A	40	40	-	-
5, 10	4031918975 MTO/City Cost Shared Service Rd Culverts	2,000	2,000	-	-
4	4031919110 Barton - Parkdale to Talbot	100	100	-	-
4	4031919111 Brampton - Parkdale to Strathearne	1,900	1,160	-	-
7	4031919112 Brucedale - Upper Wentworth to Upper Sherman (Eastmount Neighbourhood)	1,950	1,170	-	-
3	4031919114 Cheever - Barton to Birge and Birge - Cheever to Wentworth	620	380	-	-
4	4031919115 Delana / Beland / Dunsmore	100	100	-	-
1	4031919116 Haddon - Sterling to Marion	840	530	-	-
4	4031919117 Parkdale - Burlington to north end & Steel City Court	3,500	2,450	-	-

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
4	4031919118 Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)	100	100	-	-
2	4031919119 Sheaffe / Park / Mulberry (Central Neighbourhood (North))	2,710	1,800	-	-
City Wide	4031921350 Fleet Additions - Roads O&M	200	71	-	-
City Wide	4031921960 Fleet Additions - Engineering Services - Construction	50	50	7.70	-
City Wide	4031941762 Yard Facility Maintenance and Improvement Program	200	200	-	-
City Wide	4031949555 QA-QC Service Contract Program	150	150	-	-
City Wide	4031951410 Roads - Small Equipment Replacement	50	-	-	-
City Wide	4031955556 Mapping Update Program	40	40	-	-
City Wide	4031955622 Active Transportation Benchmarking	30	30	-	-
City Wide	4031955744 TMP Modelling & Monitoring	80	80	-	-
City Wide	4031955878 Hamilton Public Bike Share Expansion Planning	100	100	-	-
City Wide	4031955916 Complete Liveable Better Streets Manual	250	250	-	-
City Wide	4031955940 Transportation Tomorrow Survey	40	40	-	-
11	4031955944 Transportation EA - Hwy 56 - Rymal to Binbrook	150	150	-	-
4	4031955946 Kenilworth - Barton to Main - Detailed Design	150	-	-	-
City Wide	4031955962 Road Network Pavement Inspection	450	450	-	-
City Wide	4031955963 IoT & Smart Cities Street Lighting Strategy Development	150	150	-	-
City Wide	4031955985 Highway 403 Connections Study	30	30	-	-
City Wide	4031955986 Multi-modal Level-of-Service (MMLoS) Policy and Transportation Impact Study Guidelines Update	130	130	-	-
City Wide	4031955987 Road Classification Harmonization Study and R-O-W Review	80	80	-	-
City Wide	4031957944 18-055 PW Asset Management (PW-AM) System Evaluation	750	750	-	-
11, 12, 14	4031980783 Glancaster Road Class EA (Garner to Dickenson) (AEGD)	690	103	-	-
12	4031980940 New Traffic Signal - Garner @ Hwy 6	400	20	-	-
15	4031980941 New Traffic Signal - Dundas at Pamela/Riverwalk	230	10	30.00	0.20
15	4031980942 New Traffic Signal - Dundas at Mallard Trail/Springcreek	230	10	30.00	0.20
12	4031980951 Springbrook Ave (Phase 2) - Regan to Garner	1,500	225	-	-
12	4031980985 Miller Drive urbanization - Anson to Garden	570	30	-	-
10	4031980988 Fruitland Road By-pass - Barton to Hwy 8	5,280	792	60.00	0.30
City Wide	4041610018 Low-Wattage Street Lighting LED Replacement	500	-	(600.00)	-
City Wide	4041910004 Escarpment Slope & Appurtenance Stabilization Program	1,000	1,000	-	-
City Wide	4041910017 Street Lighting Capital Program	500	500	-	-
City Wide	4041910417 Retaining Wall Rehabilitation Program	850	850	-	-
City Wide	4041917384 Guide Rail Replacement Program	400	400	-	-
13	4041941963 Brock Rd and Rockton Yard Improvements	150	150	-	-
City Wide	4041951960 Road Operations Weigh Scales	100	100	-	-
2	4241709201 Area Rating - Ferguson - Simcoe to Burlington	1,100	-	-	-
3	4241809305 Pedestrian Crossing - Victoria Ave N at Copeland	75	-	-	-

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
City Wide	4661720721 Pedestrian Crossovers	300	-	-	-
City Wide	4661720722 Overhead Sign Structure	200	200	-	-
City Wide	4661817124 On Street Bike Facilities	300	100	73.00	0.50
10	4661820821 New Traffic Signal - Drakes @ North Service Rd	270	13	30.00	0.20
City Wide	4661915820 Traffic Counts Program	300	300	-	-
City Wide	4661916102 Traffic Calming	350	350	-	-
City Wide	4661920001 ATMS – Advanced Traffic Management System	2,250	-	204.00	2.00
8, 9, 11	4661920008 New Traffic Signal Installation Program	850	115	117.00	0.80
City Wide	4661920010 Traffic Signal Modernization & Upgrades Program	800	-	-	-
City Wide	4661920017 Traffic Signal LED Lighting Upgrade Program	150	-	-	-
City Wide	4661920019 Traffic Controller Replacement Program	720	430	-	-
City Wide	4661920522 Traffic Engineering - Signal Design	200	85	-	-
4	4661920525 IPS - Intersection Pedestrian Signal	100	-	30.00	0.20
7, 8, City Wide	4661920531 APS - Accessible Pedestrian Signals	150	-	63.00	0.60
City Wide	4661920540 Traffic Signal Modernization Coordinated with Construction	1,100	685	-	-
City Wide	4661920720 Plastic Pavement Marking Rehabilitation	200	-	-	-
15	4661920921 New Traffic Signal - Waterdown Rd/Mill St @ Mountain	250	-	30.00	0.20
9	4661920922 New Traffic Signal - Rymal Rd west of Walmart Access	100	-	30.00	0.20
11	4661920923 New Traffic Signal - RR 56 at Dalglish Rd	250	-	30.00	0.20
2	4661920924 New Traffic Signal - Hughson at Hunter	100	100	30.00	0.20
9	4661920925 Traffic Signal Modifications - First Rd at Mud St	150	-	-	-
9	4661920926 New Traffic Signal - Rymal at Canadian Tire Access	200	-	30.00	0.20
9	4661920927 New Traffic Signal - Rymal (opposite Celestial Crescent)	100	-	30.00	0.20
City Wide	4661920930 Neighbourhood Speed Reduction Initiative	400	400	-	-
City Wide	4661920945 Fibre Optics Communication Cable	450	450	-	-
City Wide	4661920988 Signal Controller Wrapping Project	150	-	-	-
3	4661955942 Victoria Ave N - One-way to Two-way Traffic Conversion - Phase 2	450	450	-	-
City Wide	4661955946 Autonomous/Connected Vehicles	300	300	-	-
Sub-Total:		96,692	56,215	224.70	6.20

**2019 Proposed Tax Capital Projects
Included in the Financing Plan**

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)	
<u>Transit Services</u>						
City Wide	5301583501	Transit Hybrid Bus Battery Replacement	240	-	-	-
City Wide	5301785702	Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities	740	197	90.00	-
City Wide	5301983002	Fund Transit Reserve Shortfall- Re Cancellation of Ontario Bus Replacement	3,700	3,700	-	-
City Wide	5301983100	HSR Bus Replacement Program	15,250	-	-	-
City Wide	5301983503	Nonrevenue Vehicle Replace Program	170	-	-	-
City Wide	5301984901	Corridor Capacity	610	163	50.00	-
City Wide	5301985803	Terminal and End of Line Rehabilitation	75	75	-	-
City Wide	5301985804	Bus Stop Shelter Rehabilitation	125	125	-	-
City Wide	5301985901	Transit Terminal Development	3,190	851	20.00	-
City Wide	5301985902	Transit Shelter Expansion Program	150	-	20.00	-
Sub-Total:			24,250	5,111	180.00	0
<u>Waste Management</u>						
City Wide	5121594511	Transfer Station/CRC Expansion & Capital Replacement	150	123	-	-
City Wide	5121655610	2020 Waste System Planning	200	200	-	-
City Wide	5121949003	CCF Lifecycle Replacement	500	500	-	-
1, 2, 3, 4, 5	5121951900	Waste Collection Equipment - Downtown/BIA	165	165	30.00	-
City Wide	5121955137	Waste Management R & D Program	125	125	-	-
City Wide	5121990200	Diversion Container Replacement Program	880	841	-	-
City Wide	5121990700	Public Space & Special Event Containers	120	50	-	-
City Wide	5121990900	Cigarette Litter Prevention Program	65	-	-	-
2, 3	5121990901	Cigarette Butt Receptacle	50	50	-	-
City Wide	5121991000	Glanbrook Landfill Capital Improvement Program	418	418	-	-
City Wide	5121992000	Closed Landfill Maintenance & Capital Improvement Program	308	308	-	-
City Wide	5121993000	Maintenance & Capital Improvements to the Resource Recovery Centre	278	235	-	-
City Wide	5121994000	Transfer Station/CRC Maintenance & Capital Improvement Program	268	268	-	-
City Wide	5121994920	Environmental Services Legislative Compliance Program	185	185	-	-
Sub-Total:			3,712	3,468	30.00	0
<u>West Harbour & Waterfront Strategic Initiatives</u>						
2	4411506106	Marina Services & Gas Dock	500	500	-	-
2	4411506107	Pier 5-7 Marina Shoreline Rehab	810	810	-	-
2	4411606002	Real Estate Disposition Process	250	250	-	-
2	4411606102	Pier 5-7 Boardwalk	2,190	2,190	72.00	0.33
2	4411606105	Pier 8 Shorewall	3,400	3,400	-	-
2	4411806102	Macassa Bay Shoreline Improvements	300	300	-	-
2	4411806103	Macassa Bay Boardwalk and Trail	200	200	-	-
2	4411806104	West Harbour Public Art	260	260	-	-
City Wide	4411806105	Police Marine Facility Temporary Relocation	300	300	-	-
Sub-Total:			8,210	8,210	72.00	0.33
Total: All Departments			226,035	122,262	2,742.49	24.24

APPENDIX “4”

2019 PROJECTS NOT INCLUDED IN THE FINANCING PLAN

Not Included

2019 Proposed Tax Capital Projects
Not-Included in the Financing Plan

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Human Resources</u>					
City Wide	2051857111 Corporate KRONOS	2,410	2,410	405	1.00
Sub-Total:		2,410	2,410	405	1.00
<u>Customer Service & POA</u>					
City Wide	3381957901 Security Enhancements	750	750	75	-
Sub-Total:		750	750	75	0
<u>Area Rating Special Capital Reinvestment</u>					
1	3301909100 Ward 1 Capital Reinvestment	100	-	-	-
2	3301909200 Ward 2 Capital Reinvestment	100	-	-	-
3	3301909300 Ward 3 Capital Reinvestment	100	-	-	-
4	3301909400 Ward 4 Capital Reinvestment	100	-	-	-
5	3301909500 Ward 5 Capital Reinvestment	100	-	-	-
6	3301909600 Ward 6 Capital Reinvestment	100	-	-	-
7	3301909700 Ward 7 Capital Reinvestment	100	-	-	-
8	3301909800 Ward 8 Capital Reinvestment	100	-	-	-
Sub-Total:		800	0	0	0
<u>Entertainment Facilities</u>					
2	3721949904 FOC Capital Lifecycle Renewal	750	750	-	-
Sub-Total:		750	750	0	0
<u>Forestry & Horticulture</u>					
City Wide	4451941901 Forestry Storage Building Reconstruction	350	350	-	-
City Wide	4451951900 Horticulture Infrastructure Replacement	60	60	-	-
Sub-Total:		410	410	0	0
<u>O & M - Parks & Cemeteries</u>					
City Wide	4401949003 Backflow Prevention for Various Parks Facilities	600	600	150	-
City Wide	4401949503 Cemetery Development	570	570	100	1.33
City Wide	4401949801 Monitoring and Repairs of the Escarpment and Waterfront	130	130	-	-
City Wide	4401952601 Playground Lifecycle Replacement Program	560	560	-	-
City Wide	4401954700 Tennis and Multi -use Court Rehabilitation Program	500	500	-	-
Sub-Total:		2,360	2,360	250	1.33

Due to the 2018 Ward Boundary Changes, the Area Rating Special Capital Reinvestment Program is under review. A report is due to be presented to Council in early 2019 to outline options going forward with the program. The above Area Rating projects have not been included in the 2019 Capital Budget due to the aforementioned review.

