



Hamilton

FINAL APPROVED



2020 TAX SUPPORTED CAPITAL BUDGET

BOOK 1

TAX SUPPORTED CAPITAL BUDGET

The City of Hamilton's 2020 Tax Supported Capital Budget and 10-year Tax Supported Capital Program supports the City's Strategic Plan and Financing Strategy. The City of Hamilton's asset portfolio has a total replacement value of approximately \$24.3B.

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 costs of the latter assets are funded from the Tax Supported Capital Budget.

The 2020 Tax Supported Capital Program was approved at a \$397.7M investment in infrastructure, including a 0.87% Capital Levy increase (\$7.5M or \$31 annually for the average resident). The Capital Levy supports sound stewardship of existing assets by providing sufficient funding to maintain the desired condition and service levels of critical infrastructure.

Measures

\$ 397.7		in gross capital spending including:	
	\$ 151.9	Million	Transit Initiatives
	\$ 77.9		Roads, Bridges, Traffic, Sidewalks
	\$ 28.3		Affordable Housing Initiatives
	\$ 23.0		Roads Growth
	\$ 20.9		Corporate and Recreation Facilities Rehabilitation and Upgrade
	\$ 11.7		Fire and Paramedic Services
	\$ 10.9		Open Space Development
	\$ 10.2		West Harbour Strategic Initiatives
	\$ 10.1		Central Fleet Vehicle and Equipment Replacement
	\$ 8.9		Waste Management
	\$ 4.1	Forestry and Horticulture	

**CITY OF HAMILTON
2020 TAX SUPPORTED CAPITAL BUDGET**

BOOK 1

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2020-2029 Tax Supported Capital Budget Report

Report Update



2020 Tax Supported Capital Budget Report Update

On December 11, 2019, Hamilton City Council approved The City of Hamilton’s 2020 Tax Supported Capital Budget and 10-year Tax Supported Capital Program. The approved 2020 Tax-Supported Capital Projects/Priorities support the City’s Strategic Plan, Financing Strategy and align with the following City objectives:

- Rehabilitation of existing assets
- Leveraging funding Programs from Senior Levels of Government for Transit, Culture/Recreation and Affordable Housing
- Targeted funding for employment growth to ensure a prosperous and sustainable economy

Report FCS19091 and supporting detail (Book 1 and Book 2) focus on the City’s 2020 Capital Budget and the following three years (2021 – 2023). The four-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.

Book 1 and Book 2 have been updated to reflect the 2020 Council Approved Tax Supported Capital Budget. Report FCS19091 has not been changed and reflects the proposed 2020 Tax Supported Capital Budget.

Over the years, the focus of past Tax Capital Budgets have been the rehabilitation of the City’s critical infrastructure. As illustrated in Table 1, the 2020 Tax Supported Capital Budget has allocated approximately 83% (\$332.6M) of funding towards the rehabilitation of existing assets, up from 78% in 2019. The 2020 Capital Plan’s state of good repair funding amount helps to address the annual infrastructure deficit across all tax supported capital programs of approximately \$195M.

**Table 1
State of Good Repair Capital Funding**

(\$000s)	2018		2019		2020	
	Gross	Spending %	Gross Restated	Spending %	Gross	Spending %
State of Good Repair	225,943	88%	176,308	78%	330,558	83%
New Assets (DCs + exemption fundin	31,981	12%	50,812	22%	67,116	17%
TOTAL CAPITAL PROJECTS	257,924	100%	227,120	100%	397,674	100%

The effective management of infrastructure involves continuous monitoring of conditions, costs, risks, age, performance, and the estimated useful lives to systematically identify and prioritize the City’s investment needs. This ensures that, with its limited financial resources, the City effectively sustains its service delivery to residents and businesses, while adapting to climate change.

Approved 2020 Property Tax Increase of 0.87%

- 0.50% Property Tax Increase to address existing Infrastructure deficiencies.
- 0.21% Property Tax Increase to fund City share of Transit expansion.
- 0.13% Property Tax Increase to fund Downtown Office Accommodation Strategy.
- 0.03% Property Tax Increase to fund West Harbour Master Plan increase.

The 2020 City of Hamilton Tax Supported Capital Budget was approved with a 0.87% Property Tax increase which equates to \$7.545M increase for the Capital Levy (\$31 annual property tax increase per average value residential property).

1. A 0.5 % Property Tax Increase (\$4.3M or \$18 annual property tax increase) dedicated to the Capital Levy to fund critical infrastructure per the City's 10-year Capital Financing Strategy.
2. An additional 0.21% Property Tax Increase (\$1.835M or \$7 annual property tax increase) to fund the debt charges associated with the City's share of the Investing in Canada Infrastructure Program (ICIP) – Transit Stream Capital Investments. The total cost of the ICIP – Transit Stream submissions for 2020 was \$149.8M with the City's share amounting to \$18.6M (debt impact of \$1.835M). In the 2019 Capital Budget, Council funded the majority of the Public Transit Infrastructure Fund (PTIF) phase 1 own share funding through a 0.02% tax levy increase to cover the forecasted 10-year debt charges.
3. An additional 0.13% Property Tax Increase (\$1.128M or \$5 annual property tax increase) to fund the debt charges associated with the Downtown Office Accommodation Strategy.
4. An additional 0.03% Property Tax Increase (\$0.28M or \$1 annual property tax increase) to fund the debt charges associated with the West Harbour Development.

Original Capital Budget Report

2020 Tax Supported Capital Budget Report

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1.0 EXECUTIVE SUMMARY

The City of Hamilton’s 2020 Tax Supported Capital Budget and 10-year Tax Supported Capital Program supports the City’s Strategic Plan and Financing Strategy. The proposed 2020 Tax-Supported Capital Projects/Priorities align with the following City objectives:

- Rehabilitation of existing assets
- Leveraging funding Programs from Senior Levels of Government for Transit, Culture/Recreation and Affordable Housing
- Targeted funding for growth to maximize assessment

Report FCS19091 and supporting detail (Book 1 and Book 2) focus on the City’s 2020 Capital Budget and the following three years (2021 – 2023). The four-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.

Figure 1 highlights the total 2020 Tax Supported Capital Program supporting the City’s Strategic Plan.

Figure 1



Council previously approved several 2020 Capital Projects through the approval of Reports PW19083/FCS18048(a) (Transit ICIP Projects) and HSC19042(a) (COCHI & OPHI Housing projects). The gross cost of the above noted previously approved 2020 Capital Projects totals \$153,647,000 and is in addition to the \$246,027,000 recommended for approval through FCS19091. Therefore, the total 2020 Capital Program referenced in this report is \$399,674,000.

The City’s Capital Levy needs to increase at least in proportion to the increase in debt so that fiscal flexibility is available to deal with future Capital Initiatives.

In the S&P Global Ratings Research Update dated October 18, 2019, S&P affirmed that they expect the City to maintain its fiscal performance over the next two years. S&P expects that the City’s stable fiscal performance together with its high liquidity and low debt will allow the City to fund its capital projects without impairing its creditworthiness. Additionally, the rating agency expects the City of Hamilton to maintain its position as one of the most economically diversified cities in Canada over the next several years with growth in diverse industry and manufacturing sectors providing economic resilience for the City. The City has maintained top scores for the economy, liquidity and debt burden factors and second-best scores for the institutional framework, financial management and budgetary performance factors.

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 additional levy dollars have been incorporated into the 2020 Tax Supported Capital Budget. Significant 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.

Over the years the focus of past Tax Capital Budget has been towards the rehabilitation of the City’s existing asset base. As illustrated in Table 1, the 2020 Tax Supported Capital Budget has allocated approximately 83% (\$332.6M) of funding towards the rehabilitation of existing assets, up from 78% in 2019. The new asset amounts were calculated using the Development Charges (DC) funding from the financing plan and the budgeted DC exemption amount. The 2020 Capital Plan’s state of good repair funding amount is critically short of an effective asset rehabilitation plan as the annual infrastructure deficit across all tax supported capital programs is approximately \$195M.

**Table 1
 State of Good Repair Capital Funding**

(\$000s)	2018		2019		2020	
	Gross	Spending %	Gross Restated	Spending %	Gross	Spending %
State of Good Repair	225,943	88%	176,308	78%	332,558	83%
New Assets (DCs + exemption funding)	31,981	12%	50,812	22%	67,116	17%
TOTAL CAPITAL PROJECTS	257,924	100%	227,120	100%	399,674	100%

The City of Hamilton delivers public services that are critical to its citizens and these services rely on well-planned and well-maintained infrastructure. There is increased pressure on the ability of the City to ensure the long-term sustainability of its infrastructure. This is the case in all Ontario municipalities, and while many municipalities have asset management plans, significant differences exist, thus the province introduced an asset management regulation in December 2017.

2.0 ASSET MANAGEMENT

Provincial Asset management regulations under Bill 6, *Infrastructure for Jobs and Prosperity Act, 2015*, were adopted in January 2018. On June 26, 2019, City Council adopted a Strategic Asset Management Policy (AMP)(Report PW19053). The Strategic AMP which Council approved through PW19053 applies to core infrastructure assets only at this time which includes assets in water treatment and distribution, wastewater collection and treatment, stormwater management, roads, bridges and culverts. At a later date, the Policy will be updated to include all infrastructure assets such as facilities and fleet before the legislative deadline of July 1, 2023.

Future key legislative deadlines for all Ontario municipalities related to Asset Management are:

1. July 1, 2021 – Develop enhanced AMPs that include the cost to maintain current service levels covering core infrastructure assets.
2. July 1, 2023 – Expand enhanced AMPs that include the cost to maintain current service levels covering all infrastructure assets.
3. July 1, 2024 – Expand AMPs to provide further details on all infrastructure assets, include proposed service levels and the revenue and expenditure plan to achieve the proposed service levels (if greater than current service levels).

The province, in the future, will require any municipality seeking provincial capital funding to prepare a detailed AMP and show how its proposed project fits within the plan.

It is reasonable to assume the ability to demonstrate the benefit of a project to the community through quantifiable metrics tied to legislative-based levels of service and costs will be a component of future provincial funding requests.

Beyond compliance there are further benefits to the establishment of an Asset Management Policy and enhancement of the AMP for the City of Hamilton. Enhancements will provide opportunity to gain perspective on the current service levels being rendered to the community and identify the infrastructure needs to maintain current service levels or achieve proposed service levels. A sound policy along with an updated and robust AMP provides council and staff new tools and information to make better AM decisions, by offering:

- A clear depiction of ‘what a dollar buys’, especially related to present state of good repair, growth-related infrastructure or service improvements;
- A clear picture of projects that may be deferred due to a capital decision;
- A means towards major failure prevention, rather than reactive projects; and
- A shift towards rehabilitation and preventive maintenance, to help assets reach or exceed the expected asset life, rather than focusing on reconstruction.

Based on an approved Policy, the updated AMP will allow staff to continue with asset management initiatives, including updates to asset condition information, infrastructure lifecycle analysis, levels of service assessments, financial forecasting, and costs to achieve proposed target levels of service.

3.0 2020 TAX SUPPORTED CAPITAL BUDGET FUNDING OPTION – 1.10% PROPERTY TAX INCREASE

- 0.50% Property Tax Increase to address existing Infrastructure deficiencies.
- 0.21% Property Tax Increase to fund City share of Transit expansion.
- 0.03% Property Tax Increase to fund West Harbour Master Plan increase.
- 0.13% Property Tax Increase to fund Downtown Office Accommodation Strategy.
- 0.23% Property Tax Increase to fund DC Exemption Program.

The 2020 City of Hamilton Tax Supported Capital Budget presented within this report incorporates a 1.10% Property Tax increase which equates to \$9.545M increase for the Capital Levy (\$39 annual property tax increase per average value residential property (\$358,600)).

1. A 0.5 % Property Tax Increase (\$4.3M or \$18 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 0.21% Property Tax Increase (\$1.835M or \$7 annual property tax increase) to fund the debt charges associated with the City’s share of the Investing in

Canada Infrastructure Program (ICIP) – Transit Stream Capital Investments. The total cost of the ICIP – Transit Stream submissions for 2020 was \$149.8M with the City's share amounting to \$18.6M (debt impact of \$1.835M). In the 2019 Capital Budget, Council funded the majority of the Public Transit Infrastructure Fund (PTIF) phase 1 own share funding through a 0.02% tax levy increase to cover the forecasted 10-year debt charges.

3. An additional 0.23% Property Tax Increase (\$2M or \$8 annual property tax increase) to fund the increase in the recovery of exemptions of tax services provided through the City's Development Charge exemption programs.
4. An additional 0.13% Property Tax Increase (\$1.128M or \$5 annual property tax increase) to fund the debt charges associated with the Downtown Office Accommodation Strategy.
5. An additional 0.03% Property Tax Increase (\$0.28M or \$1 annual property tax increase) to fund the debt charges associated with the West Harbour Development.

Four-year Capital Financing Strategy

Table 2 illustrates a four-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 four City priority capital programs. The Capital Levy Increase of 0.5% funded \$2.9M additional road rehabilitation, \$1M in additional Transit funding and \$400,000 in additional parkland acquisition for neighbourhoods which are deficient. The four additional Capital Levy increases for Transit, Downtown Office Accommodation Strategy, West Harbour Development and DC Exemptions ensures that funding capacity for the rehabilitation of existing assets is not jeopardized by these City priority capital programs.

Table 2
Tax Supported Four-Year Capital Financing Plan

	2020	2021	2022	2023
Capital Levy Increase dedicated to rehab of existing Assets	0.50%	0.50%	0.50%	0.50%
<i>Additional Capital Levy Impact:</i>				
Capital Levy Increase for ICIP - Transit Stream (City Share - debt)	0.21%	0.22%	0.11%	0.01%
Capital Levy Increase for West Harbour MP increase (debt)	0.03%	0.00%	0.05%	0.08%
Capital Levy Increase for Downtown Office Accommodation (debt)	0.13%	0.00%	0.00%	0.00%
Capital Levy Increase for DC Exemption Funding increase	0.23%	0.00%	0.00%	0.00%
Total Levy Impact	1.10%	0.72%	0.66%	0.59%

Assumption; Senior levels of Government funds 73% ICIP

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 existing infrastructure and facilities in an appropriate state of repair;
- advancing Council and community priorities within the City's long-term financial capacity; and
- 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 (\$589M)
4. POA Office (\$36M)
5. Police Investigative Services Division/ Forensic Facility (\$24M)
6. West Harbour Development (\$162M)
7. Parkland Purchases and Development
8. Airport Employment Growth District (\$15M)

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 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 (2020 -2029) focuses on the following strategic objectives;

1. Targeting capital investments in rehabilitation programs including traffic, bridges and 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 0.5% of the total Property Tax Levy (\$4.3M for 2020) 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 and for incremental debt requirements in strategic Capital Programs. The 2020 Capital Program incorporates an additional 0.60% total levy increase for the Capital Levy. The additional 0.60% supports the debt financing of the municipal contribution required for the City's share of the ICIP - Transit Program (0.21%), DC Exemption funding (0.23%), Downtown Office Accommodation Strategy (0.13%) and West Harbour (over and above the 2018 development ready masterplan requirements – 0.03%).
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.

4.0 TAX SUPPORTED CAPITAL PROGRAM (2020 – 2029) 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 2019 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 of 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. 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 2020-2029 10-year financing plan, tax supported budgeted external debt levels peak, as illustrated in Table 18, in 2028 at \$788M (up from the \$509M in 2022 forecasted in the 2019 budget). Total City debt after adding in Rate Supported debt peaks at \$1.33B in 2028 (Figure 9). This number is inclusive of Development Charge supported debt. Credit rating agencies focus on total City debt levels. Staff will monitor the City's external debt within financial policy goals.

The proposed 2020 Tax Supported Capital Budget funds \$399.7M in Capital Projects. Included in this amount are several new initiatives which are aligned to Council's Strategic Priorities.

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

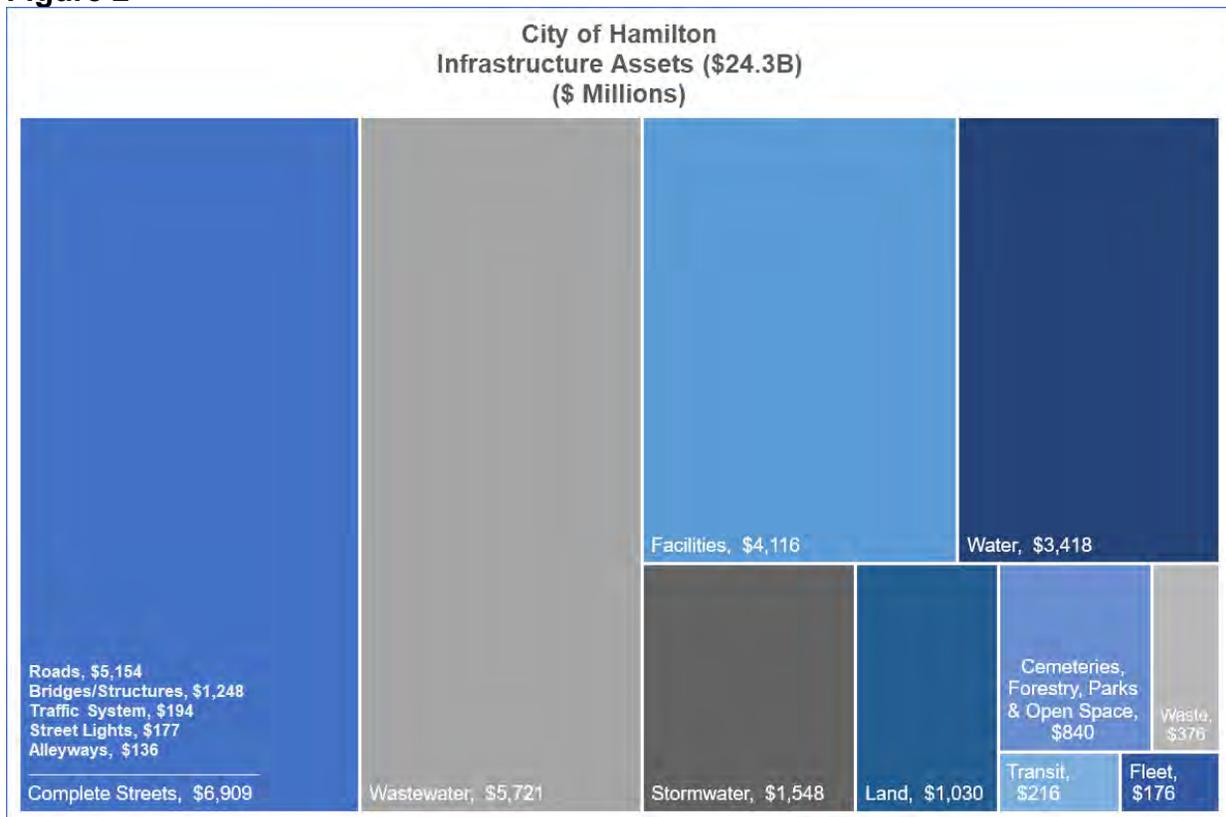
a requirement that municipalities seeking provincial capital funding will now be required to submit a detailed Asset Management Plan (AMP) for future consideration.

With the current economic climate and fiscal pressures which challenge the Province’s ability to support infrastructure investment, through Bill 6, the Province has made clear that future funding commitments to municipalities will be based on focused investments which address needs rather than wants.

Tax Supported Capital Budget Background

The City of Hamilton owns hard assets with a total replacement value of approximately \$24.3B. 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 \$24.3B infrastructure assets is presented in Figure 2.

Figure 2



During the past five 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 regarding roads and park development infrastructure. Establishment of an Asset Management Policy which will provide an opportunity to gain perspective on the current service levels being rendered to the community and identify the infrastructure needs to maintain current service levels or achieve proposed service levels.
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 2019.
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 2020 Tax Supported Capital Budget and 2021 - 2029 Capital Forecast. The 2020 Tax Supported Capital Budget represents an effort to address investments necessary to support existing infrastructure, as well as the need to support municipal investment readiness and economic development and capacity, while maintaining tax competitiveness.

5.0 2020 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 2020, the City is investing approximately \$77.9M gross on the roads rehabilitation capital program (\$100.9M less \$23M growth) while the net City investment into this program is \$59.2M as illustrated in Table 3 and 4.

Table 3
Investment in Roads/Traffic/Bridges

\$(000's)	2019		2020		2021		2022		2023	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Roads	47,397	32,424	42,240	24,570	36,350	30,040	35,020	33,280	37,930	35,160
Bridges and Structures	8,910	8,910	14,020	13,620	10,680	10,680	10,090	10,090	11,380	11,380
O & M/Studies/Traffic Engineering	19,465	12,655	21,650	17,230	20,390	18,190	19,890	17,690	18,600	16,400
Total Non Growth	75,772	53,989	77,910	55,420	67,420	58,910	65,000	61,060	67,910	62,940
Development/Growth Related Program	20,920	2,226	22,990	3,769	44,510	3,391	9,020	2,082	10,050	3,785
Total Roads	96,692	56,215	100,900	59,189	111,930	62,301	74,020	63,142	77,960	66,725

Table 3 shows the four-year Capital forecast for the Roads/Bridges/Traffic Infrastructure Rehabilitation Program. The net City investment for the four programs (roads/bridges/O&M/Development) fluctuates based on where the rehabilitation priority is the greatest.

Table 4
Investment in Roads/Traffic/Bridges

\$(000's)	2020		2021		2022		2023	
	GROSS	NET	GROSS	NET	GROSS	NET	GROSS	NET
Growth Related	22,990	3,769	44,510	3,391	9,020	2,082	10,050	3,785
Replacement Program / State of Good Repair	7,440	4,600	7,550	5,040	6,830	5,830	16,950	15,830
Urban Rehabilitation / State of Good Repair	17,480	12,580	18,740	18,490	19,810	19,560	12,300	11,200
Local Road Program / State of Good Repair	5,880	3,260	2,770	840	1,580	1,090	3,980	3,430
Rural Rehabilitation / State of Good Repair	2,750	750	2,970	2,970	4,100	4,100	2,000	2,000
Bridges and Structures	14,020	13,620	10,680	10,680	10,090	10,090	11,380	11,380
Operations and Maintenance	3,070	2,520	2,600	2,550	2,250	2,200	2,250	2,200
Technical Studies and Reporting	3,130	2,530	2,310	2,310	2,240	2,240	2,250	2,250
Traffic Operations and Engineering	9,480	6,210	9,510	7,360	9,480	7,330	8,180	6,030
Streetlighting	400	400	400	400	350	350	350	350
Engineering Services Staffing Cost	5,570	5,570	5,570	5,570	5,570	5,570	5,570	5,570
Council Priority Projects	8,690	3,380	4,320	2,700	2,700	2,700	2,700	2,700
TOTAL CAPITAL RELATED EXPENDITURE	100,900	59,189	111,930	62,301	74,020	63,142	77,960	66,725

Table 4 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. 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 three years, the WIP completion rate for the Tax Supported WIP's has stabilized around 78%. For the 2020 Tax Supported Capital Budget, staff reviewed all WIPs and other internal revenues to identify funds which can be used to reduce the levy requirement in 2020; this review yielded \$15.6M being reallocated towards the funding used on 2020 for strategic priorities as illustrated in Table 5.

Table 5

2020 Reallocation of Work-in-progress (WIP) and Other Internal Funding by Program

	<u>Amount (000's)</u>
Corporate Facilities	\$ 90
O & M - Parks & Cemeteries/Forestry	418
Open Space Development	772
Recreation Facilities	570
West Harbour & Waterfront Strategic Initiatives	1,500
Roads	<u>12,200</u>
Total 2020 WIP & Other Internal Funding	\$ 15,550

C. 10-Year Local Transit Strategy:

The proposed 10-Year Capital Transit Plan, 2020-2029 proposes \$589.3M in gross strategic capital investments, refer to Table 6. These investments include \$511M over a 7-Year Council approved Public Transit Stream Project (ICIP), Report PW19083/ FCS018048(a), in partnership with federal infrastructure program, Investing in Canada Infrastructure Program (ICIP) (Refer Table 6).

Capital investments in the Public Transit Stream Project (ICIP), will support the BLAST Rapid Transit Network 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

Currently, the Hamilton Street Railway (HSR) operates a fleet comprised of 267 buses. This fleet is scheduled to grow by 85 buses by 2025. Due to current capacity issues, a new bus storage facility is required. The identified funding sources to support the proposed 10-Year Capital Transit Plan, 2020-2029 include ICIP, new debt, Internal Reserves, Development Charges and Federal Gas Tax.

Public Transit Stream (ICIP)

The Government of Canada, in conjunction with The Government of Ontario, has entered into a cost sharing infrastructure funding program, Investing in Canada Infrastructure Program (ICIP). The Ontario funding is to be allocated provincially on the basis of transit ridership.

To be considered for funding, a project must be aligned with at least one of the following transit improvement outcomes:

1. Improved capacity of public transit infrastructure
2. Improved quality and/or safety of existing or future transit systems
3. Improved access to a public transit system

On July 22, 2019, the City of Hamilton was advised the application process for funding under the Public Transit Stream of ICIP was open for municipalities inside the Greater Toronto and Hamilton area. City of Hamilton's ICIP Public Transit Stream submission includes projects with total gross project costs of \$511M, refer to Table 6, \$31M of which relates to Birch Avenue bridge (Roads project). The City's share in the amount of \$136.3M of the multi-year strategy for Public Transit Stream Project's capital requirements is being financed through tax and development charge supported new debt and reserves funding. It is estimated that the new debt will amount to \$18.6M in 2020, \$19M in 2021, \$9M in 2022 and \$1M in 2023-2024.

In order to accommodate the debt charges associated with this financing strategy, Council approved through Report PW19083/ FCS018048(a), additional levy increases of 0.21% in 2020, 0.22% in 2021, 0.11% in 2022 and 0.01% in both years 2023 and 2024.

The projects listed in Table 6 were submitted for ICIP funding and are incorporated into the 2020 Tax Supported Capital Budget and Financing Plan. The projects must be substantially completed by March 31, 2027.

Table 6
Transit Projects

(\$000's)	Pre 2020		2020		2021-2029		Total 10 Year	
	Gross	Net	Gross	Net	Gross	Net		
Terminal and End of Line Rehabilitation	-	-	150	150	675	675	825	825
Bus Stop Shelter Rehabilitation	-	-	125	125	1,125	1,125	1,250	1,250
Renaming the MacNab Terminal	-	-	37	37	-	-	37	37
Transit Shelter Expansion Program	-	-	150	-	1,350	-	1,500	-
Rapid Ready & Ten Year Local Transit Strategy Implementation	550	500	50	-	100	-	150	-
ATS - Vehicle Replacement Program	-	-	1,400	-	-	-	1,400	-
Nonrevenue Vehicle Replace Program	-	-	162	-	841	-	1,003	-
HSR Bus Replacement Program	-	-	-	-	67,359	11,100	67,359	11,100
PRESTO Equipment Replacement	-	-	-	-	4,825	4,825	4,825	4,825
Non ICIP projects	\$ 550	\$ 500	\$ 2,074	\$ 312	\$ 76,275	\$ 17,725	\$ 78,349	\$ 18,037
Public Transit Stream Project (ICIP):								
PRESTO Equipment Replacement	-	-	5,000	1,333	-	-	5,000	1,333
Transit Maintenance and Storage Facility (Cash Flow Project)	22,000	-	120,000	17,256	140,000	16,876	260,000	34,132
HSR Expansion Buses - Modal Split	-	-	6,400	-	38,219	-	44,619	-
HSR Bus Replacement Program	-	-	13,528	-	100,549	-	114,077	-
HSR Bus Expansion Program - 10 Year Plan	10,380	5,190	4,000	-	24,715	-	28,715	-
Active Transportation Connections	-	-	900	-	9,100	-	10,000	-
Birch Avenue Bridge/Road Works	-	-	-	-	31,000	8,267	31,000	8,267
HSR Bus Replacement Program	-	-	-	-	-	-	-	-
Real-Time Operations Management	-	-	-	-	5,000	1,335	5,000	1,335
Real-Time Information Infrastructure	-	-	-	-	2,000	533	2,000	533
A-Line Priority Bus Corridor	-	-	-	-	8,500	2,266	8,500	2,266
Ranger Equipment Replacement	-	-	-	-	2,000	533	2,000	533
ICIP projects	\$32,380	\$ 5,190	\$ 149,828	\$18,589	\$ 361,083	\$29,810	\$ 510,911	\$ 48,399
Grand Total	\$32,930	\$ 5,690	\$ 151,902	\$18,901	\$ 437,358	\$47,535	\$ 589,260	\$ 66,436

D. Investing in Canada Infrastructure Program (ICIP):

On March 14, 2018, the Federal Government of Canada and Ontario announced the signing of a bilateral agreement that will provide more than \$11.8B through the Investing in Canada Plan over the next decade in federal funding to Ontario dedicated to infrastructure projects.

Information previously released on March 22, 2017 in the Federal 2017 Budget with a second phase of federal investments for the rehabilitation, repair and modernization of existing infrastructure. One key element of the plan is \$33B in infrastructure funding to be delivered through bilateral agreements currently being negotiated between the Federal government and each of the provinces and territories. Provinces will have to cost-share on municipal projects at a minimum of 33.33% of eligible costs. Municipalities will be required to contribute at least 26.67% of total project costs.

- \$20.1B for public transit – Ontario's allocation is \$8.3B (41%)
- \$9.2B for green infrastructure – Ontario to receive \$2.8B (30%)
- \$1.3B for community, culture and recreation infrastructure – Ontario to get \$407M (31%)
- \$2.4B for rural and northern communities – Ontario to receive \$250M (10%)

City of Hamilton ICIP Transit Program

The ICIP Program provides the City of Hamilton the opportunity to move forward with critical Transit infrastructure priorities. In accordance with the ICIP cost sharing structure, the City will be able to leverage nearly \$375M in senior government grants with City funding of approximately \$136.3M on capital projects totalling \$511M to improve the quality, safety, access and capacity of the integrated public transit system over the next seven years. Refer Table 7 for detail regarding the City's 10-year ICIP Transit project program.

Report PW19083/FCS18048(a) approved by Council October 9, 2019 allows the General Manager, Finance and Corporate Services, to negotiate the terms and issuance of a debenture(s) up to \$83.6M over several years to Investing in Canada Infrastructure Program, Public Transit Stream capital projects as attached in Appendix "A" to Report PW19083/FCS18048(a) which includes \$48.4M in Tax Supported municipal debt and \$35.2M in Tax Supported Development Charges municipal debt. The tax supported debt servicing costs or debt charges estimated at \$4.8M will be reflected in the tax capital levy in the appropriate fiscal year. The development charges debt charges will be also be budgeted in the appropriate fiscal year with the offsetting recovery from DC reserves.

Table 7
Transit Projects Submitted for ICIP

(\$000's)	Pre 2020		2020		2021-2029		Total 10 Year	
	Gross	Net	Gross	Net	Gross	Net		
Public Transit Stream Project (ICIP):								
PRESTO Equipment Replacement	-	-	5,000	1,333	-	-	5,000	1,333
Transit Maintenance and Storage Facility (Cash Flow Project)	22,000	-	120,000	17,256	140,000	16,876	260,000	34,132
HSR Expansion Buses - Modal Split	-	-	6,400	-	38,219	-	44,619	-
HSR Bus Replacement Program	-	-	13,528	-	100,549	-	114,077	-
HSR Bus Expansion Program - 10 Year Plan	10,380	5,190	4,000	-	24,715	-	28,715	-
Active Transportation Connections	-	-	900	-	9,100	-	10,000	-
Birch Avenue Bridge/Road Works	-	-	-	-	31,000	8,267	31,000	8,267
HSR Bus Replacement Program	-	-	-	-	-	-	-	-
Real-Time Operations Management	-	-	-	-	5,000	1,335	5,000	1,335
Real-Time Information Infrastructure	-	-	-	-	2,000	533	2,000	533
A-Line Priority Bus Corridor	-	-	-	-	8,500	2,266	8,500	2,266
Ranger Equipment Replacement	-	-	-	-	2,000	533	2,000	533
Total ICIP projects	\$32,380	\$5,190	\$149,828	\$18,589	\$361,083	\$ 29,810	\$510,911	\$48,399

City of Hamilton ICIP Community, Culture and Recreation Capital Submission:

On September 3, 2019, the Province announced that it was now accepting funding applications for projects under the Investing in Canada Infrastructure Program's (ICIP) Community, Culture and Recreation (CCR) stream. The funding will go towards investing in community, culture and recreational projects that will help deliver vital

services for communities, foster greater social inclusion and improve the quality of life for residents across the province.

The CCR intake is a competitive process. Funding approval is not guaranteed. Priority will be given to projects that are community-oriented, non-commercial and open to the public. Projects must be substantially completed prior to March 31, 2027. Applications and all supporting documentation was submitted prior to the Provincial deadline of November 12, 2019. The Province will notify applicants if their project has been selected for nomination to the federal government for review and approval in winter 2020 (estimated). Applicants will be notified of the federal funding decision in spring / summer 2020 (estimated).

Report FCS19080 approved by Council October 23, 2019 contained a list of 43 projects requesting ICIP CCR funding of \$233.3M, City share of \$84.9M, total project costs of \$318.2M, with the cashflow of planned expenditures and the estimated Operating Budget impacts for each proposed project submission. The sources of financing of the City's contribution will vary and are dependent on the specific projects approved and the amount of funding approved. Once the City is notified which projects have been approved, staff will report back to Council with a financing plan. The 2020 Tax Supported Capital Budget includes setting aside \$5M to proactively plan for a portion of the City's share for anticipated approvals.

E. 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 2017, the median rent in Hamilton was \$967¹. In 2018, the median market rent (MMR) for units in Hamilton increased to \$1,047² per month. This equates to an average annual increase of 8.3%, a pace that far exceeds the rate of inflation. 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.

¹ Canada Mortgage and Housing Corporation, (2017). Rental Market Survey

² Canada Mortgage and Housing Corporation, (2018). Rental Market Report

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

2019 Housing Investments

Poverty Reduction Investment Plan

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.

Canada Ontario Community Housing Initiative and Ontario Priority Housing Initiatives

In April 2019, the Province released the Canada-Ontario Community Housing Initiative (“COCHI”) and the Ontario Priorities Housing Initiative (“OPHI”) which will provide \$16.17M over three years in federal and provincial funding to Hamilton for a suite of housing programs which include the development and repair of affordable housing and rent subsidies.

OPHI is a rebranding of the former Investment in Affordable Housing Program Extension (“IAH-E”) with an increased scope. The OPHI funding commitment is for three years from April 1, 2019 to March 31, 2022. The purpose of COCHI is to support social housing in becoming sustainable long-term, with investment to offset the ongoing decline of federal funding under the Canada-Ontario Social Housing Agreement. Both COCHI and OPHI can assist Service Managers and housing providers address the challenges associated with social housing projects reaching the end of their operating agreements and/or mortgage maturity.

The amount of funding allocated to Hamilton through both COCHI and OPHI is substantially less than that received through previous programs over the last three years as detailed in Report HSC19042. In 2019, an RFP was issued under OPHI for \$4.6M new affordable rental construction. A Call for Applications was issued under COCHI to fund \$1M of capital repairs for social housing providers.

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.

As of December 31, 2018, there were 6,704 households waiting for rent-geared-to-income housing in Hamilton. This represents an increase of approximately 10% over December 31, 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.

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).

Table 8 provides a complete picture with regards to City Housing Hamilton's (CHH) Capital Program for the period 2019 – 2023. Of note is the annual CHH Capital allocation which is included in the \$33M funded annually from the City's levy supported operating budget. Including this amount, the total amount of Capital spending (rehab

and new) on housing from all government sources for the period 2019 – 2023 totals \$262.1M. This does not include an additional \$50M of capital expenditures (cumulative 2019 – 2023) for non CHH units. Table 8 also shows that the City has committed Capital spending of \$138M on major capital projects for new and replacement units for the period 2019 – 2023. The incremental spending (includes new debt charges and discretionary capital/reserve funding) for the five-year period 2019 – 2023 totals approximately 6.43% or \$83.1M.

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 2019, the City subsidized social housing costs in the approximate amount of \$49M with \$33M funded from the levy supported operating budget and \$16M funded through Federal government sources.