2019 Proposed Tax Capital Projects
Not-Included in the Financing Plan

Ward	Project	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE's (#)
<u>Open Space Development</u>					
15	4400756755 Joe Sams Leisure Park	180	180	4.32	-
6	4401856819 Albion Falls - Waterfalls Viewing	1,500	1,500	40.00	0.83
Sub-Total:		1,680	1,680	44.32	0.83
<u>Recreation Facilities</u>					
9	7101954902 Valley Park Lifecycle Renewal & Accessibility	2,400	2,400	-	-
Sub-Total:		2,400	2,400	0	0
<u>Roads</u>					
4	4031911030 SUPPLEMENTARY - Barton - Gage to Kenilworth	2,000	2,000	-	-
3	4031911031 SUPPLEMENTARY - Barton - Sanford to Gage	1,550	1,550	-	-
15	4031911032 SUPPLEMENTARY - Dundas (Hwy 5) - Mill to First	350	350	-	-
15	4031911033 SUPPLEMENTARY - Dundas - First to Hamilton-Burlington boundary	2,130	2,130	-	-
4	4031911035 RECOMMENDED UNAFFORDABLE - Cannon - Kenilworth to Ottawa	540	540	-	-
3	4031911037 RECOMMENDED UNAFFORDABLE - Wilson - Wentworth to Sherman	600	600	-	-
Sub-Total:		7,170	7,170	0	0
Total: All Departments		18,730	17,930	774.32	3.16

APPENDIX “5”

2019-2028 AFFORDABLE UNAFFORDABLE

CAPITAL FORECAST

CITY OF HAMILTON
2019-2028 CAPITAL BUDGET FINANCING PLAN
TAX SUPPORTED PROGRAM - AFFORDABLE / UNAFFORDABLE
(\$ 000)

Year	Projected Gross Cost	Affordable Gross Cost	Subsidy/ Other Revenue	Federal Gas Tax	Dev't Charges	Reserves/ & Internal Sources	FINANCING SOURCES	
							Tax Budget	Debt
Approved	\$	\$	\$		\$	\$	\$	\$
2018	271,534	257,924	7,344	32,176	19,601	118,376	68,034	12,393
2019	244,765	226,035	7,522	32,576	32,405	79,254	70,303	3,975
2020	370,783	320,355	51,045	32,576	76,082	52,256	74,754	33,642
2021	417,431	351,506	84,365	34,057	42,239	64,699	79,990	46,156
2022	368,106	344,723	84,599	34,057	46,887	49,226	86,141	43,813
2023	198,790	198,661	12,435	35,537	12,879	39,509	93,067	5,235
2024	248,184	230,657	12,216	35,537	39,720	44,305	98,880	-
2025	233,027	267,930	13,293	35,537	38,801	40,460	104,879	34,960
2026	288,885	238,196	130	35,537	25,593	35,941	110,995	30,000
2027	303,299	242,795	130	35,537	14,229	43,018	115,281	34,600
2028	357,887	294,855	130	35,537	61,520	43,503	117,165	37,000
TOTAL	3,031,156	2,715,714	265,865	346,488	390,355	492,170	951,455	269,381

**Discretionary Tax Supported Net Capital Funding
2019 - 2028 Forecast**

Assumptions: **0.5% (\$4.2 M) + Debt Levy Increase for Capital 2019 - 2028**
5.0% Cost of Borrowing on External Debt for 15 Year Term

Sources of Funding (Net) (\$000's)	2018 Restated	2019 Proposed	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	Totals 2019-2028
Sustainable												
Contribution from Operating	68,034	70,303	74,754	79,990	86,141	93,067	98,880	104,879	110,995	115,281	118,780	953,070
Hydro Dividends	5,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	20,000
Hydro Dividends - Poverty reduction	3,000	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								12,000
Federal Gas Tax	32,176	32,576	32,576	34,057	34,057	35,537	35,537	35,537	35,537	35,537	35,537	346,488
Previous Yrs. Capital Financing Surplus	4,000	5,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	23,000
Sub-total	120,710	116,879	118,330	125,047	127,198	135,604	141,417	147,416	153,532	157,818	161,317	1,384,558
Non-Sustainable												
Unallocated / Other Capital Reserve	-	2,500	2,500									5,000
HRPI Dividend	-	-	-	-	-	-	-	-	-	-	-	-
WIP Funding Interest	250	-	-	-	-	-	-	-	-	-	-	-
Sale of Assets	2,000											
Roads WIP / Tender Surplus Funding	1,500											
Sub-total	3,750	2,500	2,500	-	-	-	-	-	-	-	-	5,000
External Debt	12,393	2,983	33,642	46,156	43,813	5,235	-	34,960	30,000	34,600	37,000	268,389
Total Funding (Net)	136,853	122,362	154,472	171,203	171,011	140,839	141,417	182,376	183,532	192,418	198,317	1,657,947
Net Capital Funding (\$000's)	2018 Restated	2019 Proposed	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	Totals 2019-2028
Roads / Bridges / Sidewalk / Street Lights / Traffic	55,202	56,215	58,464	60,883	63,319	65,852	68,486	71,226	74,075	77,038	80,119	675,678
Corporate Facilities	6,507	4,860	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,584	46,108
Recreation Facilities	4,624	4,616	4,580	4,580	4,580	4,580	4,580	4,580	4,580	5,100	5,100	46,876
Entertainment Facilities	1,300	800	800	800	800	800	800	800	800	800	800	8,000
Park Development (New/Expansion)	3,241	3,398	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	32,567
Park's Operations	1,138	1,658	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	11,900
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	4,556	3,468	7,495	12,025	24,085	2,879	3,694	3,180	100,517	102,087	59,245	318,675
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	1,702	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	11,000	7,500	7,500	7,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	47,000
Block Funding Total	93,325	88,272	93,558	100,507	111,003	92,330	95,779	98,005	198,191	203,244	163,484	1,244,374
Major Capital Initiatives												
West Harbour Development	24,280	8,210	15,850	15,020	3,790	5,235	-	22,460	-	-	-	70,565
Ash Borer	2,600	2,600	2,600	2,600	2,600	-	-	-	-	-	-	10,400
Randle Reef	375	375	375	375	-	-	-	-	-	-	-	1,125
Fire / Paramedic Services	580	982	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	9,982
Health and Safe Communities - Other Div	-	318	160	160	160	160	160	160	160	160	160	1,758
Corporate Services	115	286	90	90	90	90	90	90	90	90	90	1,096
City Manager/Human Resources	368	1,375	-	-	-	-	-	-	-	-	-	1,375
Information Technology	500	1,815	500	500	500	500	500	500	500	500	500	6,315
Planning / Development	130	633	130	130	130	130	130	130	130	130	130	1,803
Economic Development Initiatives	-	765	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,765
Parkland Acquisition	-	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	15,000
Transit	4,820	5,111	22,158	38,646	36,743	15,051	9,970	10,770	10,770	10,770	10,770	170,759
DC exemptions	5,000	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	65,000
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	2,260	720	1,100	-	2,950	-	2,900	450	-	4,600	7,000	19,720
Police Services	-	400	1,330	-	-	-	-	12,500	-	-	-	14,230
Subtotal - Boards & Agencies	4,760	3,620	4,930	2,500	5,450	2,500	5,400	15,450	2,500	7,100	9,500	58,950
Unallocated - Surplus(Shortfall)	0	-	3,121	(325)	(455)	13,843	18,388	23,812	(39,809)	(40,576)	2,683	(19,319)
Total Expenditures (Net)	136,853	122,362	154,472	171,203	171,011	140,839	141,417	182,376	183,532	192,418	198,317	1,657,947

APPENDIX “6”

2019-2028 CAPITAL PROJECTS

BY WARD

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 1**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 1 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives	0	100	100	100	100	100	100	100	100	100		
<u>Open Space Development</u>												
Churchill Park Master Plan Implementation Phase 2	0	0	2,309	0	0	0	0	0	0	0	2010	2021
Alexander Park Skate Park	532	0	0	0	0	0	0	0	0	0	2019	2019
HAAA - Implementation of Master Plan	171	0	1,307	0	0	0	0	0	0	0	2019	2021
Strathcona Pedestrian Bridge	0	0	0	0	0	0	0	0	0	418	2028	2029
Sub - Total Open Space Development	703	0	3,616	0	0	0	0	0	0	418		
<u>Recreation Facilities</u>												
Victoria Park Outdoor Pool - Redevelopment	0	300	2,500	0	0	0	0	0	0	0	2020	2021
Ryerson Recreation Centre - Refurbishing	0	0	0	300	2,200	0	0	0	0	0	2022	2023
Sub - Total Recreation Facilities	0	300	2,500	300	2,200	0	0	0	0	0		
<u>Roads</u>												
Locke - Herkimer to Main	4,400	0	0	0	0	0	0	0	0	0	2018	2019
Asset Preservation - Westdale South Neighbourhood (North Section)	2,517	0	0	0	0	0	0	0	0	0	2019	2019
Council Priority - Ward 1 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Haddon - Sterling to Marion	840	0	0	0	0	0	0	0	0	0	2019	2019
Jones / Oxford / Tecumseh (Strathcona Neighbourhood)	0	100	100	1,360	0	0	0	0	0	0	2020	2022
Carling / Macklin St S / Olmstead / Tope (Westdale South)	0	100	100	1,500	0	0	0	0	0	0	2020	2022
Florence/Head/Morden/Napier/Nelson/Peel/Wellesley (Strathcona Neighbourhood)	0	0	100	100	2,040	0	0	0	0	0	2021	2023
Asset Preservation - Westdale South Neighbourhood (South Section)	0	0	0	0	2,900	0	0	0	0	0	2023	2023
Asset Preservation - Strathcona Neighbourhood	0	0	0	0	0	800	0	0	0	0	2024	2024
RECOMMENDED UNAFFORDABLE - Aberdeen - Longwood to Queen	0	1,300	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Roads	7,957	1,700	500	3,160	5,140	1,000	200	200	200	200		
<u>West Harbour & Waterfront Strategic Initiatives</u>												
Pier 5-7 Marina Shoreline Rehab	810	0	0	0	0	0	0	0	0	0	2015	2019
Sub - Total West Harbour & Waterfront Strate	810	0	0	0	0	0	0	0	0	0		
Total Public Works Tax Funded	9,470	2,000	6,616	3,460	7,340	1,000	200	200	200	618		
Grand Total	9,470	2,100	6,716	3,560	7,440	1,100	300	300	300	718		

**CITY OF HAMILTON
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FOR WARD 2**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 2 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives	0	100	100	100	100	100	100	100	100	100		
<u>Hamilton Fire Department</u>												
Station 13 Renovation	100	0	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Hamilton Fire Department	100	0	0	0	0	0	0	0	0	0		
Total Healthy and Safe Communities	100	0	0	0	0	0	0	0	0	0		
<u>Parking Services</u>												
Parking Control Squad Room	30	0	0	0	0	0	0	0	0	0	2019	2019
Fire System Replacement	0	100	0	0	0	0	50	0	0	0	2020	2025
Elevator Upgrades - Convention Centre Parking Garage	0	0	50	0	0	0	0	50	0	0	2021	2026
Sub - Total Parking Services	30	100	50	0	0	0	50	50	0	0		
<u>Tourism & Culture</u>												
St. Mark's Interior Restoration	1,000	0	0	0	0	0	75	0	200	0	2017	2025
Whitehern Building Repairs	0	137	115	155	325	85	95	0	75	0	2020	2027
Sub - Total Tourism & Culture	1,000	137	115	155	325	85	170	0	275	0		
Total Planning & Economic Development	1,030	237	165	155	325	85	220	50	275	0		
<u>Corporate Facilities</u>												
Central Library Window Replacement	1,200	0	0	0	0	0	0	0	0	0	2017	2023
Capital Lifecycle Renewal - Hamilton Farmer's Market	550	1,970	0	0	0	0	0	0	0	0	2019	2023
125 Barton - Yard Relocation Accommodation	0	0	0	0	0	0	0	0	6,600	0	2027	2027
Sub - Total Corporate Facilities	1,750	1,970	0	0	0	0	0	0	6,600	0		
<u>Entertainment Facilities</u>												
Program FirstOntario Concert Hall Replacements and Renovations	100	100	0	0	0	0	0	0	0	0	2018	2020
Program HCC, FOCH & FOC Lifecycle Renewal	539	800	800	800	800	800	800	800	800	800	2019	Ongoing
Summer's Lane Structural Rehab & Pedestrianization	1,950	0	0	0	0	0	0	0	0	0	2019	2019
Expansion Joint Replacement Commonwealth Square	250	0	0	0	0	0	0	0	0	0	2019	2019
Commonwealth Square Timber Railing Replacement	0	400	0	0	0	0	0	0	0	0	2020	2020

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
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FOR WARD 2**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Entertainment Facilities</u>												
First Ontario Courtyard	0	168	0	0	0	0	0	0	0	0	2020	2020
Commonwealth Square Paver Rehabilitation	0	2,400	0	0	0	0	0	0	0	0	2019	2019
FOC Capital Lifecycle Renewal	0	6,550	7,000	8,000	7,000	5,000	8,500	8,400	8,400	8,400	2019	Ongoing
Sub - Total Entertainment Facilities	2,839	10,418	7,800	8,800	7,800	5,800	9,300	9,200	9,200	9,200		
<u>Open Space Development</u>												
City Hall Peace Garden	90	0	0	0	0	0	0	0	0	0	2019	2019
Gore Master Plan (Open Space Development Blk)	0	1,800	0	0	0	0	0	0	0	0	2016	2020
Eastwood Park Redevelopment	0	0	100	700	0	0	0	0	0	0	2021	2022
Beasley Park - Kelly Street Pedestrianization	0	550	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Open Space Development	90	2,350	100	700	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Parks North Yard at Bayfront Park	800	0	0	0	0	0	0	0	0	0	2018	2019
Freon Upgrades at Eastwood Arena	0	1,200	0	0	0	0	0	0	0	0	2020	2020
Bennetto Recreation Centre - Expansion	0	0	0	0	0	0	0	0	0	6,400	2028	2028
Sub - Total Recreation Facilities	800	1,200	0	0	0	0	0	0	0	6,400		
<u>Roads</u>												
North End Traffic Management Plan (NETMP) Study	50	0	0	0	0	0	0	0	0	0	2017	2019
Strachan - James to east end	100	100	1,150	0	0	0	0	0	0	0	2019	2021
Council Priority - Ward 2 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Sheaffe / Park / Mulberry (Central Neighbourhood (North))	2,710	0	0	0	0	0	0	0	0	0	2019	2019
Area Rating - Ferguson - Simcoe to Burlington	1,100	0	0	0	0	0	0	0	0	0	2017	2019
New Traffic Signal - Hughson at Hunter	100	0	0	0	0	0	0	0	0	0	2019	2019
Asset Preservation - Central Neighbourhood	0	620	0	0	0	0	0	0	0	0	2020	2020
Burlington - James to Ferguson	0	0	0	720	0	0	0	0	0	0	2022	2022
Jame - St. James Place to Herkimer	0	0	0	0	0	160	0	0	0	0	2024	2024
Ferguson/Foster/Walnut/Patrick	0	0	0	0	0	380	0	0	0	0	2024	2024
Charlton - Victoria to Cumberland	0	0	0	0	0	0	0	0	0	500	2028	2028
Sub - Total Roads	4,260	920	1,350	920	200	740	200	200	200	700		
<u>West Harbour & Waterfront Strategic Initiatives</u>												
Marina Services & Gas Dock	500	0	0	0	0	0	0	0	0	0	2015	2019
Real Estate Disposition Process	250	150	150	0	0	0	0	0	0	0	2016	2021
Pier 5-7 Boardwalk	2,190	2,900	1,100	0	0	0	0	0	0	0	2016	2021
Pier 8 Shorewall	3,400	0	0	0	0	0	0	0	0	0	2016	2019