Table 8
Total CityHousing Hamilton (CHH) Capital Investments 2019 – 2023

	2019	2020	2021	2022	2023	Total
Total All Funding Sources						
Annual CHH Capital Allocation	\$ 8,688,377	\$ 8,862,145	\$ 9,039,387	\$ 9,220,175	\$ 9,404,579	\$ 45,214,663
Riverdale - Housing					11,700,000	11,700,000
Poverty Reduction Funds-Repairs	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Poverty Reduction Funds-Dev.	2,000,000	2,000,000	2,000,000	2,000,000		8,000,000
Roxborough Long term Debt		22,491,020				22,491,020
McNab Project (Debt)		9,229,500				9,229,500
Sold Unit Funds *ni		15,120,000	5,350,000	3,864,000		24,334,000
Land sale Roxborough *ni		6,733,980				6,733,980
Development Charges*ni	2,400,000					2,400,000
Block Funding	500,000	500,000	500,000	500,000	500,000	2,500,000
Loan From IO/CMHC					14,789,000	14,789,000
Jamesville			16,500,000			16,500,000
CMHC Inn. Grant McNab *ni		1,000,000				1,000,000
CMHC Ln @ 2% /30 years McNab			2,650,000			2,650,000
SHAIP Funding - MacNab*ni	2,075,000	2,075,000				4,150,000
GMF Ln @ 4.75%/ 20 years McNab			5,000,000			5,000,000
GMF Grant McNab *ni		750,000				750,000
CMHC Co-Inv. Grant McNab *ni		3,000,000				3,000,000
CMHC Co-Inv. Loan McNab			3,300,000			3,300,000
SHAIP Funding *ni	1,081,115	4,237,231				5,318,346
NHS CMHC Repair - Grant*ni		7,000,000	7,000,000	7,000,000	7,000,000	28,000,000
NHS CMHC Repair - Debt		10,000,000	10,000,000	10,000,000	10,000,000	40,000,000
	\$ 17,744,492	\$ 93,998,876	\$ 62,339,387	\$ 33,584,175	\$ 54,393,579	\$ 262,060,509
Total City Investment						2020 - 2023
Includes debt (15yr@5%)						\$ 116,212,394
Reserves (HFF), DC's (foregone) and annual CHH						
Cap Allocation (*ni = not included)	\$ 12,188,377	\$ 16,534,197	\$ 42,306,439	\$ 23,851,227	\$ 33,520,531	\$ 128,400,771
Lewy Investment	\$ 3,500,000	\$ 7,672,052	\$ 16,767,052	\$ 14,631,052	\$ 12,415,952	\$ 54,986,108
(Debt chrg, block,HFF)	0.41%	0.90%	1.96%	1.71%	1.45%	6.43%
Major Capital Project Funding Breakdown						
500 McNab (146 units retrofit)	\$ 5,225,000	\$ 16,825,000	\$ 10,950,000			\$ 33,000,000
Roxborough (103 units - replacement)		29,225,000				29,225,000
55 Queenston (41 units)		10,120,000				10,120,000
Bay / Cannon (65 units)	6,533,000	500,000	500,000	500,000	9,033,000	17,066,000
Macassa (65 units)		5,000,000	5,350,000		4,600,000	14,950,000
Riverdale					11,700,000	11,700,000
Jamesville			16,500,000			16,500,000
253 King William (20 units)				3,864,000	1,656,000	5,520,000
						\$ 138,081,000

F. Capital Budget – Climate Change Lens:

The City of Hamilton is already experiencing the impacts of climate change through shoreline and escarpment erosion, millions of dollars of infrastructure damages caused by extreme storm events and freeze/thaw cycles, increases in extreme heat events leading to drought, and increased precipitation leading to flooding. The City’s 2020 Tax Supported Capital Budget includes approximately \$202.4M in projects which contribute positively to the City of Hamilton’s climate actions goals. For example:

- By investing in Transit, smart walkable cities, reducing emissions and prioritizing green infrastructure the City will be improving air quality and citizens access to naturalized areas;
- Programs to accelerate net-zero energy buildings, with a focus on social housing and government incentives, will help reduce expensive utility costs and improve standard of living; and,
- Building retrofit programs can create thousands of good paying, local skilled trade jobs improving employment rates and reducing poverty.

It is important that all strategies and actions include both equitable health and social considerations in order to achieve all of Hamilton’s priorities. Table 9 summarizes the amount of 2020 Capital funding which positively impacts climate change.

**Table 9
2020 Tax Capital Projects Mitigating Climate Change**

	Gross Costs \$(000's)
West Harbour Shoreline rehab	2,200
Parkland Acquisition	2,500
National Housing Strategy	17,000
Housing Rehab	500
Energy Initiatives	1,526
Forestry/Tree Planting	4,080
Parkland Development	10,897
TMP modeling/LED Upgrades	1,830
Bicycle Infrastructure	1,010
Transit	151,902
Composting/Waste Diversion/Waste Mgmt	8,912
Total	202,357

Table 9 illustrates that over half of the City’s Total Gross Tax Capital Budget (\$399.7M) includes projects which will positively impact climate change and the natural environment.

Climate change mitigation and adaptation planning is complex and requires coordinated attention and action among City departments across the corporation, businesses and organizations across Hamilton, including individual citizens. Recent direction from Council calls for the creation of a multi-departmental Corporate Climate Change Task Force under the leadership of the City Manager.

This Task Force is directed to undertake an extensive investigation to determine:

1. Additional actions to be taken to incorporate into existing plans and policies to achieve net zero carbon emissions before 2050;
2. Best processes to centralize reporting on Climate Change for the Corporation of the City of Hamilton;
3. Investigation into past green initiative investments and returns to the community;
4. Gaps in current programs and projects and strategies to address those gaps; and,
5. Establishment of a critical path and Terms of Reference to initiate an awareness strategy campaign.

In examining some of the success that the City has achieved in tackling climate change, the following metrics have been presented to Council earlier in 2019;

1. The City of Hamilton has reduced its corporate carbon footprint between 2005 and 2017 by 38%. In addition to efforts surrounding reducing impacts of personal property flooding, the City has initiated a number of energy conservation initiatives;
2. Energy intensity at City facilities (e.g. Recreation, Lodges, Entertainment, Police, etc.), has been reduced by 28% when comparing 2017 versus 2005;
3. The City of Hamilton was a leader in the development of local district energy. The City of Hamilton established Hamilton Renewal Power Inc. (HRPI), which operates cogeneration at the wastewater treatment plant and landfill. HRPI generates 28,000,000 kWh of renewable energy annually with a reduction of 100,000 tons of carbon dioxide equivalent (tCO_{2e});
4. Cumulative greenhouse gas (GHG) reductions from energy conservation initiatives over the period 2011-2017 is 52,325 tCO_{2e};
5. When comparing greenhouse gas (GHG) emissions for the periods 2017 versus 2005, 2005 emissions were in excess of 120,000 tCO_{2e}, decreasing to below 80,000 tCO_{2e} by 2017.

G. 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 alongside 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.

Of the \$102.4M West Harbour Capital Projects approved for the end of 2019, \$40.6M was funded from debt (excluding DC debt of \$8.1M). 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.

Council approved, in principle, with the 2019 Tax Capital Budget, that the amount of West Harbour Capital to be debt financed would be the corresponding annual amount of Capital in excess of the Development Ready 2018 Financing Plan. Therefore, for the budget year of 2020, the 2018 Development Ready Financing Plan had budgeted \$4.52M in 2020. The updated 2020 Capital Forecast is \$7.45M in 2020. The incremental amount of Capital to be debt financed is \$2.93M which corresponds to a 0.03% Capital Levy increase or approximately \$282K annually.

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 2022 - 2032.

From 2012 to 2019, Council approved approximately \$102.4 M in capital funding toward the West Harbour Re-Development Plan, with \$10.2M gross and \$7.45M net (utilities

revenue \$1M and \$1.45M WIP transfer) from the tax supported Capital Levy approved, in principle, for 2020. 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

Capital project cost estimates within the West Harbour Implementation Plan developed between 2010 and 2012 were based on high-level conceptual designs and did not include cost indexing. The 2020 Capital Budget and budget forecast for future years (Refer Table 10) 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.

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

1. Pier 8 Shorewall Rehabilitation
2. Copp's Pier (Promenade Park) Construction
3. Pier 8 Sanitary Pumping Station Construction; and
4. Pier 8 Site Servicing

In addition, beyond 2020 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 2022.

The existing HPS Marine Unit building is past the useful lifespan and is being demolished as part of the Piers 5-7 public realm project. In the interim, in 2019 the Police Marine Unit has re-located into a temporary facility at Macassa Bay. As a result, a commitment to funding the permanent facility would be required.

2. New Public Parking Garage, estimated at \$33.2M (updated estimate). The functional planning, pre-engineering, and design work in 2023 of \$4.9M (\$3.675M net of DCs). Construction costs of \$28.3M in 2025 (\$21.225M net of DCs).

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 has 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 10
West Harbourfront Strategic Initiatives – Net Capital Forecast

(\$000's)	Development Ready 2018 Financing Plan		Total West Harbour Implementation Plan 2020 Capital Submissions		Change (Increase) / Decrease
Approved 2012 - 2019	\$	102,380	\$	102,380	
Proposed 2020	\$	4,520	\$	7,450	\$ (2,930)
Proposed 2021	\$	11,010	\$	9,020	\$ 1,990
Proposed 2022	\$	7,470	\$	11,930	\$ (4,460)
Proposed 2023	\$	-	\$	7,472	\$ (7,472)
Proposed 2024 - 2029	\$	-	\$	23,797	\$ (23,797)
Subtotal 2020 - 2029	\$	23,000	\$	59,669	\$ (36,669)
Total	\$	125,380	\$	162,049	\$ (36,669)

Development Ready 2018 Financing Plan did not include projects such as the Police Marine Facility \$2.06M net (2022) West Harbour Parking Garage \$24.8M (net 2023, 2024), Bayfront Park Upgrades \$1.26M (2021), Pier 8 Streetscaping \$3.7M (2023, 2024), Pier 8 Greenway \$1.6M (2023,2024) and Indexing \$3.25M. Total = \$36.7M

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 over a typical 10-year Capital Budget cycle, and therefore year-over-year project budgets and timing could be adjusted to reflect revisions to the project scope and the timing of inter-dependent projects. 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”;
- March 27, 2019, Council approved GIC Report 19-005 Including Report PW17075b entitled “Status of West Harbour Implementation”; and
- October 9, 2019, Council approved GIC Report 19-019 including Report PW17075(c) entitled “Status of West Harbour Implementation”.

6.0 2020 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 1.10% Capital Levy tax increase (\$9.545M). 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:

1. The Capital Levy as a percentage of the total levy (refer Table 11) is at 13.1% (2019). 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.
2. 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.

3. The City's current annual infrastructure gap is estimated at \$195M per year.

As per Table 11, in 2019, \$116.4M (13.1% of the City's \$887M tax levy) was used for capital purposes. For 2020, staff recommend a \$126M Capital Levy consisting of \$41.8M in budgeted debt charges and a \$84.2M transfer from operating to capital (direct dollar funding). This represents a Capital Levy increase of 8.2% (\$9.5M) over the previous year.

Table 11
Tax Capital Levy History

(\$ Millions)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Total Tax Levy	673.0	692.4	705.1	727.3	748.3	797.6	827.7	845.4	857.9	886.7
Capital Levy	80.4	83.4	86.7	90.2	90.2	94.6	99.0	102.9	112.0	116.4
Capital Levy % of Total Levy	11.9%	12.0%	12.3%	12.4%	12.1%	11.9%	12.0%	12.2%	13.1%	13.1%
Capital Levy Increase	3.7%	3.7%	4.0%	4.0%	0.0%	4.9%	4.7%	3.9%	8.8%	3.9%

Table 12 illustrates the Tax Levy Impact of a 1.10% 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 12
Capital Budget Impact on Operating Budget

(\$000's)	2019 Restated	2020 PROPOSED	CHANGE	
			\$	%
Debt Charges	45,285	41,759	(3,526)	(7.8)
Transfer from Operating	71,166	84,237	13,071	18.4
Total Tax Supported Capital Levy	116,451	125,996	9,545	8.2
Levy Impact on Average Residential Property Tax 1.1% (\$39)				

Figure 3 and Figure 4 illustrate the 2020 Capital funding sources and the corresponding recommended allocation across programs.

Figure 3

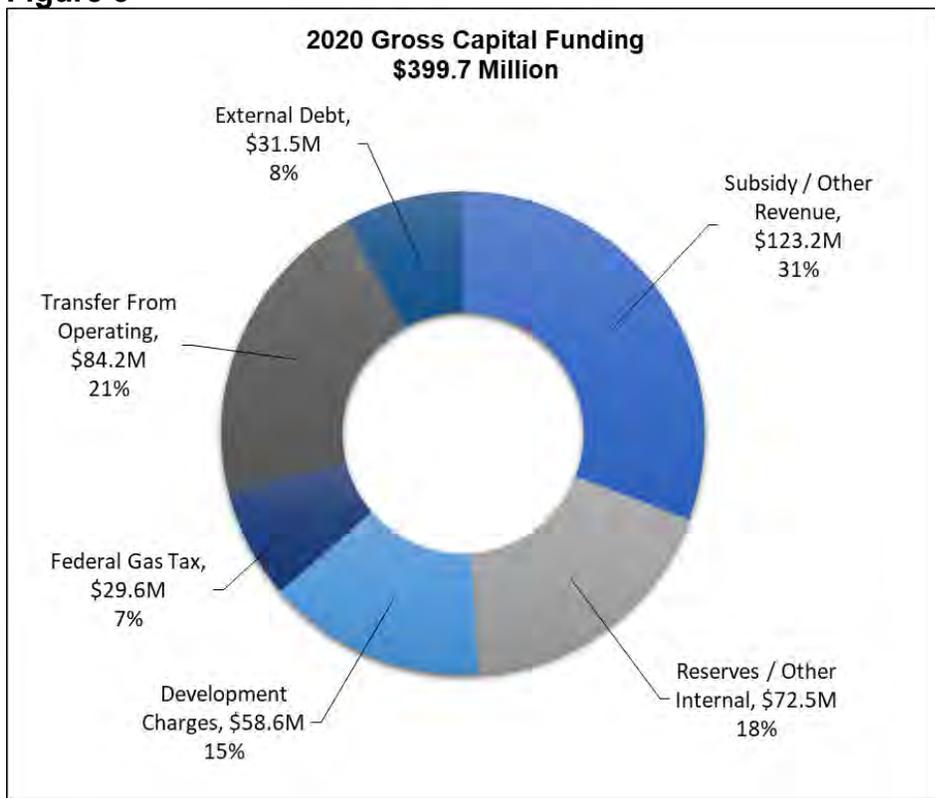
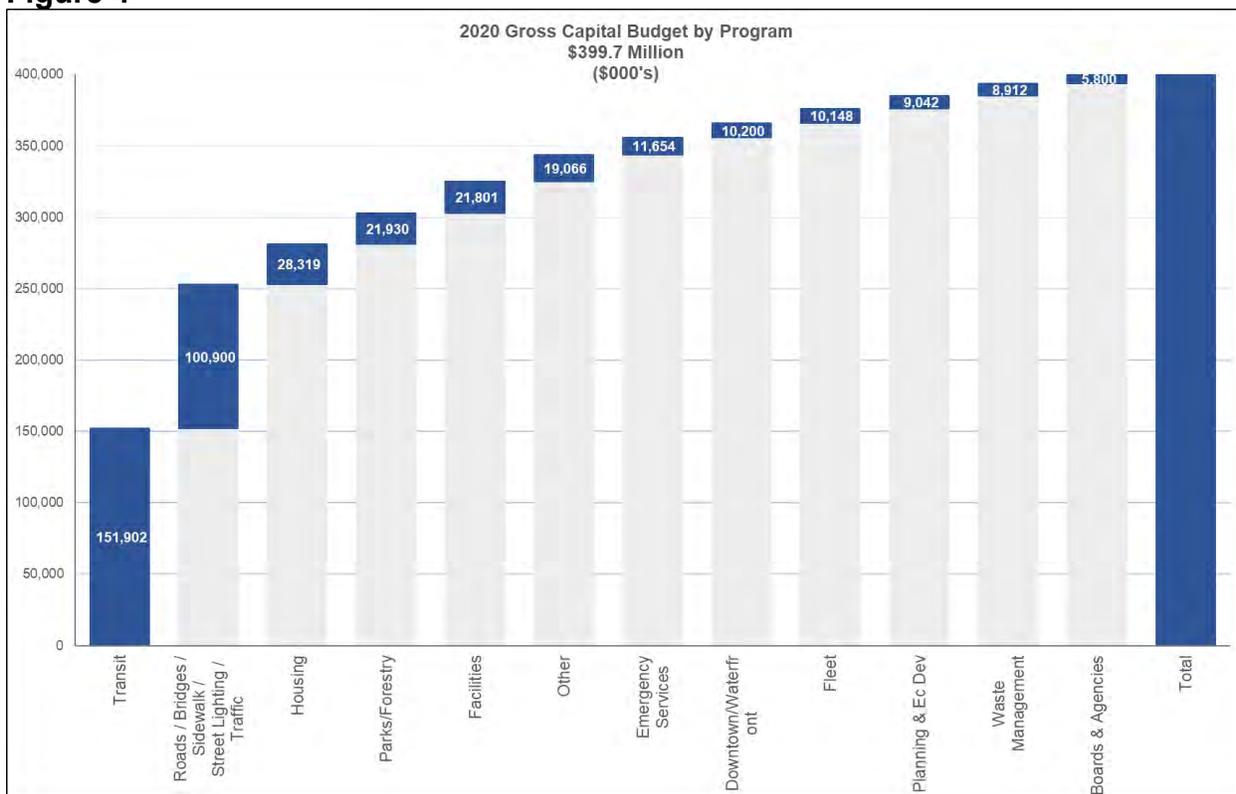


Figure 4



7.0 2020 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.

The process for the 2020 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 2019 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.

Meeting the Provincially required deadlines for Asset Management Planning (AMP) will provide the City with another Capital Prioritization Tool. By July 1, 2021, the City will be required to determine the cost to maintain current service levels covering core infrastructure assets. Council will then have to decide whether the City should increase spending on core assets to maintain them or target the available funds only to priority core assets and let the service levels decline on non-priority assets.

8.0 2020 PROPOSED TAX SUPPORTED CAPITAL BUDGET

Table 13 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 1.10% tax increase (\$9.545M) dedicated to the Capital Levy.

Table 13
Tax Supported Capital Budget

(\$000's)	2019		2020		Difference	
	FCS18097		CAPITAL PROGRAM		GROSS	NET
	GROSS	NET	GROSS	NET		
Proposed Program Funding						
Recreation Facilities	10,293	4,616	14,125	4,695	3,832	79
Corporate Facilities / Energy Initiatives	5,902	4,860	6,776	4,745	874	(115)
Entertainment Facilities	2,839	800	900	800	(1,939)	-
Forestry & Horticulture (Includes Tree Planting)	1,895	1,345	1,480	1,345	(415)	-
Open Space Development	8,333	3,398	10,897	2,503	2,564	(896)
Waste Management	3,712	3,468	8,912	7,495	5,200	4,027
Transit Services	24,250	5,111	2,074	312	(22,176)	(4,799)
Transit Services (ICIP PW19083/FCS18048(a))	-	-	149,828	18,589	149,828	18,589
Corporate Fleet Services	10,125	-	10,148	-	23	-
Parks & Cemeteries	2,625	1,658	3,178	1,138	553	(520)
Roads / Bridges / Sidewalk / Street Lighting / Traffic	96,692	56,215	100,900	59,189	4,208	2,974
West Harbour & Waterfront Initiatives	8,210	8,210	10,200	7,450	1,990	(760)
Healthy and Safe Communities-	553	318	-	-	(553)	(318)
Housing Services	7,500	7,500	28,319	17,500	20,819	10,000
Long-Term Care Facilities	1,435	500	1,664	912	229	412
Emergency Services	10,689	982	11,654	1,000	965	18
Corporate Services / City Manager	10,597	9,976	17,402	17,099	6,805	7,123
Area Rating (Former City of Hamilton)	-	-	900	-	900	-
Planning & Development	6,711	1,398	5,130	543	(1,581)	(855)
Tourism & Culture	2,294	1,702	1,702	1,702	(592)	-
Downtowns & Commercial Districts	2,210	2,210	2,210	2,210	-	-
Total Program Funding	216,865	114,267	388,399	149,227	171,534	34,960
Other Major Projects						
Parkland Acquisition	1,500	1,500	2,500	2,500	1,000	1,000
Randle Reef	375	375	375	375	-	-
Emerald Ash Borer Program	2,600	2,600	2,600	2,600	-	-
Total Other Major Projects	4,475	4,475	5,475	5,475	1,000	1,000
Total Before Special Levies and Boards	221,340	118,742	393,874	154,702	172,534	35,960
Special Levies & Boards						
CityHousing	500	500	500	500	-	-
Police Services	1,485	1,485	1,730	1,480	245	(5)
Hamilton Public Library	1,725	720	1,500	750	(225)	30
Beach Rescue	70	-	70	-	-	-
H.C.A / Confederation Park / Westfield	2,000	2,000	2,000	2,000	-	-
Total Special Levies & Boards	5,780	4,705	5,800	4,730	20	25
Total Funded Projects	227,120	123,447	399,674	159,432	172,554	35,985

9.0 2020 – 2023 TAX SUPPORTED CAPITAL FORECAST ASSUMPTIONS / HIGHLIGHTS

- Budgeted debt financing. For the 2020-2023 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. The amount of subsidy funding utilized in the 2020 Tax Capital Budget is \$29.6M for 2020.
3. Hamilton Utilities Corporation Capital Funding Dividend. Based on the Hamilton Utilities Corporation Dividend Policy staff incorporated \$5.3M in dividends to fund the Capital Program in 2020 and \$5M in each subsequent year thereafter (\$3M dedicated to the Poverty Reduction Strategy).

Table 14 provides a four-year discretionary capital forecast for 2020 – 2023 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 \$71.2M in 2019 to \$84.2M in 2020.
- b) 2020 Capital financing surplus stems from calendar year 2019 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 14 assumes an annual 0.5% property tax increase to support regular capital programming and additional property tax increases of 0.60% in 2020. The additional 0.60% supports the debt financing of the municipal contribution required for the City's share of the Federal (ICIP - Transit) Program (0.21%), DC Exemption funding (0.23%), Downtown Office Accommodation Strategy (0.13%) and West Harbour (over and above the 2018 development ready masterplan requirements – 0.3%).

Staff recommends incorporating the operating impact of capital projects in the 2021 operating budget. In 2019, the operating impact of Capital for inclusion into the 2020 operating budget was \$2.2M and 15.77 FTE's. The operating impact of the 2020 Capital Budget for inclusion into the 2021 operating budget is \$3.4 M and 24.66 FTE's. \$15 K is recommended to be included in the 2020 Operating budget.

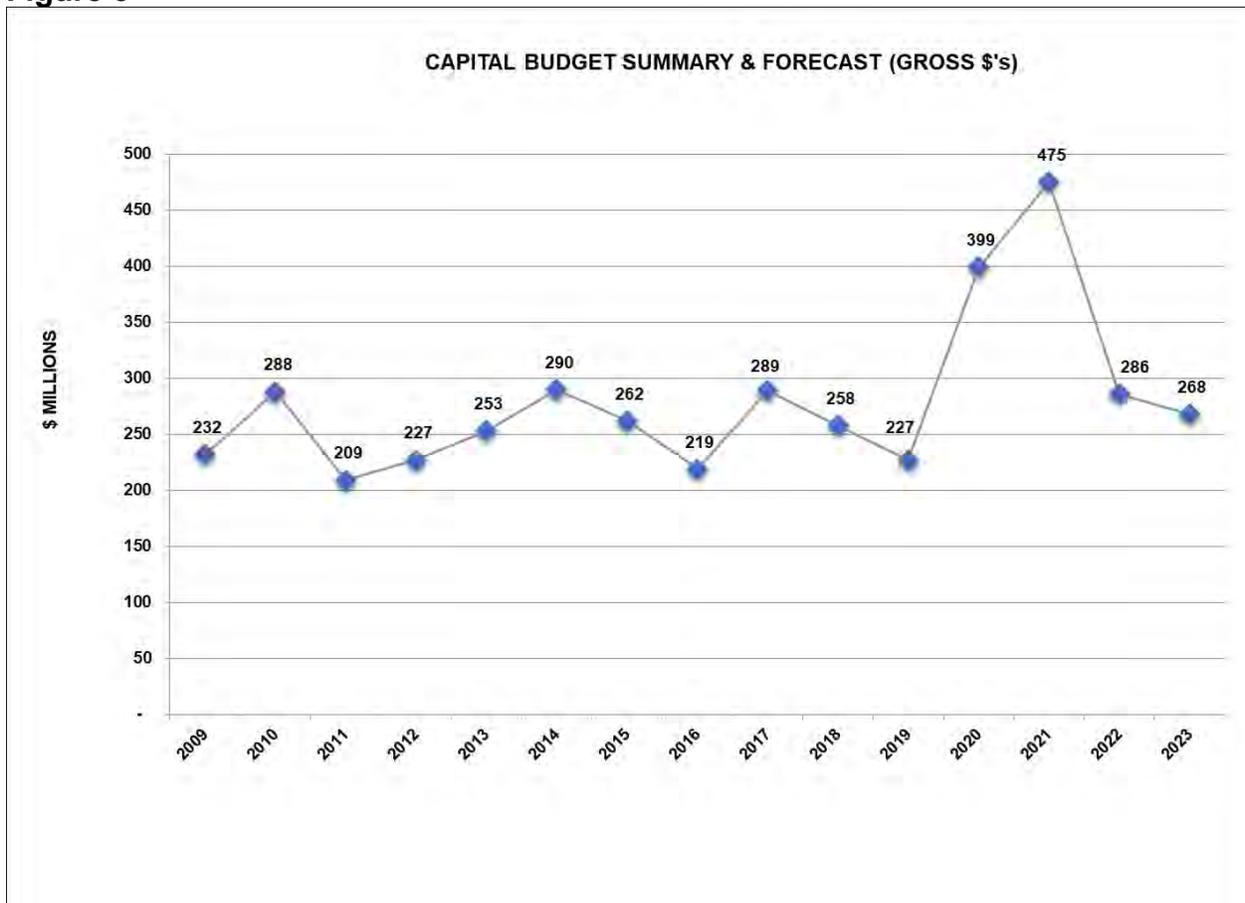
Table 14
Discretionary Tax Supported Net Capital Forecast for 2020 – 2023

Sources of Funding (Net) (\$000's)	2019 Restated	2020 Proposed	2021 Forecast	2022 Forecast	2023 Forecast
Sustainable Funding Sources					
Contribution from Operating	70,538	84,237	81,710	89,799	97,504
Hydro Dividends	2,000	2,300	2,300	2,300	2,300
Hydro Dividends - Poverty reduction	3,000	3,000	3,000	3,000	3,000
Future Fund - Poverty Reduction	4,000	4,000	4,000	-	-
Federal Gas Tax	32,576	29,576	34,057	34,057	35,537
Previous Yrs. Capital Financing Surplus	5,000	4,800	2,000	2,000	2,000
Total Sustainable Funding Sources	117,114	127,913	127,067	131,156	140,341
Non-Sustainable Funding Sources					
Unallocated / Other Capital Reserve	2,500	-	-	-	-
Total Non-Sustainable Funding Sources	2,500	-	-	-	-
Total New External Debt (Principal)	3,833	31,519	32,527	31,695	18,005
Total Funding (Net)	123,447	159,432	159,594	162,851	158,347
Net Capital Funding (Block Funding) (\$000's)	2019 Restated	2020 Proposed	2021 Forecast	2022 Forecast	2023 Forecast
Corporate Services	286	202	90	90	90
Information Technology	1,815	983	800	800	-
Corporate Facilities	4,860	4,745	4,583	4,583	4,583
Cultural Facilities	1,702	1,702	1,702	1,702	1,702
DC exemptions	6,500	8,500	8,500	8,500	8,500
Downtowns & Commercial Districts	2,210	2,210	2,210	2,210	2,210
Economic Development Initiatives	765	-	2,000	2,000	2,000
Entertainment Facilities	800	800	800	800	800
Fire / Paramedic Services	982	1,000	1,000	1,000	1,000
Forestry & Horticulture	1,345	1,345	1,345	1,345	1,345
Health and Safe Communities - Other Div	318	160	160	160	160
Housing Services	7,500	7,500	7,500	3,500	3,500
Long Term Care Facilities	500	752	500	500	500
Park Development (New/Expansion)	3,398	2,503	3,241	3,241	3,241
Park's Operations	1,658	1,138	1,138	1,138	1,138
Parkland Acquisition	1,500	2,500	1,500	1,500	1,500
Planning / Development	633	543	130	130	130
Recreation Facilities	4,616	4,695	4,580	4,580	4,580
Roads / Bridges / Sidewalk / Street Ligthing / Traffic	56,215	59,189	60,883	63,319	65,852
Block Funding Total	97,603	100,467	102,662	101,098	102,831
Major Capital Initiatives					
Ash Borer	2,600	2,600	2,600	2,600	-
City Manager/Human Resources	1,375	200	-	-	-
Provision for ICIP		5,000			
Provision for in-year S.O.G.R/Boards & Agencies		2,214			27,000
National Housing Strategy	-	10,000	10,000	10,000	10,000
Randle Reef	375	375	375	-	-
Transit & ICIP	5,111	18,901	22,535	13,045	4,133
Waste Management	3,468	7,495	5,142	20,221	3,331
West Harbour Development	8,210	7,450	9,020	11,930	7,472
Major Capital Initiatives Total	21,139	54,235	49,672	57,796	51,936
Boards & Agencies					
CityHousing Hamilton	500	500	500	500	500
Hamilton Conservation Authority	2,000	2,000	2,000	2,000	2,000
Library	720	750	3,451	-	-
Police Services	1,485	1,480	250	450	-
Boards & Agencies Total	4,705	4,730	6,201	2,950	2,500
Total Expenditures (Net)	123,447	159,432	158,535	161,844	157,267

10.0 2020 – 2029 TAX SUPPORTED CAPITAL FORECAST

The following 15-year Capital Budget summary of gross spending (Figure 5) and the corresponding forecast table (Table 15) 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 four priority Capital Programs, the City’s share of the ICIP Transit Program, the 2020-2025 West Harbour MP cost increases, the DC Exemption Funding and the Downtown Office Accommodation Strategy.

Figure 5



The City’s declining capital affordability is due to:

- a) Decreased Capital Funding capacity due to major capital project debt commitments (refer to Table 15).
- b) Aging Infrastructure.
- c) An insufficient amount of property tax revenue dedicated to capital (Table 11). The City’s Capital Levy as a percentage of the total Levy should target as a minimum 15% to be more in line with other major municipalities.

Past expenditures on the major projects listed below make up a significant portion of the \$41.2M debt charge component of the 2020 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 15
Major Projects Financed through Debt

(\$ Millions)	2019 & Prior							Total
	Debt only	2020	2021	2022	2023	2024		
Downtown Office	13.8						13.8	
Red Hill Valley Project	27.3						27.3	
City Hall	5.6						5.6	
Waste Management	25.7						25.7	
Lister Block	14.7						14.7	
POA	30.5						30.5	
Police Forensic Building	14.2						14.2	
Pan Am Stadium	5.4						5.4	
10-year Transit Strategy	28.2	18.6	19.1	9.5	0.5	0.7	76.6	
West Harbour	47.9	2.9	-	4.5	7.5	21.2	84.0	
Total	199.6	21.5	19.1	14.0	8.0	21.9	284.1	
Cumulative Debt Charges on above projects (funded from Tax Levy)		47.5	51.6	48.3	44.2	38.0	229.6	

Inflationary pressures of capital expenditures relative to the inflationary capacity of property tax increases are illustrated in Table 16. Over the last four years the trend is that Capital Expenditure inflation is increasing faster than the Property Tax Increase. The result is that more Capital funding is required to achieve the same capital infrastructure metrics (e.g. lane kilometres)

Table 16
Inflationary Pressures on Capital Expenditures

(%)	2011	2012	2013	2014	2015	2016	2017	2018	2019*
Non-Residential Building Construction Price Index	4.07	2.23	0.4	1.38	1.82	2.93	3.09	4.6	3.54
Property Tax Increase	0.8	0.9	1.9	1.5	2.7	1.7	2.1	1.9	2.5

* forecast

Figure 6 and Figure 7 illustrate the City’s four-year Tax Supported Capital Forecast by program and the four-year forecast of the sources of funding.

Figure 6

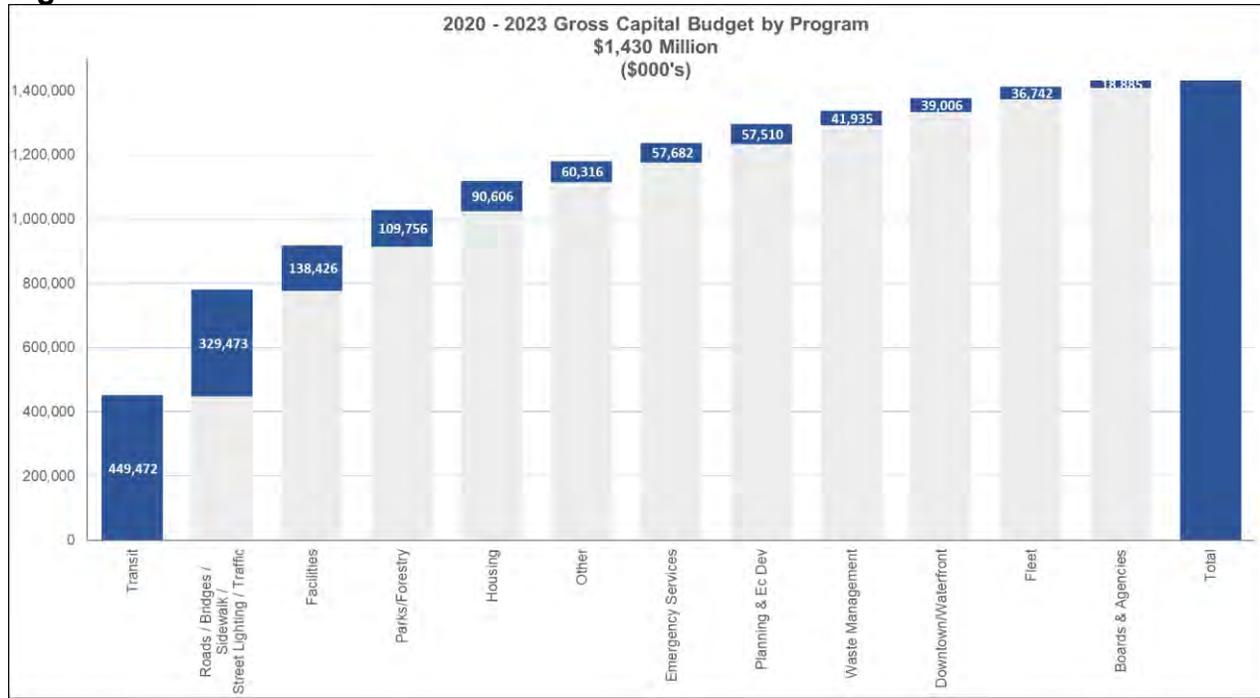
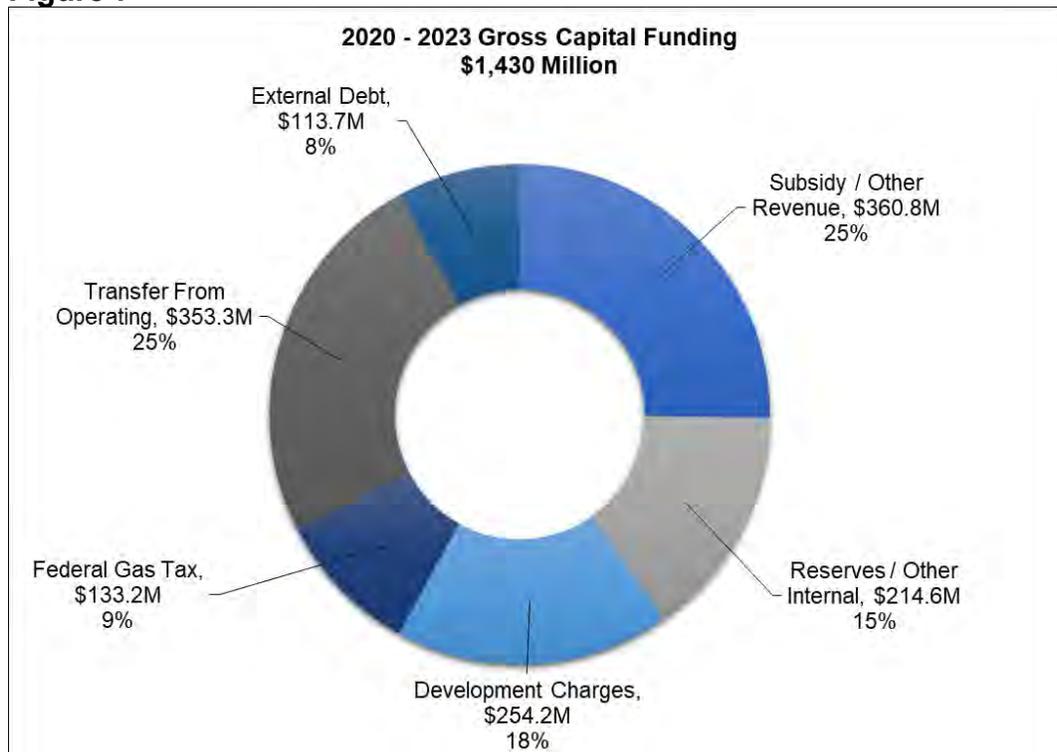


Figure 7



As has been the case in previous years, a rationing problem exists in the City’s capital financing plan. Table 17 illustrates that submitted capital projects for the next four years total approximately \$1.56B while the 2020 - 2023 capital forecast can only support \$1.43B in new capital projects. This leaves the City with an approximate \$131M funding gap. However, over the last three years, City Capital Program staff has, 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 \$3.7B accumulated infrastructure deficit.