**CITY OF HAMILTON
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	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>West Harbour & Waterfront Strategic Initiatives</u>												
Macassa Bay Shoreline Improvements	300	4,955	0	0	0	0	0	0	0	0	2018	2020
Macassa Bay Boardwalk and Trail	200	6,800	0	0	0	0	0	0	0	0	2018	2020
West Harbour Public Art	260	120	160	0	310	0	0	0	0	0	2018	2023
Pier 6 Artisan Village	0	0	3,000	0	0	0	0	0	0	0	2016	2021
Pier 4 Park Trail / Pathway Upgrades	0	150	1,180	0	0	0	0	0	0	0	2020	2021
Bayfront Park Upgrades Ph 2 (Washrooms/Concessions)	0	325	2,650	3,465	0	0	0	0	0	0	0	Ongoing
West Harbour Parking Garage	0	3,180	1,000	14,300	14,300	0	0	0	0	0	2020	2023
Police Marine Facility Replacement	0	450	4,700	0	0	0	0	0	0	0	2020	2021
Pier 8 Greenway	0	0	1,270	0	0	0	0	0	0	0	2021	2021
Bayfront Park Upgrades Ph 3 (Entrance Fountain)	0	0	810	0	0	0	0	0	0	0	2021	2021
Bayview Park Remediation and Redevelopment	0	0	0	315	1,250	1,235	0	0	0	0	2022	2024
<i>Sub - Total West Harbour & Waterfront Strate</i>	7,100	19,030	16,020	18,080	15,860	1,235	0	0	0	0		
<i>Total Public Works Tax Funded</i>	16,839	35,888	25,270	28,500	23,860	7,775	9,500	9,400	16,000	16,300		
<i>Grand Total</i>	17,969	36,225	25,535	28,755	24,285	7,960	9,820	9,550	16,375	16,400		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
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FOR WARD 3**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 3 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
<u>Council Strategic Projects</u>												
Fallen Firefighter's Memorial	0	900	0	0	0	0	0	0	0	0	2017	2019
Sub - Total Council Strategic Projects	0	900	0	0	0	0	0	0	0	0		
Total Council Initiatives	0	1,000	100	100	100	100	100	100	100	100		
<u>Tourism & Culture</u>												
Children's Museum Expansion-Exhibits	0	1,055	587	400	315	0	0	100	100	0	2018	2027
Sub - Total Tourism & Culture	0	1,055	587	400	315	0	0	100	100	0		
Total Planning & Economic Development	0	1,055	587	400	315	0	0	100	100	0		
<u>Open Space Development</u>												
Gage Park Redevelopment - Walkway Improvements	0	600	0	0	0	0	0	0	0	0	2012	2020
Stadium Precinct Community Park	0	2,100	5,000	0	0	0	0	0	0	0	2020	2021
Lifesavers Park	0	0	0	0	0	300	0	0	0	0	2024	2024
Sub - Total Open Space Development	0	2,700	5,000	0	0	300	0	0	0	0		
<u>Recreation Facilities</u>												
Pinky Lewis Recreation Centre Expansion Project	0	0	0	250	2,880	0	0	0	0	0	2009	2023
Stadium Precinct Park Fieldhouses & Washrooms	0	5,200	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Recreation Facilities	0	5,200	0	250	2,880	0	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 3 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Sherman Access East Retaining Wall Replacement	170	170	0	1,000	0	0	0	0	0	0	2019	2022
Cheever - Barton to Birge and Birge - Cheever to Wentworth	620	0	0	0	0	0	0	0	0	0	2019	2019
Pedestrian Crossing - Victoria Ave N at Copeland	75	0	0	0	0	0	0	0	0	0	2019	2019
Victoria Ave N - One-way to Two-way Traffic Conversion - Phase 2	450	0	0	0	0	0	0	0	0	0	2019	2019
Bridge 329 - Burlington St E over Wilcox St	0	0	0	300	0	3,000	0	0	0	0	2012	2024
Bridge 313 - Arkledun Ave (Jolley Cut), over Claremont Access	0	0	0	0	0	250	300	0	9,000	0	2018	2027
Wentworth - Wilson to King (LRT Enabling Project)	0	120	0	0	0	0	0	0	0	0	2020	2020

**CITY OF HAMILTON
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FOR WARD 3**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Sherman - King to south end (LRT Enabling Project)	0	900	0	0	0	0	0	0	0	0	2020	2020
Asset Preservation - Industrial Sector A and B Neighbourhood	0	0	1,300	0	0	0	0	0	0	0	2021	2021
Burlington & Industrial - Birch to Gage	0	0	0	0	100	5,200	0	0	0	0	2023	2024
Sanford - Main to Cannon	0	0	0	0	0	0	150	1,480	0	0	2025	2026
Wilson - Wentworth to Sherman	0	0	0	0	0	100	2,300	0	0	0	2024	2025
Industrial - Ottawa to Gage / Gage / Depew	0	0	0	0	0	0	0	2,290	0	0	2026	2026
Sanford - Cannon to Barton	0	0	0	0	0	0	0	0	930	0	2027	2027
Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmure	0	0	0	0	0	0	0	0	2,000	0	2027	2027
Sub - Total Roads	1,515	1,390	1,500	1,500	300	8,750	2,950	3,970	12,130	200		
Total Public Works Tax Funded	1,515	9,290	6,500	1,750	3,180	9,050	2,950	3,970	12,130	200		
Grand Total	1,515	11,345	7,187	2,250	3,595	9,150	3,050	4,170	12,330	300		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 4**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 4 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives	0	100	100	100	100	100	100	100	100	100		
<u>Tourism & Culture</u>												
Steam Museum Landscape Restoration	152	50	0	0	0	0	0	0	0	0	2019	2020
Hamilton Museum of Steam & Technology Keeper Steps	0	200	0	0	0	0	0	0	0	0	2018	2020
Steam Museum Building Expansion	0	0	225	0	100	72	600	372	0	0	2021	2026
Sub - Total Tourism & Culture	152	250	225	0	100	72	600	372	0	0		
Total Planning & Economic Development	152	250	225	0	100	72	600	372	0	0		
<u>Open Space Development</u>												
Andrew Warburton Memorial Park	150	0	840	0	0	0	0	0	0	0	2019	2021
McQuesten Urban Fitness Trail	0	200	0	0	0	0	0	0	0	0	2016	2020
Rennie Street Works Yard - Proposed Park	0	0	500	0	0	0	0	0	0	0	2021	2021
Leaside Park Redevelopment	0	0	0	0	400	0	0	0	0	0	2023	2023
W4 Pipeline Trail	0	528	100	600	0	0	0	0	0	0	2016	2021
Roxborough Park Redevelopment	0	900	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Open Space Development	150	1,628	1,440	600	400	0	0	0	0	0		
<u>Recreation Facilities</u>												
Parkdale Outdoor Pool Redevelopment & Expansion	2,000	0	0	0	0	0	0	0	0	0	2015	2019
Freon Upgrade at Parkdale Arena	1,600	0	0	0	0	0	0	0	0	0	2019	2019
Sir Winston Churchill Recreation Centre - Expansion & Renovation	0	0	0	0	0	0	0	0	0	6,400	2028	2028
Sub - Total Recreation Facilities	3,600	0	0	0	0	0	0	0	0	6,400		
<u>Roads</u>												
Britannia & Cannon - Kenilworth to Strathearne / Garside / Cameron	930	0	0	0	0	0	0	0	0	0	2019	2019
Council Priority - Ward 4 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Barton - Parkdale to Talbot	100	100	1,820	0	0	0	0	0	0	0	2019	2021
Brampton - Parkdale to Strathearne	1,900	0	0	0	0	0	0	0	0	0	2019	2019
Delana / Beland / Dunsmore	100	100	2,610	0	0	0	0	0	0	0	2019	2021
Parkdale - Burlington to north end & Steel City Court	3,500	0	0	0	0	0	0	0	0	0	2019	2019

**CITY OF HAMILTON
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FOR WARD 4**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
Roads												
Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)	100	1,800	0	0	0	0	0	0	0	0	2019	2020
Kenilworth - Barton to Main - Detailed Design	150	550	0	0	0	0	0	0	0	0	2019	2020
IPS - Intersection Pedestrian Signal	100	700	700	700	700	700	700	700	700	700	2019	Ongoing
Main -Queenston Traffic Circle to Delena & Rosewood (LRT Enabling Project)	0	810	0	0	0	0	0	0	0	0	2019	2020
Asset Preservation - Homeside Neighbourhood (South)	0	1,400	0	0	0	0	0	0	0	0	2020	2020
Bridge 327 - Burlington Street Overpass over Strathearne	0	0	300	0	5,200	0	0	0	0	0	2021	2023
Strathearne - Brampton to gate at north end	0	0	150	150	3,000	0	0	0	0	0	2021	2023
Brampton - Parkdale to Woodward	0	0	0	0	150	150	2,100	0	0	0	2023	2025
Asset Preservation - Rosedale Neighbourhood	0	0	0	0	0	3,600	0	0	0	0	2024	2024
Beach - Ottawa to Kenilworth	0	0	0	0	0	0	440	0	0	0	2025	2025
Burlington - Tire to MTO Limit (eastbound lanes)	0	0	0	0	0	0	0	0	0	1,200	2028	2028
Sub - Total Roads	7,080	5,660	5,780	1,050	9,250	4,650	3,440	900	900	2,100		
Total Public Works Tax Funded	10,830	7,288	7,220	1,650	9,650	4,650	3,440	900	900	8,500		
Grand Total	10,982	7,638	7,545	1,750	9,850	4,822	4,140	1,372	1,000	8,600		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 5**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 5 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives												
	0	100	100	100	100	100	100	100	100	100		
<u>Hamilton Public Library</u>												
East Hamilton Replace & Expand	0	0	0	0	0	0	0	0	0	8,500	2026	2027
Sub - Total Hamilton Public Library	0	0	0	0	0	0	0	0	0	8,500		
Total Outside Boards & Agencies												
	0	0	0	0	0	0	0	0	0	8,500		
<u>O & M - Parks & Cemeteries</u>												
Confederation Beach Park - Capital Maintenance Program	175	175	175	175	175	0	0	0	0	0	2019	Ongoing
Rosedale Bowl - Entrance Ditching and Culvert Replacement Project	0	170	0	0	0	0	0	0	0	0	2018	2019
Confederation Beach Park - Capital Maintenance Program	0	110	110	110	110	110	110	110	110	110	2019	Ongoing
Sub - Total O & M - Parks & Cemeteries	175	455	285	285	285	110	110	110	110	110		
<u>Open Space Development</u>												
Confederation Park Redevelopment	2,364	5,046	0	1,449	0	3,514	675	0	0	0	2013	2042
Beach Park Development Program	100	0	0	0	0	0	0	0	0	0	2019	Ongoing
Nash Orchard Park	0	0	15	757	0	0	0	0	0	0	2015	2022
Sub - Total Open Space Development	2,464	5,046	15	2,206	0	3,514	675	0	0	0		
<u>Recreation Facilities</u>												
Riverdale Community Hub	2,000	0	21,000	0	0	0	0	0	0	0	2019	2021
Program - King's Forest Golf Course Improvements	0	0	6,042	0	0	0	0	0	0	0	2021	2021
Sir Wilfrid Laurier Gymnasium Addition.	0	7,550	0	0	0	0	0	0	0	0	2017	2020
Confederation Park Sports Park Buildings	0	5,950	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Recreation Facilities	2,000	13,500	27,042	0	0	0	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 5 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Bridge 048 - Jones St, 110m w/o King St E	30	170	0	500	0	0	0	0	0	0	2019	2022
Bridge 452 - Centennial Pkwy, 990m n/o Ridge	0	0	0	0	300	0	0	6,600	0	0	2017	2026
Bridge 407 - Queenston Rd, 320m e/o Lake Ave	0	200	0	0	0	0	0	0	0	0	2018	2020