**Table 17
 Projected Gross Capital & Funding Sources**

(\$000's)						
SOURCES OF FUNDING	2019	2020	2021	2022	2023	4 YEAR TOTAL
	Restated					
SUBSIDY / OTHER REVENUE	7,522	123,238	153,802	55,551	28,240	360,831
RESERVES / OTHER INTERNAL	80,246	72,488	63,772	42,224	36,106	214,589
DEVELOPMENT CHARGES	32,405	58,616	109,325	33,430	52,796	254,167
FEDERAL GAS TAX	32,576	29,576	34,057	34,057	35,537	133,227
TRANSFER FROM OPERATING	70,538	84,237	81,710	89,799	97,504	353,251
EXTERNAL DEBT	3,833	31,519	32,527	31,695	18,005	113,746
TOTAL CAPITAL FINANCING AVAILABLE	227,120	399,674	475,193	286,755	268,188	1,429,811
TOTAL CAPITAL SUBMITTED	244,765	425,372	543,678	320,707	270,896	1,560,653
(UNAFFORDABLE)/SURPLUS	(17,645)	(25,698)	(68,485)	(33,952)	(2,707)	(130,842)

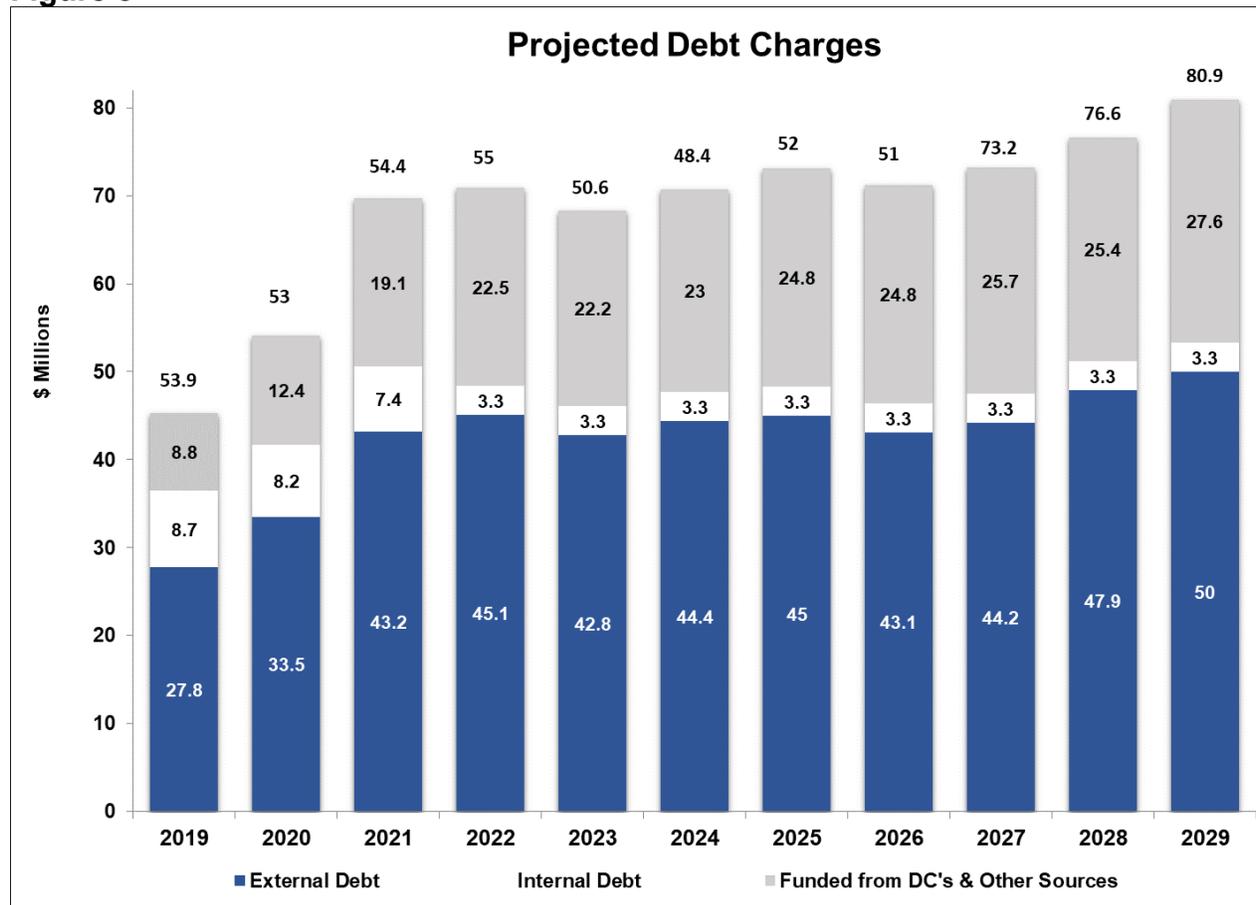
11.0 TAX SUPPORTED DEBT AND DEBT FORECAST

In the proposed 2020-2029 10-year financing plan, tax supported budgeted external-debt levels peak in 2028 at \$788M. Table 18 and the Figures 8 and 9 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 18
Tax Supported External Debt Forecast

(\$Millions)	Balance as of December 31st										
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
2020 - 2029 FINANCING PLAN											
TAX SUPPORTED	200	395	415	432	437	456	464	490	520	548	538
FUNDED FROM DC's	47	131	196	189	208	228	229	234	222	240	246
TOTAL BUDGETED DEBT	247	526	611	621	645	683	693	723	742	788	784
PROJECTED ACTUAL	185	395	458	466	484	512	520	543	556	591	588
2019 - 2028 FINANCING PLAN											
TAX SUPPORTED	333	334	343	346	311	271	266	256	252	247	
FUNDED FROM DC's	84	136	151	163	152	168	186	189	181	206	
TOTAL BUDGETED DEBT	417	470	494	509	463	439	452	446	433	453	

Figure 8



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.

Figure 9

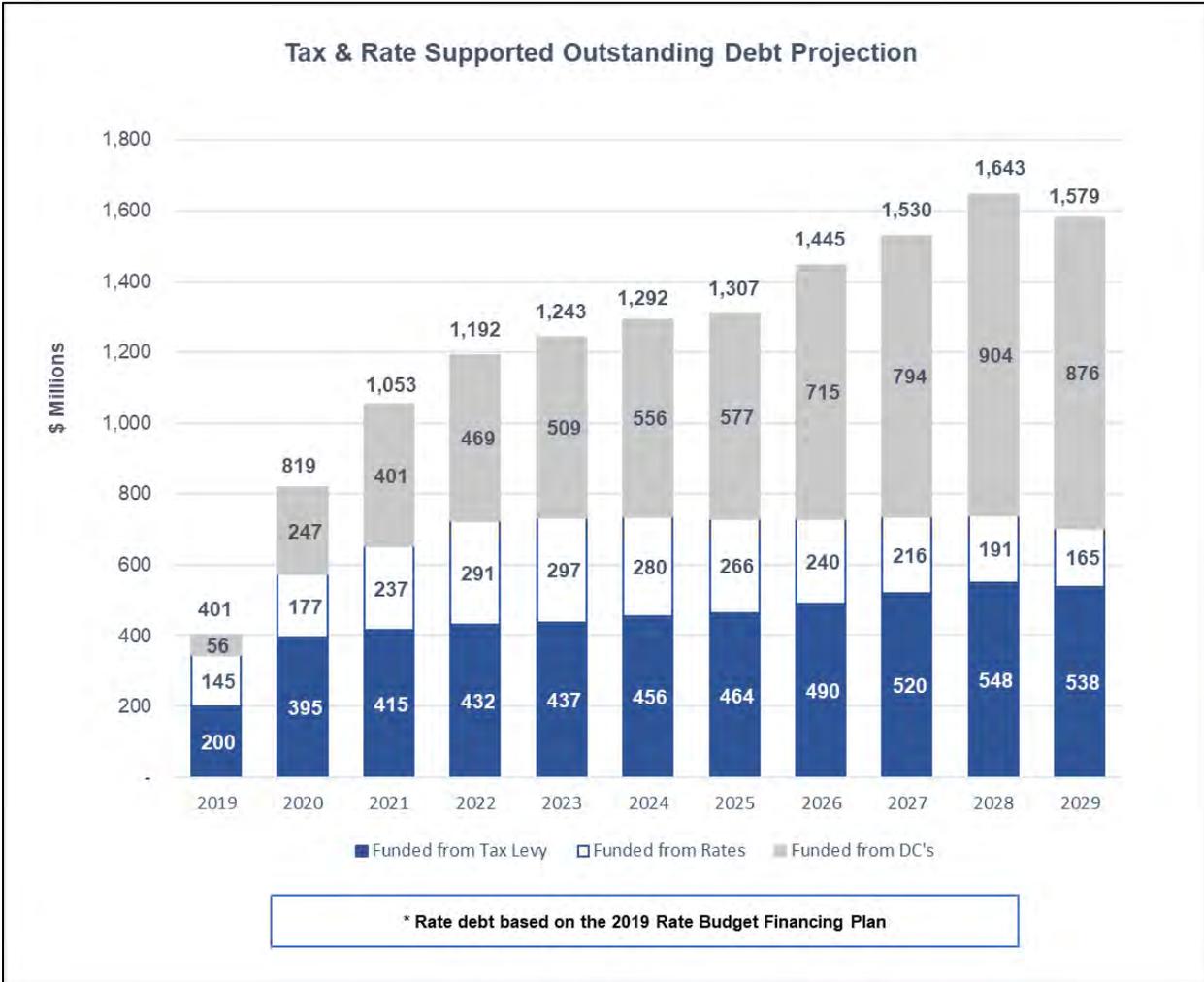


Figure 10 compares the total forecast City debt charges for the 10-year Capital Plan (rate and tax supported) against the Province’s 2019 debt repayment limit. The repayment limit is a calculation which takes into account the City’s ability to pay the debt charges from available revenues. While Figure 10 shows the City’s debt charges rising,

staff will monitor the City’s ability to pay, especially as it pertains to DCs. 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.

Figure 10

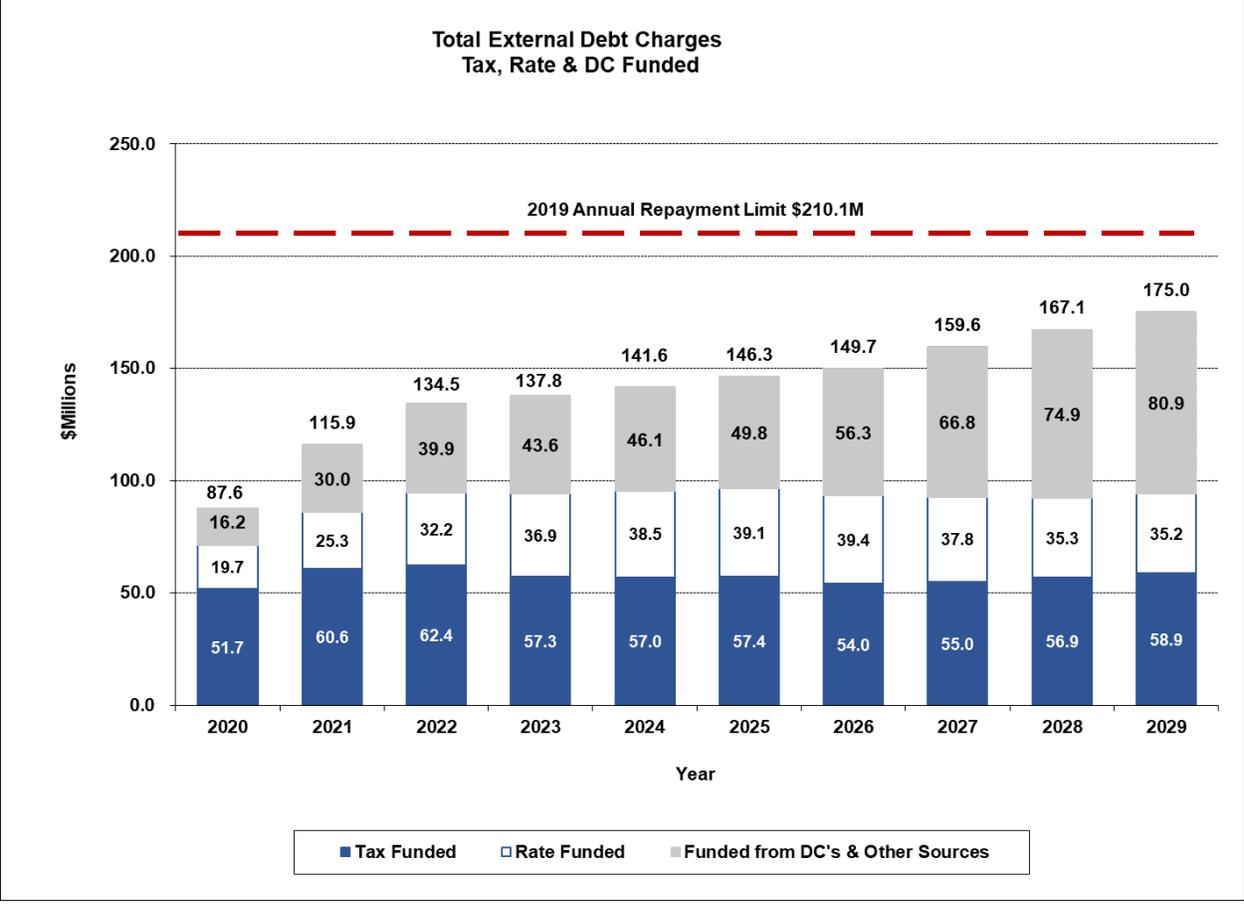


Table 19 provides a comparison of the City of Hamilton’s debt levels to other municipalities. The debt data used in the comparisons is the same data used by the Province to calculate the municipalities Annual Repayment Limit (ARL) i.e. Percent of total debt charges to municipalities own revenues, which 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 \$2.18B versus our current peak forecast of \$1.543B. 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 6.8% for all municipalities included in the comparison. The ARL comparators range from 2.1% (City of Windsor) 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 9% in 2028.

Table 19

Debt Comparators

Based on 2018 FIR's												
	Hamilton	London	Windsor	Ottawa	Brantford	Halton Region	Burlington	Waterloo Region	Waterloo	Niagara Region	St. Catharines	Toronto
Debt per capita (1)	\$ 847	\$ 800	\$ 349	\$ 2,435	\$ 851	\$ 522	\$ 1,064	\$ 1,148	\$ 1,584	\$ 756	\$ 1,721	\$ 2,298
Debt per household (1)	\$ 2,066	\$ 1,778	\$ 787	\$ 5,387	\$ 2,090	\$ 1,404	\$ 2,716	\$ 3,192	\$ 4,553	\$ 1,775	\$ 3,928	\$ 5,558
Credit Rating (2) (3)	AA+	Aaa	AA	AA	NR	AAA	NR	Aaa	NR	AA	NR	AA
Total Own Revenues (Net) (per ARL Calculation)	\$M 1,337.2	904.1	548.9	2,704.6	245.6	702.1	225.4	744.5	155.8	601.7	167.0	9,351.4
Total Debt & LT Liabilities (Incl. Housing)	\$M 484.9	314.4	78.2	2,275.0	87.0	304.7	95.7	690.3	60.8	357.0	128.5	6,793.3
% to own revenues	36.3%	34.8%	14.2%	84.1%	35.4%	43.4%	69.5%	92.7%	39.0%	59.3%	76.9%	72.6%
Total Debt Charges (Incl. Lease & LT Commitment Payments)	\$M 68.1	63.0	11.6	214.4	9.7	38.5	16.9	72.8	7.5	42.6	14.4	792.2
% to own revenues	5.1%	7.0%	2.1%	7.9%	4.0%	5.5%	7.5%	9.8%	4.8%	7.1%	8.6%	8.5%
Annual Repayment Limit (ARL) = 25% of Total Own Revenues above												

(1) Lower Tier Debt per Capita and Debt per household includes Upper Tier (Region) Debt

(2) NR = Lower Tier Municipality that is Not Rated

12.0 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 eight 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 been allocated \$1.68M annually to address ward specific infrastructure and capital needs.

In June 2016, the City of Hamilton began reviewing the existing Ward boundaries to ensure citizens were effectively represented due to population growth. Watson and Associates Economists Ltd. were hired as consultants for the Ward Boundary Review Report which 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 Ward boundaries for the City of Hamilton in December 2017.

With the new Ward boundaries, the alignment of the City of Hamilton former Wards 1 to 8 no longer exists. Each Ward boundary has changed, impacting the allocation and equal distribution of the Area Rating Special Capital Re-Investment. Wards 9, 10 and 14 boundaries now include a portion of the former City of Hamilton (Wards 1 to 8). To address these changes, Report FCS19006 was approved through Council on February 13, 2019 to reallocate the Area Rating Special Capital Re-Investment Reserve funding to the new Wards within the former City of Hamilton based on the percentage of assessment. Each Ward's allocation will be calculated as part of the annual tax levy by-law.

Table 20 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 20
Area Rating Special Capital Re-Investment Reserves

Forecasted closing balances (\$000's)				
Reserve	Ward	2018	2019	2020
108051	Ward 1	491	1,984	3,496
108052	Ward 2	1,618	1,352	2,828
108053	Ward 3	318	1,291	2,517
108054	Ward 4	163	689	984
108055	Ward 5	122	1,351	1,476
108056	Ward 6	680	400	367
108057	Ward 7	1,145	2,756	748
108058	Ward 8	117	2,008	3,415
108059	Ward 9	-	30	50
108070	Ward 10	-	13	25
108064	Ward 14	-	949	2,111

13.0 2020 - 2029 GROWTH / ASSESSMENT CAPITAL

Hamilton’s proportion of residential to non-residential assessment is approximately 88% / 12% and is below the average of similar municipalities (GTA) 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 not only benefits the City in terms of financial sustainability but also on job creation, improved socio-economic conditions and 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 2019 Development Charge (DC) By-law was based on 2006 Provincial forecasts which projected Hamilton’s population to 660,000 by 2031.

On May 2, 2019, the Province released A Place to Grow: the Growth Plan for the Greater Golden Horseshoe (“Growth Plan, 2019”). The Growth Plan, 2019 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

Province is currently reviewing the land budget methodology. A revised methodology will be forthcoming, but the date of release is unknown.

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 2019 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 Hamilton 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 21 and 22 illustrate the development shortfalls in residential and non-residential growth and City forecasts going forward.

Table 21
Development Forecast

Average Single Detached Unit Equivalent Construction, City Versus Provincial Forecast (Places to Grow)				
	2019	2020	2021-2031	Total 2021-2031
City (Staff Budget) ^[1]	1,800	1,800	1,800	19,800
Places To Grow (2006)	2,566	2,566	2,567	28,239
Shortfall	766	766	767	8,439
Average Square Footage Non-Residential Construction City versus Provincial Forecast (Places to Grow)				
	2019	2020	2021-2031	Total 2021-2031
City (Staff Budget) ^[1]	950,000	950,000	950,000	10,450,000
Places To Grow (2006)	2,048,700	2,048,700	2,048,700	22,535,700
Shortfall	1,098,700	1,098,700	1,098,700	12,085,700

[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 22
City of Hamilton Development Activity

	Single-Detached Unit Equivalent	Non-Residential (Sq.Ft.)
2014	1,935	781,180
2015	1,711	564,569
2016	1,739	1,120,725
2017	1,575	1,591,734
2018	1,823	1,386,254
5-year Average	1,757	1,088,892
2019 Projection	1,800	950,000
2020 Projection	1,800	950,000
2021 Projection	1,800	950,000

Note that Development Activity is not net of demolitions which receive credit for DCs, the projection considers only net new development that will generate DC revenues

Table 23 summarizes the Capital Projects included in the 2020 Tax and Rate 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 23
2020 Capital Budget Growth Capital

			DC Funding (\$'000's)
Major 2020 DC Investments			
Rate	Wastewater	Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	26,800
Tax	Transit	Transit Maintenance and Storage Facility (Cash Flow Project)	14,748
Rate	Storm	SWMP - B-10 (Lancaster Subdivision)	9,960
Tax	Roads	Rymal - Fletcher to Upper Centennial	8,712
Tax	Recreation	Confederation Park Sports Park Buildings	5,355
Rate	Wastewater	Rymal - Fletcher to Upper Centennial	5,330
Rate	Wastewater	Woodward WWTP - Clean Harbour (CASH FLOWED)	5,096
Tax	Roads	RR 56 - Rymal to south limit of ROPA 9	4,856
Tax	Fire	Waterdown New Station	4,200
Rate	Storm	SWMP - SM2 (Red Hill Phase 3/4)	4,120
Rate	Storm	Storm Water Management Program	4,000
Rate	Storm	SWMP - W19 (Parkside Hills Phase 2)	3,740
Rate	Water	Garner Road Trunk Watermain - Southcote to Wilson (W-09)	3,390
Tax	Multiple	City Share of Servicing Costs under Subdivision Agreements	3,000
Rate	Wastewater	Woodward WWTP - Biosolids Management Facility	2,590
Rate	Water	Locke St Trunk Watermain - Main to Barton (W-19)	2,200
Total Major DC Investments			108,097
Other 2020 DC Investments			
Rate	Water		3,596
Rate	Wastewater		4,411
Rate	Storm Water		1,375
Tax	Services Related to a Highway		5,153
Tax	Open Space Development		5,673
Tax	Recreation		3,055
Tax	Other		4,333
Total Other DC Investments			27,596
TOTAL TAX DC BUDGET			59,085
TOTAL RATE DC BUDGET			76,608
TOTAL ALL			135,693

The total amount of budgeted Development Charge revenue required for the 2020 Tax Capital Budget is \$59M and for the Rate Capital Budget is \$77M. Annual Development Charge revenues for 2020 are forecasted at approximately \$100M; inclusive of DC exemption funding. The 2019 yearend consolidated DC Reserves balance is forecasted at \$133M as illustrated in Table 24. 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 2020 – 2029 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 anticipated future DC revenues.

For the 2020 capital budget a further consideration was given related to the uncertainties around the DC Act changes through the *More Homes, More Choice Act, 2019* (Bill 108). Bill 108 will remove the discounted services, also referred to as soft services, from the DC Act. The Province has proposed Jan 1, 2021 as the date that municipalities can no longer collect soft-service DCs. A tool called a Community Benefits Charge will be available to municipalities through the Planning Act in lieu of collecting DCs for soft services, however, the methodology for calculating a Community Benefits Charge has not been released by the Province and there is a risk that it may function differently than DCs. To recognize this risk, each soft service's 2020 DC request was specifically reviewed to ensure that (1) where a positive DC reserve balance currently exists for a service, the 2020 DC request does not result in a forecasted deficit at the end of 2020 and (2) where a deficit DC balance currently exists that the 2020 DC request results in a forecasted balance no less than the current balance.

DEVELOPMENT CHARGE RESERVES

The overall DC Reserves balance is forecasted to be \$133M as illustrated in Table 24. 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 2020 Capital Program is planned to be financed through debt.

Table 24
2019 DC Reserve Forecast

(\$000's)	Opening Balance	Collections*	Payments	Ending Balance
Water	26,177	11,551	(7,751)	29,977
Wastewater Plant	64,666	10,718	(5,291)	70,093
Wastewater Linear	4,643	12,367	(42,613)	(25,602)
Stormwater	23,986	23,148	(34,029)	13,104
Roads	13,720	29,325	(18,201)	24,844
Community Services	8,851	14,404	(4,280)	18,975
Planning-Development	(2,823)	1,957	(1,377)	(2,244)
Parks Development	(2,223)	4,311	(2,274)	(186)
Hamilton Emergency Services	1,396	2,553	(1,366)	2,583
Transit	(2,558)	4,376	(49)	1,769
Total	135,835	114,709	(117,232)	133,313

* includes funding for exemptions

Note that this table excludes developer recoveries which are included in the Development Charge totals in Table 26

Figure 11

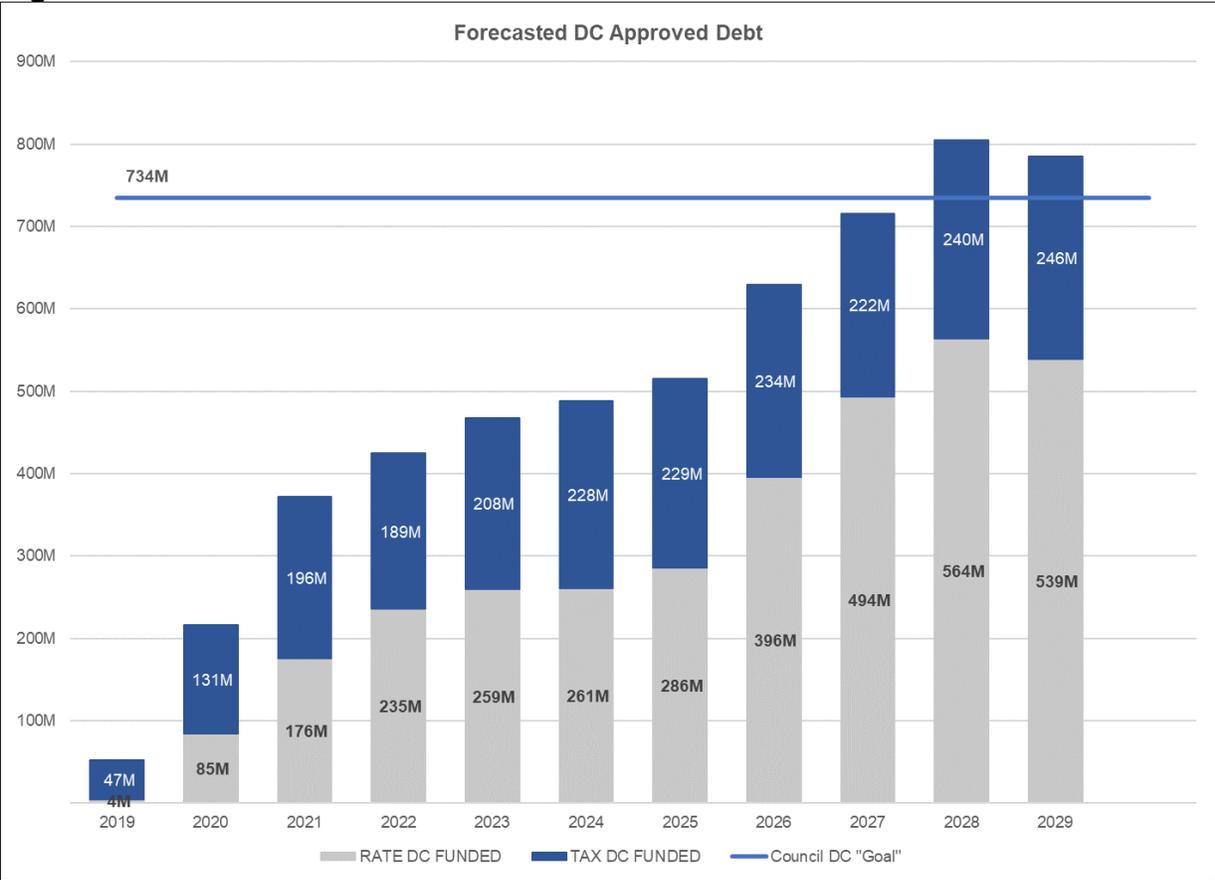


Figure 11 forecasts the City’s DC Debt levels which rise significantly as major roads, wastewater plant expansion, linear water/wastewater major trunks are forecast to be built, financed by debt and paid by rising DC revenues. The debt forecast in the future assumes the current pace of growth and if the pace of growth increases then reliance on debt can decrease. The \$734M DC Debt Limit approved by Council is based on 25% of the total DC eligible costs per the Development Charges Background Study which currently forecasts to 2031 for roads and rate services. Given that the next DC background study will incorporate growth costs to 2041 and consist of fewer eligible services as a result of Bill 108, staff will be examining the validity of this measure and considering alternatives.

14.0 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 \$791M projected as at December 31, 2019. Table 25 illustrates the City's reserve history for the period 2017 – 2018 and specific reserve projections which fund the Tax Supported Capital program for the next five years.

An analysis of Table 25 highlights the following trends:

1. The City's Capital reserves, which fund the City's capital program, decrease from \$329M in 2018 to a projected balance of \$291M in 2019. The Capital reserves balances are projected to increase over the next five years (2019 – 2023) from \$291M to \$382M. The Tax Supported Capital Reserves remain relatively stable over this period. The City's Unallocated Capital Reserve is project to be at \$33M at December 31, 2019, \$7M over its targeted balance of \$26M.
2. The total reserve and reserve funds position for the City of Hamilton decreases from \$946M in 2018 to a forecast of \$856M in 2023. 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 \$98M in 2021 from its 2019 projected balance of \$171M. 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 \$56M in 2019 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 \$7M is \$27.8M below its target balance of \$34.8M. This Reserve is forecasted to decline to \$2.5M by 2021. This is a significant concern as the Reserve lacks a sustainable funding source to address one-time pilots and operating expenditures which this Reserve had previously funded. Staff will have to look at options to address the funding shortfall in this Reserve which may include options such as: Year End Surpluses, Budgeted Provision to Tax Stabilization Reserve, Transfers from other Reserves, changing practice of expenses funded from this Reserve, etc.

Table 25
City of Hamilton Reserves 2017 – 2023

(\$000's)	Actual Balances December 31		Projected Balances December 31				
	2017	2018	2019	2020	2021	2022	2023
<u>CAPITAL RESERVES</u>							
DEVELOPMENT CHARGES	158,996	128,146	126,103	113,289	125,293	143,616	132,199
EQUIPMENT REPLACEMENT	16,009	17,484	14,423	14,298	16,223	13,657	13,562
VEHICLE REPLACEMENT	38,197	38,928	38,939	47,635	46,619	31,917	37,335
CAPITAL LEVY RESERVE-UNALLOCATED	25,828	39,400	33,417	32,455	33,999	35,227	36,305
CAPITAL RESERVES - ALLOCATED	20,860	16,905	27,567	37,012	52,439	67,413	82,831
GAS TAX RESERVES	38,611	44,937	21,585	23,353	25,515	28,089	31,096
PARKLAND RESERVES	35,235	42,763	29,067	35,449	31,984	40,375	48,959
OTHER OBLIGATORY	-	510	11	-	-	-	-
TOTAL CAPITAL RESERVES	333,735	329,073	291,112	303,491	332,074	360,294	382,286
<u>NON- TAX CAPITAL RESERVES</u>							
TAX STABILIZATION	37,508	25,082	7,161	2,598	2,487	2,514	2,541
WORKING FUND RESERVES	92,235	65,474	65,303	69,741	74,281	77,402	82,112
EMPLOYEE BENEFIT / ANCILLARY	97,214	98,996	95,814	96,929	96,149	97,715	99,059
BUILDING PERMIT STABILIZATION RESERVE	19,284	20,700	21,429	20,860	20,277	20,744	21,221
PROGRAM SPECIFIC RESERVES	109,127	102,793	85,567	83,060	84,330	89,672	94,852
RATE RESERVES	260,983	255,317	171,933	123,878	98,005	100,548	102,976
TOTAL NON- TAX CAPITAL RESERVES	616,351	568,362	447,207	397,066	375,529	388,595	402,761
TOTAL RESERVES BEFORE FUTURE FUND	950,086	897,435	738,319	700,558	707,602	748,889	785,047
<u>FUTURE FUND RESERVES</u>							
HAMILTON FUTURE FUND A	39,641	45,406	50,254	54,670	59,400	65,555	70,790
HAMILTON FUTURE FUND B	4,681	3,229	2,696	2,151	1,594	1,024	440
TOTAL FUTURE FUND RESERVES	44,322	48,635	52,950	56,821	60,994	66,578	71,230
TOTAL ALL RESERVES	994,408	946,070	791,269	757,379	768,597	815,467	856,278

*Note: Anomalies due to rounding

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.

15.0 HAMILTON FUTURE FUNDS (HFF)

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 26 for Fund A's five-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 26
Hamilton Future Fund A

(\$000's)	Actual					Projected					
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Opening Asset Value	37,241	43,185	49,404	55,289	60,561	65,830	71,072	76,471	82,032	87,760	93,660
Revenues											
Investment Income	1,086	1,296	1,482	1,659	1,817	1,975	2,132	2,294	2,461	2,633	2,810
Loan Repayment (P&I) - COH	8,634	8,724	8,209	7,424	3,267	3,267	3,267	3,267	3,267	3,267	3,267
Loan Rpymt. (P&I) - Good Shepherd	224	199	194	190	185						
Expenditures											
Poverty Reduction (\$20M)	(4,000)	(4,000)	(4,000)	(4,000)							
Balance (Cash & Investments)	43,185	49,404	55,289	60,561	65,830	71,072	76,471	82,032	87,760	93,660	99,736
Outstanding Loans Receivable											
COH - to Fund Capital	39,253	33,962	26,830	20,147	15,937	12,648	9,859	7,651	5,738	4,043	2,567
Good Shepherd	720	540	360	180	-	-	-	-	-	-	-
Total Asset Value	83,158	83,906	82,479	80,888	81,767	83,720	86,330	89,683	93,498	97,703	102,303

(1) To extend payback term on City loans from 2031 to 2036 existing, approved by Council on Sep. 27, 2017. Loan repayment extension to accommodate funding for the Poverty Reduction Plan in the amount of \$20M.

(2) 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

16.0 CONCLUSION

The proposed 2020 Tax Supported Capital Budget and 2021-2029 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, housing and culture and recreation). 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 increases the Capital Levy by approximately 4% per year and would add \$267M 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 Transit stream of the Investing in Canada Infrastructure Program (ICIP). This would include incremental increases of 0.21% in 2020, 0.22% in 2021, 0.11% in 2022 and 0.01% in 2023.
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 0.03% in 2020, 0.05% in 2022, 0.08% in 2023.

4. An additional property tax increase to cover the debt charges associated with the Downtown Office Accommodation Strategy of 0.13% in 2020.
5. An additional property tax increase to cover the debt charges associated with the Development Charge Exemption Funding of 0.23% in 2020.
6. Increase roads discretionary funding to a construction cost inflationary net block-funding level with a Council-endorsed emphasis on the rehabilitation of local roads.
7. Prioritize funding for assessment growth opportunities such as the West Harbour and Waterfront and Airport Employment Growth District.
8. Investment in strategic capital areas, including Transit, Affordable Housing, Waste Management, Park Development, and others.
9. 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 \$788M in 2028. Debt sustainability can further 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 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.

**2020
Capital
Financing
For Projects
Included in
Financing
Plan**

City of Hamilton
Tax Capital Budget
Approved 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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															
Human Resources															
City Wide	2052059001	Talent Management System Enhancements	200	-	-	-	-	-	-	-	200	200	-	-	-
Human Resources Total:			200	-	-	-	-	-	-	-	200	200	-	-	-
City Manager Total:			200	-	-	-	-	-	-	-	200	200	-	-	-
Corporate Services															
Finance															
City Wide	2051580510	DC Exemptions Recovery	8,500	-	-	-	-	-	-	-	8,500	3,400	-	-	5,100
City Wide	3382055001	Community Benefits Strategy & By-law	225	-	-	203	-	-	-	-	22	22	-	-	-
City Wide	3382055002	Provision for ICIP	5,000	-	-	-	-	-	-	-	5,000	5,000	-	-	-
City Wide	3382055003	Provision for S.O.G.R/Boards & Agencies	414	-	-	-	-	-	-	-	414	414	-	-	-
City Wide	3381557502	Budget Operating System Upgrade	180	-	-	-	-	-	-	-	180	180	-	-	-
Finance Total:			14,319	-	-	203	-	-	-	-	14,116	9,016	-	-	5,100
Information Technology (IT)															
City Wide	3501757702	Network Infrastructure Sustainability and Continuous Improvement	456	-	-	-	-	-	-	-	456	456	-	-	-
City Wide	3501857801	IT Strategy and Enterprise Architecture	25	-	-	-	-	-	-	-	25	25	-	-	-
City Wide	3501957909	IT Strategy - Strategic Theme Integrated & Connected	25	-	-	-	-	-	-	-	25	25	-	-	-
City Wide	3501957903	IT Strategy - Strategic Theme Mobility	50	-	-	-	-	-	-	-	50	50	-	-	-
City Wide	3501957905	IT Strategy - Strategic Theme Enabling Our People	227	-	-	-	-	-	-	-	227	227	-	-	-
City Wide	3501957906	IT Strategy - Strategic Theme IT Optimization	100	-	-	-	-	-	-	-	100	100	-	-	-
12, 15	3502057204	Corporate Trunked Radio Cell Tower Sites	100	-	-	-	100	-	-	-	-	-	-	-	-
City Wide	3502057203	Payment Card Systems Review	100	-	-	-	-	-	-	-	100	100	-	-	-
Information Technology (IT) Total:			1,083	-	-	-	100	-	-	-	983	983	-	-	-
Corporate Services Total:			15,402	-	-	203	100	-	-	-	15,099	9,999	-	-	5,100
Council Initiatives															
Area Rating Special Capital Reinvestment															
14	3302009014	Ward 14 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
1	3302009100	Ward 1 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
2	3302009200	Ward 2 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
3	3302009300	Ward 3 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
4	3302009400	Ward 4 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
5	3302009500	Ward 5 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
6	3302009600	Ward 6 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
7	3302009700	Ward 7 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
8	3302009800	Ward 8 Capital Reinvestment	100	-	-	-	100	-	-	-	-	-	-	-	-
Area Rating Special Capital Reinvestment Total:			900	-	-	-	900	-	-	-	-	-	-	-	-
Council Strategic Projects															
City Wide	2110953900	Randle Reef Rehabilitation Project	375	-	-	-	-	-	-	-	375	375	-	-	-
City Wide	2112056401	Parkland Acquisition	2,500	-	-	-	-	-	-	-	2,500	2,500	-	-	-
Council Strategic Projects Total:			2,875	-	-	-	-	-	-	-	2,875	2,875	-	-	-
Council Initiatives Total:			3,775	-	-	-	900	-	-	-	2,875	2,875	-	-	-

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City Ward	Project Number	Project Description	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
Healthy and Safe Communities															
Hamilton Fire Department															
City Wide	7402051100	Annual Equipment Replacement	592	-	-	-	592	-	-	-	-	-	-	-	
15	7401841801	Waterdown New Station	4,200	-	-	4,200	-	-	-	-	-	-	-	-	
City Wide	7402051101	Annual Vehicle Replacement	4,305	-	-	-	4,305	-	-	-	-	-	-	-	
City Wide	7402051102	Hazmat Foam Response Apparatus	550	-	-	-	-	-	-	-	550	550	-	-	
City Wide	7402051103	Nature Trail Response Apparatus	150	-	-	-	-	-	-	-	150	150	-	-	
Hamilton Fire Department Total:			9,797	-	-	4,200	4,897	-	-	-	700	700	-	-	
Hamilton Paramedic Service															
6	7642041102	Station 32 Renovation	300	-	-	-	-	-	-	-	300	300	-	-	
City Wide	7642051101	Annual Equipment Replacement	381	-	-	-	381	-	-	-	-	-	-	-	
City Wide	7642051100	Annual Vehicle Replacement	1,176	-	-	-	1,176	-	-	-	-	-	-	-	
Hamilton Paramedic Service Total:			1,857	-	-	-	1,557	-	-	-	300	300	-	-	
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	6732041200	National Housing Strategy_CHH	17,000	7,000	-	-	-	-	-	-	10,000	-	10,000	-	
City Wide	6732041302	Social Housing Capital Repairs and Regeneration	500	-	-	-	-	-	-	-	500	500	-	-	
Housing Services Total:			24,500	7,000	-	-	-	-	-	-	17,500	500	10,000	7,000	
Long Term Care Homes															
City Wide	6301841001	ML - Roof Replacement	811	-	-	-	-	-	-	-	811	811	-	-	
City Wide	6301851803	ML & WL - Circulation Pumps (Cooling and Heating)	10	-	-	-	10	-	-	-	-	-	-	-	
City Wide	6301855801	ML - Building Components Study	60	-	-	-	60	-	-	-	-	-	-	-	
City Wide	6301941002	WL - Dish Room/Physio & Salon Exhaust & Supply	193	-	-	-	193	-	-	-	-	-	-	-	
City Wide	6301941003	WL - Radiant Heating Panel/Thermostat Controls	132	-	-	-	132	-	-	-	-	-	-	-	
City Wide	6301941006	WL - Served Retrofit (Cabinet and Counter Replacement)	198	-	-	-	198	-	-	-	-	-	-	-	
City Wide	6302051002	ML & WL - Annual Resident Care Equipment Replacement	60	-	-	-	60	-	-	-	-	-	-	-	
City Wide	6302051801	ML & WL - Security Systems	200	-	-	-	99	-	-	-	101	101	-	-	
Long Term Care Homes Total:			1,664	-	-	-	752	-	-	-	912	912	-	-	
Healthy and Safe Communities Total:			37,818	7,000	-	4,200	7,206	-	-	-	19,412	2,412	10,000	7,000	
Outside Boards & Agencies															
CityHousing Hamilton															
City Wide	6182041602	City Housing Contribution	500	-	-	-	-	-	-	-	500	500	-	-	
CityHousing Hamilton Total:			500	-	-	-	-	-	-	-	500	500	-	-	
H.C.A. & Westfield Heritage Village															
City Wide	3802056100	Hamilton Conservation Authority Critical and Safety Projects	1,850	-	-	-	-	-	-	-	1,850	-	-	1,850	
City Wide	3802058902	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	2862051700	HBRU Renovations & Equipment Purchases	70	-	-	-	70	-	-	-	-	-	-	-	
Hamilton Beach Rescue (HBRU) Total:			70	-	-	-	70	-	-	-	-	-	-	-	

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
Hamilton Public Library																
15	7501841700	Carlisle Library Replacement	1,500	-	-	-	750	-	-	-	750	750	-	-	-	
4	7502041200	Parkdale Landing	250	-	-	225	25	-	-	-	-	-	-	-	-	
Hamilton Public Library Total:			1,750	-	-	225	775	-	-	-	750	750	-	-	-	
Police Services																
2, 5, 7	3761951812	Hamilton Police Stations- Roof Repairs and HVAC	400	-	-	-	-	-	-	-	400	400	-	-	-	
1, 2, 3	3762041001	Basement Superstructure & Brick Repairs (Central)	200	-	-	-	-	-	-	-	200	200	-	-	-	
City Wide	3762051007	Police Personal Issued Portable Radio Replacement	480	-	-	-	-	-	-	-	480	480	-	-	-	
City Wide	3761957805	Police Computer Aided Dispatch (CAD) Upgrade	200	-	-	-	-	-	-	-	200	200	-	-	-	
Police Services Total:			1,280	-	-	-	-	-	-	-	1,280	1,280	-	-	-	
Outside Boards & Agencies Total:			5,600	-	-	225	845	-	-	-	4,530	2,530	-	-	2,000	
Planning & Economic Development																
Economic Development																
City Wide	3621750301	Employment Land Banking (Interest)	600	-	-	-	600	-	-	-	-	-	-	-	-	
Economic Development Total:			600	-	-	-	600	-	-	-	-	-	-	-	-	
Growth Management																
City Wide	4142046100	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	4501957900	Handheld Ticketing Device-System Integration	80	-	-	-	-	-	-	-	80	80	-	-	-	
City Wide	4501951900	Vehicle Purchases - Licensing	30	-	30	-	-	-	-	-	-	-	-	-	-	
Licensing & By-Law Services Total:			110	-	30	-	-	-	-	-	80	80	-	-	-	
Parking Services																
City Wide	4902057200	License Plate Reading Technology for Parking Enforcement	300	-	-	-	300	-	-	-	-	-	-	-	-	
City Wide	4502055200	School Crossing Review	100	-	-	-	100	-	-	-	-	-	-	-	-	
City Wide	4901755700	Parking By-Law Review	100	-	-	-	100	-	-	-	-	-	-	-	-	
Parking Services Total:			500	-	-	-	500	-	-	-	-	-	-	-	-	
Planning Services																
City Wide	8141655600	City Wide Employment Survey	95	-	-	86	-	-	-	-	9	9	-	-	-	
City Wide	8101655600	Comprehensive Zoning By-Law	825	-	-	371	-	-	-	-	454	454	-	-	-	
Planning Services Total:			920	-	-	457	-	-	-	-	463	463	-	-	-	

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
Tourism & Culture																
City Wide	7202058201	Monument Restoration	65	-	-	-	-	-	-	-	65	65	-	-	-	
9	7202041210	Gage House Window Restoration	100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	7202058202	Collections Management	75	-	-	-	-	-	-	-	75	75	-	-	-	
1	7202041200	Dundurn Interior Restoration	100	-	-	-	-	-	-	-	100	100	-	-	-	
12	7202041201	Griffin House Stabilization	107	-	-	-	-	-	-	-	107	107	-	-	-	
4	7202041202	Steam Museum Keefer Steps Restoration	200	-	-	-	-	-	-	-	200	200	-	-	-	
2	7202041203	Whitehern Museum Masonry Repairs	100	-	-	-	-	-	-	-	100	100	-	-	-	
3	7202041204	Children's Museum Expansion Phase 2	700	-	-	-	-	-	-	-	700	700	-	-	-	
1	7202041208	Dundurn Exterior Pathways	75	-	-	-	-	-	-	-	75	75	-	-	-	
1	7202041209	Dundurn Kitchen Renovation	80	-	-	-	-	-	-	-	80	80	-	-	-	
City Wide	7202058200	Heritage Resource Strategies and Initiatives	100	-	-	-	-	-	-	-	100	100	-	-	-	
Tourism & Culture Total:			1,702	-	-	-	-	-	-	-	1,702	1,702	-	-	-	
Urban Renewal																
City Wide	8201703706	Community Downtowns and BIAs	224	-	-	-	-	-	-	-	224	224	-	-	-	
City Wide	3621708002	Brownfield Development	220	-	-	-	-	-	-	-	220	220	-	-	-	
City Wide	8201641800	Heritage Property Improvement Grants	400	-	-	-	-	-	-	-	400	400	-	-	-	
City Wide	8201703100	Office Tenancy Assistance Program	50	-	-	-	-	-	-	-	50	50	-	-	-	
2, 3, 4	8201703700	Barton/Kenilworth Commercial Corridor Building Grant Program	305	-	-	-	-	-	-	-	305	305	-	-	-	
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	420	-	-	-	-	-	-	-	420	420	-	-	-	
1, 2, 3	8201703900	Downtown West Harborfront Remediation Loan Program	25	-	-	-	-	-	-	-	25	25	-	-	-	
City Wide	8202003000	Hamilton Community Heritage Fund Loan Program	60	-	-	-	-	-	-	-	60	60	-	-	-	
Urban Renewal Total:			2,210	-	-	-	-	-	-	-	2,210	2,210	-	-	-	
Planning & Economic Development Total:			9,042	-	30	3,457	1,100	-	-	-	4,455	4,455	-	-	-	
Public Works Tax Funded																
Corporate Facilities																
City Wide	3541849003	Backflow Prevention for Various Facilities	275	-	-	-	-	-	-	-	275	275	-	-	-	
2	3542041002	City Hall Garage Roof Slab Structural Rehabilitation	140	-	-	-	-	-	-	-	140	140	-	-	-	
2	3542041005	City Hall 5th & 6th Floor Renovations	295	-	-	-	205	-	90	-	-	-	-	-	-	
10	3542041910	Stoney Creek City Hall -RCMP Lease Capital Replacement	210	-	-	-	210	-	-	-	-	-	-	-	-	
City Wide	3542041009	Program - Compliance Remediation	450	-	-	-	-	-	-	-	450	450	-	-	-	
City Wide	3542041409	Program - Facilities Code & Legislative Compliance	400	-	-	-	-	-	-	-	400	400	-	-	-	
City Wide	3542041412	Program - Roof Management	1,600	-	-	-	-	-	-	-	1,600	1,600	-	-	-	
City Wide	3542041532	Program - Facility Capital Maintenance	550	-	-	-	-	-	-	-	550	550	-	-	-	
City Wide	3542051001	Program - Mechanical Infrastructure Life-cycle renewal	200	-	-	-	-	-	-	-	200	200	-	-	-	
City Wide	3542051900	Generator Compliance Testing and Upgrades	470	-	-	-	-	-	-	-	470	470	-	-	-	
City Wide	3542055100	Corporate Facilities Audit Program	310	-	-	-	-	-	-	-	310	310	-	-	-	
City Wide	3542041013	Program - Firestations Facility Upgrade	350	-	-	-	-	-	-	-	350	350	-	-	-	
Corporate Facilities Total:			5,250	-	-	-	415	-	90	-	4,745	4,745	-	-	-	

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends		
Energy Initiatives																	
City Wide	7902049001	2020 Lighting Upgrade to LEDs at Various Recreation Facilities	633	-	-	-	633	-	-	-	-	-	-	-	-	-	-
City Wide	7902049002	2020 Hamilton City Hall Lighting Upgrade to LEDs	550	-	-	-	550	-	-	-	-	-	-	-	-	-	-
City Wide	7902049003	2020 Libraries LED Upgrade Project	185	-	-	-	185	-	-	-	-	-	-	-	-	-	-
8	7902049000	2020 Westmount Recreation Centre - DHW Solar Thermal	158	-	-	-	158	-	-	-	-	-	-	-	-	-	-
Energy Initiatives Total:			1,526	-	-	-	1,526	-	-	-	-	-	-	-	-	-	-
Entertainment Facilities																	
2	3721841801	Program FirstOntario Concert Hall Replacements and Renovations	100	-	100	-	-	-	-	-	-	-	-	-	-	-	-
2	3722041805	Program HCC, FOCH & FOC Lifecycle Renewal	700	-	-	-	-	-	-	-	700	700	-	-	-	-	-
2	3722051000	Commonwealth Square Timber Railing Replacement	100	-	-	-	-	-	-	-	100	100	-	-	-	-	-
Entertainment Facilities Total:			900	-	100	-	-	-	-	-	800	800	-	-	-	-	-
Fleet Services																	
City Wide	4942051001	Shop Equipment Replacement	168	-	-	-	168	-	-	-	-	-	-	-	-	-	-
City Wide	4942051004	Street Sweeper Purchase	750	-	-	-	750	-	-	-	-	-	-	-	-	-	-
City Wide	4942051100	Fleet Vehicle&Equipment Replace Program	9,230	-	-	-	9,230	-	-	-	-	-	-	-	-	-	-
Fleet Services Total:			10,148	-	-	-	10,148	-	-	-	-	-	-	-	-	-	-
Forestry & Horticulture																	
City Wide	4452051900	Horticulture Infrastructure Replacement	60	-	-	-	-	-	-	-	60	60	-	-	-	-	-
City Wide	4452051700	Small Equipment Replacement (Reserve) Program	75	-	-	-	75	-	-	-	-	-	-	-	-	-	-
City Wide	4451153001	Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)	2,600	-	-	-	-	-	-	-	2,600	2,600	-	-	-	-	-
City Wide	4452053444	Tree Planting Program	1,345	-	-	-	-	-	60	-	1,285	1,285	-	-	-	-	-
Forestry & Horticulture Total:			4,080	-	-	-	75	-	60	-	3,945	3,945	-	-	-	-	-
O & M - Parks & Cemeteries																	
13	4402049004	Parkside Cemetery Development	428	-	-	-	-	-	358	-	70	70	-	-	-	-	-
City Wide	4402049007	Cemetery Columbarium	120	-	-	-	120	-	-	-	-	-	-	-	-	-	-
City Wide	4402053001	Cemetery Document Digitization	80	-	-	-	-	-	-	-	80	80	-	-	-	-	-
City Wide	4402049107	Park Fencing Program	148	-	-	-	-	-	-	-	148	148	-	-	-	-	-
City Wide	4402049104	Pedestrian/Security Lighting Replacement Program	80	-	-	-	-	-	-	-	80	80	-	-	-	-	-
City Wide	4402052600	Playground Lifecycle Replacement Program	810	-	60	-	550	-	-	-	200	200	-	-	-	-	-
City Wide	4402056001	Leash Free Dog Park Program	80	-	-	-	80	-	-	-	-	-	-	-	-	-	-
6	4402049900	Mohawk Sports Park – Bleachers & Shade Structure	150	-	-	-	150	-	-	-	-	-	-	-	-	-	-
City Wide	4402051001	Equipment Upgrades	50	-	-	-	-	-	-	-	50	50	-	-	-	-	-
City Wide	4402051601	Equipment Acquisition (DC) Program	247	-	-	247	-	-	-	-	-	-	-	-	-	-	-
5	4402051903	Confederation Beach Park - Capital Maintenance Program	175	-	-	-	175	-	-	-	-	-	-	-	-	-	-
City Wide	4402049101	Park Pathway Resurfacing Program	260	-	-	-	-	-	-	-	260	260	-	-	-	-	-
City Wide	4402052100	CSA Safety Material Replacement Program	450	-	-	-	300	-	-	-	150	150	-	-	-	-	-
City Wide	4402011601	Cemetery Roads Rehabilitation Program	100	-	-	-	-	-	-	-	100	100	-	-	-	-	-
O & M - Parks & Cemeteries Total:			3,178	-	60	247	1,375	-	358	-	1,138	1,138	-	-	-	-	-

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
Open Space Development																
	6	4402056003	Mohawk Sports Park Masterplan	90	-	-	-	-	-	-	90	90	-	-	-	
	15	4400756755	Joe Sams Leisure Park	180	-	-	-	-	-	-	180	180	-	-	-	
	4	4401756706	Roxborough Park Redevelopment	1,000	-	1,000	-	-	-	-	-	-	-	-	-	
	9	4401856805	Cline Park Redevelopment	724	-	-	-	-	-	-	724	724	-	-	-	
	13	4401856812	Spencer Creek Estates (13)	300	-	-	270	-	-	-	30	30	-	-	-	
	12	4401956912	Meadowlands Community Park	476	-	-	213	-	-	-	263	263	-	-	-	
City Wide	4402055600	Parks Testing and Reporting	64	-	-	-	-	-	-	-	64	64	-	-	-	
	15	4402056002	Skinner Park Waterdown South Neighbourhood Park 1	624	-	-	526	-	-	40	58	58	-	-	-	
	13	4402056004	Morton Park Redevelopment	100	-	-	-	-	-	-	100	100	-	-	-	
	4	4402056005	Kenilworth Parking Lot	250	-	-	-	250	-	-	-	-	-	-	-	
	8	4402056008	Southam Park Master Plan	90	-	-	-	-	-	-	90	90	-	-	-	
	9	4402056010	Highland Road Park (Proposed) - Central Park Development	776	-	-	698	-	-	-	78	78	-	-	-	
	13	4402056011	Valley Community Centre Park	80	-	-	-	-	-	-	80	80	-	-	-	
	9	4402056024	Summit Phase 10 (Parkette)	374	-	-	340	-	-	-	34	34	-	-	-	
	10	4402056820	Waterford Park	1,200	-	500	505	-	-	-	195	195	-	-	-	
	2	4402056918	Beasley Park Rehabilitation Phase 2 - Kelly Street Pedestrianization	550	-	-	-	-	-	319	231	231	-	-	-	
City Wide	4401858800	Skatepark Facility - Recreation study implementation	1,763	-	-	1,587	-	-	176	-	-	-	-	-	-	
	4	4241409341	W4 Pipeline Trail	608	-	-	547	-	-	61	-	-	-	-	-	
City Wide	4401556504	Trails Master Plan Programming	217	-	-	184	-	-	-	-	33	33	-	-	-	
6, 7, 8, 9	4401756703	Mountain Brow Path	650	-	-	552	-	-	-	-	98	98	-	-	-	
	14	4401956934	Chedoke Falls Viewing Implementation	481	-	-	216	-	-	176	89	89	-	-	-	
	4	4402056015	McQuesten Urban Fitness Trail	200	-	-	-	200	-	-	-	-	-	-	-	
City Wide	4401856601	Legislated Monitoring	50	-	-	-	-	-	-	-	50	50	-	-	-	
City Wide	4402055001	Parkland Acquisition Strategy	50	-	-	34	-	-	-	-	16	16	-	-	-	
Open Space Development Total:			10,897	-	1,500	5,672	450	-	772	-	2,503	2,503	-	-	-	
Recreation Facilities																
	2	7101841800	Parks North Yard at Bayfront Park	1,000	-	-	450	-	-	240	310	310	-	-	-	
	5	7102054002	Confederation Park Sports Park Buildings	5,950	-	-	5,355	-	-	-	595	595	-	-	-	
	3	7101254201	Scott Park - Bernie Morelli Recreation Centre (BMRC-NSC)	850	-	-	850	-	-	-	-	-	-	-	-	
	9	7101754706	Valley Park Community Centre Fit-up	600	-	-	405	-	-	-	195	195	-	-	-	
City Wide	7102051001	Program - Mechanical Infrastructure Life-cycle renewal	200	-	-	-	-	-	-	-	200	200	-	-	-	
City Wide	7102054702	Program - Facility Capital Maintenance	130	-	-	-	-	-	-	-	130	130	-	-	-	
City Wide	3542055101	Recreation Facilities Audit Program	130	-	-	-	-	-	-	-	130	130	-	-	-	
City Wide	7102041701	Program - Community Halls Retrofits	250	-	-	-	-	-	-	-	250	250	-	-	-	
City Wide	7102054508	Public Use Feasibility Needs & Study	50	-	-	-	-	-	-	-	50	50	-	-	-	
	4	7101558501	Parkdale Outdoor Pool Redevelopment & Expansion	400	-	-	-	-	-	-	400	400	-	-	-	
	1	7102058001	Victoria Park Outdoor Pool - Redevelopment	300	-	-	-	-	-	-	300	300	-	-	-	
	5	7101954903	Riverdale Community Hub	2,000	-	-	1,800	-	-	-	200	200	-	-	-	
City Wide	7102041706	Program - Recreation Centre Retrofits	200	-	-	-	-	-	-	-	200	200	-	-	-	
	1	7102054003	Alexander Park Community Hub Feasibility	330	-	-	-	-	-	330	-	-	-	-	-	
City Wide	7102054216	Program - Roof Management	1,735	-	-	-	-	-	-	-	1,735	1,735	-	-	-	
Recreation Facilities Total:			14,125	-	-	8,860	-	-	570	-	4,695	4,695	-	-	-	

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends
Roads															
<i>Asset Preservation</i>															
	4	4031919115	Delena / Beland / Dunsmore	90	-	-	-	-	-	-	90	-	-	90	-
	4	4031919118	Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)	1,800	-	-	-	-	700	-	1,100	-	-	1,100	-
	2	4032011029	Asset Preservation - Central Neighbourhood	560	-	-	-	-	-	-	560	-	-	560	-
	4	4032011030	Asset Preservation - Homeside Neighbourhood (South)	1,230	-	-	-	-	-	-	1,230	-	-	1,230	-
	7	4242009701	A/R - Eastmount Neighbourhood	1,920	-	-	1,920	-	-	-	-	-	-	-	-
<i>Asset Preservation Total:</i>				5,600	-	-	1,920	-	700	-	2,980	-	-	2,980	-
<i>Bridges & Structures</i>															
	13	4031618090	Bridge 090 - McMurray St, 100m s/o of Hatt St	450	-	-	-	-	-	-	450	-	-	450	-
	2, 7	4031817644	Claremont Access - Bin Wall Removal Phase 1	4,500	-	-	-	-	-	-	4,500	-	-	4,500	-
	13	4031818089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	60	-	-	-	-	-	-	60	60	-	-	-
	9	4031818150	Bridge 150 - Tapleystown Rd, 550m n/o Green Mountain Rd E	140	-	-	-	-	-	-	140	-	-	140	-
	13	4031818296	Bridge 296 - Governors Rd, 45m e/o Ogilvie St	160	-	-	-	-	-	-	160	160	-	-	-
	9	4031818366	Bridge 366 - Mud St W, 320m e/o Paramount Dr	80	-	-	-	-	-	-	80	-	-	80	-
	5	4031818407	Bridge 407 - Queenston Rd, 320m e/o Lake Ave	210	-	-	-	-	-	-	210	-	-	210	-
	11	4031818444	Bridge 444 - Guyatt Rd - 200m w.o. Hendershot Rd	110	-	-	-	-	-	-	110	-	-	110	-
	3	4031917943	Sherman Access East Retaining Wall Replacement	150	-	-	-	-	-	-	150	150	-	-	-
	5	4031918048	Bridge 048 - Jones St, 110m w/o King St E	150	-	-	-	-	-	-	150	150	-	-	-
	13	4031918342	Bridge 342 - Westover Rd, 245m n/o Highway No. 8	150	-	-	-	-	-	-	150	150	-	-	-
	5, 10	4031918975	MTO/City Cost Shared Service Rd Culverts	3,000	-	-	-	-	-	-	3,000	3,000	-	-	-
	12	4032018019	Bridge 019 - Norman Rd, 555m e/o Sager Rd	30	-	-	-	-	-	-	30	30	-	-	-
City Wide		4032018216	Bridge and Culvert Maintenance - T.O.M.	150	-	-	-	-	-	-	150	150	-	-	-
City Wide		4032018217	Bridge and Culvert Major Maintenance - Engineering Services	1,850	-	-	-	-	300	-	1,550	1,550	-	-	-
	13	4032018248	Bridge 248 - King St W, 145m w/o Bond to Woodleys Lane	450	-	-	-	-	-	-	450	450	-	-	-
	12	4032018372	Bridge 372 - Wilson St E, 1700m e/o Rousseaux St (south side original culvert)	30	-	-	-	-	-	-	30	30	-	-	-
	11	4032018414	Bridge 414 - Miles Road, 130m s/o Dickenson Rd E	180	-	-	-	-	-	-	180	180	-	-	-
	5	4032018452	Bridge 452 - Centennial Pkwy, 990m n/o Ridge	320	-	-	-	100	-	-	220	-	-	220	-
City Wide		4042010004	Escarpment Slope & Appurtenance Stabilization Program	1,000	-	-	-	-	-	-	1,000	236	-	764	-
City Wide		4042010417	Retaining Wall Rehabilitation Program	850	-	-	-	-	-	-	850	850	-	-	-
<i>Bridges & Structures Total:</i>				14,020	-	-	-	100	300	-	13,620	7,146	-	6,474	-
<i>Buildings</i>															
	13	4032041042	District West - Dundas Changeroom & Meeting Room Improvements	100	-	-	-	-	-	-	100	100	-	-	-
<i>Buildings Total:</i>				100	-	-	-	-	-	-	100	100	-	-	-
<i>Computer Hardware</i>															
City Wide		4042057014	Drive Cam	250	-	-	-	-	-	-	250	250	-	-	-
<i>Computer Hardware Total:</i>				250	-	-	-	-	-	-	250	250	-	-	-
<i>Computer Technology</i>															
City Wide		4031957944	PW Asset Management (PW-AM) System Implementation	1,000	-	-	-	-	-	-	1,000	1,000	-	-	-
<i>Computer Technology Total:</i>				1,000	-	-	-	-	-	-	1,000	1,000	-	-	-

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
<u>Council Priority</u>																
	1	4031911601	Council Priority - Ward 1 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	2	4031911602	Council Priority - Ward 2 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	3	4031911603	Council Priority - Ward 3 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	4	4031911604	Council Priority - Ward 4 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	5	4031911605	Council Priority - Ward 5 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	6	4031911606	Council Priority - Ward 6 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	7	4031911607	Council Priority - Ward 7 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	8	4031911608	Council Priority - Ward 8 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	9	4031911609	Council Priority - Ward 9 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	10	4031911610	Council Priority - Ward 10 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	11	4031911611	Council Priority - Ward 11 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	12	4031911612	Council Priority - Ward 12 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	13	4031911613	Council Priority - Ward 13 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	14	4031911614	Council Priority - Ward 14 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
	15	4031911615	Council Priority - Ward 15 Minor Rehabilitation	180	-	-	-	-	-	-	-	180	180	-	-	-
<u>Council Priority Total:</u>				2,700	-	-	-	-	-	-	-	2,700	2,700	-	-	-
<u>Council Priority - Rehabilitation</u>																
	5	4032011025	Galbraith / Second Street N	580	-	-	-	-	30	550	-	-	-	-	-	-
	4	4242009401	A/R - Greenhill / Dundonald / Montrose / Erindale	2,130	-	-	-	1,230	900	-	-	-	-	-	-	-
<u>Council Priority - Rehabilitation Total:</u>				2,710	-	-	-	1,230	930	550	-	-	-	-	-	-
<u>Council Priority - Replacement</u>																
	1	4032019106	Hillcrest - Chedoke to end	260	-	-	-	-	-	260	-	-	-	-	-	-
<u>Council Priority - Replacement Total:</u>				260	-	-	-	-	-	260	-	-	-	-	-	-
<u>Development Engineering</u>																
	9	4031580589	Rymal - Fletcher to Upper Centennial	10,890	-	-	8,712	-	-	-	-	2,178	-	-	2,178	-
	9, 11	4031780789	RR 56 - Rymal to south limit of ROPA 9	5,720	-	-	4,856	-	-	-	-	864	-	-	864	-
	12	4031980951	Springbrook Ave (Phase 2) - Regan to Garner	1,500	-	-	1,280	-	-	-	-	220	220	-	-	-
	11	4032080080	Twenty Road Class EA (Upper James to Glanaster)	690	-	-	590	-	-	-	-	100	100	-	-	-
	12	4032080089	Book Class EA - Hwy 6 to Glanaster	690	-	-	590	-	-	-	-	100	100	-	-	-
	7, 8	4032080288	Upper Wellington - Stone Church to Limeridge	150	-	-	90	-	-	-	-	60	60	-	-	-
City Wide		4032080582	Development Road Urbanization	500	-	-	476	-	-	-	-	24	24	-	-	-
<u>Development Engineering Total:</u>				20,140	-	-	16,594	-	-	-	-	3,546	504	-	3,042	-
<u>Distribution (Water)</u>																
City Wide		4032062073	Field Data Systems Program	110	-	-	-	-	-	-	-	110	110	-	-	-
<u>Distribution (Water) Total:</u>				110	-	-	-	-	-	-	-	110	110	-	-	-
<u>Other</u>																
City Wide		4032001099	Engineering Services Staffing Costs - Road	5,570	-	-	-	-	-	-	-	5,570	5,570	-	-	-
City Wide		4032058001	Consultation and Accommodation	30	-	-	-	-	-	-	-	30	30	-	-	-
<u>Other Total:</u>				5,600	-	-	-	-	-	-	-	5,600	5,600	-	-	-

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
<u>Replacement Program</u>																
	13	4031619104	Highway 8 - Hillcrest to Park	1,300	-	-	-	-	-	520	-	780	-	-	780	-
	2	4031911028	Strachan - James to east end	90	-	-	-	-	-	-	-	90	-	-	90	-
	4	4031919110	Barton - Parkdale to Talbot	90	-	-	-	-	-	-	-	90	-	-	90	-
City Wide	4032010006	Minor Construction Program	270	-	-	-	-	-	-	250	-	20	20	-	-	-
City Wide	4032011225	Geotechnical Investigation Program	720	-	-	-	-	-	-	-	-	720	720	-	-	-
	1	4032019103	Marion - King to Dromore	140	-	-	-	-	-	-	-	140	140	-	-	-
	13	4032019104	Highway 8 - Woodleys Lane to Hillcrest	2,300	-	-	-	-	-	920	-	1,380	-	-	1,380	-
	13	4032019105	Glenmorris Drive / Underhill Avenue (York Heights Neighbourhood)	140	-	-	-	-	-	-	-	140	140	-	-	-
	14	4032019108	Scenic - Chateau Crt to Upper Paradise	140	-	-	-	-	-	-	-	140	-	-	140	-
City Wide	4032049555	QA-QC Service Contract Program	140	-	-	-	-	-	-	-	-	140	140	-	-	-
<u>Replacement Program Total:</u>			5,330	-	-	-	-	-	-	1,690	-	3,640	1,160	-	2,480	-
<u>Road OPS Growth</u>																
City Wide	4032021350	Fleet Additions - Roads O&M	200	-	-	129	-	-	-	-	-	71	71	-	-	-
<u>Road OPS Growth Total:</u>			200	-	-	129	-	-	-	-	-	71	71	-	-	-
<u>Rural Rehabilitation Program</u>																
	12	4032011018	Book - Southcote to Glancaster	610	-	-	-	-	-	-	-	610	-	-	610	-
	10	4032011024	Fifty Road Escarpment Access	140	-	-	-	-	-	-	-	140	140	-	-	-
City Wide	4032017677	Pavement Preventative Maintenance Program	2,000	-	-	-	-	-	-	2,000	-	-	-	-	-	-
<u>Rural Rehabilitation Program Total:</u>			2,750	-	-	-	-	-	-	2,000	-	750	140	-	610	-
<u>Sidewalks</u>																
City Wide	4032011222	New Sidewalk Program	450	-	-	428	-	-	-	-	-	22	22	-	-	-
	6	4032011226	Rymal Sidewalk - Upper Sherman to Eva (north side)	50	-	-	-	-	-	-	-	50	50	-	-	-
	2	4032019085	Hughson - King to King William - New Sidewalk	150	-	-	-	-	-	-	-	150	150	-	-	-
<u>Sidewalks Total:</u>			650	-	-	428	-	-	-	-	-	222	222	-	-	-
<u>Street Lights</u>																
City Wide	4042010017	Street Lighting Capital Program	400	-	-	-	-	-	-	-	-	400	400	-	-	-
<u>Street Lights Total:</u>			400	-	-	-	-	-	-	-	-	400	400	-	-	-
<u>Technical Studies & Reporting</u>																
City Wide	4031955878	Hamilton Public Bike Share Expansion Planning	50	-	-	-	-	-	-	-	-	50	50	-	-	-
City Wide	4031955986	Multi-modal Level-of-Service (MMLoS) Policy and Transportation Impact Study Guidelines Update	30	-	-	-	-	-	-	-	-	30	30	-	-	-
City Wide	4031955987	Road Classification Harmonization Study and R-O-W Review	100	-	-	-	-	-	-	-	-	100	100	-	-	-
City Wide	4032018218	OSIM Bridge and Culvert Inspections	310	-	-	-	-	-	-	-	-	310	310	-	-	-
City Wide	4032018219	Structural Investigations and Reports	60	-	-	-	-	-	-	-	-	60	60	-	-	-
6, 7, 8	4032055040	Rymal EA - Dartnall to Upper James	300	-	-	-	-	-	-	-	-	300	300	-	-	-
City Wide	4032055085	Rail Grade Separation Review	80	-	-	-	-	-	-	-	-	80	80	-	-	-
City Wide	4032055243	LINC and RHVP Widening Study	600	-	-	-	-	600	-	-	-	-	-	-	-	-
City Wide	4032055522	State of the Infrastructure - Asset Management	270	-	-	-	-	-	-	-	-	270	270	-	-	-
City Wide	4032055556	Mapping Update Program	40	-	-	-	-	-	-	-	-	40	40	-	-	-
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development	50	-	-	-	-	-	-	-	-	50	50	-	-	-
City Wide	4032055744	TMP Modelling & Monitoring	80	-	-	-	-	-	-	-	-	80	80	-	-	-
<u>Technical Studies & Reporting Total:</u>			1,970	-	-	-	-	600	-	-	-	1,370	1,370	-	-	-

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												From Operating	Debt	Federal Gas Tax	Other: Reserves Future Fund Dividends	
<u>Traffic - APS</u>																
City Wide	4662020531	APS - Accessible Pedestrian Signals	100	-	-	-	-	-	-	-	100	100	-	-	-	
<u>Traffic - APS Total:</u>			100	-	-	-	-	-	-	-	100	100	-	-	-	
<u>Traffic - Pedestrian Signals</u>																
3, 6, 7	4662020525	Pedestrian Traffic Signals	370	-	-	-	-	-	120	-	250	250	-	-	-	
<u>Traffic - Pedestrian Signals Total:</u>			370	-	-	-	-	-	120	-	250	250	-	-	-	
<u>Traffic Operations</u>																
City Wide	4031710715	Railway Crossings Upgrades	500	-	-	-	-	-	-	-	500	500	-	-	-	
City Wide	4032010012	Railway Roadway Crossings Rehabilitation Program	150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	4661920930	Neighbourhood Speed Reduction Initiative	450	-	-	-	-	-	-	-	450	450	-	-	-	
City Wide	4662015820	Traffic Counts Program	250	-	-	-	-	-	200	-	50	50	-	-	-	
City Wide	4662016102	Traffic Calming	300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	4662020001	ATMS – Advanced Traffic Management System	750	-	-	-	-	-	-	-	750	750	-	-	-	
3	4662020012	Wilson - Victoria to Sherman Two-Way Conversion	300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	4662020019	Traffic Controller Replacement Program	400	-	-	-	-	-	400	-	-	-	-	-	-	
1, 2	4662020210	Queen - Main to King Two-Way Conversion - Phase 2	500	-	-	-	-	-	-	-	500	500	-	-	-	
City Wide	4662020720	Plastic Pavement Marking Rehabilitation	400	-	-	-	-	-	-	-	400	400	-	-	-	
City Wide	4662020721	Pedestrian Crossovers	300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	4662020722	Overhead Sign Structure	500	-	-	-	-	-	-	-	500	500	-	-	-	
<u>Traffic Operations Total:</u>			4,800	-	-	-	-	-	600	-	4,200	4,200	-	-	-	
<u>Traffic Signals</u>																
City Wide	4662020010	Traffic Signal Modernization	200	-	-	-	-	-	200	-	-	-	-	-	-	
City Wide	4662020011	Traffic Signal Upgrades	450	-	-	-	-	-	450	-	-	-	-	-	-	
City Wide	4662020017	Traffic Signal LED Lighting Upgrade Program	200	-	-	-	-	-	-	-	200	200	-	-	-	
7	4662020020	New Traffic Signal - Rymal Road at Arrowhead Drive	180	-	-	170	-	-	-	-	10	10	-	-	-	
15	4662020021	New Traffic Signal - Center Road at Concession 8	300	-	-	286	-	-	-	-	14	14	-	-	-	
1, 2	4662020022	New Traffic Signal - Queen Street at Napier Street	150	-	-	144	-	-	-	-	6	6	-	-	-	
4	4662020023	New Traffic Signal - King at Kenilworth North Bound Off Ramp	250	-	-	238	-	-	-	-	12	12	-	-	-	
11	4662020024	New Traffic Signal - Glanair at Upper James	250	-	-	238	-	-	-	-	12	12	-	-	-	
15	4662020026	New Traffic Signal - 36 Dundas St E (Waterdown) 300m w/o Clappison Ave	250	-	250	-	-	-	-	-	-	-	-	-	-	
4	4662020027	New Traffic Signal - Lawrence @ Kenilworth Ramp - 652 Lawrence Ave	250	-	250	-	-	-	-	-	-	-	-	-	-	
8	4662020028	New Traffic Signal - Stone Church at Chesley	130	-	-	124	-	-	-	-	6	6	-	-	-	
3	4662020029	New Traffic Signal - Bernie Custis Secondary School Crosswalk - Cannon at Melrose Ave	300	-	-	286	-	-	-	-	14	14	-	-	-	
City Wide	4662020522	Traffic Engineering - Signal Design	200	-	-	-	-	-	200	-	-	-	-	-	-	
<u>Traffic Signals Total:</u>			3,110	-	500	1,486	-	-	850	-	274	274	-	-	-	
<u>Traffic Study/Master Plan</u>																
9, 11	4031955944	Transportation EA - Hwy 56 - Rymal to Binbrook	30	-	-	-	-	-	-	-	30	30	-	-	-	
City Wide	4032055820	Sustainable Mobility Program	250	-	-	-	-	-	-	-	250	250	-	-	-	
City Wide	4032055940	Transportation Tomorrow Survey	40	-	-	-	-	-	-	-	40	40	-	-	-	
<u>Traffic Study/Master Plan Total:</u>			320	-	-	-	-	-	-	-	320	320	-	-	-	