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 5**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
Roads												
Bridge 049 - Collegiate Ave, 30m w/o Donn Ave	0	0	0	30	170	0	500	0	0	0	2022	2025
Lake Avenue - Queenston to Barton	0	0	0	150	150	3,400	0	0	0	0	2022	2024
Beach Boulevard - Woodward to Eastport	0	0	0	0	3,910	0	0	0	0	0	2023	2023
South Service Rd - Centennial to Gray	0	0	0	0	0	1,960	0	0	0	0	2024	2024
Van Wagners Beach & Nash	0	0	0	0	0	800	0	0	0	0	2024	2024
Nash - Barton to Bancroft	0	0	0	0	0	360	0	0	0	0	2024	2024
Asset Preservation - Battlefield Neighbourhood	0	0	0	0	0	0	1,600	0	0	0	2025	2025
Sub - Total Roads	230	570	200	880	4,730	6,720	2,300	6,800	200	200		
Total Public Works Tax Funded	4,869	19,571	27,542	3,371	5,015	10,344	3,085	6,910	310	310		
Grand Total	4,869	19,671	27,642	3,471	5,115	10,444	3,185	7,010	410	8,910		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 6**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 6 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives	0	100	100	100	100	100	100	100	100	100		
<u>O & M - Parks & Cemeteries</u>												
Mohawk Sports Park – Bleachers & Shade Structure	0	445	0	0	0	0	0	0	0	0	2019	2019
Sub - Total O & M - Parks & Cemeteries	0	445	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Stonechurch Road Trail Link @ Dartnall	150	0	0	0	0	0	0	0	0	0	2019	2019
Broughton Park West Spray Pad	0	0	65	500	0	0	0	0	0	0	2021	2022
Mohawk Sports Park Sportsfield Lighting	0	0	0	90	0	560	0	0	0	0	2022	2024
Open Space Replacement Strategy - Acquisitions	0	0	0	648	0	0	300	0	0	0	2022	2025
Sub - Total Open Space Development	150	0	65	1,238	0	560	300	0	0	0		
<u>Recreation Facilities</u>												
Mohawk Quad Pad Arena Roof Investigation	250	0	0	0	0	0	0	0	0	0	2019	2019
Bernie Arbour Stadium - Upgrades	0	150	150	150	150	0	0	0	0	0	2016	2023
Huntington Park Recreation Centre Retrofit Phase 2	0	740	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Recreation Facilities	250	890	150	150	150	0	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 6 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Asset Preservation - Trenholme Neighbourhood	0	0	1,400	0	0	0	0	0	0	0	2021	2021
Concession / Mountain Brow - Upper Gage to Upper Ottawa	0	0	0	600	0	0	0	0	0	0	2022	2022
Nebo - Rymal to Stone Church	0	0	0	700	0	0	0	0	0	0	2022	2022
Mohawk - Upper Kenilworth to Mountain Brow	0	0	0	0	0	560	0	0	0	0	2024	2024
Upper Kenilworth - Mohawk to Limeridge	0	0	0	0	0	0	1,300	0	0	0	2025	2025
Upper Ottawa - Stone Church to Reno	0	0	0	0	0	0	0	1,850	0	0	2026	2026
Bruceedale - Upper Gage to Upper Ottawa	0	0	0	0	0	0	0	840	0	0	2026	2026
Mountain Brow Blvd - Mohawk to Limeridge	0	0	0	0	0	0	0	0	960	0	2027	2027
Sub - Total Roads	200	200	1,600	1,500	200	760	1,500	2,890	1,160	200		
Total Public Works Tax Funded	600	1,535	1,815	2,888	350	1,320	1,800	2,890	1,160	200		
Grand Total	600	1,635	1,915	2,988	450	1,420	1,900	2,990	1,260	300		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 7**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 7 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
<u>Total Council Initiatives</u>												
	0	100	100	100	100	100	100	100	100	100		
<u>Open Space Development</u>												
HRTMP Initiative 7-1 - Limeridge Mall Hydro Corridor Trail	138	0	500	523	0	0	0	0	0	0	2019	2022
Sam Lawrence Park	0	0	633	0	0	0	0	0	0	0	2016	2021
Eastmount Park Spray Pad Redevelopment	0	0	66	500	0	0	0	0	0	0	2021	2022
Tennis Court Improvements	0	0	0	0	0	0	0	0	200	0	2027	2027
Billy Sherring	0	0	0	0	0	0	0	0	2,452	0	2027	2027
Sub - Total Open Space Development	138	0	1,199	1,023	0	0	0	0	2,652	0		
<u>Recreation Facilities</u>												
Sackville Hill Senior Expansion & Lifecycle Renewal	500	0	0	0	0	0	0	6,000	0	0	2019	2026
Turner Park - Parking Lot	0	550	550	0	0	0	0	0	0	0	2020	2021
Sub - Total Recreation Facilities	500	550	550	0	0	0	0	6,000	0	0		
<u>Roads</u>												
Council Priority - Ward 7 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Bruce Dale - Upper Wentworth to Upper Sherman (Eastmount Neighbourhood)	1,950	0	0	0	0	0	0	0	0	0	2019	2019
Asset Preservation - Eastmount Neighbourhood	0	1,920	0	0	0	0	0	0	0	0	2020	2020
Upper Wentworth - LINC to Mohawk	0	0	0	0	1,600	0	0	0	0	0	2023	2023
Upper Wentworth - Fennell to Mohawk	0	0	0	0	700	0	0	0	0	0	2023	2023
Fennell - Upper Wentworth to Upper Sherman	0	0	0	0	0	0	0	0	660	0	2027	2027
Rymal - Upper Wellington to Upper Wentworth	0	0	0	0	0	0	0	0	100	100	2027	2030
Upper Sherman - LINC to Mohawk	0	0	0	0	0	0	0	0	0	890	2028	2028
Rymal - Upper Wentworth to Upper Sherman	0	0	0	0	0	0	0	0	0	100	2028	2030
Sub - Total Roads	2,150	2,120	200	200	2,500	200	200	200	960	1,290		
Total Public Works Tax Funded	2,788	2,670	1,949	1,223	2,500	200	200	6,200	3,612	1,290		
Grand Total	2,788	2,770	2,049	1,323	2,600	300	300	6,300	3,712	1,390		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 8**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 8 Capital Reinvestment	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Area Rating Special Capital Reinv	0	100	100	100	100	100	100	100	100	100		
Total Council Initiatives	0	100	100	100	100	100	100	100	100	100		
<u>Open Space Development</u>												
Olmstead Natural Open Space - Monitoring	50	0	0	0	0	0	0	0	0	0	2008	2019
Southam Park Master Plan	0	0	150	0	1,058	0	0	0	0	0	2021	2023
Gourley Park Spray Pad Redevelopment	0	0	66	500	0	0	0	0	0	0	2021	2022
William Connell Phase 3	0	0	0	1,200	0	0	0	0	0	0	2022	2022
Sub - Total Open Space Development	50	0	216	1,700	1,058	0	0	0	0	0		
<u>Recreation Facilities</u>												
Chedoke Splashpad Redevelopment	0	0	0	0	0	0	0	800	0	0	2015	2026
Ward 8 Ice Loop	0	0	0	0	0	0	0	0	0	4,360	2028	2028
Sub - Total Recreation Facilities	0	0	0	0	0	0	0	800	0	4,360		
<u>Roads</u>												
Asset Preservation - Balfour Neighbourhood	2,400	0	0	0	0	0	0	0	0	0	2019	2019
Asset Preservation - Buchanan Neighbourhood	1,700	0	0	0	0	0	0	0	0	0	2019	2019
Council Priority - Ward 8 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Asset Preservation - Bonnington Neighbourhood	0	0	2,600	0	0	0	0	0	0	0	2021	2021
Fennell - Garth to 200m e/o Governors and West 4th to Upper James	0	0	0	1,000	0	0	0	0	0	0	2022	2022
Upper James - Mohawk to Fennell	0	0	0	100	220	4,200	0	0	0	0	2022	2024
West 5th - Rymal to Stone Church (SMA)	0	0	0	0	100	100	2,100	0	0	0	2023	2025
Fennell - Upper James to Upper Wellington	0	0	0	0	0	2,900	0	0	0	0	2024	2024
Asset Preservation - Rolston Neighbourhood (North Section)	0	0	0	0	0	2,300	0	0	0	0	2024	2024
Rymal - Upper James to Upper Wellington	0	0	0	0	0	100	100	3,230	0	0	2024	2026
Asset Preservation - Rolston Neighbourhood (South Section)	0	0	0	0	0	0	3,600	0	0	0	2025	2025
Sub - Total Roads	4,300	200	2,800	1,300	520	9,800	6,000	3,430	200	200		
Total Public Works Tax Funded	4,350	200	3,016	3,000	1,578	9,800	6,000	4,230	200	4,560		
Grand Total	4,350	300	3,116	3,100	1,678	9,900	6,100	4,330	300	4,660		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 9**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
Valley Park Library Expansion	1,100	0	0	0	0	0	0	0	0	0	2017	2019
Sub - Total Hamilton Public Library	1,100	0	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	1,100	0	0	0	0	0	0	0	0	0		
<u>Tourism & Culture</u>												
Battlefield Barn Restoration	500	0	0	0	0	0	0	0	0	0	2019	2021
Sub - Total Tourism & Culture	500	0	0	0	0	0	0	0	0	0		
Total Planning & Economic Development	500	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Heritage Green Community Sports Park Implementation	500	0	1,000	1,000	0	0	0	0	0	0	2015	2022
Red Hill Phase 3 and 4 Park	650	0	0	0	0	0	0	0	0	0	2019	2019
Summit Phase 10	0	500	0	0	0	0	0	0	0	0	2020	2020
Highbury Meadows North Park (Proposed)	0	545	0	0	0	0	0	0	0	0	2018	2020
Cline Park Redevelopment	0	724	0	0	0	0	0	0	0	0	2018	2020
Brooks @ Rymal Park (Proposed) - Summit Ph 10 Development	0	500	0	0	0	0	0	0	0	0	2020	2020
Highland Road Park (Proposed) - Central Park Development	0	0	690	0	0	0	0	0	0	0	2021	2021
The Crossings Park (Proposed)	0	0	0	0	0	0	0	650	0	0	2026	2026
Sub - Total Open Space Development	1,150	2,269	1,690	1,000	0	0	0	650	0	0		
<u>Recreation Facilities</u>												
Valley Park Community Centre Fit-up	1,500	500	0	0	0	0	0	0	0	0	2017	2022
Sub - Total Recreation Facilities	1,500	500	0	0	0	0	0	0	0	0		
<u>Roads</u>												
First Road West - Green Mountain to Mud	4,160	0	0	0	0	0	0	0	0	0	2015	2019
Bridge 366 - Mud St W, 320m e/o Paramount Dr	1,000	0	0	0	0	0	0	0	0	0	2018	2019
Council Priority - Ward 9 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
New Traffic Signal - Rymal Rd west of Walmart Access	100	0	0	0	0	0	0	0	0	0	2019	2019
Traffic Signal Modifications - First Rd at Mud St	150	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - Rymal at Canadian Tire Access	200	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - Rymal (opposite Celestial Crescent)	100	0	0	0	0	0	0	0	0	0	2019	2019
Rymal - Fletcher to Upper Centennial	0	12,100	0	0	0	0	0	0	0	0	2015	2020
Bridge 150 - Tapleystown Rd, 550m n/o Green Mountain Rd E	0	600	0	0	0	0	0	0	0	0	2018	2020

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 9**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Mud - Paramount to Upper Centennial Parkway	0	0	0	2,150	0	0	0	0	0	0	2022	2022
Mud - Winterberry to Paramount	0	0	0	1,340	0	0	0	0	0	0	2022	2022
Highland Rd W - Winterberry to Glenhollow	0	0	0	410	0	0	0	0	0	0	2022	2022
Highland Rd W - First Rd W to Upper Centennial	0	0	0	620	0	0	0	0	0	0	2022	2022
Paramount - Amberwood to Old Mud	0	0	0	0	930	0	0	0	0	0	2023	2023
Paramount - Mud to Amberwood	0	0	0	0	1,100	0	0	0	0	0	2023	2023
Upper Centennial – Rymal to Mud	0	0	0	0	4,400	0	0	0	0	0	2023	2023
Upper Centennial Pkwy - Mud to Green Mountain	0	0	0	0	700	0	0	0	0	0	2023	2023
Paramount - Winterberry to Mud (south side of Mud)	0	0	0	0	0	1,000	0	0	0	0	2024	2024
Sub - Total Roads	5,910	12,900	200	4,720	7,330	1,200	200	200	200	200		
Total Public Works Tax Funded	8,560	15,669	1,890	5,720	7,330	1,200	200	850	200	200		
Grand Total	10,160	15,669	1,890	5,720	7,330	1,200	200	850	200	200		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 10**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
Corporate Facilities												
Stoney Creek City Hall -RCMP Lease Capital Replacement	210	210	210	210	210	210	210	210	210	210	2019	Ongoing
Sub - Total Corporate Facilities	210	210	210	210	210	210	210	210	210	210		
Open Space Development												
Lewis Road Park (Winona)	0	100	0	600	0	0	0	0	0	0	2020	2022
Fruitland/Winona Community Parkland	0	0	3,800	0	0	0	1,100	0	0	0	2025	2025
Hunter Estates Park Sun Shelter	0	0	0	0	0	0	80	0	0	0	2025	2025
Sub - Total Open Space Development	0	100	3,800	600	0	0	1,180	0	0	0		
Recreation Facilities												
Winona Recreation Centre Feasibility (New)	150	0	2,500	24,000	0	0	0	0	0	0	2019	2022
Saltfleet Multi-Use Recreation Complex Feasibility	0	0	100	0	0	0	0	0	0	32,000	2021	2028
Sub - Total Recreation Facilities	150	0	2,600	24,000	0	0	0	0	0	32,000		
Roads												
Hewitson – Dupont to Barton and Dupont	690	0	0	0	0	0	0	0	0	0	2018	2019
Dewitt - Highway 8 to Barton	900	0	0	0	0	0	0	0	0	0	2019	2019
Council Priority - Ward 10 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Fruitland Road By-pass - Barton to Hwy 8	5,280	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - Drakes @ North Service Rd	270	0	0	0	0	0	0	0	0	0	2018	2019
Fifty Road Escarpment Access	0	100	100	2,330	0	0	0	0	0	0	2020	2022
Arvin - Dosco to Jones	0	0	150	150	3,700	0	0	0	0	0	2021	2023
Fruitland - Hwy 8 to Barton	0	0	0	660	0	0	0	0	0	0	2022	2022
Asset Preservation - Dewitt Neighbourhood	0	0	0	4,100	0	0	0	0	0	0	2022	2022
Arvin - Glover to east end	0	0	0	0	650	0	0	0	0	0	2023	2023
Green - Hwy 8 to Barton	0	0	0	0	0	0	550	0	0	0	2025	2025
Green - Barton to South Service	0	0	0	0	0	0	440	0	0	0	2025	2025
Barton St - Fruitland to Fifty (Fruitland - Winona)	0	0	0	0	0	0	150	19,520	0	0	2025	2026
King - Stoney Brook to Highway No. 8	0	0	0	0	0	0	0	1,150	0	0	2026	2026
Fifty Rd - QEW to Hwy. 8	0	0	0	0	0	0	0	2,800	0	0	2026	2026
New Traffic Signal - Fifty @ North Service Rd	0	270	0	0	0	0	0	0	0	0	2018	2020
New Traffic Signal - Fruitland @ North Service Rd	0	270	0	0	0	0	0	0	0	0	2018	2020
Sub - Total Roads	7,340	840	450	7,440	4,550	200	1,340	23,670	200	200		
Total Public Works Tax Funded	7,700	1,150	7,060	32,250	4,760	410	2,730	23,880	410	32,410		
Grand Total	7,700	1,150	7,060	32,250	4,760	410	2,730	23,880	410	32,410		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 11**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
Mount Hope Library Expansion	0	0	0	6,500	0	0	0	0	0	0	2022	2023
Sub - Total Hamilton Public Library	0	0	0	6,500	0	0	0	0	0	0		
<u>Total Outside Boards & Agencies</u>												
	0	0	0	6,500	0	0	0	0	0	0		
<u>Open Space Development</u>												
Lancaster Heights - Developer Build	0	0	700	0	0	0	0	0	0	0	2021	2021
Fletcher Road Parkette (Proposed)	0	0	0	17	0	0	0	153	0	0	2026	2026
Elfrida Secondary Plan Parks	0	0	0	0	0	0	0	0	0	3,050	2028	2028
Sub - Total Open Space Development	0	0	700	17	0	0	0	153	0	3,050		
<u>Recreation Facilities</u>												
Binbrook Recreation Centre Feasibility	100	0	0	0	0	0	0	0	0	27,500	2019	2028
Mt. Hope New Recreation Facility	350	0	0	0	4,500	0	0	0	0	0	2019	2023
Elfrida Recreation Centre Feasibility	0	100	0	0	0	0	0	0	0	27,500	2020	2028
Sub - Total Recreation Facilities	450	100	0	0	4,500	0	0	0	0	55,000		
<u>Roads</u>												
Bridge 417 - Harrison Rd, 310m n/o Hall Rd	500	0	0	0	0	0	0	0	0	0	2014	2019
Barton Street Improvements Class EA (Stoney Creek)	220	0	0	0	0	0	0	0	0	0	2014	2019
Bridge 360 - Blackheath Rd, 360m n/o Haldibrook	580	0	0	0	0	0	0	0	0	0	2015	2019
Bridge 405 - Blackheath Rd, 225m n/o Haldibrook Rd	550	0	0	0	0	0	0	0	0	0	2015	2019
Twenty Road Extension, Schedule C EA	120	0	0	0	0	0	0	0	0	0	2015	2019
Bridge 159 - Regional Rd 56 to 615m s/o Hall Rd	170	0	700	0	0	0	0	0	0	0	2018	2021
Bridge 189 - Regional Rd 56, 565 m s/o Kirk Rd	170	0	300	0	0	0	0	0	0	0	2018	2021
Bridge 441 - Harrison Rd - 665m n/o Hall Rd	580	0	0	0	0	0	0	0	0	0	2018	2019
Dickenson Road Class EA (Upper James to Southcote) (AEGD)	250	0	0	0	0	0	0	0	0	0	2018	2019
Council Priority - Ward 11 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Bridge 126 - Regional Rd 56, 605m n/o Guyatt Rd	170	220	0	0	0	0	0	0	0	0	2019	2020
Bridge 433 - Westbrook Road, 135m n/o Regional Rd 9A	40	0	200	0	0	0	0	0	0	0	2019	2021
Transportation EA - Hwy 56 - Rymal to Binbrook	150	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - RR 56 at Dalgliesh Rd	250	0	0	0	0	0	0	0	0	0	2019	2019
Bridge 404 - Harrison Rd - 910m s/o Kirk Road	0	0	0	1,000	0	0	0	0	0	0	2018	2022
Bridge 437 - Miles Rd, 610m s/o Dickenson Rd E	0	230	0	0	0	0	0	0	0	0	2018	2020
Bridge 444 - Guyatt Rd - 200m w.o. Hendershot Rd	0	170	0	0	0	0	0	0	0	0	2018	2020
Twenty Road Class EA (Upper James to Glancaster)	0	690	0	0	0	0	0	0	0	0	2020	2020
RHVP - Dartnall Road Extension - Twenty to Dickenson	0	150	150	3,120	0	0	0	0	0	0	2020	2022
Binbrook - Royal Winter/Binhaven to Fletcher	0	0	4,500	0	0	0	0	0	0	0	2021	2021