City of Hamilton
Tax Capital Budget
Approved 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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>Transportation Operations & Maintenance</u>																
City Wide	4032010005	Major Road Maintenance Program	500	-	-	-	-	-	500	-	-	-	-	-	-	-
City Wide	4032011224	Sidewalk Rehabilitation Program	750	-	-	-	-	-	-	-	750	750	-	-	-	
City Wide	4032017241	Fencing/Sound Barrier Rehabilitation/Replacement within the Road Allowance	150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	4032020048	Durable Pavement Markings	600	-	-	-	-	-	-	-	600	600	-	-	-	
3	4032041065	Snow Disposal Site - Yard Improvements	250	-	-	-	-	-	-	-	250	250	-	-	-	
City Wide	4032041762	Yard Facility Maintenance and Improvement Program	150	-	-	-	-	-	-	-	150	150	-	-	-	
7	4032049040	District South - Outside Yard Electrical Upgrades	120	-	-	-	-	-	-	-	120	120	-	-	-	
City Wide	4032051410	Roads - Small Equipment Replacement	50	-	-	-	50	-	-	-	-	-	-	-	-	
13	4041941963	Brock Rd and Rockton Yard Improvements	100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	4042011351	Roads - Alleyway Rehabilitation	100	-	-	-	-	-	-	-	100	100	-	-	-	
City Wide	4042017384	Guide Rail Replacement Program	400	-	-	-	-	-	-	-	400	400	-	-	-	
City Wide	4662020050	Engagement Priorities - Vision Zero	500	-	-	-	500	-	-	-	-	-	-	-	-	
City Wide	4662020051	Education Priorities - Vision Zero	400	-	-	-	400	-	-	-	-	-	-	-	-	
City Wide	4662020052	Evaluation Priorities - Vision Zero	200	-	-	-	200	-	-	-	-	-	-	-	-	
City Wide	4662020053	Engineering Priorities - Vision Zero	600	-	-	-	600	-	-	-	-	-	-	-	-	
<u>Transportation Operations & Maintenance Total:</u>			<u>4,870</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,750</u>	<u>-</u>	<u>500</u>	<u>-</u>	<u>2,620</u>	<u>2,620</u>	<u>-</u>	<u>-</u>	<u>-</u>	
<u>Transportation Systems</u>																
1, 3, 5, 8, 14	4032017050	Bicycle Infrastructure Upgrades	130	-	-	-	-	-	-	-	130	130	-	-	-	
15	4032017051	Waterdown Traffic Management Implementation	150	-	-	-	-	-	-	-	150	150	-	-	-	
1, 2, 3, 4, 5, 8, 15	4032017053	Bicycle Boulevard (Neighbourhood Greenways) Program	130	-	-	-	-	-	-	-	130	130	-	-	-	
City Wide	4661817124	On Street Bike Facilities	300	-	-	-	-	-	-	-	300	300	-	-	-	
City Wide	4662017124	On Street Bike Facilities	300	-	-	-	-	-	-	-	300	300	-	-	-	
<u>Transportation Systems Total:</u>			<u>1,010</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1,010</u>	<u>1,010</u>	<u>-</u>	<u>-</u>	<u>-</u>	
<u>Urban Rehabilitation Program</u>																
15	4031911023	Cedar / Fern / Braeheid	680	-	-	-	-	-	-	-	680	-	-	680	-	
5, 10	4031911026	North Service Rd - Centennial Pkwy to Drakes	570	-	-	-	-	-	-	-	570	-	-	570	-	
1, 2	4031911029	York - Caroline to Dundurn & Cannon - James to York	3,000	1,100	-	-	-	-	-	-	1,900	-	-	1,900	-	
3	4032011013	Sherman - King to south end	900	490	-	-	-	-	-	-	410	-	-	410	-	
3	4032011014	Wentworth - Wilson to King	120	110	-	-	-	-	-	-	10	10	-	-	-	
4	4032011015	Main -Queenston Traffic Circle to Delena & Rosewood	1,890	850	-	-	-	-	300	-	740	-	-	740	-	
5	4032011017	Beach Boulevard - Woodward to Eastport	2,700	-	-	-	500	-	-	-	2,200	-	-	2,200	-	
2, 3, 8	4032011020	Claremont Access - Inverness to Main	2,880	-	-	-	-	-	-	-	2,880	-	-	2,880	-	
15	4032011021	Dundas - First to Hamilton-Burlington boundary	2,000	-	-	-	-	-	-	-	2,000	-	-	2,000	-	
9	4032011026	Mud - Paramount to Upper Centennial Parkway	2,610	-	-	-	-	-	-	-	2,610	-	-	2,610	-	
12	4032011028	Southcote - Garner to Highway 403 Bridge	140	-	-	84	-	-	-	-	56	56	-	-	-	
6, 7, 8, 12, 14	4032011045	LINC Rehabilitation - CASH FLOW	2,700	-	-	-	-	2,700	-	-	-	-	-	-	-	
6	4242009601	A/R - Quinn / Ridley / Quail / Quaker	900	-	-	-	900	-	-	-	-	-	-	-	-	
6	4242009602	A/R - Trenholme / Solomon	1,440	-	-	-	1,440	-	-	-	-	-	-	-	-	
<u>Urban Rehabilitation Program Total:</u>			<u>22,530</u>	<u>2,550</u>	<u>-</u>	<u>84</u>	<u>2,840</u>	<u>2,700</u>	<u>300</u>	<u>-</u>	<u>14,056</u>	<u>66</u>	<u>-</u>	<u>13,990</u>	<u>-</u>	
Roads Total:			100,900	2,550	500	18,721	7,740	4,330	7,870	-	59,189	29,613	-	29,576	-	

City of Hamilton
Tax Capital Budget
Approved 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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	
Transit Services																
2	5302084003	Renaming the MacNab Terminal	37	-	-	-	-	-	-	-	37	37	-	-	-	
City Wide	5301784707	Rapid Ready & Ten Year Local Transit Strategy Implementation	50	-	-	-	50	-	-	-	-	-	-	-	-	
City Wide	5302085803	Terminal and End of Line Rehabilitation	150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	5302085804	Bus Stop Shelter Rehabilitation	125	-	-	-	-	-	-	-	125	125	-	-	-	
City Wide	5302085902	Transit Shelter Expansion Program	150	-	-	-	150	-	-	-	-	-	-	-	-	
City Wide	5302083503	Nonrevenue Vehicle Replace Program	162	-	-	-	162	-	-	-	-	-	-	-	-	
City Wide	5312082100	ATS - Vehicle Replacement Program	1,400	-	-	-	1,400	-	-	-	-	-	-	-	-	
Transit Services Total:			2,074	-	-	-	1,762	-	-	-	312	312	-	-	-	
Waste Management																
City Wide	5121949003	CCF Lifecycle Replacement	791	-	-	-	-	-	-	-	791	791	-	-	-	
City Wide	5122051001	Waste Management By-Law - Support Fleet Acquisition	86	-	-	-	-	-	-	-	86	86	-	-	-	
City Wide	5122051002	Waste Collections - Safe-Stop Trailer Attenuator	50	-	-	-	-	-	-	-	50	50	-	-	-	
City Wide	5122091000	Glanbrook Landfill Capital Improvement Program	506	-	-	-	-	-	-	-	506	506	-	-	-	
City Wide	5122091001	Glanbrook Landfill Stage 3 Development- Cells C, D, & E	250	-	-	-	-	-	-	-	250	250	-	-	-	
City Wide	5122092000	Closed Landfill Maintenance & Capital Improvement Program	371	-	-	-	-	-	-	-	371	371	-	-	-	
City Wide	5121290111	Leaf & Yard Waste Composting Facility Relocation	200	-	-	90	-	-	-	-	110	110	-	-	-	
City Wide	5122055137	Waste Management R & D Program	180	-	-	-	-	-	-	-	180	180	-	-	-	
City Wide	5122095525	SWMMP Approvals	150	-	-	-	-	-	-	-	150	150	-	-	-	
City Wide	5122094920	Environmental Services Legislative Compliance Program	185	-	-	-	-	-	-	-	185	185	-	-	-	
City Wide	5121594511	Transfer Station/CRC Expansion & Capital Replacement	2,413	-	-	869	-	-	-	-	1,544	1,544	-	-	-	
City Wide	5122051700	MRF Lifecycle Replacement	650	-	-	293	-	-	-	-	357	357	-	-	-	
City Wide	5122093000	Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program	286	-	-	90	-	-	-	-	196	196	-	-	-	
City Wide	5122094000	Transfer Station/CRC Maintenance & Capital Improvement Program	213	-	-	-	-	-	-	-	213	213	-	-	-	
City Wide	5122051501	Waste Collection Fleet Replacement	1,700	-	-	-	-	-	-	-	1,700	1,700	-	-	-	
City Wide	5122090200	Diversion Container Replacement Program	831	-	-	75	-	-	-	-	756	756	-	-	-	
City Wide	5122090700	Public Space & Special Event Containers	50	-	-	-	-	-	-	-	50	50	-	-	-	
Waste Management Total:			8,912	-	-	1,417	-	-	-	-	7,495	7,495	-	-	-	
West Harbour & Waterfront Strategic Initiatives																
2	4411506107	Pier 5-7 Marina Shoreline Rehab	1,500	-	-	-	-	-	-	-	1,500	1,500	-	-	-	
2	4411606102	Pier 5-7 Boardwalk	4,500	-	-	-	-	-	-	-	4,500	1,570	2,930	-	-	
2	4411806102	Macassa Bay Shoreline Improvements	700	-	-	-	-	-	-	-	700	700	-	-	-	
2	4411806103	Macassa Bay Boardwalk and Trail	750	-	-	-	-	-	-	-	750	750	-	-	-	
2	4412006105	Pier 8 - Utilities	2,750	-	1,250	-	-	-	1,500	-	-	-	-	-	-	
West Harbour & Waterfront Strategic Initiatives Total:			10,200	-	1,250	-	-	-	1,500	-	7,450	4,520	2,930	-	-	
Public Works Tax Funded Total:			172,190	2,550	3,410	34,917	23,491	4,330	11,220	-	92,272	59,766	2,930	29,576	-	
Total All Projects:			244,027	9,550	3,440	43,002	33,642	4,330	11,220	-	138,843	82,237	12,930	29,576	14,100	
Previously Approved 2020 Capital Program Projects			153,647	113,688	-	15,589	5,781	-	-	-	18,589	-	18,589	-	-	
TOTAL 2020 CAPITAL PROGRAM			397,674	123,238	3,440	58,591	39,423	4,330	11,220	-	157,432	82,237	31,519	29,576	14,100	

**2020
Capital
Financing
For Projects
Previously
Approved**

City of Hamilton
Tax Capital Budget
Previously Approved 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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		
<i>Healthy and Safe Communities (HSC19048(a))</i>																	
Housing Services																	
City Wide	6731941013	COCHI - Transitional Ops	350	350	-	-	-	-	-	-	-	-	-	-	-	-	-
City Wide	6731941022	OPHI - Ontario Renovates	1,619	1,619	-	-	-	-	-	-	-	-	-	-	-	-	-
City Wide	6731941023	OPHI - Housing Allowances	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-
City Wide	6731941910	COCHI - Administration	72	72	-	-	-	-	-	-	-	-	-	-	-	-	-
City Wide	6731941912	COCHI - Rent Supplement	1,009	1,009	-	-	-	-	-	-	-	-	-	-	-	-	-
City Wide	6731941920	OPHI - Administration	119	119	-	-	-	-	-	-	-	-	-	-	-	-	-
Housing Services Total:			3,819	3,819	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Healthy and Safe Communities Total:</i>			3,819	3,819	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Public Works Tax Funded (PW19083/FCS18048(a))</i>																	
Transit Services																	
3, City Wide	5301785701	Transit Maintenance and Storage Facility (Cash Flow Project)	120,000	87,996	-	14,748	-	-	-	-	17,256	-	17,256	-	-	-	-
City Wide	5302084010	PRESTO Equipment Replacement	5,000	3,667	-	-	-	-	-	-	1,333	-	1,333	-	-	-	-
City Wide	5301783700	HSR Bus Expansion Program - 10 Year Plan	4,000	2,933	-	324	743	-	-	-	-	-	-	-	-	-	-
City Wide	5302083001	HSR Expansion Buses - Modal Split	6,400	4,693	-	517	1,190	-	-	-	-	-	-	-	-	-	-
City Wide	5302083100	HSR Bus Replacement Program	13,528	9,920	-	-	3,608	-	-	-	-	-	-	-	-	-	-
City Wide	5302083101	Active Transportation Connections	900	660	-	-	240	-	-	-	-	-	-	-	-	-	-
Transit Services Total:			149,828	109,869	-	15,589	5,781	-	-	-	18,589	-	18,589	-	-	-	-
<i>Public Works Tax Funded Total:</i>			149,828	109,869	-	15,589	5,781	-	-	-	18,589	-	18,589	-	-	-	-
<i>Total All Projects:</i>			153,647	113,688	-	15,589	5,781	-	-	-	18,589	-	18,589	-	-	-	-
Recommended 2020 Capital Program Projects			244,027	9,550	3,440	43,002	33,642	4,330	11,220	-	138,843	82,237	12,930	29,576			14,100
TOTAL 2020 CAPITAL PROGRAM			397,674	123,238	3,440	58,591	39,423	4,330	11,220	-	157,432	82,237	31,519	29,576			14,100

**2020
Capital
Financing
For Projects
Not Included
in Financing
Plan**

City of Hamilton
Tax Capital Budget
Not Included - 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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>City Manager</u>															
Human Resources															
City Wide	2052059002	Harassment & Discrimination Case Management System	200	-	-	-	-	-	-	-	200	-	-	-	-
Human Resources Total:			200	-	-	-	-	-	-	-	200	-	-	-	-
<u>City Manager Total:</u>			200	-	-	-	-	-	-	-	200	-	-	-	-
<u>Corporate Services</u>															
Customer Service & POA															
City Wide	2052057001	Security Enhancements	750	-	-	-	-	-	-	-	750	750	-	-	-
5	2052057003	POA - 3rd Floor Finishing Unserved Space	737	-	-	-	-	-	737	-	-	-	-	-	-
Customer Service & POA Total:			1,487	-	-	-	-	-	737	-	750	750	-	-	-
Information Technology (IT)															
City Wide	3501657602	IT Security	192	-	-	-	-	-	-	-	192	-	-	-	-
City Wide	3501957907	Business Systems and Services Continuity Plan	120	-	-	-	-	-	-	-	120	120	-	-	-
City Wide	3502057202	IT Asset Management Program	150	-	-	-	-	-	-	-	150	-	-	-	-
City Wide	3502057201	Technology Roadmap - Financial Systems	150	-	-	-	-	-	-	-	150	-	-	-	-
Information Technology (IT) Total:			612	-	-	-	-	-	-	-	612	120	-	-	-
<u>Corporate Services Total:</u>			2,099	-	-	-	-	-	737	-	1,362	870	-	-	-
<u>Council Initiatives</u>															
Council Strategic Projects															
City Wide	9902008800	Council Initiated Strategic Projects	2,000	-	-	-	-	-	-	-	2,000	-	-	-	-
Council Strategic Projects Total:			2,000	-	-	-	-	-	-	-	2,000	-	-	-	-
<u>Council Initiatives Total:</u>			2,000	-	-	-	-	-	-	-	2,000	-	-	-	-
<u>Healthy and Safe Communities</u>															
Hamilton Paramedic Service															
City Wide	7642051103	Ambulance Enhancement	270	-	-	243	-	-	27	-	-	-	-	-	-
Hamilton Paramedic Service Total:			270	-	-	243	-	-	27	-	-	-	-	-	-
Public Health															
City Wide	6772051100	Vaccine Refrigerator Replacement	199	-	-	-	-	-	-	-	199	-	-	-	-
Public Health Total:			199	-	-	-	-	-	-	-	199	-	-	-	-
<u>Healthy and Safe Communities Total:</u>			469	-	-	243	-	-	27	-	199	-	-	-	-
<u>Outside Boards & Agencies</u>															
Hamilton Public Library															
City Wide	7502041100	Branch Refresh Project	200	-	-	-	-	-	-	-	200	-	-	-	-
Hamilton Public Library Total:			200	-	-	-	-	-	-	-	200	-	-	-	-
Police Services															
City Wide	3762055001	Space Feasibility Study	500	-	-	250	250	-	-	-	-	-	-	-	-
Police Services Total:			500	-	-	250	250	-	-	-	-	-	-	-	-
<u>Outside Boards & Agencies Total:</u>			700	-	-	250	250	-	-	-	200	-	-	-	-
<u>Planning & Economic Development</u>															
Economic Development															
City Wide	3621708900	Economic Development Initiatives	2,000	-	-	-	-	-	-	-	2,000	-	-	-	-
Economic Development Total:			2,000	-	-	-	-	-	-	-	2,000	-	-	-	-

City of Hamilton
Tax Capital Budget
Not Included - 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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	
Planning Services																
City Wide	8122059200	Natural Areas Acquisition Fund	300	-	-	-	-	-	-	-	300	-	-	-	-	
Planning Services Total:			300	-	-	-	-	-	-	-	300	-	-	-	-	
Tourism & Culture																
12	7202041205	Fieldcote Museum Expansion	500	-	-	-	-	-	-	-	500	-	-	-	-	
2	7202041000	Visitor Centre Upgrades	30	-	-	-	-	-	-	-	30	-	-	-	-	
Tourism & Culture Total:			530	-	-	-	-	-	-	-	530	-	-	-	-	
Planning & Economic Development Total:			2,830	-	-	-	-	-	-	-	2,830	-	-	-	-	
Public Works Tax Funded																
Corporate Facilities																
	3542041004	Priority Roofs - Capital Lifecycle Renewal	5,800	-	-	-	-	-	-	-	5,800	-	-	-	-	
City Wide	3542041003	Program - Paramedic (EMS) Station Facility Upgrade	100	-	-	-	-	-	-	-	100	-	-	-	-	
City Wide	3542041631	Program - Facilities Security	900	-	-	-	-	-	-	-	900	-	-	-	-	
2	3542049001	City Hall Forecourt Landscaping	750	-	-	-	-	-	-	-	750	-	-	-	-	
Corporate Facilities Total:			7,550	-	-	-	-	-	-	-	7,550	-	-	-	-	
O & M - Parks & Cemeteries																
City Wide	4402049103	Bocce Court Rehab Program	40	-	-	-	-	-	-	-	40	-	-	-	-	
City Wide	4402018001	Vehicular Bridges	70	-	-	-	-	-	-	-	70	70	-	-	-	
City Wide	4402018002	Pedestrian Bridge Replacement & Repair Program	108	-	-	-	-	-	-	-	108	-	-	-	-	
City Wide	4402049503	Cemetery Development - Green Burial	120	-	-	-	-	-	-	-	120	-	-	-	-	
City Wide	4402049505	Cemeteries Foundations Study	50	-	-	-	-	-	-	-	50	-	-	-	-	
City Wide	4402049501	Gateway Replacement - Hamilton Cemetery	70	-	-	-	-	-	-	-	70	-	-	-	-	
City Wide	4402051501	Sportsfield Irrigation System Lifecycle Replacements	100	-	-	-	-	-	-	-	100	-	-	-	-	
City Wide	4402049009	Sport Lighting	600	-	-	-	-	-	-	-	600	-	-	-	-	
City Wide	4402049510	Spraypad Infrastructure Rehabilitation Program	70	-	-	-	-	-	-	-	70	-	-	-	-	
City Wide	4402049100	Stair Replacement and Repair Program	130	-	-	-	-	-	-	-	130	-	-	-	-	
City Wide	4402052601	Playground Lifecycle Replacement Program	560	-	-	-	-	-	-	-	560	-	-	-	-	
City Wide	4402045800	Urban Park Parking Lot Paving Program	320	-	-	-	-	-	-	-	320	-	-	-	-	
5	4402051902	Confederation Beach Park - Capital Maintenance Program	110	-	-	-	-	-	-	-	110	-	-	-	-	
City Wide	4402055501	IPHC Program Equipment Purchases	565	-	-	-	-	-	-	-	565	-	-	-	-	
City Wide	4402049003	Backflow Prevention for Various Parks Facilities	540	-	-	-	-	-	-	-	540	-	-	-	-	
City Wide	4402049502	Flagpole Replacement & Repairs Program	100	-	-	-	-	-	-	-	100	-	-	-	-	
City Wide	4402049504	Parkland Identification and Way Finding Signage	20	-	-	-	-	-	-	-	20	-	-	-	-	
City Wide	4402049612	Cemetery ID Sign Program	120	-	-	-	-	-	-	-	120	-	-	-	-	
15	4402049006	Millgrove Drainage & Repair	75	-	-	-	-	-	-	-	75	-	-	-	-	
City Wide	4402049102	Sports Field Rehab Program	60	-	-	-	-	-	-	-	60	-	-	-	-	
City Wide	4402049607	Outdoor Ice Rink Program	60	-	-	-	-	-	-	-	60	-	-	-	-	
City Wide	4402049610	Park Bleacher Replacement Program	100	-	-	-	-	-	-	-	100	-	-	-	-	
City Wide	4402054699	Tennis and Multi -use Court Rehabilitation Program	300	-	-	-	-	-	-	-	300	-	-	-	-	
O & M - Parks & Cemeteries Total:			4,288	-	-	-	-	-	-	-	4,288	70	-	-	-	

City of Hamilton
Tax Capital Budget
Not Included - 2020 Capital Budget Project List
(000's)

City Ward	Project Number	Project Description	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	
Open Space Development																
	3	4401756702	Fallen Firefighter's Memorial	900	-	-	-	-	-	-	900	-	-	-	-	
	6	4401856819	Albion Falls - Waterfalls Viewing	1,900	-	-	855	-	-	176	869	-	-	-	-	
	6, 7	4402056007	Mountain Drive Park Spray Pad	732	-	-	-	-	-	-	732	-	-	-	-	
City Wide		4402056006	Rail Trail Improvements	130	-	-	-	-	-	-	130	-	-	-	-	
City Wide		4402055002	East Hamilton Mountain Bike Trails Study	150	-	-	-	-	-	-	150	-	-	-	-	
Open Space Development Total:				3,812	-	-	855	-	-	176	-	2,781	-	-	-	-
Recreation Facilities																
	10	7102054001	Kiwanis Community Centre Roof & HVAC (Stoney Creek)	120	-	-	-	-	-	-	120	-	-	-	-	
Recreation Facilities Total:				120	-	-	-	-	-	-	120	-	-	-	-	
Roads																
<u>Urban Rehabilitation Program</u>																
	1	4032011015	Aberdeen - Longwood to Queen	1,170	-	-	-	-	-	-	1,170	-	-	-	-	
	4	4032011019	Cannon - Kenilworth to Ottawa	490	-	-	-	-	-	-	490	-	-	-	-	
<u>Urban Rehabilitation Program Total:</u>				<u>1,660</u>	-	-	-	-	-	-	<u>1,660</u>	-	-	-	-	
Roads Total:				1,660	-	-	-	-	-	-	1,660	-	-	-	-	
Transit Services																
City Wide		5301985901	Transit Terminal Development	490	-	-	-	-	-	-	490	-	-	-	-	
Transit Services Total:				490	-	-	-	-	-	-	490	-	-	-	-	
Public Works Tax Funded Total:				17,920	-	-	855	-	-	176	-	16,889	70	-	-	-
Total All Projects:				26,218	-	-	1,348	250	-	940	-	23,680	940	-	-	-

**2020
Capital
Financing
Summary
of Operating
Impact of
Capital Projects**

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Recommended						
City Manager						
Human Resources						
City Wide	2052059001	Talent Management System Enhancements	200	200	-	-
Human Resources Total:			200	200	-	-
City Manager Total:			200	200	-	-
Corporate Services						
Finance						
City Wide	2051580510	DC Exemptions Recovery	8,500	8,500	-	-
City Wide	3382055001	Community Benefits Strategy & By-law	225	22	-	-
City Wide	3382055002	Provision for ICIP	5,000	5,000	-	-
City Wide	3382055003	Provision for S.O.G.R/Boards & Agencies	414	414	-	-
City Wide	3381557502	Budget Operating System Upgrade	180	180	-	-
Finance Total:			14,319	14,116	-	-
Information Technology (IT)						
City Wide	3501757702	Network Infrastructure Sustainability and Continuous Improvement	456	456	-	-
City Wide	3501857801	IT Strategy and Enterprise Architecture	25	25	-	-
City Wide	3501957909	IT Strategy - Strategic Theme Integrated & Connected	25	25	-	-
City Wide	3501957903	IT Strategy - Strategic Theme Mobility	50	50	15.0	-
City Wide	3501957905	IT Strategy - Strategic Theme Enabling Our People	227	227	-	-
City Wide	3501957906	IT Strategy - Strategic Theme IT Optimization	100	100	-	-
12, 15	3502057204	Corporate Trunked Radio Cell Tower Sites	100	-	-	-
City Wide	3502057203	Payment Card Systems Review	100	100	55.5	0.3
Information Technology (IT) Total:			1,083	983	70.5	0.3
Corporate Services Total:			15,402	15,099	70.5	0.3
Council Initiatives						
Area Rating Special Capital Reinvestment						
14	3302009014	Ward 14 Capital Reinvestment	100	-	-	-
1	3302009100	Ward 1 Capital Reinvestment	100	-	-	-
2	3302009200	Ward 2 Capital Reinvestment	100	-	-	-
3	3302009300	Ward 3 Capital Reinvestment	100	-	-	-
4	3302009400	Ward 4 Capital Reinvestment	100	-	-	-
5	3302009500	Ward 5 Capital Reinvestment	100	-	-	-
6	3302009600	Ward 6 Capital Reinvestment	100	-	-	-
7	3302009700	Ward 7 Capital Reinvestment	100	-	-	-
8	3302009800	Ward 8 Capital Reinvestment	100	-	-	-
Area Rating Special Capital Reinvestment Total:			900	-	-	-
Council Strategic Projects						
City Wide	2110953900	Randle Reef Rehabilitation Project	375	375	-	-
City Wide	2112056401	Parkland Acquisition	2,500	2,500	-	-
Council Strategic Projects Total:			2,875	2,875	-	-
Council Initiatives Total:			3,775	2,875	-	-
Healthy and Safe Communities						
Hamilton Fire Department						
City Wide	7402051100	Annual Equipment Replacement	592	-	-	-
15	7401841801	Waterdown New Station	4,200	-	1,455.0	15.0
City Wide	7402051101	Annual Vehicle Replacement	4,305	-	-	-
City Wide	7402051102	Hazmat Foam Response Apparatus	550	550	28.0	-
City Wide	7402051103	Nature Trail Response Apparatus	150	150	15.0	-
Hamilton Fire Department Total:			9,797	700	1,498.0	15.0

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Recommended 2020 Capital Projects	Hamilton Paramedic Service						
	6	7642041102	Station 32 Renovation	300	300	-	-
	City Wide	7642051101	Annual Equipment Replacement	381	-	-	-
	City Wide	7642051100	Annual Vehicle Replacement	1,176	-	-	-
	Hamilton Paramedic Service Total:			1,857	300	-	-
	Housing Services						
	City Wide	6731741609	Poverty Reduction Investment (PRI) - Affordable Rental Housing	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	6732041200	National Housing Strategy_CHH	17,000	10,000	-	-
City Wide	6732041302	Social Housing Capital Repairs and Regeneration	500	500	-	-	
Housing Services Total:			24,500	17,500	-	-	
Long Term Care Homes							
City Wide	6301841001	ML - Roof Replacement	811	811	-	-	
City Wide	6301851803	ML & WL - Circulation Pumps (Cooling and Heating)	10	-	-	-	
City Wide	6301855801	ML - Building Components Study	60	-	-	-	
City Wide	6301941002	WL - Dish Room/Physio & Salon Exhaust & Supply	193	-	-	-	
City Wide	6301941003	WL - Radiant Heating Panel/Thermostat Controls	132	-	6.0	-	
City Wide	6301941006	WL - Servery Retrofit (Cabinet and Counter Replacement)	198	-	-	-	
City Wide	6302051002	ML & WL - Annual Resident Care Equipment Replacement	60	-	-	-	
City Wide	6302051801	ML & WL - Security Systems	200	101	-	-	
Long Term Care Homes Total:			1,664	912	-	6.0	
Healthy and Safe Communities Total:			37,818	19,412	1,492.0	15.0	
Outside Boards & Agencies							
CityHousing Hamilton							
City Wide	6182041602	City Housing Contribution	500	500	-	-	
CityHousing Hamilton Total:			500	500	-	-	
H.C.A. & Westfield Heritage Village							
City Wide	3802056100	Hamilton Conservation Authority Critical and Safety Projects	1,850	1,850	-	-	
City Wide	3802058902	Westfield Heritage Village - Critical and/or Safety Projects	150	150	-	-	
H.C.A. & Westfield Heritage Village Total:			2,000	2,000	-	-	
Hamilton Beach Rescue (HBRU)							
City Wide	2862051700	HBRU Renovations & Equipment Purchases	70	-	-	-	
Hamilton Beach Rescue (HBRU) Total:			70	-	-	-	
Hamilton Public Library							
15	7501841700	Carlisle Library Replacement	1,500	750	-	-	
4	7502041200	Parkdale Landing	250	-	289.0	3.0	
Hamilton Public Library Total:			1,750	750	-	-	
Police Services							
2, 5, 7	3761951812	Hamilton Police Stations- Roof Repairs and HVAC	400	400	-	-	
1, 2, 3	3762041001	Basement Superstructure & Brick Repairs (Central)	200	200	-	-	
City Wide	3762051007	Police Personal Issued Portable Radio Replacement	480	480	-	-	
City Wide	3761957805	Police Computer Aided Dispatch (CAD) Upgrade	200	200	-	-	
Police Services Total:			1,280	1,280	-	-	
Outside Boards & Agencies Total:			5,600	4,530	289.0	3.0	
Planning & Economic Development							
Economic Development							
City Wide	3621750301	Employment Land Banking (Interest)	600	-	-	-	
Economic Development Total:			600	-	-	-	
Growth Management							
City Wide	4142046100	City Share of Servicing Costs under Subdivision Agreements	3,000	-	-	-	
Growth Management Total:			3,000	-	-	-	

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Recommended 2020 Capital Projects	Licensing & By-Law Services						
	City Wide	4501957900	Handheld Ticketing Device-System Integration	80	80	20.0	-
	City Wide	4501951900	Vehicle Purchases - Licensing	30	-	-	-
	Licensing & By-Law Services Total:			110	80	20.0	-
	Parking Services						
	City Wide	4902057200	License Plate Reading Technology for Parking Enforcement	300	-	-	-
	City Wide	4502055200	School Crossing Review	100	-	-	-
	City Wide	4901755700	Parking By-Law Review	100	-	-	-
	Parking Services Total:			500	-	-	-
	Planning Services						
	City Wide	8141655600	City Wide Employment Survey	95	9	-	-
	City Wide	8101655600	Comprehensive Zoning By-Law	825	454	-	-
	Planning Services Total:			920	463	-	-
	Tourism & Culture						
	City Wide	7202058201	Monument Restoration	65	65	-	-
	9	7202041210	Gage House Window Restoration	100	100	-	-
	City Wide	7202058202	Collections Management	75	75	-	-
	1	7202041200	Dundurn Interior Restoration	100	100	-	-
	12	7202041201	Griffin House Stabilization	107	107	-	-
	4	7202041202	Steam Museum Keefer Steps Restoration	200	200	-	-
2	7202041203	Whitehern Museum Masonry Repairs	100	100	-	-	
3	7202041204	Children's Museum Expansion Phase 2	700	700	41.5	1.0	
1	7202041208	Dundurn Exterior Pathways	75	75	-	-	
1	7202041209	Dundurn Kitchen Renovation	80	80	-	-	
City Wide	7202058200	Heritage Resource Strategies and Initiatives	100	100	-	-	
Tourism & Culture Total:			1,702	1,702	41.5	1.0	
Urban Renewal							
City Wide	8201703706	Community Downtowns and BIAs	224	224	-	-	
City Wide	3621708002	Brownfield Development	220	220	-	-	
City Wide	8201641800	Heritage Property Improvement Grants	400	400	-	-	
City Wide	8201703100	Office Tenancy Assistance Program	50	50	-	-	
2, 3, 4	8201703700	Barton/Kenilworth Commercial Corridor Building Grant Program	305	305	-	-	
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	420	420	-	-	
1, 2, 3	8201703900	Downtown West Harborfront Remediation Loan Program	25	25	-	-	
City Wide	8202003000	Hamilton Community Heritage Fund Loan Program	60	60	-	-	
Urban Renewal Total:			2,210	2,210	-	-	
Planning & Economic Development Total:			9,042	4,455	350.5	4.0	
Recommended 2020 Capital Projects	Public Works Tax Funded						
	Corporate Facilities						
	City Wide	3541849003	Backflow Prevention for Various Facilities	275	275	120.0	-
	2	3542041002	City Hall Garage Roof Slab Structural Rehabilitation	140	140	-	-
	2	3542041005	City Hall 5th & 6th Floor Renovations	295	-	-	-
	10	3542041910	Stoney Creek City Hall -RCMP Lease Capital Replacement	210	-	-	-
	City Wide	3542041009	Program - Compliance Remediation	450	450	-	-
	City Wide	3542041409	Program - Facilities Code & Legislative Compliance	400	400	-	-
	City Wide	3542041412	Program - Roof Management	1,600	1,600	-	-
	City Wide	3542041532	Program - Facility Capital Maintenance	550	550	-	-
	City Wide	3542051001	Program - Mechanical Infrastructure Life-cycle renewal	200	200	-	-
	City Wide	3542051900	Generator Compliance Testing and Upgrades	470	470	-	-
	City Wide	3542055100	Corporate Facilities Audit Program	310	310	-	-
	City Wide	3542041013	Program - Firestations Facility Upgrade	350	350	-	-
	Corporate Facilities Total:			5,250	4,745	120.0	-

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Energy Initiatives						
City Wide	7902049001	2020 Lighting Upgrade to LEDs at Various Recreation Facilities	633	-	-	-
City Wide	7902049002	2020 Hamilton City Hall Lighting Upgrade to LEDs	550	-	-	-
City Wide	7902049003	2020 Libraries LED Upgrade Project	185	-	-	-
8	7902049000	2020 Westmount Recreation Centre - DHW Solar Thermal	158	-	-	-
Energy Initiatives Total:			1,526	-	-	-
Entertainment Facilities						
2	3721841801	Program FirstOntario Concert Hall Replacements and Renovations	100	-	-	-
2	3722041805	Program HCC, FOCH & FOC Lifecycle Renewal	700	700	-	-
2	3722051000	Commonwealth Square Timber Railing Replacement	100	100	-	-
Entertainment Facilities Total:			900	800	-	-
Fleet Services						
City Wide	4942051001	Shop Equipment Replacement	168	-	-	-
City Wide	4942051004	Street Sweeper Purchase	750	-	-	-
City Wide	4942051100	Fleet Vehicle&Equipment Replace Program	9,230	-	-	-
Fleet Services Total:			10,148	-	-	-
Forestry & Horticulture						
City Wide	4452051900	Horticulture Infrastructure Replacement	60	60	-	-
City Wide	4452051700	Small Equipment Replacement (Reserve) Program	75	-	-	-
City Wide	4451153001	Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)	2,600	2,600	-	-
City Wide	4452053444	Tree Planting Program	1,345	1,285	68.8	-
Forestry & Horticulture Total:			4,080	3,945	68.8	-
O & M - Parks & Cemeteries						
13	4402049004	Parkside Cemetery Development	428	70	73.0	0.8
City Wide	4402049007	Cemetery Columbarium	120	-	-	-
City Wide	4402053001	Cemetery Document Digitization	80	80	-	-
City Wide	4402049107	Park Fencing Program	148	148	-	-
City Wide	4402049104	Pedestrian/Security Lighting Replacement Program	80	80	5.0	-
City Wide	4402052600	Playground Lifecycle Replacement Program	810	200	-	-
City Wide	4402056001	Leash Free Dog Park Program	80	-	-	-
6	4402049900	Mohawk Sports Park – Bleachers & Shade Structure	150	-	6.0	-
City Wide	4402051001	Equipment Upgrades	50	50	-	-
City Wide	4402051601	Equipment Acquisition (DC) Program	247	-	20.0	-
5	4402051903	Confederation Beach Park - Capital Maintenance Program	175	-	-	-
City Wide	4402049101	Park Pathway Resurfacing Program	260	260	-	-
City Wide	4402052100	CSA Safety Material Replacement Program	450	150	-	-
City Wide	4402011601	Cemetery Roads Rehabilitation Program	100	100	-	-
O & M - Parks & Cemeteries Total:			3,178	1,138	104.0	0.8
Open Space Development						
6	4402056003	Mohawk Sports Park Masterplan	90	90	-	-
15	4400756755	Joe Sams Leisure Park	180	180	4.5	-
4	4401756706	Roxborough Park Redevelopment	1,000	-	5.0	-
9	4401856805	Cline Park Redevelopment	724	724	14.0	-
13	4401856812	Spencer Creek Estates (13)	300	30	30.0	0.3
12	4401956912	Meadowlands Community Park	476	263	15.0	-
City Wide	4402055600	Parks Testing and Reporting	64	64	-	-
15	4402056002	Skinner Park Waterdown South Neighbourhood Park 1	624	58	43.0	0.4
13	4402056004	Morton Park Redevelopment	100	100	-	-
4	4402056005	Kenilworth Parking Lot	250	-	12.0	-
8	4402056008	Southam Park Master Plan	90	90	-	-
9	4402056010	Highland Road Park (Proposed) - Central Park Development	776	78	35.0	0.3
13	4402056011	Valley Community Centre Park	80	80	-	-
9	4402056024	Summit Phase 10 (Parkette)	374	34	22.0	0.2
10	4402056820	Waterford Park	1,200	195	22.0	0.2

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)	
Recommended 2020 Capital Projects	2	4402056918	Beasley Park Rehabilitation Phase 2 - Kelly Street Pedestrianization	550	231	12.0	0.1	
	City Wide	4401858800	Skatepark Facility - Recreation study implementation	1,763	-	30.0	-	
	4	4241409341	W4 Pipeline Trail	608	-	24.0	0.2	
	City Wide	4401556504	Trails Master Plan Programming	217	33	12.0	0.1	
	4	4401656615	McQuesten Urban Fitness Trail	200	-	15.0	0.1	
	6, 7, 8, 9	4401756703	Mountain Brow Path	650	98	32.0	0.2	
	14	4401956934	Chedoke Falls Viewing Implementation	481	89	-	-	
	City Wide	4401856601	Legislated Monitoring	50	50	-	-	
	City Wide	4402055001	Parkland Acquisition Strategy	50	16	-	-	
	Open Space Development Total:				10,897	2,503	327.5	2.0
	Recreation Facilities							
	2	7101841800	Parks North Yard at Bayfront Park	1,000	310	-	-	
	5	7102054002	Confederation Park Sports Park Buildings	5,950	595	100.0	0.5	
	3	7101254201	Scott Park - Bernie Morelli Recreation Centre (BMRC-NSC)	850	-	-	-	
	9	7101754706	Valley Park Community Centre Fit-up	600	195	150.0	1.0	
	City Wide	7102051001	Program - Mechanical Infrastructure Life-cycle renewal	200	200	-	-	
	City Wide	7102054702	Program - Facility Capital Maintenance	130	130	-	-	
	City Wide	3542055101	Recreation Facilities Audit Program	130	130	-	-	
	City Wide	7102041701	Program - Community Halls Retrofits	250	250	-	-	
	City Wide	7102054508	Public Use Feasibility Needs & Study	50	50	-	-	
	4	7101558501	Parkdale Outdoor Pool Redevelopment & Expansion	400	400	-	-	
	1	7102058001	Victoria Park Outdoor Pool - Redevelopment	300	300	-	-	
	5	7101954903	Riverdale Community Hub	2,000	200	-	-	
	City Wide	7102041706	Program - Recreation Centre Retrofits	200	200	-	-	
	1	7102054003	Alexander Park Community Hub Feasibility	330	-	-	-	
	City Wide	7102054216	Program - Roof Management	1,735	1,735	-	-	
Recreation Facilities Total:				14,125	4,695	250.0	1.5	
Roads								
<u>Asset Preservation</u>								
4	4031919115	Delena / Beland / Dunsmure	90	90	-	-		
4	4031919118	Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)	1,800	1,100	-	-		
2	4032011029	Asset Preservation - Central Neighbourhood	560	560	-	-		
4	4032011030	Asset Preservation - Homeside Neighbourhood (South)	1,230	1,230	-	-		
7	4242009701	A/R - Eastmount Neighbourhood	1,920	-	-	-		
<u>Asset Preservation Total:</u>				5,600	2,980	-	-	
<u>Bridges & Structures</u>								
13	4031618090	Bridge 090 - McMurray St, 100m s/o of Hatt St	450	450	-	-		
2, 7	4031817644	Claremont Access - Bin Wall Removal Phase 1	4,500	4,500	-	-		
13	4031818089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	60	60	-	-		
9	4031818150	Bridge 150 - Tapleystown Rd, 550m n/o Green Mountain Rd E	140	140	-	-		
13	4031818296	Bridge 296 - Governors Rd, 45m e/o Ogilvie St	160	160	-	-		
9	4031818366	Bridge 366 - Mud St W, 320m e/o Paramount Dr	80	80	-	-		
5	4031818407	Bridge 407 - Queenston Rd, 320m e/o Lake Ave	210	210	-	-		
11	4031818444	Bridge 444 - Guyatt Rd - 200m w.o. Hendershot Rd	110	110	-	-		
3	4031917943	Sherman Access East Retaining Wall Replacement	150	150	-	-		
5	4031918048	Bridge 048 - Jones St, 110m w/o King St E	150	150	-	-		
13	4031918342	Bridge 342 - Westover Rd, 245m n/o Highway No. 8	150	150	-	-		
5, 10	4031918975	MTO/City Cost Shared Service Rd Culverts	3,000	3,000	-	-		
12	4032018019	Bridge 019 - Norman Rd, 555m e/o Sager Rd	30	30	-	-		
City Wide	4032018216	Bridge and Culvert Maintenance - T.O.M.	150	150	-	-		
City Wide	4032018217	Bridge and Culvert Major Maintenance - Engineering Services	1,850	1,550	-	-		
13	4032018248	Bridge 248 - King St W, 145m w/o Bond to Woodleys Lane	450	450	-	-		
12	4032018372	Bridge 372 - Wilson St E, 1700m e/o Rousseaux St (south side original)	30	30	-	-		

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
	11	4032018414	Bridge 414 - Miles Road, 130m s/o Dickenson Rd E	180	180	-	-
	5	4032018452	Bridge 452 - Centennial Pkwy, 990m n/o Ridge	320	220	-	-
	City Wide	4042010004	Escarpment Slope & Appurtenance Stabilization Program	1,000	1,000	-	-
	City Wide	4042010417	Retaining Wall Rehabilitation Program	850	850	-	-
	<u>Bridges & Structures Total:</u>			<u>14,020</u>	<u>13,620</u>	<u>-</u>	<u>-</u>
	<u>Buildings</u>						
	13	4032041042	District West - Dundas Changeroom & Meeting Room Improvements	100	100	-	-
	<u>Buildings Total:</u>			<u>100</u>	<u>100</u>	<u>-</u>	<u>-</u>
	<u>Computer Hardware</u>						
	City Wide	4042057014	Drive Cam	250	250	95.0	-
	<u>Computer Hardware Total:</u>			<u>250</u>	<u>250</u>	<u>95.0</u>	<u>-</u>
	<u>Computer Technology</u>						
	City Wide	4031957944	PW Asset Management (PW-AM) System Implementation	1,000	1,000	-	-
	<u>Computer Technology Total:</u>			<u>1,000</u>	<u>1,000</u>	<u>-</u>	<u>-</u>
	<u>Council Priority</u>						
	1	4031911601	Council Priority - Ward 1 Minor Rehabilitation	180	180	-	-
	2	4031911602	Council Priority - Ward 2 Minor Rehabilitation	180	180	-	-
	3	4031911603	Council Priority - Ward 3 Minor Rehabilitation	180	180	-	-
	4	4031911604	Council Priority - Ward 4 Minor Rehabilitation	180	180	-	-
	5	4031911605	Council Priority - Ward 5 Minor Rehabilitation	180	180	-	-
	6	4031911606	Council Priority - Ward 6 Minor Rehabilitation	180	180	-	-
	7	4031911607	Council Priority - Ward 7 Minor Rehabilitation	180	180	-	-
	8	4031911608	Council Priority - Ward 8 Minor Rehabilitation	180	180	-	-
	9	4031911609	Council Priority - Ward 9 Minor Rehabilitation	180	180	-	-
	10	4031911610	Council Priority - Ward 10 Minor Rehabilitation	180	180	-	-
	11	4031911611	Council Priority - Ward 11 Minor Rehabilitation	180	180	-	-
	12	4031911612	Council Priority - Ward 12 Minor Rehabilitation	180	180	-	-
	13	4031911613	Council Priority - Ward 13 Minor Rehabilitation	180	180	-	-
	14	4031911614	Council Priority - Ward 14 Minor Rehabilitation	180	180	-	-
	15	4031911615	Council Priority - Ward 15 Minor Rehabilitation	180	180	-	-
	<u>Council Priority Total:</u>			<u>2,700</u>	<u>2,700</u>	<u>-</u>	<u>-</u>
	<u>Council Priority - Rehabilitation</u>						
	5	4032011025	Galbraith / Second Street N	580	-	-	-
	4	4242009401	A/R - Greenhill / Dundonald / Montrose / Erindale	2,130	-	-	-
	<u>Council Priority - Rehabilitation Total:</u>			<u>2,710</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>Council Priority - Replacement</u>						
	1	4032019106	Hillcrest - Chedoke to end	260	-	-	-
	<u>Council Priority - Replacement Total:</u>			<u>260</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>Development Engineering</u>						
	9	4031580589	Rymal - Fletcher to Upper Centennial	10,890	2,178	75.0	0.3
	9, 11	4031780789	RR 56 - Rymal to south limit of ROPA 9	5,720	864	43.0	0.2
	12	4031980951	Springbrook Ave (Phase 2) - Regan to Garner	1,500	220	-	-
	11	4032080080	Twenty Road Class EA (Upper James to Glancaster)	690	100	-	-
	12	4032080089	Book Class EA - Hwy 6 to Glancaster	690	100	-	-
	7, 8	4032080288	Upper Wellington - Stone Church to Limeridge	150	60	-	-
	City Wide	4032080582	Development Road Urbanization	500	24	-	-
	<u>Development Engineering Total:</u>			<u>20,140</u>	<u>3,546</u>	<u>118.0</u>	<u>0.5</u>
	<u>Distribution (Water)</u>						
	City Wide	4032062073	Field Data Systems Program	110	110	-	-
	<u>Distribution (Water) Total:</u>			<u>110</u>	<u>110</u>	<u>-</u>	<u>-</u>
	<u>Other</u>						
	City Wide	4032001099	Engineering Services Staffing Costs - Road	5,570	5,570	-	-
	City Wide	4032058001	Consultation and Accommodation	30	30	-	-
	<u>Other Total:</u>			<u>5,600</u>	<u>5,600</u>	<u>-</u>	<u>-</u>

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
<i>Replacement Program</i>						
13	4031619104	Highway 8 - Hillcrest to Park	1,300	780	-	-
2	4031911028	Strachan - James to east end	90	90	-	-
4	4031919110	Barton - Parkdale to Talbot	90	90	-	-
City Wide	4032010006	Minor Construction Program	270	20	-	-
City Wide	4032011225	Geotechnical Investigation Program	720	720	-	-
1	4032019103	Marion - King to Dromore	140	140	-	-
13	4032019104	Highway 8 - Woodleys Lane to Hillcrest	2,300	1,380	-	-
13	4032019105	Glenmorris Drive / Underhill Avenue (York Heights Neighbourhood)	140	140	-	-
14	4032019108	Scenic - Chateau Crt to Upper Paradise	140	140	-	-
City Wide	4032049555	QA-QC Service Contract Program	140	140	-	-
<i>Replacement Program Total:</i>			5,330	3,640	-	-
<i>Road OPS Growth</i>						
City Wide	4032021350	Fleet Additions - Roads O&M	200	71	-	-
<i>Road OPS Growth Total:</i>			200	71	-	-
<i>Rural Rehabilitation Program</i>						
12	4032011018	Book - Southcote to Glancaster	610	610	-	-
10	4032011024	Fifty Road Escarpment Access	140	140	-	-
City Wide	4032017677	Pavement Preventative Maintenance Program	2,000	-	-	-
<i>Rural Rehabilitation Program Total:</i>			2,750	750	-	-
<i>Sidewalks</i>						
City Wide	4032011222	New Sidewalk Program	450	22	-	-
6	4032011226	Rymal Sidewalk - Upper Sherman to Eva (north side)	50	50	-	-
2	4032019085	Hughson - King to King William - New Sidewalk	150	150	-	-
<i>Sidewalks Total:</i>			650	222	-	-
<i>Street Lights</i>						
City Wide	4042010017	Street Lighting Capital Program	400	400	110.0	1.0
<i>Street Lights Total:</i>			400	400	110.0	1.0
<i>Technical Studies & Reporting</i>						
City Wide	4031955878	Hamilton Public Bike Share Expansion Planning	50	50	-	-
City Wide	4031955986	Multi-modal Level-of-Service (MMLOS) Policy and Transportation Impact	30	30	-	-
City Wide	4031955987	Road Classification Harmonization Study and R-O-W Review	100	100	-	-
City Wide	4032018218	OSIM Bridge and Culvert Inspections	310	310	-	-
City Wide	4032018219	Structural Investigations and Reports	60	60	-	-
6, 7, 8	4032055040	Rymal EA - Dartnall to Upper James	300	300	-	-
City Wide	4032055085	Rail Grade Separation Review	80	80	-	-
City Wide	4032055243	LINC and RHVP Widening Study	600	-	-	-
City Wide	4032055522	State of the Infrastructure - Asset Management	270	270	-	-
City Wide	4032055556	Mapping Update Program	40	40	-	-
City Wide	4032055588	O.Reg. 588/17 Compliance - Asset Management Plan Development	50	50	-	-
City Wide	4032055744	TMP Modelling & Monitoring	80	80	-	-
<i>Technical Studies & Reporting Total:</i>			1,970	1,370	-	-
<i>Traffic - APS</i>						
City Wide	4662020531	APS - Accessible Pedestrian Signals	100	100	16.1	0.2
<i>Traffic - APS Total:</i>			100	100	16.1	0.2
<i>Traffic - Pedestrian Signals</i>						
3, 6, 7	4662020525	Pedestrian Traffic Signals	370	250	24.1	0.2
<i>Traffic - Pedestrian Signals Total:</i>			370	250	24.1	0.2
<i>Traffic Operations</i>						
City Wide	4031710715	Railway Crossings Upgrades	500	500	-	-
City Wide	4032010012	Railway Roadway Crossings Rehabilitation Program	150	150	-	-
City Wide	4661920930	Neighbourhood Speed Reduction Initiative	450	450	-	-
City Wide	4662015820	Traffic Counts Program	250	50	-	-

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
City Wide	4662016102	Traffic Calming	300	300	-	-
City Wide	4662020001	ATMS – Advanced Traffic Management System	750	750	108.0	1.0
3	4662020012	Wilson - Victoria to Sherman Two-Way Conversion	300	300	-	-
City Wide	4662020019	Traffic Controller Replacement Program	400	-	-	-
1, 2	4662020210	Queen - Main to King Two-Way Conversion - Phase 2	500	500	-	-
City Wide	4662020720	Plastic Pavement Marking Rehabilitation	400	400	-	-
City Wide	4662020721	Pedestrian Crossovers	300	300	5.4	0.1
City Wide	4662020722	Overhead Sign Structure	500	500	-	-
<u>Traffic Operations Total:</u>			<u>4,800</u>	<u>4,200</u>	<u>113.4</u>	<u>1.1</u>
<u>Traffic Signals</u>						
City Wide	4662020010	Traffic Signal Modernization	200	-	-	-
City Wide	4662020011	Traffic Signal Upgrades	450	-	-	-
City Wide	4662020017	Traffic Signal LED Lighting Upgrade Program	200	200	-	-
7	4662020020	New Traffic Signal - Rymal Road at Arrowhead Drive	180	10	13.4	0.1
15	4662020021	New Traffic Signal - Center Road at Concession 8	300	14	13.4	0.1
1, 2	4662020022	New Traffic Signal - Queen Street at Napier Street	150	6	13.4	0.1
4	4662020023	New Traffic Signal - King at Kenilworth North Bound Off Ramp	250	12	13.4	0.1
11	4662020024	New Traffic Signal - Glanair at Upper James	250	12	13.4	0.1
15	4662020026	New Traffic Signal - 36 Dundas St E (Waterdown) 300m w/o Clappison Ave	250	-	13.4	0.1
4	4662020027	New Traffic Signal - Lawrence @ Kenilworth Ramp - 652 Lawrence Ave	250	-	13.4	0.1
8	4662020028	New Traffic Signal - Stone Church at Chesley	130	6	13.4	0.1
3	4662020029	New Traffic Signal - Bernie Custis Secondary School Crosswalk - Cannon at	300	14	13.4	0.1
City Wide	4662020522	Traffic Engineering - Signal Design	200	-	-	-
<u>Traffic Signals Total:</u>			<u>3,110</u>	<u>274</u>	<u>120.6</u>	<u>0.5</u>
<u>Traffic Study/Master Plan</u>						
9, 11	4031955944	Transportation EA - Hwy 56 - Rymal to Binbrook	30	30	-	-
City Wide	4032055820	Sustainable Mobility Program	250	250	-	-
City Wide	4032055940	Transportation Tomorrow Survey	40	40	-	-
<u>Traffic Study/Master Plan Total:</u>			<u>320</u>	<u>320</u>	<u>-</u>	<u>-</u>
<u>Transportation Operations & Maintenance</u>						
City Wide	4032010005	Major Road Maintenance Program	500	-	-	-
City Wide	4032011224	Sidewalk Rehabilitation Program	750	750	-	-
City Wide	4032017241	Fencing/Sound Barrier Rehabilitation/Replacement within the Road	150	150	-	-
City Wide	4032020048	Durable Pavement Markings	600	600	-	-
3	4032041065	Snow Disposal Site - Yard Improvements	250	250	-	-
City Wide	4032041762	Yard Facility Maintenance and Improvement Program	150	150	-	-
7	4032049040	District South - Outside Yard Electrical Upgrades	120	120	-	-
City Wide	4032051410	Roads - Small Equipment Replacement	50	-	-	-
13	4041941963	Brock Rd and Rockton Yard Improvements	100	100	-	-
City Wide	4042011351	Roads - Alleyway Rehabilitation	100	100	-	-
City Wide	4042017384	Guide Rail Replacement Program	400	400	-	-
City Wide	4662020050	Engagement Priorities - Vision Zero	500	-	-	-
City Wide	4662020051	Education Priorities - Vision Zero	400	-	-	-
City Wide	4662020052	Evaluation Priorities - Vision Zero	200	-	-	-
City Wide	4662020053	Engineering Priorities - Vision Zero	600	-	-	-
<u>Transportation Operations & Maintenance Total:</u>			<u>4,870</u>	<u>2,620</u>	<u>-</u>	<u>-</u>
<u>Transportation Systems</u>						
1, 3, 5, 8, 14	4032017050	Bicycle Infrastructure Upgrades	130	130	-	-
15	4032017051	Waterdown Traffic Management Implementation	150	150	-	-
1, 2, 3, 4, 5, 8, 15	4032017053	Bicycle Boulevard (Neighbourhood Greenways) Program	130	130	-	-
City Wide	4661817124	On Street Bike Facilities	300	300	-	0.5
City Wide	4662017124	On Street Bike Facilities	300	300	-	-
<u>Transportation Systems Total:</u>			<u>1,010</u>	<u>1,010</u>	<u>-</u>	<u>0.5</u>

Recommended 2020 Capital Projects

Recommended 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Recommended 2020 Capital Projects	<i>Urban Rehabilitation Program</i>						
	15	4031911023	Cedar / Fern / Braeheid	680	680	-	-
	5, 10	4031911026	North Service Rd - Centennial Pkwy to Drakes	570	570	-	-
	1, 2	4031911029	York - Caroline to Dundurn & Cannon - James to York	3,000	1,900	-	-
	3	4032011013	Sherman - King to south end	900	410	-	-
	3	4032011014	Wentworth - Wilson to King	120	10	-	-
	4	4032011015	Main -Queenston Traffic Circle to Delena & Rosewood	1,890	740	-	-
	5	4032011017	Beach Boulevard - Woodward to Eastport	2,700	2,200	-	-
	2, 3, 8	4032011020	Claremont Access – Inverness to Main	2,880	2,880	-	-
	15	4032011021	Dundas - First to Hamilton-Burlington boundary	2,000	2,000	-	-
	9	4032011026	Mud - Paramount to Upper Centennial Parkway	2,610	2,610	-	-
	12	4032011028	Southcote - Garner to Highway 403 Bridge	140	56	-	-
	6, 7, 8, 12, 14	4032011045	LINC Rehabilitation - CASH FLOW	2,700	-	-	-
	6	4242009601	A/R - Quinn / Ridley / Quail / Quaker	900	-	-	-
	6	4242009602	A/R - Trenholme / Solomon	1,440	-	-	-
	<i>Urban Rehabilitation Program Total:</i>			22,530	14,056	-	-
	Roads Total:			100,900	59,189	597.2	3.8
	Transit Services						
	2	5302084003	Renaming the MacNab Terminal	37	37	-	-
	City Wide	5301784707	Rapid Ready & Ten Year Local Transit Strategy Implementation	50	-	-	-
	City Wide	5302085803	Terminal and End of Line Rehabilitation	150	150	-	-
	City Wide	5302085804	Bus Stop Shelter Rehabilitation	125	125	-	-
	City Wide	5302085902	Transit Shelter Expansion Program	150	-	80.0	-
	City Wide	5302083503	Nonrevenue Vehicle Replace Program	162	-	-	-
	City Wide	5312082100	ATS - Vehicle Replacement Program	1,400	-	200.0	-
	Transit Services Total:			2,074	312	280.0	-
	Waste Management						
	City Wide	5121949003	CCF Lifecycle Replacement	791	791	-	-
	City Wide	5122051001	Waste Management By-Law - Support Fleet Acquisition	86	86	18.9	-
	City Wide	5122051002	Waste Collections - Safe-Stop Trailer Attenuator	50	50	-	-
	City Wide	5122091000	Glanbrook Landfill Capital Improvement Program	506	506	-	-
	City Wide	5122091001	Glanbrook Landfill Stage 3 Development- Cells C, D, & E	250	250	-	-
	City Wide	5122092000	Closed Landfill Maintenance & Capital Improvement Program	371	371	-	-
	City Wide	5121290111	Leaf & Yard Waste Composting Facility Relocation	200	110	-	-
	City Wide	5122055137	Waste Management R & D Program	180	180	-	-
	City Wide	5122095525	SWMMP Approvals	150	150	-	-
	City Wide	5122094920	Environmental Services Legislative Compliance Program	185	185	-	-
	City Wide	5121594511	Transfer Station/CRC Expansion & Capital Replacement	2,413	1,544	-	-
	City Wide	5122051700	MRF Lifecycle Replacement	650	357	-	-
	City Wide	5122093000	Maintenance & Capital Improvements to the Resource Recovery Centre	286	196	-	-
	City Wide	5122094000	Transfer Station/CRC Maintenance & Capital Improvement Program	213	213	-	-
	City Wide	5122051501	Waste Collection Fleet Replacement	1,700	1,700	-	-
	City Wide	5122090200	Diversion Container Replacement Program	831	756	-	-
	City Wide	5122090700	Public Space & Special Event Containers	50	50	-	-
	Waste Management Total:			8,912	7,495	18.9	-
	West Harbour & Waterfront Strategic Initiatives						
	2	4411506107	Pier 5-7 Marina Shoreline Rehab	1,500	1,500	-	-
	2	4411606102	Pier 5-7 Boardwalk	4,500	4,500	-	0.3
	2	4411806102	Macassa Bay Shoreline Improvements	700	700	-	-
	2	4411806103	Macassa Bay Boardwalk and Trail	750	750	-	-
	2	4412006105	Pier 8 - Utilities	2,750	-	-	-
	West Harbour & Waterfront Strategic Initiatives Total:			10,200	7,450	-	0.3
	Public Works Tax Funded Total:			172,190	92,272	-	0.3
	Total Recommended Projects:			244,027	138,843	3,679.4	27.7

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

	Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Previously Approved							
<u>Healthy and Safe Communities (HSC19048(a))</u>							
Housing Services							
	City Wide	6731941013	COCHI - Transitional Ops	350	-	-	-
	City Wide	6731941022	OPHI - Ontario Renovates	1,619	-	-	-
	City Wide	6731941023	OPHI - Housing Allowances	650	-	-	-
	City Wide	6731941910	COCHI - Administration	72	-	-	-
	City Wide	6731941912	COCHI - Rent Supplement	1,009	-	-	-
	City Wide	6731941920	OPHI - Administration	119	-	-	-
	Housing Services Total:			3,819	-	-	-
	<u>Healthy and Safe Communities Total:</u>			3,819	-	-	-
<u>Public Works Tax Funded (PW19083/FCS18048(a))</u>							
Transit Services							
	3, City Wide	5301785701	Transit Maintenance and Storage Facility (Cash Flow Project)	120,000	17,256	6,500.0	21.0
	City Wide	5302084010	PRESTO Equipment Replacement	5,000	1,333	-	-
	City Wide	5301783700	HSR Bus Expansion Program - 10 Year Plan	4,000	-	750.0	14.0
	City Wide	5302083001	HSR Expansion Buses - Modal Split	6,400	-	1,188.0	21.0
	City Wide	5302083100	HSR Bus Replacement Program	13,528	-	-	-
	City Wide	5302083101	Active Transportation Connections	900	-	-	-
	Transit Services Total:			149,828	18,589	8,438.0	56.0
	<u>Public Works Tax Funded Total:</u>			149,828	18,589	8,438.0	56.0
	<u>Total Previously Approved Projects:</u>			153,647	18,589	8,438.0	56.0

Previously Approved 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
Not-Included						
<u>City Manager</u>						
Human Resources						
City Wide	2052059002	Harassment & Discrimination Case Management System	200	200	-	-
Human Resources Total:			200	200	-	-
<u>City Manager Total:</u>			200	200	-	-
<u>Corporate Services</u>						
Customer Service & POA						
City Wide	2052057001	Security Enhancements	750	750	-	-
5	2052057003	POA - 3rd Floor Finishing Unserviced Space	737	-	196.3	1.5
Customer Service & POA Total:			1,487	750	196.3	1.5
Information Technology (IT)						
City Wide	3501657602	IT Security	192	192	-	-
City Wide	3501957907	Business Systems and Services Continuity Plan	120	120	110.0	1.0
City Wide	3502057202	IT Asset Management Program	150	150	357.0	2.0
City Wide	3502057201	Technology Roadmap - Financial Systems	150	150	-	-
Information Technology (IT) Total:			612	612	467.0	3.0
<u>Corporate Services Total:</u>			2,099	1,362	663.3	4.5
<u>Council Initiatives</u>						
Council Strategic Projects						
City Wide	9902008800	Council Initiated Strategic Projects	2,000	2,000	-	-
Council Strategic Projects Total:			2,000	2,000	-	-
<u>Council Initiatives Total:</u>			2,000	2,000	-	-
<u>Healthy and Safe Communities</u>						
Hamilton Paramedic Service						
City Wide	7642051103	Ambulance Enhancement	270	-	1,386.0	10.0
Hamilton Paramedic Service Total:			270	-	1,386.0	10.0
Public Health						
City Wide	6772051100	Vaccine Refrigerator Replacement	199	199	-	-
Public Health Total:			199	199	-	-
<u>Healthy and Safe Communities Total:</u>			469	199	-	-
<u>Outside Boards & Agencies</u>						
Hamilton Public Library						
City Wide	7502041100	Branch Refresh Project	200	200	-	-
Hamilton Public Library Total:			200	200	-	-
Police Services						
City Wide	3762055001	Space Feasibility Study	500	-	-	-
Police Services Total:			500	-	-	-
<u>Outside Boards & Agencies Total:</u>			700	200	-	-
<u>Planning & Economic Development</u>						
Economic Development						
City Wide	3621708900	Economic Development Initiatives	2,000	2,000	-	-
Economic Development Total:			2,000	2,000	-	-
Planning Services						
City Wide	8122059200	Natural Areas Acquisition Fund	300	300	-	-
Planning Services Total:			300	300	-	-
Tourism & Culture						
12	7202041205	Fieldcote Museum Expansion	500	500	-	-
2	7202041000	Visitor Centre Upgrades	30	30	-	-
Tourism & Culture Total:			530	530	-	-
<u>Planning & Economic Development Total:</u>			2,830	2,830	-	-

Not-Included 2020 Capital Projects

Not-Included 2020 Capital Projects

2020 Tax Supported Capital Projects Listings including Operating Impacts of Capital Recommended, Previously Approved and Not-Included

Ward	Project	Project Description	Gross Budget (\$000's)	Net Budget (\$000's)	Operating Costs (\$000's)	FTE'S (#)
<u>Public Works Tax Funded</u>						
Corporate Facilities						
	3542041004	Priority Roofs - Capital Lifecycle Renewal	5,800	5,800	-	-
City Wide	3542041003	Program - Paramedic (EMS) Station Facility Upgrade	100	100	-	-
City Wide	3542041631	Program - Facilities Security	900	900	-	-
2	3542049001	City Hall Forecourt Landscaping	750	750	15.0	-
Corporate Facilities Total:			7,550	7,550	15.0	-
O & M - Parks & Cemeteries						
City Wide	4402049103	Bocce Court Rehab Program	40	40	-	-
City Wide	4402018001	Vehicular Bridges	70	70	-	-
City Wide	4402018002	Pedestrian Bridge Replacement & Repair Program	108	108	-	-
City Wide	4402049503	Cemetery Development - Green Burial	120	120	53.0	0.5
City Wide	4402049505	Cemeteries Foundations Study	50	50	-	-
City Wide	4402049501	Gateway Replacement - Hamilton Cemetery	70	70	-	-
City Wide	4402051501	Sportsfield Irrigation System Lifecycle Replacements	100	100	5.0	-
City Wide	4402049009	Sport Lighting	600	600	-	-
City Wide	4402049510	Spraypad Infrastructure Rehabilitation Program	70	70	-	-
City Wide	4402049100	Stair Replacement and Repair Program	130	130	-	-
City Wide	4402052601	Playground Lifecycle Replacement Program	560	560	-	-
City Wide	4402045800	Urban Park Parking Lot Paving Program	320	320	-	-
5	4402051902	Confederation Beach Park - Capital Maintenance Program	110	110	-	-
City Wide	4402055501	IPHC Program Equipment Purchases	565	565	-	-
City Wide	4402049003	Backflow Prevention for Various Parks Facilities	540	540	-	-
City Wide	4402049502	Flagpole Replacement & Repairs Program	100	100	-	-
City Wide	4402049504	Parkland Identification and Way Finding Signage	20	20	-	-
City Wide	4402049612	Cemetery ID Sign Program	120	120	-	-
15	4402049006	Millgrove Drainage & Repair	75	75	-	-
City Wide	4402049102	Sports Field Rehab Program	60	60	-	-
City Wide	4402049607	Outdoor Ice Rink Program	60	60	4.0	-
City Wide	4402049610	Park Bleacher Replacement Program	100	100	-	-
City Wide	4402054699	Tennis and Multi -use Court Rehabilitation Program	300	300	-	-
O & M - Parks & Cemeteries Total:			4,288	4,288	52.0	0.5
Open Space Development						
3	4401756702	Fallen Firefighter's Memorial	900	900	19.0	0.1
6	4401856819	Albion Falls - Waterfalls Viewing	1,900	869	36.0	0.3
6, 7	4402056007	Mountain Drive Park Spray Pad	732	732	12.0	-
City Wide	4402056006	Rail Trail Improvements	130	130	-	-
City Wide	4402055002	East Hamilton Mountain Bike Trails Study	150	150	-	-
Open Space Development Total:			3,812	2,781	67.0	0.4
Recreation Facilities						
10	7102054001	Kiwanis Community Centre Roof & HVAC (Stoney Creek)	120	120	-	-
Recreation Facilities Total:			120	120	-	-
Roads						
<u>Urban Rehabilitation Program</u>						
1	4032011015	Aberdeen - Longwood to Queen	1,170	1,170	-	-
4	4032011019	Cannon - Kenilworth to Ottawa	490	490	-	-
<u>Urban Rehabilitation Program Total:</u>			<u>1,660</u>	<u>1,660</u>	<u>-</u>	<u>-</u>
Roads Total:			1,660	1,660	-	-
Transit Services						
City Wide	5301985901	Transit Terminal Development	490	490	-	-
Transit Services Total:			490	490	-	-
Public Works Tax Funded Total:			17,920	16,889	134.0	0.9
Total Not-Included Projects:			26,218	23,680	2,183.3	15.4

Not-Included 2020 Capital Projects

Not-Included 2020 Capital Projects

**2020-2029
Affordable/
Unaffordable
Capital
Forecast**

**CITY OF HAMILTON
2020-2029 CAPITAL BUDGET FINANCING PLAN
TAX SUPPORTED PROGRAM - AFFORDABLE / UNAFFORDABLE
(\$ 000'S)**

Year	Projected Gross Cost \$	Affordable Gross Cost \$	Subsidy/ Other Revenue \$	Federal Gas Tax \$	Dev't Charges \$	Reserves/ & Internal Sources \$	FINANCING SOURCES	
							Tax Budget \$	Debt \$
Prior year Approved								
2019	244,765	227,120	7,522	32,576	32,405	80,246	70,538	3,833
2020	423,892	399,674	123,238	29,576	58,616	72,488	84,237	31,519
2021	548,220	470,175	153,712	34,057	109,325	58,844	81,710	32,527
2022	322,164	284,547	55,461	34,057	33,430	40,106	89,799	31,695
2023	272,296	263,418	28,210	35,537	52,796	31,366	97,504	18,005
2024	299,899	288,183	29,477	35,537	56,862	31,437	102,687	32,184
2025	256,569	255,328	29,779	35,537	27,593	32,368	106,901	23,150
2026	330,736	269,470	18,399	35,537	35,813	25,674	113,805	40,242
2027	334,970	264,840	7,000	35,537	20,525	36,576	117,768	47,434
2028	339,648	290,353	7,000	35,537	44,097	38,524	119,128	46,067
2029	297,525	266,453	7,000	35,537	36,373	54,136	122,370	11,037
TOTAL	3,670,683	3,279,562	466,798	379,025	507,835	501,764	1,106,448	317,693