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 11**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Dickenson - Upper James to Glancaster (AEGD)	0	0	0	0	150	150	12,940	0	0	0	2023	2025
Bridge 403 - Harrison Rd, 275m s/o Kirk Rd	0	0	0	0	0	0	100	0	380	0	2025	2027
RHBP - Dickenson - w/o Nebo to w/o Glover	0	0	0	0	0	0	730	150	3,860	0	2025	2027
Bridge 359 - Blackheath to 495m n/o Hall Rd	0	0	0	0	0	0	0	0	30	100	2027	2030
<i>Sub - Total Roads</i>	3,950	1,660	6,050	4,320	350	350	13,970	350	4,470	300		
<i>Total Public Works Tax Funded</i>	4,400	1,760	6,750	4,337	4,850	350	13,970	503	4,470	58,350		
<i>Grand Total</i>	4,400	1,760	6,750	10,837	4,850	350	13,970	503	4,470	58,350		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 12**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
Ancaster Expansion	0	0	0	0	0	0	0	0	11,000	0	2026	2027
Sub - Total Hamilton Public Library	0	0	0	0	0	0	0	0	11,000	0		
Total Outside Boards & Agencies	0	0	0	0	0	0	0	0	11,000	0		
<u>Tourism & Culture</u>												
Griffin House Condition Assessment and Remediation	0	55	0	55	75	0	80	0	0	0	2017	2025
Fieldcote Museum Expansion 2	0	500	0	0	275	275	650	0	100	0	2016	2025
Ancaster Old Town Hall Renovations	0	0	90	290	0	0	0	110	150	0	2021	2027
Sub - Total Tourism & Culture	0	555	90	345	350	275	730	110	250	0		
Total Planning & Economic Development	0	555	90	345	350	275	730	110	250	0		
<u>Open Space Development</u>												
Ancaster Meadows Park (Proposed)	650	0	0	0	0	0	0	0	0	0	2017	2019
Bookjans West Proposed Park (25T 200725) - Ancaster Glen	500	0	0	0	0	0	0	0	0	0	2018	2019
Ancaster Soccer Improvements	350	0	0	0	0	0	0	0	0	0	2019	2019
Meadowlands Community Park	65	410	0	0	0	0	0	0	0	0	2019	2020
Sub - Total Open Space Development	1,565	410	0	0	0	0	0	0	0	0		
<u>Roads</u>												
Southcote - Calder to Garner	150	150	0	3,100	0	0	0	0	0	0	2017	2022
Council Priority - Ward 12 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
New Traffic Signal - Garner @ Hwy 6	400	0	0	0	0	0	0	0	0	0	2019	2019
Springbrook Ave (Phase 2) - Regan to Garner	1,500	1,500	0	0	0	0	0	0	0	0	2019	2020
Miller Drive urbanization - Anson to Garden	570	0	0	0	0	0	0	0	0	0	2019	2019
Highway 403 Ramp Studies	0	0	0	0	0	0	4,030	0	0	0	2015	2025
Bridge 108 - Indian Trail, 1025m w/o Lynden Rd	0	0	400	0	0	0	0	0	0	0	2018	2021
Bridge 019 - Norman Rd, 555m e/o Sager Rd	0	30	170	0	550	0	0	0	0	0	2020	2023
Bridge 372 - Wilson St E, 1700m e/o Rouseaux St (south side original culvert)	0	30	100	0	570	0	0	0	0	0	2020	2023
Book Road Class EA - Hwy 6 to Glanaster	0	690	0	0	0	0	0	0	0	0	2020	2020
Bridge 025 - Lynden Rd, 650m n/o Highway No. 5	0	0	0	30	170	0	500	0	0	0	2022	2025
Bridge 021 - Sager Rd, 475m n/o Patrick Rd	0	0	0	0	0	0	100	30	170	0	2025	2029
Golf Links - bridge over Hwy 403 to Martindale	0	0	0	0	0	0	0	0	0	1,460	2028	2028
McNiven - Rouseaux to Golf Links	0	0	0	0	0	0	0	0	0	2,420	2028	2028
Sub - Total Roads	2,820	2,600	870	3,330	1,490	200	4,830	230	370	4,080		
Total Public Works Tax Funded	4,385	3,010	870	3,330	1,490	200	4,830	230	370	4,080		
Grand Total	4,385	3,565	960	3,675	1,840	475	5,560	340	11,620	4,080		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 13**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
New Library - Greensville	625	0	0	0	0	0	0	0	0	0	2017	2018
Sub - Total Hamilton Public Library	625	0	0	0	0	0	0	0	0	0		
<u>Total Outside Boards & Agencies</u>												
	625	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Johnson Tew Planting	50	50	50	0	0	0	0	0	0	0	2019	2021
Spencer Creek Estates (13)	0	280	0	0	0	0	0	0	0	0	2018	2020
Valley Community Centre Park	0	80	0	0	679	0	0	0	0	0	2020	2023
Morton Park Redevelopment	0	0	60	0	300	0	0	0	0	0	2021	2023
Sub - Total Open Space Development	50	410	110	0	979	0	0	0	0	0		
<u>Recreation Facilities</u>												
Greensville Recreation Centre/School	343	0	0	0	0	0	0	0	0	0	2016	2019
Dundas Valley Community Park Improvement & Pavillion Feasibility	200	0	0	0	0	0	0	0	0	0	2018	2019
Sub - Total Recreation Facilities	543	0	0	0	0	0	0	0	0	0		
<u>Roads</u>												
Bridge 385 - Westover Rd, 170m n/o Concession 4W	500	0	0	0	0	0	0	0	0	0	2016	2019
Baldwin / Court - West St. to Dundas St.	620	0	0	0	0	0	0	0	0	0	2018	2019
Council Priority - Ward 13 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Bridge 342 - Westover Rd, 245m n/o Highway No. 8	170	170	0	770	0	0	0	0	0	0	2019	2022
Brock Rd and Rockton Yard Improvements	150	50	0	0	0	0	0	0	0	0	2019	2020
Bridge 248 - King St W, 145m w/o Bond to Woodleys Lane	0	500	2,500	0	0	0	0	0	0	0	2012	2021
Highway 8 - Woodleys Lane to Hillcrest	0	1,950	0	0	0	0	0	0	0	0	2015	2020
Bridge 090 - McMurray St, 100m s/o of Hatt St	0	300	0	0	0	0	0	0	0	0	2016	2020
Highway 8 - Hillcrest to Park	0	1,610	0	0	0	0	0	0	0	0	2016	2020
Bridge 089 - Creighton Rd, 30 m s/o Mill St	0	70	0	1,000	0	0	0	0	0	0	2018	2022
Bridge 296 - Governors Rd, 45m e/o Ogilvie St	0	170	0	1,300	0	0	0	0	0	0	2018	2022
Cairns / East St N / Sleepy Hollow / Spencer / Wilmar (Hunter Neighbourhood)	0	100	100	2,600	0	0	0	0	0	0	2020	2022
Governor's - Main to Ogilvie	0	0	0	220	0	0	0	0	0	0	2022	2022
Brock - Concession 4 W to Safari	0	0	0	4,000	0	0	0	0	0	0	2022	2022
Bridge 086 - Cross St, 25m s/o Alma	0	0	0	170	170	0	440	0	0	0	2022	2025
Bridge 409 - Regional Rd 97, 230m e/o Valens	0	0	0	100	0	300	0	0	0	0	2022	2024
Asset Preservation - Creighton West Neighbourhood	0	0	0	0	2,100	0	0	0	0	0	2023	2023
Asset Preservation - Hunter Neighbourhood	0	0	0	0	1,600	0	0	0	0	0	2023	2023

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 13**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Olympic - York to Cootes	0	0	0	0	0	880	0	0	0	0	2024	2024
Asset Preservation - York Heights Neighbourhood	0	0	0	0	0	2,300	0	0	0	0	2024	2024
<i>Sub - Total Roads</i>	1,640	5,120	2,800	10,360	4,070	3,680	640	200	200	200		
<i>Total Public Works Tax Funded</i>	2,233	5,530	2,910	10,360	5,049	3,680	640	200	200	200		
<i>Grand Total</i>	2,858	5,530	2,910	10,360	5,049	3,680	640	200	200	200		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 14**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
Open Space Development												
Shawinigan Park Spray Pad Redevelopment	0	0	66	502	0	0	0	0	0	0	2021	2022
Sub - Total Open Space Development	0	0	66	502	0	0	0	0	0	0		
Roads												
Asset Preservation - Mountview Neighbourhood (Southwest Section)	2,290	0	0	0	0	0	0	0	0	0	2019	2019
Council Priority - Ward 14 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Scenic - Chateau Crt to Upper Paradise	0	0	0	1,000	0	0	0	0	0	0	2022	2022
Scenic - Mohawk to Chateau Crt	0	0	0	0	840	0	0	0	0	0	2023	2023
Rymal - Glanaster to Upper Paradise	0	0	0	0	0	100	2,130	0	0	0	2024	2025
Upper Paradise - Sanatorium to Scenic	0	0	0	0	0	0	740	0	0	0	2025	2025
Scenic - Upper Paradise to Garth & Denlow	0	0	0	0	0	0	100	100	2,980	0	2025	2027
Sub - Total Roads	2,490	200	200	1,200	1,040	300	3,170	300	3,180	200		
Total Public Works Tax Funded	2,490	200	266	1,702	1,040	300	3,170	300	3,180	200		
Grand Total	2,490	200	266	1,702	1,040	300	3,170	300	3,180	200		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 15**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Fire Department</u>												
Greater Flamborough/Carlisle/Waterdown - Shared Fire & Paramedic Station	1,500	7,849	3,300	0	0	0	0	0	0	0	2019	2021
Sub - Total Hamilton Fire Department	1,500	7,849	3,300	0	0	0	0	0	0	0		
Total Healthy and Safe Communities	1,500	7,849	3,300	0	0	0	0	0	0	0		
<u>Hamilton Public Library</u>												
Carlisle Library Replacement	0	2,250	0	0	0	0	0	0	0	0	2019	2020
Sub - Total Hamilton Public Library	0	2,250	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	0	2,250	0	0	0	0	0	0	0	0		
<u>O & M - Parks & Cemeteries</u>												
Memorial Park Storm Water Management Study	90	0	0	0	0	0	0	0	0	0	2019	2019
Sub - Total O & M - Parks & Cemeteries	90	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Gatesbury Park	89	0	409	0	0	0	0	0	0	0	2019	2021
HRTMP Initiative 15-12 Mountain Brow Road Link	43	327	0	0	0	0	0	0	0	0	2019	2020
HRTMP Initiative 15-7: Highway 5 - Mountain Brow Link	613	0	0	0	0	0	0	0	0	0	2019	2019
Skinner Park Waterdown South Neighbourhood Park 1	0	650	0	0	0	0	0	0	0	0	2020	2020
Waterdown South Neighbourhood Park 3 (East Side) - Smoky Hollow	0	0	596	0	0	0	0	0	0	0	2021	2021
Waterdown South Parkette 1 (Burke St.)	0	0	140	0	0	0	0	0	0	0	2021	2021
Parkside Hills	0	0	0	766	0	0	0	0	0	0	2022	2022
Clear Skies Proposed Park	0	0	0	0	0	95	775	0	0	0	2024	2025
Waterdown South Parkette 2 (King St. & Mountainbrow)	0	0	0	0	0	0	0	155	0	0	2026	2026
Waterdown South Parkette 3 (Proposed)	0	0	0	0	0	0	0	80	0	0	2026	2026
Sub - Total Open Space Development	745	977	1,145	766	0	95	775	235	0	0		
<u>Recreation Facilities</u>												
Waterdown Pool and Recreation Centre Feasibility	0	0	0	0	2,200	22,000	0	0	0	0	2023	2024
Sub - Total Recreation Facilities	0	0	0	0	2,200	22,000	0	0	0	0		
<u>Roads</u>												
Waterdown - Burlington Road Upgrades	5,380	0	9,990	0	0	0	0	0	0	0	2013	2021
Braeheid - Parkside to Riley	900	0	0	0	0	0	0	0	0	0	2019	2019