Discretionary Tax Supported Net Capital Funding 2020 - 2029 Forecast

Sources of Funding (Net) (\$000's)	2019 Restated	2020 Approved	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	Totals 2020-2029
Sustainable Funding Sources												
Contribution from Operating	70,538	82,237	81,710	89,799	97,504	102,687	106,901	113,805	117,768	119,128	122,370	1,033,910
HUC/Alectra Dividends	2,000	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	23,000
HUC/Alectra Dividends - Poverty reduction	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	-	-	24,000
Future Fund - Poverty Reduction	4,000	4,000	4,000	-	-	-	-	-	-	-	-	8,000
Federal Gas Tax	32,576	29,576	34,057	34,057	35,537	35,537	35,537	35,537	35,537	35,537	35,537	346,449
Previous Yrs. Capital Financing Surplus	5,000	4,800	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	22,800
Total Sustainable Funding Sources	117,114	125,913	127,067	131,156	140,341	145,524	149,738	156,642	160,605	158,965	162,207	1,458,159
Non-Sustainable Funding Sources												
Unallocated / Other Capital Reserve	2,500	-	-	-	-	-	-	-	-	-	-	-
Total Non-Sustainable Funding Sources	2,500	-										
Total New External Debt (Principal)	3,833	31,519	32,527	31,695	18,005	32,184	23,150	40,242	47,434	46,067	11,037	313,860
Total Funding (Net)	123,447	157,432	159,594	162,851	158,347	177,707	172,888	196,884	208,039	205,032	173,244	1,772,019
Net Capital Funding (Block Funding)												
(\$000's)	2019 Restated	2020 Approved	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	Totals 2020-2029
Corporate Services	286	202	90	90	90	90	90	90	90	90	90	1,012
Information Technology	1,815	983	800	800	-	-	-	-	-	-	-	2,583
Corporate Facilities	4,860	4,745	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	4,583	45,992
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
DC exemptions	6,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	85,000
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
Economic Development Initiatives	765	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	18,000
Entertainment Facilities	800	800	800	800	800	800	800	800	800	800	800	8,000
Fire / Paramedic Services	982	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000
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
Health and Safe Communities - Other Div	318	160	160	160	160	160	160	160	160	160	160	1,600
Housing Services	7,500	7,500	7,500	3,500	3,500	3,500	3,500	3,500	3,500	500	500	37,000
Long Term Care Facilities	500	752	500	500	500	500	500	500	500	500	500	5,252
Park Development (New/Expansion)	3,398	2,503	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	3,241	31,672
Park's Operations	1,658	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	1,138	11,380
Parkland Acquisition	1,500	2,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	16,000
Planning / Development	633	543	130	130	130	130	130	130	130	130	130	1,713
Recreation Facilities	4,616	4,695	4,580	4,580	4,580	4,580	4,580	4,580	5,100	5,100	5,100	47,475
Roads / Bridges / Sidewalk / Street Lighting / Traffic	56,215	59,189	60,883	63,319	65,852	68,486	71,225	74,074	77,037	80,119	83,323	703,506
Block Funding Total	97,603	100,467	102,662	101,098	102,831	105,465	108,204	111,053	114,536	114,618	117,822	1,078,755
Net Capital Funding (Major Capital)												
(\$000's)	2019 Restated	2020 Approved	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	Totals 2019-2029
Ash Borer	2,600	2,600	2,600	2,600	-	-	-	-	-	-	-	7,800
City Manager/Human Resources	1,375	200	-	-	-	-	-	-	-	-	-	200
Provision for ICIP	-	5,000	-	-	-	-	-	-	-	-	-	5,000
Provision for in-year S.O.G.R/Boards & Agencies	-	414	(3,060)	(168)	26,680	29,887	26,728	(28,893)	(37,209)	8,489	34,915	57,783
National Housing Strategy	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000
Randle Reef	375	375	375	-	-	-	-	-	-	-	-	750
Transit & ICIP	5,111	18,901	22,535	13,045	4,133	3,797	200	200	8,725	3,900	3,900	79,336
Waste Management	3,468	7,495	5,142	20,221	3,331	3,142	3,125	100,482	102,052	59,459	3,070	307,519
West Harbour Development	8,210	7,450	9,020	11,930	7,472	21,168	650	242	700	-	-1,037	59,669
Major Capital Initiatives Total	21,139	52,435	46,612	57,628	51,616	67,994	40,703	82,031	84,268	81,848	52,922	618,057
Total Block & Major Capital	118,742	152,902	149,273	158,726	154,447	173,458	148,907	193,084	198,805	196,465	170,744	1,696,812
Net Capital Funding (Boards & Agencies)												
(\$000's)	2019 Restated	2020 Approved	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	Totals 2020-2029
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	720	750	3,451	-	-	349	-	-	6,734	6,067	-	17,351
Police Services	1,485	1,280	4,370	1,625	1,400	1,400	21,481	1,300	-	-	-	32,856
Boards & Agencies Total	4,705	4,530	10,321	4,125	3,900	4,249	23,981	3,800	9,234	8,567	2,500	75,207
Total Expenditures (Net of Surplus/Shortfall)	123,447	157,432	159,594	162,851	158,347	177,707	172,888	196,884	208,039	205,032	173,244	1,772,019
Unallocated - Surplus/Shortfall	-											
Total Expenditures (Net of Surplus/Shortfall)	123,447	157,432	159,594	162,851	158,347	177,707	172,888	196,884	208,039	205,032	173,244	1,772,019
Less: Previously Approved	-	(18,589)	-									
Net Capital Funding Requiring Approval	123,447	138,843	159,594	162,851	158,347	177,707	172,888	196,884	208,039	205,032	173,244	1,772,019
Net Capital Funding Available	-											

2020-2029 Capital Projects By Ward

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 1**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 1 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
<u>Total Council Initiatives</u>												
	100	100	100	100	100	100	100	100	100	0		
<u>Tourism & Culture</u>												
Dundurn Interior Restoration	100	70	97	0	55	0	0	0	0	0	2020	Ongoing
Dundurn Exterior Pathways	75	0	0	0	0	0	0	0	0	0	2020	2022
Dundurn Kitchen Renovation	80	0	0	0	0	0	0	0	0	0	2020	2022
Dundurn HVAC Replacement	0	450	500	0	0	0	0	0	0	0	2021	2023
Dundurn Gardener's Cottage Restoration	0	90	0	157	672	0	0	0	0	0	2021	Ongoing
Sub - Total Tourism & Culture	255	610	597	157	727	0	0	0	0	0		
<u>Total Planning & Economic Development</u>												
	255	610	597	157	727	0	0	0	0	0		
<u>Open Space Development</u>												
Churchill Park Master Plan Implementation Phase 2	0	0	1,166	0	1,876	0	0	0	0	0	2010	2024
Alexander Park Skate Park	0	1,843	1,600	0	0	0	0	0	0	0	2019	2022
HAAA - Implementation of Master Plan	0	1,307	0	1,100	0	875	0	0	0	0	2019	2025
Strathcona Pedestrian Bridge	0	0	0	0	0	0	0	0	418	6,618	2028	2029
Sub - Total Open Space Development	0	3,150	2,766	1,100	1,876	875	0	0	418	6,618		
<u>Recreation Facilities</u>												
Victoria Park Outdoor Pool - Redevelopment	300	0	3,200	0	0	0	0	0	0	0	2020	2022
Alexander Park Community Hub Feasibility	330	3,520	0	0	0	0	0	0	0	0	2020	2021
Ryerson Recreation Centre - Refurbishing	0	0	0	0	0	0	300	2,200	0	0	2026	2027
Sub - Total Recreation Facilities	630	3,520	3,200	0	0	0	300	2,200	0	0		
<u>Roads</u>												
Council Priority - Ward 1 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Marion - King to Dromore	140	140	500	0	0	0	0	0	0	0	2020	2022
Hillcrest - Chedoke to end	260	0	0	0	0	0	0	0	0	0	2020	2020
Jones / Oxford / Tecumseh (Strathcona Neighbourhood)	0	140	140	1,220	0	0	0	0	0	0	2021	2023
Carling / Macklin St S / Olmstead / Tope (Westdale South)	0	0	140	140	1,350	0	0	0	0	0	2022	2024
Florence/Head/Morden/Napier/Nelson/Peel/Wellesley (Strathcona Neighbourhood)	0	0	0	140	140	1,840	0	0	0	0	2023	2025
Asset Preservation - Strathcona Neighbourhood	0	0	0	0	0	0	720	0	0	0	2026	2026

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD 1**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Asset Preservation - Westdale South Neighbourhood (South Section)	0	0	0	0	0	0	2,610	0	0	0	2026	2026
<i>Sub - Total Roads</i>	580	460	960	1,680	1,670	2,020	3,510	180	180	180		
<i>Total Public Works Tax Funded</i>	1,210	7,130	6,926	2,780	3,546	2,895	3,810	2,380	598	6,798		
<i>Total Ward 1</i>	1,565	7,840	7,623	3,037	4,373	2,995	3,910	2,480	698	6,798		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 2**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 2 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
<u>Total Council Initiatives</u>												
	100	100	100	100	100	100	100	100	100	0		
<u>Tourism & Culture</u>												
Whitehern Museum Masonry Repairs	100	0	0	0	0	0	0	0	0	0	2020	2022
St. Mark's Interior Restoration	0	0	0	0	0	75	0	200	0	0	2017	2025
Whitehern Plaster Repair	0	115	0	0	0	0	0	0	0	0	2021	2023
Sub - Total Tourism & Culture	100	115	0	0	0	75	0	200	0	0		
<u>Total Planning & Economic Development</u>												
	100	115	0	0	0	75	0	200	0	0		
<u>Corporate Facilities</u>												
City Hall Garage Roof Slab Structural Rehabilitation	140	770	770	0	0	0	0	0	0	0	2020	2022
City Hall 5th & 6th Floor Renovations	295	0	0	0	0	0	0	0	0	0	2020	2020
Capital Lifecycle Renewal - Hamilton Farmer's Market	0	1,970	0	0	0	0	0	0	0	0	2019	2021
City Hall 1st Floor Renovations	0	360	0	0	0	0	0	0	0	0	2021	2021
125 Barton - Yard Relocation Accommodation	0	0	0	0	0	0	0	6,600	0	0	2027	2027
Sub - Total Corporate Facilities	435	3,100	770	0	0	0	0	6,600	0	0		
<u>Entertainment Facilities</u>												
Program HCC, FOCH & FOC Lifecycle Renewal	700	800	800	800	800	800	800	800	800	800	2020	Ongoing
Commonwealth Square Timber Railing Replacement	100	400	0	0	0	0	0	0	0	0	2020	2021
Program FirstOntario Concert Hall Replacements and Renovations	100	0	0	0	0	0	0	0	0	0	2018	2020
Commonwealth Square Paver Rehabilitation	0	2,400	0	0	0	0	0	0	0	0	2021	2021
First Ontario Courtyard	0	168	0	0	0	0	0	0	0	0	2021	2021
FOC Capital Lifecycle Renewal	0	7,300	7,000	8,000	7,000	5,000	8,500	8,400	8,400	8,400	2020	Ongoing
Sub - Total Entertainment Facilities	900	11,068	7,800	8,800	7,800	5,800	9,300	9,200	9,200	9,200		
<u>Open Space Development</u>												
Beasley Park Rehabilitation Phase 2 - Kelly Street Pedestrianization	550	0	0	0	0	0	0	0	0	0	2020	2020
Gore Master Plan (Open Space Development Blk)	0	1,800	0	0	0	0	0	0	0	0	2016	2021
Eastwood Park Redevelopment	0	800	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Open Space Development	550	2,600	0									

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 2**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Recreation Facilities												
Parks North Yard at Bayfront Park	1,000	0	0	0	0	0	0	0	0	0	2018	2020
Freon Upgrades at Eastwood Arena	0	1,200	0	0	0	0	0	0	0	0	2021	2021
Bennetto Recreation Centre - Retrofit	0	0	0	0	0	0	0	0	6,400	0	2028	2028
Sub - Total Recreation Facilities	1,000	1,200	0	0	0	0	0	0	6,400	0		
Roads												
Strachan - James to east end	90	1,030	0	0	0	0	0	0	0	0	2019	2021
Council Priority - Ward 2 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Asset Preservation - Central Neighbourhood	560	0	0	0	0	0	0	0	0	0	2020	2020
Hughson - King to King William - New Sidewalk	150	0	0	0	0	0	0	0	0	0	2020	2020
Burlington - James to Ferguson	0	0	990	0	0	0	0	0	0	0	2022	2022
Jame - St. James Place to Herkimer	0	0	0	0	140	0	0	0	0	0	2024	2024
Ferguson/Foster/Walnut/Patrick	0	0	0	0	340	0	0	0	0	0	2024	2024
Sub - Total Roads	980	1,210	1,170	180	660	180	180	180	180	180		
Transit Services												
Renaming the MacNab Terminal	37	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Transit Services	37	0	0	0	0	0	0	0	0	0		
West Harbour & Waterfront Strategic Initiatives												
Pier 5-7 Marina Shoreline Rehab	1,500	1,200	0	0	0	0	0	0	0	0	2015	2021
Pier 5-7 Boardwalk	4,500	4,800	4,000	0	0	0	0	0	0	0	2016	2022
Macassa Bay Shoreline Improvements	700	0	2,750	0	0	0	0	0	0	0	2018	2022
Macassa Bay Boardwalk and Trail	750	0	3,000	0	0	0	0	0	0	0	2018	2022
Pier 8 - Utilities	2,750	0	0	0	0	0	0	0	0	0	2020	2020
Pier 6 Artisan Village	0	600	0	3,000	0	0	0	0	0	0	2016	2023
West Harbour Public Art	0	160	120	0	0	0	0	0	0	0	2018	2022
Bayfront Park Upgrades Ph 2 (Washrooms/Concessions)	0	1,260	0	0	0	0	0	0	0	0	2021	2021
Pier 8 - Streetscaping	0	1,000	0	600	0	650	0	700	0	750	2021	2029
Police Marine Facility Replacement	0	0	5,150	0	0	0	0	0	0	0	2022	2022
Pier 8 Greenway	0	0	0	450	0	0	525	0	0	625	2023	2029
West Harbour Parking Garage	0	0	0	4,900	28,300	0	0	0	0	0	2023	2024
Sub - Total West Harbour & Waterfront Strate	10,200	9,020	15,020	8,950	28,300	650	525	700	0	1,375		
Total Public Works Tax Funded	14,102	28,198	24,760	17,930	36,760	6,630	10,005	16,680	15,780	10,755		
Total Ward 2	14,302	28,413	24,860	18,030	36,860	6,805	10,105	16,980	15,880	10,755		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 3**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 3 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives	100	100	100	100	100	100	100	100	100	0		
<u>Tourism & Culture</u>												
Children's Museum Expansion Phase 2	700	562	400	400	0	0	0	0	0	0	2020	2022
Sub - Total Tourism & Culture	700	562	400	400	0	0	0	0	0	0		
Total Planning & Economic Development	700	562	400	400	0	0	0	0	0	0		
<u>Open Space Development</u>												
Gage Park Redevelopment	0	30	1,750	0	0	0	0	0	0	0	2012	2022
Stadium Precinct Community Park	0	7,100	0	0	0	0	0	0	0	0	2021	2021
Powell Park	0	0	0	0	300	0	0	0	0	0	2024	2024
Sub - Total Open Space Development	0	7,130	1,750	0	300	0	0	0	0	0		
<u>Recreation Facilities</u>												
Scott Park - Bernie Morelli Recreation Centre (BMRC-NSC)	850	0	0	0	0	0	0	0	0	0	2012	2020
Pinky Lewis Recreation Centre Expansion Project	0	0	0	0	748	7,300	0	0	0	0	2009	2025
Stadium Precinct Park Fieldhouses & Washrooms	0	5,200	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Recreation Facilities	850	5,200	0	0	748	7,300	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 3 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Sherman Access East Retaining Wall Replacement	150	0	900	0	0	0	0	0	0	0	2019	2022
Sherman - King to south end	900	0	0	0	0	0	0	0	0	0	2020	2020
Wentworth - Wilson to King	120	0	0	0	0	0	0	0	0	0	2020	2020
Snow Disposal Site - Yard Improvements	250	100	0	0	0	0	0	0	0	0	2020	2021
Wilson - Victoria to Sherman Two-Way Conversion	300	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - Bernie Custis Secondary School Crosswalk - Cannon at Melrose Ave	300	0	0	0	0	0	0	0	0	0	2020	2020
Bridge 313 - Arkledun Ave (Jolley Cut), over Claremont Access	0	0	0	0	230	270	0	8,100	0	0	2018	2027
Barton - Sanford to Gage	0	1,390	0	0	0	0	0	0	0	0	2021	2021
Bridge 329 - Burlington St E over Wilcox St	0	0	270	0	3,600	0	0	0	0	0	2022	2024
Burlington & Industrial - Birch to Gage	0	0	140	140	4,680	0	0	0	0	0	2022	2024
Wilson - Wentworth to Sherman	0	0	0	140	140	2,070	0	0	0	0	2023	2025

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 3**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Sanford - Main to Cannon	0	0	0	0	0	140	1,330	0	0	0	2025	2026
Industrial - Ottawa to Gage / Gage / Depew	0	0	0	0	0	0	2,060	0	0	0	2026	2026
Asset Preservation - Industrial Sector A and B Neighbourhood	0	0	0	0	0	0	1,170	0	0	0	2026	2026
Sanford - Cannon to Barton	0	0	0	0	0	0	0	840	0	0	2027	2027
Charlton - Victoria to Cumberland	0	0	0	0	0	0	0	0	450	0	2028	2028
Wentworth - Charlton to King	0	0	0	0	0	0	0	0	720	0	2028	2028
Main - Wentworth to King	0	0	0	0	0	0	0	0	0	2,250	2029	2029
Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmure	0	0	0	0	0	0	0	0	0	1,800	2029	2029
Wentworth St Modifications	0	100	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Roads	2,200	1,770	1,490	460	8,830	2,660	4,740	9,120	1,350	4,230		
Total Public Works Tax Funded	3,050	14,100	3,240	460	9,878	9,960	4,740	9,120	1,350	4,230		
Total Ward 3	3,850	14,762	3,740	960	9,978	10,060	4,840	9,220	1,450	4,230		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 4**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 4 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives	100	100	100	100	100	100	100	100	100	0		
<u>Hamilton Public Library</u>												
Parkdale Landing	250	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Hamilton Public Library	250	0	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	250	0	0	0	0	0	0	0	0	0		
<u>Tourism & Culture</u>												
Steam Museum Keefer Steps Restoration	200	0	0	0	0	0	0	0	0	0	2020	2022
Steam Museum Building Expansion	0	0	0	90	0	525	425	0	0	0	2021	2026
Hamilton Steam Museum Exterior Improvements	0	200	0	0	0	0	0	0	0	0	2021	2023
Sub - Total Tourism & Culture	200	200	0	90	0	525	425	0	0	0		
Total Planning & Economic Development	200	200	0	90	0	525	425	0	0	0		
<u>Open Space Development</u>												
W4 Pipeline Trail	608	108	648	0	0	0	0	0	0	0	2016	2022
Roxborough Park Redevelopment	1,000	0	0	0	0	0	0	0	0	0	2020	2020
Kenilworth Parking Lot	250	0	0	0	0	0	0	0	0	0	2020	2020
McQuesten Urban Fitness Trail	200	0	0	0	0	0	0	0	0	0	2016	2020
Andrew Warburton Memorial Park	0	840	0	0	0	0	0	0	0	0	2019	2021
Rennie Street Works Yard - Proposed Park	0	500	0	0	0	0	0	0	0	0	2021	2021
Leaside Park Redevelopment	0	0	400	0	0	0	0	0	0	0	2022	2022
Sub - Total Open Space Development	2,058	1,448	1,048	0	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Parkdale Outdoor Pool Redevelopment & Expansion	400	200	0	0	0	0	0	0	0	0	2015	2021
Sir Winston Churchill Recreation Centre - Expansion & Renovation	0	0	0	0	0	0	0	0	6,400	0	2028	2028
Sub - Total Recreation Facilities	400	200	0	0	0	0	0	0	6,400	0		
<u>Roads</u>												
Council Priority - Ward 4 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 4**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Roads												
Barton - Parkdale to Talbot	90	3,780	0	0	0	0	0	0	0	0	2019	2021
Delena / Beland / Dunsmore	90	2,350	0	0	0	0	0	0	0	0	2019	2021
Roxborough - Kenilworth to Strathearne (Homeside Neighbourhood)	1,800	0	0	0	0	0	0	0	0	0	2019	2020
Main -Queenston Traffic Circle to Delena & Rosewood	1,890	0	0	0	0	0	0	0	0	0	2019	2020
Asset Preservation - Homeside Neighbourhood (South)	1,230	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - King at Kenilworth North Bound Off Ramp	250	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - Lawrence @ Kenilworth Ramp - 652 Lawrence Ave	250	0	0	0	0	0	0	0	0	0	2020	2020
A/R - Greenhill / Dundonald / Montrose / Erindale	2,130	0	0	0	0	0	0	0	0	0	2020	2020
Kenilworth - Barton to Main - Improvements	0	0	0	0	550	0	0	0	0	0	2019	2024
Bridge 327 - Burlington Street Overpass over Strathearne	0	270	0	4,680	0	0	0	0	0	0	2021	2023
Strathearne - Brampton to gate at north end	0	140	140	2,700	0	0	0	0	0	0	2021	2023
Brampton - Parkdale to Woodward	0	0	0	140	140	1,890	0	0	0	0	2023	2025
Beach - Ottawa to Kenilworth	0	0	0	0	0	400	0	0	0	0	2025	2025
Asset Preservation - Rosedale Neighbourhood	0	0	0	0	0	0	0	3,240	0	0	2027	2027
Burlington - Tire to MTO Limit (eastbound lanes)	0	0	0	0	0	0	0	0	1,080	0	2028	2028
King - Kenilworth to RHVP	0	0	0	0	0	0	0	0	2,160	0	2028	2028
Sub - Total Roads	7,910	6,720	320	7,700	870	2,470	180	3,420	3,420	180		
Total Public Works Tax Funded	10,368	8,368	1,368	7,700	870	2,470	180	3,420	9,820	180		
Total Ward 4	10,918	8,668	1,468	7,890	970	3,095	705	3,520	9,920	180		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 5**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 5 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives												
	100	100	100	100	100	100	100	100	100	0		
<u>Hamilton Public Library</u>												
East Hamilton Replace & Expand	0	0	0	0	0	0	0	0	8,500	0	2026	2027
Sub - Total Hamilton Public Library	0	0	0	0	0	0	0	0	8,500	0		
Total Outside Boards & Agencies												
	0	0	0	0	0	0	0	0	8,500	0		
<u>O & M - Parks & Cemeteries</u>												
Confederation Beach Park - Capital Maintenance Program	175	175	175	175	175	175	175	175	175	175	2020	Ongoing
Confederation Beach Park - Capital Maintenance Program	0	110	110	110	110	110	110	110	110	0	2020	Ongoing
Sub - Total O & M - Parks & Cemeteries	175	285	285	285	285	285	285	285	285	175		
<u>Open Space Development</u>												
Confederation Park Redevelopment	0	6,457	0	1,449	3,514	675	0	0	0	24,864	2013	2042
Nash Orchard Park	0	0	793	0	0	0	0	0	0	0	2015	2022
Sub - Total Open Space Development	0	6,457	793	1,449	3,514	675	0	0	0	24,864		
<u>Recreation Facilities</u>												
Riverdale Community Hub	2,000	19,000	0	0	0	0	0	0	0	0	2019	2021
Confederation Park Sports Park Buildings	5,950	500	0	0	0	0	0	0	0	0	2020	2020
Program - King's Forest Golf Course Improvements	0	6,042	0	0	0	0	0	0	0	0	2021	2021
Sir Wilfrid Laurier Gymnasium Addition.	0	7,550	500	0	0	0	0	0	0	0	2017	2021
Sub - Total Recreation Facilities	7,950	33,092	500	0	0	0	0	0	0	0		
<u>Roads</u>												
Bridge 407 - Queenston Rd, 320m e/o Lake Ave	210	0	0	0	0	0	0	0	0	0	2018	2020
Council Priority - Ward 5 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Bridge 048 - Jones St, 110m w/o King St E	150	0	680	0	0	0	0	0	0	0	2019	2022
Beach Boulevard - Woodward to Eastport	2,700	0	0	0	0	0	0	0	0	0	2020	2020
Galbraith / Second Street N	580	0	0	0	0	0	0	0	0	0	2020	2020
Bridge 452 - Centennial Pkwy, 990m n/o Ridge	320	0	0	270	0	0	5,940	0	0	0	2020	2026
Bridge 049 - Collegiate Ave, 30m w/o Donn Ave	0	0	30	150	0	450	0	0	0	0	2022	2025

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 5**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Lake Avenue - Queenston to Barton	0	0	140	140	3,060	0	0	0	0	0	2022	2024
South Service Rd - Centennial to Gray	0	0	0	1,760	0	0	0	0	0	0	2023	2023
Van Wagners Beach & Nash	0	0	0	720	0	0	0	0	0	0	2023	2023
Lake Avenue - Barton to South Service	0	0	0	140	140	1,710	0	0	0	0	2023	2025
Nash - Barton to Bancroft	0	0	0	0	320	0	0	0	0	0	2024	2024
Asset Preservation - Battlefield Neighbourhood	0	0	0	0	0	0	0	1,440	0	0	2027	2027
King - RHVP to Centennial	0	0	0	0	0	0	0	0	0	2,430	2029	2029
<i>Sub - Total Roads</i>	4,140	180	1,030	3,360	3,700	2,340	6,120	1,620	180	2,610		
<i>Total Public Works Tax Funded</i>	12,265	40,014	2,608	5,094	7,499	3,300	6,405	1,905	465	27,649		
<i>Total Ward 5</i>	12,365	40,114	2,708	5,194	7,599	3,400	6,505	2,005	9,065	27,649		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 6**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 6 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives												
	100	100	100	100	100	100	100	100	100	0		
<u>Hamilton Fire Department</u>												
Mechanical/Stores Relocation	0	1,500	4,257	4,257	2,128	0	0	0	0	0	2021	2025
Sub - Total Hamilton Fire Department	0	1,500	4,257	4,257	2,128	0	0	0	0	0		
<u>Hamilton Paramedic Service</u>												
Station 32 Renovation	300	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Hamilton Paramedic Service	300	0	0	0	0	0	0	0	0	0		
Total Healthy and Safe Communities												
	300	1,500	4,257	4,257	2,128	0	0	0	0	0		
<u>O & M - Parks & Cemeteries</u>												
Mohawk Sports Park – Bleachers & Shade Structure	150	295	0	0	0	0	0	0	0	0	2020	2020
Sub - Total O & M - Parks & Cemeteries	150	295	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Mohawk Sports Park Masterplan	90	560	0	0	0	0	0	0	0	0	2020	2021
Broughton Park Upgrades	0	100	700	0	0	0	0	0	0	0	2021	2022
Open Space Replacement Strategy - Acquisitions	0	0	648	0	0	300	0	0	0	0	2022	2025
Sub - Total Open Space Development	90	660	1,348	0	0	300	0	0	0	0		
<u>Recreation Facilities</u>												
Bernie Arbour Stadium - Upgrades	0	150	150	150	0	0	0	0	0	0	2016	2023
Huntington Park Recreation Centre Retrofit Phase 2	0	740	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Recreation Facilities	0	890	150	150	0	0	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 6 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Rymal Sidewalk - Upper Sherman to Eva (north side)	50	0	0	0	0	0	0	0	0	0	2020	2020
A/R - Quinn / Ridley / Quail / Quaker	900	0	0	0	0	0	0	0	0	0	2020	2020
A/R - Trenholme / Solomon	1,440	0	0	0	0	0	0	0	0	0	2020	2020

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 6**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Roads												
Concession / Mountain Brow - Upper Gage to Oakcrest	0	0	2,700	0	0	0	0	0	0	0	2022	2022
Nebo - Rymal to Stone Church	0	0	640	0	0	0	0	0	0	0	2022	2022
Rymal - Upper Ottawa to Dartnall	0	0	180	540	3,330	0	0	0	0	0	2022	2024
Rymal - Upper Gage to Upper Ottawa	0	0	0	180	540	2,970	0	0	0	0	2023	2025
Mohawk - Upper Kenilworth to Mountain Brow	0	0	0	0	500	0	0	0	0	0	2024	2024
Upper Kenilworth - Mohawk to Limeridge	0	0	0	0	0	1,170	0	0	0	0	2025	2025
Asset Preservation - Trenholme Neighbourhood	0	0	0	0	0	2,450	0	0	0	0	2025	2025
Upper Ottawa - Stone Church to Reno	0	0	0	0	0	0	1,670	0	0	0	2026	2026
Stone Church - Upper Sherman to Upper Ottawa	0	0	0	0	0	0	1,350	0	0	0	2026	2026
Bruce Dale - Upper Gage to Upper Ottawa	0	0	0	0	0	0	760	0	0	0	2026	2026
Mountain Brow Blvd - Mohawk to Limeridge	0	0	0	0	0	0	0	860	0	0	2027	2027
Stone Church - Upper Ottawa to Dartnall	0	0	0	0	0	0	0	0	0	680	2029	2029
A/R - Carson / Landron	0	1,020	0	0	0	0	0	0	0	0	2021	2021
A/R - East 43rd - Fennell to Queensdale	0	600	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Roads	2,570	1,800	3,700	900	4,550	6,770	3,960	1,040	180	860		
Total Public Works Tax Funded	2,810	3,645	5,198	1,050	4,550	7,070	3,960	1,040	180	860		
Total Ward 6	3,210	5,245	9,555	5,407	6,778	7,170	4,060	1,140	280	860		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 7**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 7 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives	100	100	100	100	100	100	100	100	100	0		
<u>Open Space Development</u>												
HRTMP Initiative 7-1 - Limeridge Mall Hydro Corridor Trail	0	540	622	0	0	0	0	0	0	0	2019	2022
Eastmount Park Spray Pad Redevelopment	0	0	66	500	0	0	0	0	0	0	2022	2023
Tennis Court Improvements	0	0	0	0	0	0	0	200	0	0	2027	2027
Billy Sherring	0	0	0	0	0	0	0	2,452	0	0	2027	2027
Sub - Total Open Space Development	0	540	688	500	0	0	0	2,652	0	0		
<u>Recreation Facilities</u>												
Sackville Hill Senior Expansion & Lifecycle Renewal	0	0	0	0	0	0	14,300	0	0	0	2019	2026
Turner Park - Parking Lot	0	550	550	0	0	0	0	0	0	0	2021	2022
Sub - Total Recreation Facilities	0	550	550	0	0	0	14,300	0	0	0		
<u>Roads</u>												
Council Priority - Ward 7 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
District South - Outside Yard Electrical Upgrades	120	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - Rymal Road at Arrowhead Drive	180	0	0	0	0	0	0	0	0	0	2020	2020
A/R - Eastmount Neighbourhood	1,920	0	0	0	0	0	0	0	0	0	2020	2020
Upper Wentworth - LINC to Mohawk	0	0	0	1,440	0	0	0	0	0	0	2023	2023
Upper Wentworth - Fennell to Mohawk	0	0	0	630	0	0	0	0	0	0	2023	2023
Rymal - Upper Wentworth to Upper Sherman	0	0	0	0	0	180	540	2,880	0	0	2025	2027
Rymal - Upper Wellington to Upper Wentworth	0	0	0	0	0	0	180	540	2,970	0	2026	2028
Fennell - Upper Wentworth to Upper Sherman	0	0	0	0	0	0	0	590	0	0	2027	2027
Upper Sherman - LINC to Mohawk	0	0	0	0	0	0	0	0	800	0	2028	2028
Sub - Total Roads	2,400	180	180	2,250	180	360	900	4,190	3,950	180		
Total Public Works Tax Funded	2,400	1,270	1,418	2,750	180	360	15,200	6,842	3,950	180		
Total Ward 7	2,500	1,370	1,518	2,850	280	460	15,300	6,942	4,050	180		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 8**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 8 Capital Reinvestment	100	100	100	100	100	100	100	100	100	0	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	0		
Total Council Initiatives	100	100	100	100	100	100	100	100	100	0		
<u>Tourism & Culture</u>												
Auchmar Coach House Wall and Dovecote Repair	0	1,000	0	0	0	0	0	0	0	0	2021	2023
Sub - Total Tourism & Culture	0	1,000	0	0	0	0	0	0	0	0		
Total Planning & Economic Development	0	1,000	0	0	0	0	0	0	0	0		
<u>Energy Initiatives</u>												
2020 Westmount Recreation Centre - DHW Solar Thermal	158	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Energy Initiatives	158	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Southam Park Master Plan	90	60	0	1,058	0	0	0	0	0	0	2020	2023
Gourley Park Spray Pad Redevelopment	0	0	66	500	0	0	0	0	0	0	2022	2023
William Connell Phase 3	0	0	1,200	0	0	0	0	0	0	0	2022	2022
Sub - Total Open Space Development	90	60	1,266	1,558	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Ward 8 Ice Loop	0	0	0	0	0	0	0	0	4,360	0	2028	2028
Sub - Total Recreation Facilities	0	0	0	0	0	0	0	0	4,360	0		
<u>Roads</u>												
Council Priority - Ward 8 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
New Traffic Signal - Stone Church at Chesley	130	0	0	0	0	0	0	0	0	0	2020	2020
Upper James - Mohawk to Fennell	0	0	90	200	3,780	0	0	0	0	0	2022	2024
Rymal - Upper James to Upper Wellington	0	0	180	540	3,060	0	0	0	0	0	2022	2024
Fennell - Upper James to Upper Wellington	0	0	0	2,610	0	0	0	0	0	0	2023	2023
Fennell - Garth to 200m e/o Governors and West 4th to Upper James	0	0	0	910	0	0	0	0	0	0	2023	2023
Asset Preservation - Bonnington Neighbourhood	0	0	0	2,340	0	0	0	0	0	0	2023	2023
West 5th - Rymal to Stone Church (SMA)	0	0	0	100	100	2,100	0	0	0	0	2023	2025
Asset Preservation - Rolston Neighbourhood (North Section)	0	0	0	0	0	0	2,070	0	0	0	2026	2026

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 8**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Asset Preservation - Rolston Neighbourhood (South Section)	0	0	0	0	0	0	0	3,240	0	0	2027	2027
<i>Sub - Total Roads</i>	310	180	450	6,880	7,120	2,280	2,250	3,420	180	180		
<i>Total Public Works Tax Funded</i>	558	240	1,716	8,438	7,120	2,280	2,250	3,420	4,540	180		
<i>Total Ward 8</i>	658	1,340	1,816	8,538	7,220	2,380	2,350	3,520	4,640	180		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 9**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Fire Department</u>												
Upper Stoney Creek New Station	0	0	0	8,432	1,944	0	0	0	0	0	2023	2025
Sub - Total Hamilton Fire Department	0	0	0	8,432	1,944	0	0	0	0	0		
Total Healthy and Safe Communities	0	0	0	8,432	1,944	0	0	0	0	0		
<u>Tourism & Culture</u>												
Gage House Window Restoration	100	0	0	0	0	0	0	0	0	0	2020	2022
Sub - Total Tourism & Culture	100	0	0	0	0	0	0	0	0	0		
Total Planning & Economic Development	100	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Cline Park Redevelopment	724	0	0	0	0	0	0	0	0	0	2018	2020
Highland Road Park (Proposed) - Central Park Development	776	0	0	0	0	0	0	0	0	0	2020	2020
Summit Phase 10 (Parkette)	374	0	0	0	0	0	0	0	0	0	2020	2020
Heritage Green Community Sports Park Implementation	0	300	1,900	0	0	0	0	0	0	0	2015	2022
Highbury Meadows North Park (Proposed)	0	623	0	0	0	0	0	0	0	0	2018	2021
Brooks @ Rymal Park (Proposed) - Summit Ph 10 Development	0	0	882	0	0	0	0	0	0	0	2022	2022
The Crossings Park (Proposed)	0	0	0	650	0	0	0	0	0	0	2023	2023
Sub - Total Open Space Development	1,874	923	2,782	650	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Valley Park Community Centre Fit-up	600	400	0	0	0	0	0	0	0	0	2017	2021
Sub - Total Recreation Facilities	600	400	0	0	0	0	0	0	0	0		
<u>Roads</u>												
Rymal - Fletcher to Upper Centennial	10,890	0	0	0	0	0	0	0	0	0	2015	2020
Bridge 150 - Tapleystown Rd, 550m n/o Green Mountain Rd E	140	0	0	0	0	0	0	0	0	0	2018	2020
Bridge 366 - Mud St W, 320m e/o Paramount Dr	80	0	0	0	0	0	0	0	0	0	2018	2020
Council Priority - Ward 9 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Mud - Paramount to Upper Centennial Parkway	2,610	0	0	0	0	0	0	0	0	0	2020	2020
Paramount - Atlas to Old Mud	0	1,800	0	0	0	0	0	0	0	0	2021	2021
Highland Rd W - Winterberry to Glenhollow	0	0	370	0	0	0	0	0	0	0	2022	2022
Highland Rd W - First Rd W to Upper Centennial	0	0	560	0	0	0	0	0	0	0	2022	2022
Mud - Winterberry to Paramount	0	0	0	0	1,210	0	0	0	0	0	2024	2024
Paramount - Winterberry to Mud (south side of Mud)	0	0	0	900	0	0	0	0	0	0	2023	2023