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
FOR WARD 15**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
Roads												
Council Priority - Ward 15 Minor Rehabilitation	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
New Traffic Signal - Dundas at Pamela/Riverwalk	230	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - Dundas at Mallard Trail/Springcreek	230	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal - Waterdown Rd/Mill St @ Mountain	250	0	0	0	0	0	0	0	0	0	2019	2019
Bridge 451 - Hwy 5 E, 120m e/o Mill St S	0	0	0	0	0	5,500	0	0	0	0	2012	2024
East-West Road Corridor (Waterdown By-Pass)	0	18,700	0	0	0	0	0	0	0	0	2013	2020
Bridge 346 - Centre Rd, 195m s/o Carlisle Rd	0	0	0	170	170	0	330	0	0	0	2022	2025
Bridge 347 - Carlisle Rd, 355 m w/o Wildberry Way	0	0	0	130	170	0	1,100	0	0	0	2022	2025
Asset Preservation - Waterdown Neighbourhood (Central East Section)	0	0	0	0	0	0	0	3,600	0	0	2026	2026
Sub - Total Roads	7,190	18,900	10,190	500	540	5,700	1,630	3,800	200	200		
Total Public Works Tax Funded	8,025	19,877	11,335	1,266	2,740	27,795	2,405	4,035	200	200		
Grand Total	9,525	29,976	14,635	1,266	2,740	27,795	2,405	4,035	200	200		

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
MULTI-WARD**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
Winona/ Stoney Creek Library Construction	0	0	0	0	0	8,500	0	0	0	0	2024	2025
Lower City New/ Expanded Library	0	0	0	0	0	0	8,500	0	0	0	2024	2025
Downtown Stoney Creek	0	0	0	0	0	0	0	0	0	8,500	2026	2027
Sub - Total Hamilton Public Library	0	0	0	0	0	8,500	8,500	0	0	8,500		
<u>Police Services</u>												
Police Station 40 (New Division 4)	0	0	0	0	0	0	25,000	0	0	0	2025	2025
Sub - Total Police Services	0	0	0	0	0	0	25,000	0	0	0		
Total Outside Boards & Agencies	0	0	0	0	0	8,500	33,500	0	0	8,500		
<u>Urban Renewal</u>												
Barton/Kenilworth Commercial Corridor Building Grant Program	200	350	350	350	350	350	350	350	350	350	2017	Ongoing
Barton and Kenilworth Rebate of Planning and Building Fees	100	230	230	230	230	230	230	230	230	230	2017	2021
Sub - Total Urban Renewal	300	580	580	580	580	580	580	580	580	580		
Total Planning & Economic Development	300	580	580	580	580	580	580	580	580	580		
<u>Open Space Development</u>												
Open Space Replacement Strategy-East Mtn Trail Loop	300	0	200	0	0	0	0	0	0	0	2010	2021
Mountain Brow Path	80	600	0	300	80	1,400	100	700	0	100	2017	2029
Chedoke Falls Viewing Implementation	291	2,109	183	2,205	0	0	0	0	0	0	2019	2022
City wide Shoreline Protection Measures	150	6,800	0	0	0	0	0	0	0	0	2019	Ongoing
Sub - Total Open Space Development	821	9,509	383	2,505	80	1,400	100	700	0	100		
<u>Roads</u>												
RHBP - Nebo - Rymal to Twenty	150	4,650	0	0	0	0	0	0	0	0	2015	2020
Highway 8 Improvements Class EA (Stoney Creek)	220	0	0	0	0	0	0	0	0	0	2017	2019
RHVP Rehabilitation	8,750	0	0	0	0	0	0	0	0	0	2018	2019
Claremont Access - Bin Wall Removal	280	0	4,500	0	170	0	3,000	0	0	0	2018	2025
North Service Rd - Centennial Pkwy to Drakes	900	0	0	0	0	0	0	0	0	0	2019	2019
York - Caroline to Dundurn & Cannon - James to York (LRT Enabling)	90	2,380	0	0	0	0	0	0	0	0	2019	2020
MTO/City Cost Shared Service Rd Culverts	2,000	3,000	0	0	0	0	0	0	0	0	2019	2020
Glancaster Road Class EA (Garner to Dickenson) (AEGD)	690	0	0	0	0	0	0	0	0	0	2019	2019
New Traffic Signal Installation Program	850	0	0	0	0	0	0	0	0	0	2019	Ongoing
APS - Accessible Pedestrian Signals	150	150	150	150	150	150	150	150	150	150	2019	Ongoing

**CITY OF HAMILTON
2019 RECOMMENDED PROJECTS &
2020-2028 FORECAST
MULTI-WARD**

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
RR 56 - Rymal to south limit of ROPA 9	0	6,360	0	0	0	0	0	0	0	0	2017	2020
Osler - South St to West Park	0	100	100	2,020	0	0	0	0	0	0	2020	2022
LINC Rehabilitation	0	15,250	15,250	0	0	0	0	0	0	0	2020	2021
Kenilworth Access - Mountain Brow to Kenilworth	0	0	0	4,300	0	0	0	0	0	0	2022	2022
Bridge 301 - Cootes Dr, 660m e/o Olympic Dr	0	0	0	170	170	0	890	0	0	0	2022	2025
Upper Wellington - Bryna to Mohawk	0	0	0	100	100	2,800	0	0	0	0	2022	2024
Lake Avenue - Barton to South Service	0	0	0	0	150	150	1,900	0	0	0	2023	2025
Upper Gage - Mohawk to Seventh Ave	0	0	0	0	0	800	0	0	0	0	2024	2024
Gray - King to Hwy 8	0	0	0	0	0	0	510	0	0	0	2025	2025
Grays - Barton to Community	0	0	0	0	0	0	1,000	0	0	0	2025	2025
New Mountain Rd - Ridge to King	0	0	0	0	0	0	150	150	1,800	0	2025	2027
Claremont Access - Inverness to Main	0	0	0	0	0	0	0	0	3,000	0	2027	2027
Burlington & Industrial - Ottawa to Kenilworth	0	0	0	0	0	0	0	0	4,390	0	2027	2027
Glancaster - Garner to Dickenson (AEGD)	0	0	0	0	0	0	0	0	2,220	10,180	2027	2028
Upper Gage - LINC to Mohawk	0	0	0	0	0	0	0	0	0	1,250	2028	2028
Wentworth - Cumberland to King	0	0	0	0	0	0	0	0	0	460	2028	2028
RECOMMENDED UNAFFORDABLE - South Mountain East-West Arterial Traffic Management Plan	0	150	0	0	0	0	0	0	0	0	2019	2019
RECOMMENDED UNAFFORDABLE - Rymal - Dartnall to Springside - Detailed Design	0	150	0	0	0	0	0	0	0	0	2019	2019
<i>Sub - Total Roads</i>	14,080	32,190	20,000	6,740	740	3,900	7,600	300	11,560	12,040		
<u>Waste Management</u>												
Waste Collection Equipment - Downtown/BIA	165	0	0	0	0	0	0	0	0	0	2019	2019
Cigarette Butt Receptacle	50	0	0	0	0	0	0	0	0	0	2019	2019
<i>Sub - Total Waste Management</i>	215	0	0	0	0	0	0	0	0	0		
<i>Total Public Works Tax Funded</i>	15,116	41,699	20,383	9,245	820	5,300	7,700	1,000	11,560	12,140		
<i>Grand Total</i>	15,416	42,279	20,963	9,825	1,400	14,380	41,780	1,580	12,140	21,220		

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	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
City Manager												
Digital Office: Smart City and Digital Transformation Program	1,000	50	300	300	0	0	0	0	0	0	2019	2022
City Hall Digital Sign Replacement	125	0	0	0	0	0	0	0	0	0	2019	2019
Enhancing City of Hamilton App for citizen services	0	45	25	25	0	0	0	0	0	0	2018	2022
Digital/Open Data Infrastructure	0	325	100	100	100	0	0	0	0	0	2018	2021
Sub - Total City Manager	1,125	420	425	425	100	0	0	0	0	0		
Customer Service & POA												
Corporate Wide Customer Experience Feedback Program	286	15	0	0	0	0	0	0	0	0	2019	2022
SharePoint Upgrade	0	200	0	0	0	0	0	0	0	0	2019	2019
Customer Portal and Single Billing	0	750	750	0	0	0	0	0	0	0	2019	2022
Sub - Total Customer Service & POA	286	965	750	0	0	0	0	0	0	0		
Finance												
DC Exemptions Recovery	6,500	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	2017	2018
2021 Development Charges' Bylaw Studies	0	0	650	0	0	0	0	0	0	0	2021	2022
2026 Development Charges' Bylaw Studies	0	0	0	0	0	0	0	730	0	0	2026	2026
Budget Operating System Upgrade	0	180	0	0	380	0	0	0	0	0	2015	2023
Capital Budget System Upgrade	0	0	50	0	0	50	0	0	50	0	2017	Ongoing
Sub - Total Finance	6,500	6,180	6,700	6,000	6,380	6,050	6,000	6,730	6,050	6,000		
Information Technology (IT)												
IT Security	156	192	142	0	0	0	0	0	0	0	2016	2021
Network Infrastructure Sustainability and Continuous Improvement	194	126	105	0	0	0	0	0	0	0	2017	2021
IT Strategy - Strategic Theme Mobility	50	0	0	0	0	0	0	0	0	0	2019	2021
IT Strategy - Strategic Theme IT Optimization	100	300	50	50	0	0	0	0	0	0	2019	2022
IT Strategy - Strategic Theme Integrated & Connected	50	25	220	25	0	0	0	0	0	0	2019	2022
IT Strategy and Enterprise Architecture	390	25	25	0	0	0	0	0	0	0	2018	2021
Data Centre HVAC	200	0	0	0	0	0	0	0	0	0	2018	2019
Document Workflow and Approvals	0	100	0	0	0	0	0	0	0	0	2019	2019
IT Strategy - Strategic Theme Enabling Our People	600	247	60	155	0	0	0	0	0	0	2019	2022
Business Systems and Services Continuity Plan	100	100	0	0	0	0	0	0	0	0	2019	2021
Messaging (Email) Platform Migration	596	295	0	0	0	0	0	0	0	0	2019	2020
Sub - Total Information Technology (IT)	2,436	1,410	602	230	0	0	0	0	0	0		
Total Corporate Services	9,222	8,555	8,052	6,230	6,380	6,050	6,000	6,730	6,050	6,000		

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<u>Council Strategic Projects</u>												
Randle Reef Rehabilitation Project	375	375	375	0	0	0	0	0	0	0	2009	2021
Parkland Acquisition	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	2019	Ongoing
Council Initiated Strategic Projects	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2012	Ongoing
Sub - Total Council Strategic Projects	1,875	3,875	3,875	3,500	3,500	3,500	3,500	3,500	3,500	3,500		
Total Council Initiatives	1,875	3,875	3,875	3,500	3,500	3,500	3,500	3,500	3,500	3,500		
<u>Hamilton Fire Department</u>												
Multi Agency Training Centre - Facility Upgrades	250	0	0	0	0	0	0	0	0	0	2019	2019
Ice Water Rescue	200	0	0	0	0	0	0	0	0	0	2019	2019
Station 24 Renovation	0	0	300	0	0	0	0	0	0	0	2021	2021
Annual Fire Equipment Replacement	1,268	566	569	705	2,205	2,560	1,451	1,623	851	746	2019	2019
Annual Fire Vehicle Replacement	5,405	4,485	1,648	5,678	3,130	1,044	4,475	190	2,100	8,955	2019	2019
SCBA Complete Unit Replacement	0	0	5,600	0	0	0	0	0	0	0	2021	2021
Sub - Total Hamilton Fire Department	7,123	5,051	8,117	6,383	5,335	3,604	5,926	1,813	2,951	9,701		
<u>Hamilton Paramedic Service</u>												
Paramedic Helmet Replacement	172	0	0	0	0	0	0	0	0	0	2019	2019
Ambulance Enhancement	260	265	270	275	0	0	0	0	0	0	2019	2019
Annual Paramedic Service Vehicle Replacement	1,269	1,414	2,007	1,190	789	1,302	1,328	1,592	2,365	1,119	2019	2019
Annual Paramedic Service Equipment Replacement	265	2,461	122	2,321	1,076	273	146	316	2,831	1,149	2019	2019
Sub - Total Hamilton Paramedic Service	1,966	4,140	2,399	3,786	1,865	1,575	1,474	1,908	5,196	2,268		
<u>Healthy and Safe Communities- Other Divisions</u>												
Human Services Integration - Continuous Improvement Projects	160	0	0	0	0	0	0	0	0	0	2019	2019
Hamilton's Community Bed Bug Strategy	158	0	0	0	0	0	0	0	0	0	2016	2019
Sub - Total HSC- Other Divisions	318	0	0	0	0	0	0	0	0	0		
<u>Housing Services</u>												
Social Housing Capital Repairs and Regeneration	500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2019	Ongoing
Poverty Reduction Investment (PRI) - Affordable Rental Housing Construction	4,000	4,000	4,000	0	0	0	0	0	0	0	2017	2021
Poverty Reduction Investment (PRI) - Indigenous Poverty Reduction	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	2018	2027
Poverty Reduction Investment (PRI) - Social Housing Repairs & Renovations	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2018	2027
Sub - Total Housing Services	7,500	8,000	8,000	4,000	4,000	4,000	4,000	4,000	4,000	1,000		

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	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Long Term Care Homes</u>												
ML - Roof Replacement	753	811	482	859	562	0	0	0	0	0	2018	2023
ML - Refurbishment of A Wing	0	0	0	0	120	1,110	655	0	0	0	2023	2025
ML & WL - Circulation Pumps (Cooling and Heating)	0	10	417	0	0	0	0	0	0	0	2020	2021
ML - Refurbish Basement	0	0	0	0	0	50	454	500	0	0	2024	2026
ML - Carpet Removal (Wing C1 East)	0	0	271	0	0	0	0	0	0	0	2021	2021
WL - 1989 Wing Roof Replacement	332	0	0	0	0	0	0	0	0	0	2018	2019
ML - D Wing- Refurbishment	60	0	0	0	0	0	0	0	0	0	2019	2019
ML & WL - Parking Lot Resurfacing	0	0	15	742	0	0	0	0	0	0	2021	2022
ML & WL - Security Systems	0	200	0	0	0	0	0	0	0	0	2020	2020
ML - Building Components Study	0	60	0	0	0	0	0	0	0	0	2020	2020
WL - Main Entrance Redesign	50	0	0	0	0	0	0	0	0	0	2019	2019
WL - Dish Room/Physio & Salon Exhaust & Supply	25	193	0	0	0	0	0	0	0	0	2019	2020
WL - Radiant Heating Panel/Thermostat Controls	25	132	0	0	0	0	0	0	0	0	2019	2020
WL - Servery Retrofit (Cabinet and Counter Replacement)	30	198	0	0	0	0	0	0	0	0	2019	2020
ML & WL - Annual Resident Care Equipment Replacement	80	60	155	50	168	180	320	70	125	0	2019	2027
ML - Rooftop Unit (HVAC) Replacement	80	0	0	0	0	0	0	0	0	0	2019	2019
WL - Vinyl Flooring Replacement	0	0	0	15	398	398	0	0	0	0	2022	2024
Sub - Total Long Term Care Homes	1,435	1,664	1,340	1,666	1,248	1,738	1,429	570	125	0		
Total Healthy and Safe Communities	18,342	18,855	19,856	15,835	12,448	10,917	12,829	8,291	12,272	12,969		
<u>CityHousing Hamilton</u>												
City Housing Contribution	500	500	500	500	500	500	500	500	500	0	2019	Ongoing
Sub - Total CityHousing Hamilton	500	500	500	500	500	500	500	500	500	0		
<u>H.C.A. & Westfield Heritage Village</u>												
Hamilton Conservation Authority Critical and Safety Projects	1,850	1,850	1,850	1,850	1,850	1,850	1,850	1,850	1,850	1,850	2019	Ongoing
Westfield Heritage Village - Critical and/or Safety Projects	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
Sub - Total H.C.A. & Westfield Heritage Village	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000		
<u>Hamilton Beach Rescue (HBRU)</u>												
HBRU Renovations & Equipment Purchases	70	70	70	70	70	70	70	70	70	70	2019	Ongoing
Sub - Total Hamilton Beach Rescue (HBRU)	70	70	70	70	70	70	70	70	70	70		
<u>Police Services</u>												
Police Computer Aided Dispatch (CAD) Upgrade	400	0	0	0	0	0	0	0	0	0	2019	2019
Ice Rescue Equipment	0	80	0	0	0	0	0	0	0	0	2018	2019

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<u>Police Services</u>												
Command Van	0	750	0	0	0	0	0	0	0	0	2016	2016
Communications Centre Expansion	0	500	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Police Services	400	1,330	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	2,970	3,900	2,570	2,570	2,570	2,570	2,570	2,570	2,570	2,070		
<u>Economic Development</u>												
Economic Development Initiatives	765	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2017	Ongoing
Sub - Total Economic Development	765	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000		
<u>Growth Management</u>												
City Share of Servicing Costs under Subdivision Agreements	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2019	Ongoing
Sub - Total Growth Management	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000		
<u>Licensing & By-Law Services</u>												
Vehicle Purchases - Licensing	90	30	30	30	30	30	30	30	30	30	2019	Ongoing
Digital Signage Strategy	90	0	0	0	0	0	0	0	0	0	2019	2019
Handheld Ticketing Device-System Integration	200	185	0	0	0	0	0	0	0	0	2019	2020
Sub - Total Licensing & By-Law Services	380	215	30	30	30	30	30	30	30	30		
<u>Parking Services</u>												
Parking Lots - Surface Repairs	100	100	0	0	100	0	0	100	0	0	2014	Ongoing
Parking Payment Equipment	100	0	0	0	0	0	0	0	0	0	2017	2019
Waterproofing Membrane Replacement - Convention Centre Parking Garage	50	500	500	500	500	500	500	0	0	0	2019	2025
Parking Master Plan Consultant	200	0	0	0	0	0	0	0	0	0	2019	2020
Online Parking Permitting Module	100	0	0	0	0	75	0	0	0	0	2019	2024
Pay-on-Foot System Replacement - York Blvd Parkade and Convention Centre Parking Garage	550	0	0	0	0	500	0	0	0	0	2019	2024
Fence Replacement - Municipal Carparks	0	0	100	0	0	100	0	0	100	0	2018	2027
Elevator Replacement-York Parkade	0	0	0	50	0	0	50	0	0	0	2018	2025
Parking Payment Equipment	0	100	100	100	100	100	75	75	75	0	2020	Ongoing
Sub - Total Parking Services	1,100	700	700	650	700	1,275	625	175	175	0		
<u>Planning - General Manager's Office</u>												
AMANDA Implementation	0	200	150	0	0	0	0	0	0	0	2017	2019

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Sub - Total Planning - General Manager's Offi	0	200	150	0	0	0	0	0	0	0		
Planning Services												
Community Planning Studies	100	100	100	100	100	0	0	0	0	0	2018	2023
Part IV Designation of Properties under the Ontario Heritage Act	31	0	0	75	77	78	80	81	83	84	2012	Ongoing
Woodland Protection Strategy	175	0	0	0	0	0	0	0	0	0	2017	Ongoing
3D Model Development	120	0	0	0	0	0	0	0	0	0	2019	2020
Digital Planning Applications	385	0	0	0	0	0	0	0	0	0	2019	2021
Planning & Zoning Growth Area	525	0	0	165	0	0	0	0	0	0	2017	2022
City Wide Employment Survey	100	95	95	120	100	0	0	0	0	0	2016	2023
Sub - Total Planning Services	1,436	195	195	460	277	78	80	81	83	84		
Tourism & Culture												
Collections Registration Preservation Project	55	55	55	0	0	0	0	0	0	0	2016	2021
Art and Monuments	55	75	75	0	0	0	0	0	0	0	2018	2022
Gage House Porch and Exterior Cladding	440	0	0	75	0	0	55	0	175	0	2019	2027
Dundurn Coachouse Interior Improvements	92	0	0	0	0	0	0	0	0	0	2019	2021
Dundurn Castle - Exteriors	0	0	0	50	150	200	0	350	100	0	2011	2027
Dundurn Castle Outbuildings	0	0	0	122	80	890	75	195	555	0	2015	2027
Heritage Inventory and Strategic Priorities	0	75	0	0	0	0	0	0	0	0	2018	2022
Hamilton and Scourge Security	0	0	0	0	82	0	0	250	0	0	2018	Ongoing
Dundurn HNS Interior Renovations	0	0	555	555	300	180	72	100	247	0	2014	2027
Hamill House Exteriors	0	0	0	0	0	0	0	75	0	0	2026	2026
Tisdale House Exteriors	0	0	0	0	0	0	0	75	0	0	2026	2026
Veevers Exterior Upgrades	0	0	0	0	0	0	0	75	0	0	2026	2026
Sub - Total Tourism & Culture	642	205	685	802	612	1,270	202	1,120	1,077	0		
Urban Renewal												
Brownfield Development	200	250	250	250	250	250	250	250	250	250	2017	Ongoing
Heritage Property Improvement Grants	870	540	540	540	540	540	540	540	540	540	2018	2022
(BIA) Commercial Property Improvement Grant Program	406	406	406	406	406	406	406	406	406	406	2017	2022
Commercial Property Improvement Grant Program	210	210	210	210	210	210	210	210	210	210	2017	2022
Community Downtowns and BIAs	224	224	224	224	224	224	224	224	224	224	2017	Ongoing
Sub - Total Urban Renewal	1,910	1,630	1,630	1,630	1,630	1,630	1,630	1,630	1,630	1,630		
Total Planning & Economic Development	9,233	8,145	8,390	8,572	8,249	9,283	7,567	8,036	7,995	6,744		
Corporate Facilities												
Backflow Prevention for Various Facilities	250	275	250	0	0	0	0	0	0	0	2013	2021

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<u>Corporate Facilities</u>												
Program - Firestations Facility Upgrade	300	710	710	710	710	710	710	710	710	710	2019	Ongoing
Program - Facilities Code & Legislative Compliance	650	880	880	880	880	880	880	880	880	880	2019	Ongoing
Program - Roof Management	800	950	950	950	950	950	950	950	950	950	2019	Ongoing
Program - Facility Capital Maintenance	450	700	700	700	700	700	700	700	700	700	2019	Ongoing
Program - Facilities Security	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
Program - Parking Lot Rehabilitation	600	450	450	450	450	450	450	450	450	450	2019	Ongoing
Generator Compliance Testing and Upgrades	110	420	430	0	0	0	0	10	110	0	2019	Ongoing
Program Yard Capital Renewal	300	650	650	650	650	650	650	650	650	650	2019	Ongoing
Program - Facility Upgrades to Hamilton Public Libraries	0	800	800	800	800	800	800	800	800	800	2019	Ongoing
Overhead Door Replacement Program	0	275	275	275	275	275	275	275	275	275	2019	Ongoing
Program - First Ontario Centre Lifecycle Renewal (M&E only)	0	750	750	750	750	750	750	750	750	750	2019	Ongoing
Convention Centre Lifecycle Program (M&E only)	0	275	275	275	275	275	275	275	275	275	2019	Ongoing
HVAC, Energy Efficiency Upgrades	0	400	400	400	400	400	400	400	400	400	2019	Ongoing
Corporate Facilities Audit Program	0	100	100	100	200	200	200	200	200	200	2019	Ongoing
Archibus - Facility Maintenance Management System Upgrade	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
MRF Below Ground Demolition, Decommissioning and Filling of the Basements	0	1,000	0	0	0	0	0	0	0	0	2020	2020
MSC-Security Enhancements	0	750	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Corporate Facilities	3,610	9,635	7,870	7,190	7,290	7,290	7,290	7,300	7,400	7,290		
<u>Energy Initiatives</u>												
Traffic Operations Centre - LED lighting Upgrade	60	0	0	0	0	0	0	0	0	0	2019	2019
Wentworth Operations Centre - LED Lighting Systems Upgrade (Interior)	30	0	0	0	0	0	0	0	0	0	2019	2019
Lister Block - LED Lighting Upgrade	125	0	0	0	0	0	0	0	0	0	2019	2019
Solar Wall - Norman Pinky Lewis Recreation Centre	117	0	0	0	0	0	0	0	0	0	2019	2019
Sub - Total Energy Initiatives	332	0	0	0	0	0	0	0	0	0		
<u>Fleet Services</u>												
Shop Equipment Replacement	165	168	170	170	170	170	170	170	170	170	2019	Ongoing
Street Sweeper Purchase	730	750	765	785	785	785	785	785	785	785	2019	Ongoing
Fleet Vehicle&Equipment Replace Program	9,230	9,230	9,230	9,230	9,230	9,230	9,230	9,230	9,230	9,230	2019	Ongoing
Sub - Total Fleet Services	10,125	10,148	10,165	10,185	10,185	10,185	10,185	10,185	10,185	10,185		
<u>Forestry & Horticulture</u>												
Tree Planting Program	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	2019	Ongoing
Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)	2,600	2,600	2,600	2,600	0	0	0	0	0	0	2011	2022
Gypsy Moth Monitoring and Management	550	0	0	0	0	0	0	0	0	0	2019	2019

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	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>Start</u>	<u>End</u>
<u>Forestry & Horticulture</u>												
Small Equipment Replacement (Reserve) Program	0	60	0	0	60	0	0	0	0	0	2020	Ongoing
Sub - Total Forestry & Horticulture	4,495	4,005	3,945	3,945	1,405	1,345	1,345	1,345	1,345	1,345		
<u>O & M - Parks & Cemeteries</u>												
Cemetery Roads Rehabilitation Program	100	100	100	100	100	100	100	100	100	100	2019	Ongoing
Cemetery Building Repairs	115	115	115	115	115	165	220	220	220	220	2019	Ongoing
Park Pathway Resurfacing Program	215	200	200	250	250	275	300	325	325	325	2019	Ongoing
Park Sports/Security Lighting Upgrade Program	60	70	70	90	90	110	110	110	110	110	2019	Ongoing
Park Fencing Program	118	110	140	140	170	170	200	200	230	230	2019	Ongoing
Spraypad Infrastructure Rehabilitation Program	70	70	78	78	90	90	105	105	120	120	2019	Ongoing
CSA Safety Material Replacement Program	175	150	150	150	175	175	200	200	200	200	2019	Ongoing
Playground Lifecycle Replacement Program	400	220	220	230	250	250	300	300	350	350	2019	Ongoing
Tennis and Multi -use Court Rehabilitation Program	100	120	120	130	130	200	200	260	260	300	2019	Ongoing
QC/CA - Parks and Cemeteries Material Testing	10	10	10	10	15	15	15	15	20	20	2019	Ongoing
Cemetery Columbarium	70	90	120	120	120	145	150	175	175	175	2019	Ongoing
Parkland Identification and Way Finding Signage	20	20	20	20	20	30	30	30	30	30	2019	Ongoing
Equipment Acquisition (DC) Program	247	247	247	247	247	247	247	247	247	247	2019	Ongoing
Small Equipment Replacement (Reserve) Program	80	85	80	85	145	85	85	150	90	90	2019	Ongoing
Leash free Dog Park Program	80	80	80	80	80	80	80	80	80	80	2019	Ongoing
Battlefield Park Bridge Replacement	500	0	0	0	0	0	0	0	0	0	2019	2021
Pedestrian Bridge Replacement & Repair Program	0	108	108	108	108	165	165	165	195	195	2019	Ongoing
Urban Park Parking Lot Paving Program	0	320	370	375	375	380	430	430	430	430	2019	Ongoing
Backflow Prevention for Various Parks Facilities	0	150	0	0	0	0	0	0	0	0	2019	2020
Stair Replacement and Repair Program	0	130	150	150	150	160	185	185	185	185	2019	Ongoing
Sports Field Rehab Program	0	60	240	25	40	40	60	60	60	70	2019	Ongoing
Bocce Court Rehab Program	0	40	40	50	50	50	50	50	50	50	2019	Ongoing
Wrought Iron Fence Replacement - Hamilton Cemetery	0	350	350	350	350	0	0	0	0	0	2019	2023
Flagpole Replacement & Repairs Program	0	100	100	100	0	0	0	0	0	0	2019	2022
Cemetery Development	0	260	255	110	165	165	165	220	220	220	2019	Ongoing
Cemeteries Foundations Study	0	50	50	50	50	0	0	0	0	0	2019	2023
Outdoor Ice Rink Program	0	60	65	65	65	70	70	70	75	75	2018	Ongoing
Park Bleacher Replacement Program	0	65	65	65	65	65	65	65	65	65	2019	Ongoing
Cemetery ID Sign Program	0	60	60	65	65	0	0	0	0	0	2019	2023
Monitoring and Repairs of the Escarpment and Waterfront (Parks and Cemeteries assets)	0	130	130	130	155	155	180	180	180	180	2019	Ongoing
Sportsfield Irrigation System Lifecycle Replacements	0	100	75	40	40	40	50	50	70	70	2019	Ongoing
Playground Lifecycle Replacement Program	0	560	560	560	560	560	560	560	560	560	2019	Ongoing
Tennis and Multi -use Court Rehabilitation Program	0	500	500	500	500	500	500	500	500	500	2019	Ongoing
IPHC Program Equipment Purchases	0	565	480	190	585	0	0	0	0	0	2019	2022

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Sub - Total O & M - Parks & Cemeteries	2,360	5,295	5,348	4,778	5,320	4,487	4,822	5,052	5,147	5,197		
Open Space Development												
Legislated Monitoring	50	50	0	0	37	0	0	37	0	0	2018	2037
Skatepark Facility - Recreation study implementation	127	1,763	0	100	2,000	0	100	2,000	0	0	2018	2028
Parks Testing and Reporting	80	80	80	80	80	80	80	80	80	80	2019	Ongoing
Trails Master Plan Programming	0	217	2,060	815	557	1,405	1,020	1,500	1,500	1,500	2015	2028
Sub - Total Open Space Development	257	2,110	2,140	995	2,674	1,485	1,200	3,617	1,580	1,580		
Recreation Facilities												
Program - Community Halls Retrofits	100	300	300	300	300	300	300	300	300	300	2019	Ongoing
Program - Park & Fieldhouse Retrofits	100	250	250	250	250	250	250	250	250	250	2019	Ongoing
Program - Arena Retrofits	300	200	800	800	800	800	800	800	800	800	2019	Ongoing
Recreation Facilities Audit Program	0	80	80	80	80	80	80	80	80	80	2019	Ongoing
Program - Chedoke Golf Course Improvements	0	0	8,010	0	0	0	0	0	0	0	2021	2021
Program - Recreation Centre Retrofits	0	200	200	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2019	Ongoing
Program - Parking Lot Management	0	0	0	500	500	500	500	500	500	0	2019	Ongoing
Program - Roof Management	0	400	0	800	0	800	800	800	800	0	2019	Ongoing
Program - Exterior Structure	0	400	0	400	0	400	400	400	400	0	2019	Ongoing
Public Use Feasibility Needs & Study	0	150	150	150	150	150	150	150	150	150	2019	Ongoing
Program - Facility Capital Maintenance	0	200	200	200	200	200	200	200	200	200	2019	Ongoing
Program - Senior Centre Retrofits	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Sub - Total Recreation Facilities	500	2,280	10,090	4,580	3,380	4,580	4,580	4,580	4,580	2,880		
Roads												
Railway Crossings - Review and Upgrades	500	500	500	0	0	0	0	0	0	0	2017	2021
Transportation Demand Management & Smart Commute	350	0	0	0	0	0	0	0	0	0	2017	2019
Major Road Maintenance Program	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2019	Ongoing
Minor Construction Program	300	400	300	300	300	300	300	300	300	300	2019	Ongoing
Railway Roadway Crossings Rehabilitation Program	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
New Sidewalk Program	500	500	500	500	500	500	500	500	500	500	2019	Ongoing
Sidewalk Rehabilitation Program	750	750	750	750	750	750	750	750	750	750	2019	Ongoing
Geotechnical Investigation Program	700	800	700	700	700	700	700	700	700	700	2019	Ongoing
Contaminated Soil & Rock Disposal Program	240	0	240	0	0	240	0	0	240	0	2019	Ongoing
Fencing/Sound Barrier Rehabilitation/Replacement within the Road Allowance	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
Preventative Maintenance Program	2,200	2,200	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2019	Ongoing
Bridge and Culvert Maintenance	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2019	Ongoing
OSIM Bridge and Culvert Inspections	340	340	340	340	340	340	340	340	340	340	2019	Ongoing
Structural Investigations and Reports	100	400	400	400	400	400	400	400	400	400	2019	Ongoing

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Roads												
Fleet Additions - Roads O&M	200	0	200	0	200	0	200	0	200	0	2019	Ongoing
Fleet Additions - Engineering Services - Construction	50	0	0	0	0	0	0	0	0	0	2019	2019
Yard Facility Maintenance and Improvement Program	200	150	150	150	150	150	150	150	150	150	2019	Ongoing
QA-QC Service Contract Program	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
Roads - Small Equipment Replacement	50	50	50	50	50	50	50	50	50	50	2019	Ongoing
Mapping Update Program	40	0	40	0	40	0	40	0	40	0	2019	Ongoing
Active Transportation Benchmarking	30	30	30	30	30	30	30	30	30	30	2019	Ongoing
TMP Modelling & Monitoring	80	80	50	50	30	30	30	30	30	30	2019	Ongoing
Hamilton Public Bike Share Expansion Planning	100	50	0	0	0	0	0	0	0	0	2019	2020
Complete Liveable Better Streets Manual	250	50	0	0	0	0	0	0	0	0	2019	2020
Transportation Tomorrow Survey	40	40	120	50	50	50	50	50	50	50	2019	Ongoing
Road Network Pavement Inspection	450	0	0	0	0	0	0	0	0	0	2019	2019
IoT & Smart Cities Street Lighting Strategy Development	150	0	0	0	0	0	0	0	0	0	2019	2019
Highway 403 Connections Study	30	150	0	0	0	0	0	0	0	0	2019	2020
Multi-modal Level-of-Service (MLOS) Policy and Transportation Impact Study Guidelines Update	130	30	0	0	0	0	0	0	0	0	2019	2020
Road Classification Harmonization Study and R-O-W Review	80	100	0	0	0	0	0	0	0	0	2019	2020
18-055 PW Asset Management (PW-AM) System Evaluation	750	0	0	0	0	0	0	0	0	0	2019	2020
Low-Wattage Street Lighting LED Replacement	500	0	0	0	0	0	0	0	0	0	2016	2021
Escarpment Slope & Appurtenance Stabilization Program	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2019	Ongoing
Street Lighting Capital Program	500	350	350	350	350	350	350	350	350	350	2019	Ongoing
Retaining Wall Rehabilitation Program	850	850	900	900	900	950	950	700	700	880	2019	Ongoing
Guide Rail Replacement Program	400	400	400	400	400	400	400	400	400	400	2019	Ongoing
Road Operations Weigh Scales	100	150	150	0	0	0	0	0	0	0	2019	2021
Pedestrian Crossovers	300	300	300	0	0	0	0	0	0	0	2017	2021
Overhead Sign Structure	200	300	300	0	0	0	0	0	0	0	2017	2021
On Street Bike Facilities	300	300	0	0	0	0	0	0	0	0	2018	2020
Traffic Counts Program	300	150	150	150	150	150	150	150	150	150	2019	Ongoing
Traffic Calming	350	0	0	0	0	0	0	0	0	0	2019	2019
ATMS – Advanced Traffic Management System	2,250	900	1,000	1,000	500	500	500	400	400	500	2019	Ongoing
Traffic Signal Modernization & Upgrades Program	800	600	600	600	600	600	600	600	600	600	2019	Ongoing
Traffic Signal LED Lighting Upgrade Program	150	200	200	200	200	200	200	200	200	200	2019	Ongoing
Traffic Controller Replacement Program	720	600	600	600	600	600	600	600	600	600	2019	Ongoing
Traffic Engineering - Signal Design	200	200	200	200	200	200	200	200	200	200	2019	Ongoing
Traffic Signal Modernization Coordinated with Construction	1,100	600	600	600	600	600	600	600	600	600	2019	Ongoing
Plastic Pavement Marking Rehabilitation	200	400	500	500	500	500	500	500	500	500	2019	Ongoing
Neighbourhood Speed Reduction Initiative	400	450	450	450	450	0	0	0	0	0	2019	2023
Fibre Optics Communication Cable	450	0	0	0	0	0	0	0	0	0	2019	Ongoing
Signal Controller Wrapping Project	150	0	0	0	0	0	0	0	0	0	2019	2019
Autonomous/Connected Vehicles	300	0	0	0	0	0	0	0	0	0	2019	2019
Road Operations and Maintenance Fleet Replacement	0	0	3,100	0	900	0	0	0	0	0	2016	2023

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<u>Roads</u>												
Cordon Count Project	0	50	110	0	0	0	0	0	0	0	2016	2021
Local Road Asset Preservation	0	0	0	0	0	0	800	4,900	7,800	6,600	2019	Ongoing
Rural Hot Mix Program	0	0	0	0	4,000	4,000	4,000	4,000	4,000	2,000	2023	Ongoing
State of the Infrastructure - Asset Management	0	300	300	300	300	300	300	300	300	300	2019	Ongoing
Transportation Demand Management & Smart Commute & Sustainable Mobility	0	350	350	400	400	500	500	500	500	500	2021	Ongoing
Development Road Urbanization	0	500	500	500	500	500	500	500	500	500	2019	Ongoing
Rail Grade Separation Review	0	80	0	0	0	0	0	0	0	0	2020	2020
Snow Disposal Facility	0	0	250	0	0	0	0	2,500	1,500	1,500	2021	2028
Arterial Asset Preservation Program	0	0	0	420	81	3,720	13,349	11,475	14,729	27,925	2022	2027
Bridge Replacement / Rehabilitation Reserve	0	0	0	0	0	0	0	0	0	6,400	2028	2028
Roads - Alleyway Rehabilitation	0	100	400	400	400	400	400	400	400	400	2019	Ongoing
CMMS Mobile Application Server Upgrades	0	0	0	0	30	0	0	0	0	25	2023	2028
On Street Bike Facilities	0	0	350	350	350	400	400	400	800	800	2021	Ongoing
Sub - Total Roads	23,580	19,200	22,880	18,090	22,401	24,860	35,289	39,425	45,459	61,680		
<u>Transit Services</u>												
Transit Hybrid Bus Battery Replacement	240	0	0	0	0	0	0	0	0	0	2015	2019
Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities	740	760	770	900	1,030	1,050	1,080	0	0	0	2018	2025
Fund Transit Reserve Shortfall- Re Cancellation of Ontario Bus Replacement Program	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700	2019	Ongoing
HSR Bus Replacement Program	15,250	14,428	31,524	18,684	14,188	15,163	14,545	15,545	15,856	14,500	2019	Ongoing
Nonrevenue Vehicle Replace Program	170	162	69	85	138	85	110	185	90	79	2019	Ongoing
Corridor Capacity	610	610	610	610	610	610	610	0	0	0	2019	2025
PRESTO Equipment Replacement	0	4,235	0	0	0	0	0	0	4,825	0	2019	2026
Terminal and End of Line Rehabilitation	75	75	75	75	75	75	75	75	75	75	2019	Ongoing
Bus Stop Shelter Rehabilitation	125	125	125	125	125	125	125	125	125	125	2019	Ongoing
Transit Terminal Development	3,190	490	3,260	3,310	3,400	2,930	0	0	0	0	2019	2024
Transit Shelter Expansion Program	150	150	150	150	150	150	150	150	150	150	2019	Ongoing
HSR Bus Expansion Program - 10 Year Plan	0	3,800	3,845	3,900	4,730	4,790	5,660	0	0	0	2017	2025
Rapid Ready & Ten Year Local Transit Strategy Implementation	0	50	0	0	50	0	0	50	0	0	2017	2026
Transit Maintenance and Storage Facility (Cash Flow Project)	0	50,000	100,000	100,000	0	0	0	0	0	0	2017	2022
HSR Expansion Buses - Modal Split	0	6,000	6,834	6,920	7,010	7,100	7,190	0	0	0	2020	2025
Ranger Equipment Replacement	0	0	2,000	0	0	0	0	0	0	0	2021	2021
Sub - Total Transit Services	24,250	84,585	152,962	138,459	35,206	35,778	33,245	19,830	24,821	18,629		
<u>Waste Management</u>												
Transfer Station/CRC Expansion & Capital Replacement	150	5,900	14,500	0	0	0	0	0	0	0	2015	2021
2020 Waste System Planning	200	0	0	0	0	0	0	0	0	0	2016	2019

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<u>Waste Management</u>												
CCF Lifecycle Replacement	500	791	0	267	0	267	209	1,525	3,050	56,425	2019	2028
Waste Management R & D Program	125	265	225	230	235	245	250	255	265	270	2019	Ongoing
Diversion Container Replacement Program	880	925	950	980	1,000	1,000	1,000	1,000	1,000	1,000	2019	Ongoing
Public Space & Special Event Containers	120	250	250	250	250	250	250	250	250	250	2019	Ongoing
Glanbrook Landfill Capital Improvement Program	418	506	318	327	337	346	357	367	377	389	2019	Ongoing
Closed Landfill Maintenance & Capital Improvement Program	308	471	484	496	509	523	537	550	565	565	2019	Ongoing
Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program	278	286	295	304	313	322	332	342	352	352	2019	Ongoing
Transfer Station/CRC Maintenance & Capital Improvement Program	268	213	217	221	226	230	235	240	244	244	2019	Ongoing
Environmental Services Legislative Compliance Program	185	185	185	185	185	185	185	185	185	185	2019	Ongoing
Cigarette Litter Prevention Program	65	0	0	0	0	0	0	0	0	0	2019	2019
Leaf & Yard Waste Composting Facility Relocation	0	200	0	4,000	0	0	0	0	0	0	2012	2022
SWMMP Approvals	0	150	150	0	0	0	0	0	0	0	2018	2021
MRF Lifecycle Replacement	0	150	3,000	21,000	0	0	0	0	0	0	2020	2022
Glanbrook Landfill Stage 3 Development- Cells C, D, & E	0	250	0	5,500	0	0	0	0	0	0	2020	2022
SWMMP - Recommendation 6: Alternative Disposal Facility	0	200	200	0	0	0	0	96,000	96,000	0	2020	2027
Waste Collection Fleet Replacement	0	0	1,700	0	0	500	0	0	0	0	2016	2024
<i>Sub - Total Waste Management</i>	3,497	10,742	22,474	33,760	3,055	3,868	3,355	100,714	102,288	59,680		
<u>West Harbour & Waterfront Strategic Initiatives</u>												
Police Marine Facility Temporary Relocation	300	0	0	0	0	0	0	0	0	0	2018	2019
<i>Sub - Total West Harbour & Waterfront Strate</i>	300	0	0	0	0	0	0	0	0	0		
<i>Total Public Works Tax Funded</i>	73,306	148,000	237,874	221,982	90,916	93,878	101,311	192,048	202,805	168,466		
<i>Grand Total</i>	116,073	191,750	281,042	259,114	124,163	126,198	133,777	221,175	235,192	199,749		