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD 9**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Upper Centennial – Rymal to Mud	0	0	0	0	1,450	0	0	0	0	0	2024	2024
Upper Centennial Pkwy - Mud to Green Mountain	0	0	0	0	640	0	0	0	0	0	2024	2024
<i>Sub - Total Roads</i>	13,900	1,980	1,110	1,080	3,480	180	180	180	180	180		
<i>Total Public Works Tax Funded</i>	16,374	3,303	3,892	1,730	3,480	180	180	180	180	180		
<i>Total Ward 9</i>	16,474	3,303	3,892	10,162	5,424	180	180	180	180	180		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 10**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Fire Department</u>												
Winona Station Renovation	0	0	0	1,757	1,668	0	0	0	0	0	2023	2025
Sub - Total Hamilton Fire Department	0	0	0	1,757	1,668	0	0	0	0	0		
Total Healthy and Safe Communities	0	0	0	1,757	1,668	0	0	0	0	0		
<u>Corporate Facilities</u>												
Stoney Creek City Hall -RCMP Lease Capital Replacement	210	210	210	210	210	210	210	210	210	210	2020	Ongoing
Sub - Total Corporate Facilities	210	210	210	210	210	210	210	210	210	210		
<u>Open Space Development</u>												
Waterford Park	1,200	0	0	0	0	0	0	0	0	0	2020	2020
Lewis Road Park (Winona)	0	100	0	600	0	0	0	0	0	0	2021	2023
Fruitland/Winona Community Parkland	0	3,800	0	1,237	0	0	0	0	0	0	2021	2023
Hunter Estates Park Sun Shelter	0	0	0	0	0	80	0	0	0	0	2025	2025
Sub - Total Open Space Development	1,200	3,900	0	1,837	0	80	0	0	0	0		
<u>Recreation Facilities</u>												
Winona Recreation Centre Feasibility (New)	0	0	2,500	24,000	0	0	0	0	0	0	2019	2023
Saltfleet Multi-Use Recreation Complex Feasibility	0	100	0	0	0	0	0	0	32,000	0	2021	2028
Kiwanis Community Centre Roof & HVAC (Stoney Creek)	0	800	0	0	0	0	0	0	0	0	2020	2021
Sub - Total Recreation Facilities	0	900	2,500	24,000	0	0	0	0	32,000	0		
<u>Roads</u>												
Council Priority - Ward 10 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Fifty Road Escarpment Access	140	140	2,100	0	0	0	0	0	0	0	2020	2022
Arvin - Dosco to Jones	0	140	140	3,330	0	0	0	0	0	0	2021	2023
Fruitland - Hwy 8 to Barton	0	0	600	0	0	0	0	0	0	0	2022	2022
Arvin - Glover to east end	0	0	0	0	590	0	0	0	0	0	2024	2024
Asset Preservation - Dewitt Neighbourhood	0	0	0	0	3,690	0	0	0	0	0	2024	2024
Barton - Fruitland to Fifty (Fruitland - Winona)	0	0	0	0	140	140	17,570	0	0	0	2024	2026
Green - Hwy 8 to Barton	0	0	0	0	0	490	0	0	0	0	2025	2025
Green - Barton to South Service	0	0	0	0	0	400	0	0	0	0	2025	2025
King - Stoney Brook to Highway No. 8	0	0	0	0	0	0	1,040	0	0	0	2026	2026
Fruitland - Barton to South Service	0	0	0	0	0	0	0	0	0	450	2029	2029
New Traffic Signal - Fifty @ North Service Rd	0	270	0	0	0	0	0	0	0	0	2018	2021
New Traffic Signal - Fruitland @ North Service Rd	0	270	0	0	0	0	0	0	0	0	2018	2021
New Traffic Signal - South Service Rd @ Vince Mazza Way	0	200	0	0	0	0	0	0	0	0	2021	2021

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD 10**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<i>Sub - Total Roads</i>	320	1,200	3,020	3,510	4,600	1,210	18,790	180	180	630		
<i>Total Public Works Tax Funded</i>	<u>1,730</u>	<u>6,210</u>	<u>5,730</u>	<u>29,557</u>	<u>4,810</u>	<u>1,500</u>	<u>19,000</u>	<u>390</u>	<u>32,390</u>	<u>840</u>		
<i>Total Ward 10</i>	<u>1,730</u>	<u>6,210</u>	<u>5,730</u>	<u>31,314</u>	<u>6,478</u>	<u>1,500</u>	<u>19,000</u>	<u>390</u>	<u>32,390</u>	<u>840</u>		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 11**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Fire Department</u>												
Binbrook Station Renovation	0	0	0	0	0	1,118	1,029	0	0	0	2025	2027
Sub - Total Hamilton Fire Department	0	0	0	0	0	1,118	1,029	0	0	0		
Total Healthy and Safe Communities	0	0	0	0	0	1,118	1,029	0	0	0		
<u>Hamilton Public Library</u>												
Mount Hope Library Expansion	0	6,500	0	0	0	0	0	0	0	0	2021	2022
Sub - Total Hamilton Public Library	0	6,500	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	0	6,500	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Lancaster Heights - Developer Build	0	675	0	0	0	0	0	0	0	0	2021	2021
Elfrida Secondary Plan Parks	0	0	0	100	600	0	0	0	3,050	0	2023	2024
Fletcher Road Parkette (Proposed)	0	0	0	191	0	0	0	0	0	0	2023	2023
Sub - Total Open Space Development	0	675	0	291	600	0	0	0	3,050	0		
<u>Recreation Facilities</u>												
Binbrook Recreation Centre Feasibility	0	0	0	0	0	0	0	0	27,500	0	2019	2028
Mt. Hope New Recreation Facility	0	0	0	4,500	0	0	0	0	0	0	2019	2023
Sub - Total Recreation Facilities	0	0	0	4,500	0	0	0	0	27,500	0		
<u>Roads</u>												
4031917943	110	0	0	0	0	0	0	0	0	0	2018	2020
Council Priority - Ward 11 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Bridge 414 - Miles Road, 130m s/o Dickenson Rd E	180	270	0	0	0	0	0	0	0	0	2020	2021
Twenty Road Class EA (Upper James to Glancaster)	690	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - Glanair at Upper James	250	0	0	0	0	0	0	0	0	0	2020	2020
Bridge 159 - Regional Rd 56 to 615m s/o Hall Rd	0	1,260	0	0	0	0	0	0	0	0	2018	2021
Bridge 189 - Regional Rd 56, 565 m s/o Kirk Rd	0	270	0	0	0	0	0	0	0	0	2018	2021
Bridge 404 - Harrison Rd - 910m s/o Kirk Road	0	0	900	0	0	0	0	0	0	0	2018	2022
Bridge 437 - Miles Rd, 610m s/o Dickenson Rd E	0	590	0	0	0	0	0	0	0	0	2018	2021
Bridge 126 - Regional Rd 56, 605m n/o Guyatt Rd	0	0	0	270	0	0	0	0	0	0	2019	2023
Bridge 433 - Westbrook Road, 135m n/o Regional Rd 9A	0	180	0	0	0	0	0	0	0	0	2019	2021
Binbrook - Royal Winter/Binhaven to Fletcher	0	6,840	0	0	0	0	0	0	0	0	2021	2021
Dickenson - Upper James to Glancaster (AEGD)	0	140	0	140	140	11,640	0	0	0	0	2021	2025
Airport Rd. - Upper James to Glancaster (AEGD)	0	0	0	2,200	11,900	0	0	0	0	0	2023	2024

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 11**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
RHBP - Nebo - 800m s/o Twenty to Dickenson	0	0	0	0	350	3,300	0	0	0	0	2024	2025
Bridge 403 - Harrison Rd, 275m s/o Kirk Rd	0	0	0	0	0	90	0	340	0	0	2025	2027
RHBP - Dickenson - w/o Nebo to w/o Glover	0	0	0	0	0	0	840	4,750	0	0	2026	2027
Bridge 359 - Blackheath to 495m n/o Hall Rd	0	0	0	0	0	0	0	30	90	0	2027	2030
Garth Extension - Twenty to Dickenson (AEGD)	0	0	0	0	0	0	0	0	0	8,440	2029	2029
New Traffic Signal - Nebo @ Twenty Rd	0	250	0	0	0	0	0	0	0	0	2021	2021
New Traffic Signal - RR#56 @ Kirk Road	0	300	0	0	0	0	0	0	0	0	2021	2021
<i>Sub - Total Roads</i>	1,410	10,280	1,080	2,790	12,570	15,210	1,020	5,300	270	8,620		
<i>Total Public Works Tax Funded</i>	1,410	10,955	1,080	7,581	13,170	15,210	1,020	5,300	30,820	8,620		
<i>Total Ward 11</i>	1,410	17,455	1,080	7,581	13,170	16,328	2,049	5,300	30,820	8,620		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 12**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Public Library</u>												
Ancaster Expansion	0	0	0	0	0	0	0	11,000	0	0	2026	2027
Sub - Total Hamilton Public Library	0	11,000	0	0								
Total Outside Boards & Agencies	0	11,000	0	0								
<u>Tourism & Culture</u>												
Griffin House Stabilization	107	0	55	100	0	80	0	0	0	0	2020	2022
Fieldcote Museum Expansion	0	500	500	0	270	650	0	0	0	0	2020	2027
Sub - Total Tourism & Culture	107	500	555	100	270	730	0	0	0	0		
Total Planning & Economic Development	107	500	555	100	270	730	0	0	0	0		
<u>Open Space Development</u>												
Meadowlands Community Park	476	0	120	0	0	0	0	0	0	0	2019	2022
Sub - Total Open Space Development	476	0	120	0	0	0	0	0	0	0		
<u>Roads</u>												
Council Priority - Ward 12 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Springbrook Ave (Phase 2) - Regan to Garner	1,500	0	0	0	0	0	0	0	0	0	2019	2020
Book - Southcote to Glancaster	610	0	0	0	0	0	0	0	0	0	2020	2020
Southcote - Garner to Highway 403 Bridge	140	540	3,060	0	0	0	0	0	0	0	2020	2022
Bridge 019 - Norman Rd, 555m e/o Sager Rd	30	150	0	720	0	0	0	0	0	0	2020	2023
Bridge 372 - Wilson St E, 1700m e/o Rousseaux St (south side original culvert)	30	150	0	510	0	0	0	0	0	0	2020	2023
Book Class EA - Hwy 6 to Glancaster	690	0	0	0	0	0	0	0	0	0	2020	2020
Bridge 108 - Indian Trail, 1025m w/o Lynden Rd	0	540	0	0	0	0	0	0	0	0	2018	2021
Southcote - Book to Garner	0	830	0	0	0	0	0	0	0	0	2021	2021
Smith Rd Class EA - (Garner to Dickenson Extension)	0	690	0	0	0	0	0	0	0	0	2021	2021
Shaver Rd - Trustwood to Garner (AIP)	0	810	4,030	0	0	0	0	0	0	0	2021	2022
Southcote Class EA - Book to Garner	0	690	0	0	0	0	0	0	0	0	2021	2021
Bridge 025 - Lynden Rd, 650m n/o Highway No. 5	0	0	30	150	0	450	0	0	0	0	2022	2025
Mohawk - McNiven to Hwy 403	0	0	140	140	4,500	0	0	0	0	0	2022	2024
Southcote - Hwy 403 bridge to Oldoakes /Dorval	0	0	0	140	140	540	0	0	0	0	2023	2025
Golf Links - bridge over Hwy 403 to Stone Church	0	0	0	0	1,980	0	0	0	0	0	2024	2024
Bridge 021 - Sager Rd, 475m n/o Patrick Rd	0	0	0	0	0	90	30	150	0	630	2025	2029
Highway 403 Ramp Improvements	0	0	0	0	0	6,400	0	0	0	0	2025	2025
Dickenson Rd Ext - Southcote to Smith (AEGD)	0	0	0	0	0	550	2,700	0	0	0	2025	2026
McNiven - Mohawk to Golf Links	0	0	0	0	0	0	140	140	140	2,180	2026	2029

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD 12**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Book - Southcote to Highway 6 (AEGD)	0	0	0	0	0	0	1,100	5,060	0	0	2026	2027
Dickenson Rd Ext - Smith to Glanaster (AEGD)	0	0	0	0	0	0	1,100	5,500	0	0	2026	2027
Southcote - Garner to Twenty (AEGD)	0	0	0	0	0	0	0	0	0	3,400	2029	2029
<i>Sub - Total Roads</i>	3,180	4,580	7,440	1,840	6,800	8,210	5,250	11,030	320	6,390		
<i>Total Public Works Tax Funded</i>	3,656	4,580	7,560	1,840	6,800	8,210	5,250	11,030	320	6,390		
<i>Total Ward 12</i>	3,763	5,080	8,115	1,940	7,070	8,940	5,250	22,030	320	6,390		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 13**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>O & M - Parks & Cemeteries</u>												
Parkside Cemetery Development	428	150	0	0	0	0	0	0	0	0	2020	2021
Sub - Total O & M - Parks & Cemeteries	428	150	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Spencer Creek Estates (13)	300	0	0	0	0	0	0	0	0	0	2018	2020
Morton Park Redevelopment	100	0	0	0	0	0	0	0	0	0	2020	2020
Valley Community Centre Park	80	0	679	0	0	0	0	0	0	0	2020	2022
Johnson Tew Planting	0	50	50	0	0	0	0	0	0	0	2019	2022
Sub - Total Open Space Development	480	50	729	0	0	0	0	0	0	0		
<u>Roads</u>												
Bridge 090 - McMurray St, 100m s/o of Hatt St	450	0	0	0	0	0	0	0	0	0	2016	2020
Highway 8 - Hillcrest to Park	1,300	0	0	0	0	0	0	0	0	0	2016	2020
Bridge 089 - Creighton Rd, 30 m s/o Mill St	60	0	900	0	0	0	0	0	0	0	2018	2022
Bridge 296 - Governors Rd, 45m e/o Ogilvie St	160	0	1,170	0	0	0	0	0	0	0	2018	2022
Council Priority - Ward 13 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Bridge 342 - Westover Rd, 245m n/o Highway No. 8	150	0	700	0	0	0	0	0	0	0	2019	2022
Bridge 248 - King St W, 145m w/o Bond to Woodleys Lane	450	3,150	0	0	0	0	0	0	0	0	2020	2021
Highway 8 - Woodleys Lane to Hillcrest	2,300	0	0	0	0	0	0	0	0	0	2020	2020
Glenmorris Drive / Underhill Avenue (York Heights Neighbourhood)	140	140	660	0	0	0	0	0	0	0	2020	2022
District West - Dundas Changeroom & Meeting Room Improvements	100	0	0	0	0	0	0	0	0	0	2020	2020
Brock Rd and Rockton Yard Improvements	100	0	0	0	0	0	0	0	0	0	2019	2020
Hatt & Bond - King to Market	0	140	140	2,800	0	0	0	0	0	0	2021	2023
Highway 8 - Bond to Woodleys Lane	0	830	0	0	0	0	0	0	0	0	2021	2021
Governor's - Main to Ogilvie	0	0	200	0	0	0	0	0	0	0	2022	2022
Bridge 086 - Cross St, 25m s/o Alma	0	0	150	150	0	400	0	0	0	0	2022	2025
Bridge 409 - Regional Rd 97, 230m e/o Valens	0	0	90	0	270	0	0	0	0	0	2022	2024
Hatt - Market to east end & York / Kerr	0	0	140	140	3,440	0	0	0	0	0	2022	2024
Cairns / East St N / Sleepy Hollow / Spencer / Wilmar (Hunter Neighbourhood)	0	0	140	140	2,340	0	0	0	0	0	2022	2024
Olympic - York to Cootes	0	0	0	0	790	0	0	0	0	0	2024	2024
Brock - Concession 4 W to Safari	0	0	0	0	0	3,600	0	0	0	0	2025	2025
Asset Preservation - Creighton West Neighbourhood	0	0	0	0	0	1,890	0	0	0	0	2025	2025
Asset Preservation - Hunter Neighbourhood	0	0	0	0	0	1,440	0	0	0	0	2025	2025
Asset Preservation - York Heights Neighbourhood	0	0	0	0	0	0	2,070	0	0	0	2026	2026
New Traffic Signal - York @ Old Guelph	0	0	500	0	0	0	0	0	0	0	2022	2022
Sub - Total Roads	5,390	4,440	4,970	3,410	7,020	7,510	2,250	180	180	180		

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD 13**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<i>Total Public Works Tax Funded</i>	<u>6,298</u>	<u>4,640</u>	<u>5,699</u>	<u>3,410</u>	<u>7,020</u>	<u>7,510</u>	<u>2,250</u>	<u>180</u>	<u>180</u>	<u>180</u>		
<i>Total Ward 13</i>	<u>6,298</u>	<u>4,640</u>	<u>5,699</u>	<u>3,410</u>	<u>7,020</u>	<u>7,510</u>	<u>2,250</u>	<u>180</u>	<u>180</u>	<u>180</u>		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 14**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Area Rating Special Capital Reinvestment</u>												
Ward 14 Capital Reinvestment	100	100	100	100	100	100	100	100	100	100	2020	Ongoing
Sub - Total Area Rating Special Capital Reinv	100	100	100	100	100	100	100	100	100	100		
<u>Total Council Initiatives</u>												
	100	100	100	100	100	100	100	100	100	100		
<u>Open Space Development</u>												
Chedoke Falls Viewing Implementation	481	3,202	481	2,083	0	0	0	0	0	0	2019	2023
Shawinigan Park Spray Pad Redevelopment	0	0	66	502	0	0	0	0	0	0	2022	2023
Sub - Total Open Space Development	481	3,202	547	2,585	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Chedoke Splashpad Redevelopment	0	0	0	0	0	0	800	0	0	0	2015	2026
Sub - Total Recreation Facilities	0	0	0	0	0	0	800	0	0	0		
<u>Roads</u>												
Council Priority - Ward 14 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Scenic - Chateau Crt to Upper Paradise	140	140	4,410	0	0	0	0	0	0	0	2020	2022
Scenic - Mohawk to Chateau Crt	0	0	0	4,410	0	0	0	0	0	0	2023	2023
Upper Paradise - Sanatorium to Scenic	0	0	0	0	0	670	0	0	0	0	2025	2025
Scenic - Upper Paradise to Garth & Denlow	0	0	0	0	0	140	140	2,680	0	0	2025	2027
Sub - Total Roads	320	320	4,590	4,590	180	990	320	2,860	180	180		
Total Public Works Tax Funded	801	3,522	5,137	7,175	180	990	1,120	2,860	180	180		
Total Ward 14	901	3,622	5,237	7,275	280	1,090	1,220	2,960	280	280		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 15**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Hamilton Fire Department</u>												
Waterdown New Station	4,200	3,724	0	0	0	0	0	0	0	0	2019	2021
Station 24 Renovation	0	300	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Hamilton Fire Department	4,200	4,024	0	0	0	0	0	0	0	0		
Total Healthy and Safe Communities	4,200	4,024	0	0	0	0	0	0	0	0		
<u>Hamilton Public Library</u>												
Carlisle Library Replacement	1,500	0	0	0	0	0	0	0	0	0	2019	2020
Sub - Total Hamilton Public Library	1,500	0	0	0	0	0	0	0	0	0		
Total Outside Boards & Agencies	1,500	0	0	0	0	0	0	0	0	0		
<u>Open Space Development</u>												
Joe Sams Leisure Park	180	0	0	0	0	0	0	0	0	0	2007	2020
Skinner Park Waterdown South Neighbourhood Park 1	624	0	0	0	0	0	0	0	0	0	2020	2020
Gatesbury Park	0	545	0	0	0	0	0	0	0	0	2019	2021
HRTMP Initiative 15-12 Mountain Brow Road Link	0	0	327	0	0	0	0	0	0	0	2019	2022
Clear Skies Proposed Park - Sadielou Blvd	0	95	775	0	0	0	0	0	0	0	2021	2022
Waterdown South Parkettes (Combined w Parkette 2)	0	140	0	0	0	0	0	0	0	0	2021	2021
Parkside Hills	0	0	766	0	0	0	0	0	0	0	2022	2022
Waterdown South Neighbourhood Park 3 (East Side) - Smoky Hollow	0	0	676	0	0	0	0	0	0	0	2022	2022
Sub - Total Open Space Development	804	780	2,544	0	0	0	0	0	0	0		
<u>Recreation Facilities</u>												
Waterdown Pool and Recreation Centre Feasibility	0	0	0	2,200	22,000	0	0	0	0	0	2017	2024
Sub - Total Recreation Facilities	0	0	0	2,200	22,000	0	0	0	0	0		
<u>Roads</u>												
Cedar / Fern / Braeheid	680	0	0	0	0	0	0	0	0	0	2019	2020
Council Priority - Ward 15 Minor Rehabilitation	180	180	180	180	180	180	180	180	180	180	2019	Ongoing
Dundas - First to Hamilton-Burlington boundary	2,000	0	0	0	0	0	0	0	0	0	2020	2020
Waterdown Traffic Management Implementation	150	80	250	0	0	0	0	0	0	0	2020	2022
New Traffic Signal - Center Road at Concession 8	300	0	0	0	0	0	0	0	0	0	2020	2020
New Traffic Signal - 36 Dundas St E (Waterdown) 300m w/o Clappison Ave	250	0	0	0	0	0	0	0	0	0	2020	2020
Bridge 451 - Hwy 5 E, 120m e/o Mill St S	0	0	0	0	4,950	0	0	0	0	0	2012	2024
Waterdown - Burlington Road Upgrades	0	9,990	0	0	0	0	0	0	0	0	2013	2021

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
FOR WARD 15**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
East-West Road Corridor (Waterdown By-Pass)	0	16,830	0	0	0	0	0	0	0	0	2013	2021
Bridge 346 - Centre Rd, 195m s/o Carlisle Rd	0	0	150	150	0	300	0	0	0	0	2022	2025
Bridge 347 - Carlisle Rd, 355 m w/o Wildberry Way	0	0	120	150	0	990	0	0	0	0	2022	2025
Dundas (Hwy 5) - Mill to First	0	0	0	0	310	0	0	0	0	0	2024	2024
Asset Preservation - Waterdown Neighbourhood (Central East Section)	0	0	0	0	0	0	0	0	3,240	0	2028	2028
<i>Sub - Total Roads</i>	3,560	27,080	700	480	5,440	1,470	180	180	3,420	180		
<i>Total Public Works Tax Funded</i>	4,364	27,860	3,244	2,680	27,440	1,470	180	180	3,420	180		
<i>Total Ward 15</i>	10,064	31,884	3,244	2,680	27,440	1,470	180	180	3,420	180		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
2021-2029 FORECAST
MULTI-WARD**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Information Technology (IT)</u>												
Corporate Trunked Radio Cell Tower Sites	100	0	0	0	0	0	0	0	0	0	2020	2021
Sub - Total Information Technology (IT)	100	0	0	0	0	0	0	0	0	0		
Total Corporate Services	100	0	0	0	0	0	0	0	0	0		
<u>Hamilton Fire Department</u>												
West Hamilton/Dundas Fire Apparatus	0	0	0	0	0	0	0	954	0	0	2027	2028
Sub - Total Hamilton Fire Department	0	0	0	0	0	0	0	954	0	0		
Total Healthy and Safe Communities	0	0	0	0	0	0	0	954	0	0		
<u>Hamilton Public Library</u>												
Winona/ Stoney Creek Library Construction	0	0	0	0	8,500	0	0	0	0	0	2024	2025
Sub - Total Hamilton Public Library	0	0	0	0	8,500	0	0	0	0	0		
<u>Police Services</u>												
Hamilton Police Stations- Roof Repairs and HVAC	400	200	225	0	0	0	0	0	0	0	2019	2022
Basement Superstructure & Brick Repairs (Central)	200	0	0	0	0	0	0	0	0	0	2020	2020
Police Air-Cooled Chiller Replacement - East End	0	500	0	0	0	0	0	0	0	0	2021	2021
Police Station 40 (New Division 4)	0	0	0	0	0	25,000	0	0	0	0	2025	2025
Police Roof Repairs - Mountain Station	0	0	0	0	0	0	1,300	0	0	0	2026	2026
Sub - Total Police Services	600	700	225	0	0	25,000	1,300	0	0	0		
Total Outside Boards & Agencies	600	700	225	0	8,500	25,000	1,300	0	0	0		
<u>Urban Renewal</u>												
Barton/Kenilworth Commercial Corridor Building Grant Program	305	305	305	305	305	305	305	305	305	305	2020	Ongoing
Barton and Kenilworth Rebate of Planning and Building Fees	100	100	100	100	100	100	100	100	100	100	2020	Ongoing
Downtown West Harborfront Remediation Loan Program	25	25	25	25	25	25	25	25	25	25	2020	Ongoing
Sub - Total Urban Renewal	430	430	430	430	430	430	430	430	430	430		
Total Planning & Economic Development	430	430	430	430	430	430	430	430	430	430		
<u>Open Space Development</u>												
Mountain Brow Path	650	0	690	80	665	100	700	0	100	0	2017	2030
Open Space Replacement Strategy-East Mtn Trail Loop	0	0	273	0	0	0	0	0	0	0	2010	2022

**CITY OF HAMILTON
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MULTI-WARD**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Open Space Development</u>												
Sam Lawrence Park	0	633	0	0	0	0	0	0	0	0	2016	2021
Sub - Total Open Space Development	650	633	963	80	665	100	700	0	100	0		
<u>Recreation Facilities</u>												
Elfrida Recreation Centre Feasibility	0	100	0	0	0	0	0	0	0	25,300	2021	2029
Sub - Total Recreation Facilities	0	100	0	25,300								
<u>Roads</u>												
RR 56 - Rymal to south limit of ROPA 9	5,720	0	0	0	0	0	0	0	0	0	2017	2020
Claremont Access - Bin Wall Removal Phase 1	4,500	0	0	0	0	0	0	0	0	0	2018	2020
North Service Rd - Centennial Pkwy to Drakes	570	0	0	0	0	0	0	0	0	0	2019	2020
York - Caroline to Dundurn & Cannon - James to York	3,000	0	0	0	0	0	0	0	0	0	2019	2020
MTO/City Cost Shared Service Rd Culverts	3,000	0	0	0	0	0	0	0	0	0	2019	2020
Transportation EA - Hwy 56 - Rymal to Binbrook	30	0	0	0	0	0	0	0	0	0	2019	2019
Claremont Access – Inverness to Main	2,880	0	0	0	0	0	0	0	0	0	2020	2020
Bicycle Infrastructure Upgrades	130	170	130	130	100	0	0	0	0	0	2020	2024
Bicycle Boulevard (Neighbourhood Greenways) Program	130	200	170	170	120	120	120	120	120	120	2020	Ongoing
Rymal EA - Dartnall to Upper James	300	0	0	0	0	0	0	0	0	0	2020	2020
Upper Wellington - Stone Church to Limeridge	150	140	140	6,180	0	0	0	0	0	0	2020	2023
New Traffic Signal - Queen Street at Napier Street	150	0	0	0	0	0	0	0	0	0	2020	2020
Queen - Main to King Two-Way Conversion - Phase 2	500	0	0	0	0	0	0	0	0	0	2020	2020
Pedestrian Traffic Signals	370	200	200	200	200	200	200	200	200	200	2020	Ongoing
LINC Rehabilitation - CASH FLOW	2,700	13,750	13,750	0	0	0	0	0	0	0	2020	2022
RHBP - Nebo - Rymal to Twenty	0	4,650	0	0	0	0	0	0	0	0	2015	2021
Barton - Gage to Kenilworth	0	1,800	0	0	0	0	0	0	0	0	2021	2021
Bridge 301 - Cootes Dr, 660m e/o Olympic Dr	0	0	150	150	0	800	0	0	0	0	2022	2025
Kenilworth Access to Upper Traffic Circle to Kenilworth	0	0	0	3,330	0	0	0	0	0	0	2023	2023
Claremont Access - Bin Wall Removal Phase 2	0	0	0	180	0	2,700	0	0	0	0	2023	2025
Rymal - Glancaster to Upper Paradise	0	0	0	140	140	1,920	0	0	0	0	2023	2025
Upper Wellington - Bryna to Mohawk	0	0	0	140	140	2,520	0	0	0	0	2023	2025
Upper Gage - Mohawk to Seventh Ave	0	0	0	0	720	0	0	0	0	0	2024	2024
Rymal - Upper Sherman to Upper Gage	0	0	0	0	180	540	3,060	0	0	0	2024	2026
Gray - King to Hwy 8	0	0	0	0	0	460	0	0	0	0	2025	2025
Stone Church - Golf Links to Omni	0	0	0	0	0	1,120	0	0	0	0	2025	2025
Upper Wellington - Rymal to Stone Church	0	0	0	0	0	590	0	0	0	0	2025	2025
Grays - Barton to Community	0	0	0	0	0	900	0	0	0	0	2025	2025
Burlington & Industrial - Ottawa to Kenilworth	0	0	0	0	0	140	140	3,950	0	0	2025	2027
New Mountain Rd - Ridge to King	0	0	0	0	0	140	140	1,620	0	0	2025	2027
Glancaster - Garner to Dickenson (AEGD)	0	0	0	0	0	2,220	10,180	0	0	0	2025	2026

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
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MULTI-WARD**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Roads</u>												
Osler - South St to West Park	0	0	0	0	0	0	90	90	1,820	0	2026	2028
Garth - Stone Church to LINC	0	0	0	0	0	0	990	0	0	0	2026	2026
Main - Highway 403 to James	0	0	0	0	0	0	0	1,980	0	0	2027	2027
Stone Church - Upper James to Upper Sherman	0	0	0	0	0	0	0	1,800	0	0	2027	2027
King - Main to Kenilworth	0	0	0	0	0	0	0	1,580	0	0	2027	2027
Charlton - James to Sherman Access	0	0	0	0	0	0	0	1,260	0	0	2027	2027
Upper Gage - LINC to Mohawk	0	0	0	0	0	0	0	0	1,130	0	2028	2028
Stone Church - Omni to Upper James	0	0	0	0	0	0	0	0	2,430	0	2028	2028
Main - James to Wentworth	0	0	0	0	0	0	0	0	1,890	0	2028	2028
RHVP Rehabilitation	0	0	0	0	0	0	0	0	0	6,300	2029	2030
Sub - Total Roads	24,130	20,910	14,540	10,620	1,600	14,370	14,920	12,600	7,590	6,620		
<u>Transit Services</u>												
Transit Maintenance and Storage Facility (Cash Flow Project)	0	140,000	0	0	0	0	0	0	0	0	2017	2022
Sub - Total Transit Services	0	140,000	0	0	0	0	0	0	0	0		
Total Public Works Tax Funded	24,780	161,643	15,503	10,700	2,265	14,470	15,620	12,600	7,690	31,920		
Total Multi-Ward Projects	25,910	162,773	16,158	11,130	11,195	39,900	17,350	13,984	8,120	32,350		

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
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CITY-WIDE**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>City Manager</u>												
Enhancing City of Hamilton App for citizen services	0	25	25	0	0	0	0	0	0	0	2018	2022
Digital/Open Data Infrastructure	0	100	100	100	0	0	0	0	0	0	2018	2021
Digital Office: Smart City and Digital Transformation Program	0	300	300	0	0	0	0	0	0	0	2019	2022
Sub - Total City Manager	0	425	425	100	0	0	0	0	0	0		
<u>Human Resources</u>												
Talent Management System Enhancements	200	0	0	0	0	0	0	0	0	0	2020	2021
Sub - Total Human Resources	200	0										
Total City Manager	200	425	425	100	0	0	0	0	0	0		
<u>Customer Service & POA</u>												
Replacement of Integrated Court Offences Network and Collections Administration Management Software	0	100	200	200	150	0	0	0	0	0	2021	2026
Sub - Total Customer Service & POA	0	100	200	200	150	0	0	0	0	0		
<u>Finance</u>												
DC Exemptions Recovery	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	2017	Ongoing
Budget Operating System Upgrade	180	0	0	380	0	0	0	0	0	0	2015	2023
Community Benefits Strategy & By-law	225	0	0	0	0	0	0	0	0	0	2020	2020
Provision for ICIP	5,000	0	0	0	0	0	0	0	0	0	2020	2020
Provision for S.O.G.R./Boards & Agencies	414	0	0	0	0	0	0	0	0	0	2020	2020
Capital Budget System Upgrade	0	50	0	0	50	0	0	50	0	0	2018	Ongoing
2021 Development Charges' Bylaw Studies	0	650	0	0	0	0	0	0	0	0	2021	2022
2026 Development Charges' Bylaw Studies	0	0	0	0	0	0	730	0	0	0	2026	2026
Sub - Total Finance	14,319	9,200	8,500	8,880	8,550	8,500	9,230	8,550	8,500	8,500		
<u>Information Technology (IT)</u>												
Network Infrastructure Sustainability and Continuous Improvement	456	445	340	0	0	0	0	0	0	0	2017	2021
IT Strategy and Enterprise Architecture	25	25	0	0	0	0	0	0	0	0	2018	2021
IT Strategy - Strategic Theme Mobility	50	0	0	0	0	0	0	0	0	0	2019	2021
IT Strategy - Strategic Theme Enabling Our People	227	180	155	0	0	0	0	0	0	0	2019	2022
IT Strategy - Strategic Theme IT Optimization	100	150	150	0	0	0	0	0	0	0	2019	2022
IT Strategy - Strategic Theme Integrated & Connected	25	220	25	0	0	0	0	0	0	0	2019	2022
Messaging (Email) Platform Migration	0	0	295	0	0	0	0	0	0	0	2019	2020
Payment Card Systems Review	100	95	0	0	0	0	0	0	0	0	2019	2019
IT Security	0	142	150	0	0	0	0	0	0	0	2016	2021

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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Information Technology (IT)												
Business Systems and Services Continuity Plan	0	100	20	0	0	0	0	0	0	0	2019	2021
Technology Roadmap - Financial Systems	0	75	50	0	0	0	0	0	0	0	2020	2020
IT Asset Management Program	0	200	350	0	0	0	0	0	0	0	2020	2021
Sub - Total Information Technology (IT)	983	1,632	1,535	0	0	0	0	0	0	0		
Total Corporate Services	15,302	10,932	10,235	9,080	8,700	8,500	9,230	8,550	8,500	8,500		
Council Strategic Projects												
Parkland Acquisition	2,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	2020	Ongoing
Randle Reef Rehabilitation Project	375	375	0	0	0	0	0	0	0	0	2009	2021
Council Initiated Strategic Projects	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2013	Ongoing
Sub - Total Council Strategic Projects	2,875	3,875	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500		
Total Council Initiatives	2,875	3,875	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500		
Hamilton Fire Department												
Hazmat Foam Response Apparatus	550	0	0	0	0	0	0	0	0	0	2020	2020
Nature Trail Response Apparatus	150	0	0	0	0	0	0	0	0	0	2020	2020
Annual Equipment Replacement	592	855	672	2,263	2,208	1,510	1,532	981	1,109	727	2020	Ongoing
Annual Vehicle Replacement	4,305	1,198	4,358	2,095	1,077	3,400	190	2,100	9,123	813	2020	Ongoing
SCBA Complete Unit Replacement	0	5,600	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Hamilton Fire Department	5,597	7,653	5,030	4,358	3,285	4,910	1,722	3,081	10,232	1,540		
Hamilton Paramedic Service												
Annual Vehicle Replacement	1,176	1,662	1,227	1,544	1,344	1,732	1,223	1,871	1,381	1,588	2020	Ongoing
Annual Equipment Replacement	381	254	4,774	166	961	161	288	423	352	3,640	2020	Ongoing
Ambulance Enhancement	0	275	280	285	0	0	0	0	0	0	2020	2020
Sub - Total Hamilton Paramedic Service	1,557	2,191	6,281	1,995	2,305	1,893	1,511	2,294	1,733	5,228		
Healthy and Safe Communities- Other Divisions												
Human Services Integration - Continuous Improvement Projects	0	160	160	160	160	160	160	160	160	0	2021	2028
Sub - Total Healthy and Safe Communities- O	0	160	160	160	160	160	160	160	160	0		
Housing Services												
Poverty Reduction Investment (PRI) - Affordable Rental Housing Construction	4,000	4,000	0	0	0	0	0	0	0	0	2017	2021

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Housing Services</u>												
Poverty Reduction Investment (PRI) - Indigenous Poverty Reduction	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	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	0	0	2018	2027
Social Housing Capital Repairs and Regeneration	500	500	500	500	500	500	500	500	500	500	2020	Ongoing
National Housing Strategy_CHH	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	2020	2029
COCHI - Transitional Ops	0	870	0	0	0	0	0	0	0	0	2019	2022
OPHI - Ontario Renovates	0	603	0	0	0	0	0	0	0	0	2020	2023
OPHI - Housing Allowances	0	650	0	0	0	0	0	0	0	0	2020	2022
COCHI - Administration	0	139	0	0	0	0	0	0	0	0	2019	2022
COCHI - Rent Supplement	0	1,776	0	0	0	0	0	0	0	0	2019	2022
OPHI - Administration	0	186	0	0	0	0	0	0	0	0	2019	2022
OPHI - Rental Housing	0	2,281	0	0	0	0	0	0	0	0	2019	2026
Sub - Total Housing Services	24,500	31,004	20,500	20,500	20,500	20,500	20,500	20,500	17,500	17,500		
<u>Long Term Care Homes</u>												
ML & WL - Security Systems	200	0	0	0	0	0	0	0	0	0	2020	2020
ML - Roof Replacement	811	482	859	562	0	0	0	0	0	0	2018	2023
ML & WL - Circulation Pumps (Cooling and Heating)	10	417	0	0	0	0	0	0	0	0	2020	2021
ML - Building Components Study	60	0	0	0	0	0	0	0	0	0	2020	2020
WL - Dish Room/Physio & Salon Exhaust & Supply	193	0	0	0	0	0	0	0	0	0	2019	2020
WL - Radiant Heating Panel/Thermostat Controls	132	0	0	0	0	0	0	0	0	0	2019	2020
WL - Served Retrofit (Cabinet and Counter Replacement)	198	0	0	0	0	0	0	0	0	0	2019	2020
ML & WL - Annual Resident Care Equipment Replacement	60	155	50	168	180	320	70	125	0	0	2020	Ongoing
ML - Carpet Removal (Wing C1 East)	0	271	0	0	0	0	0	0	0	0	2021	2021
ML - Refurbishment of A Wing	0	0	0	120	1,110	655	0	0	0	0	2023	2025
ML & WL - Parking Lot Resurfacing	0	15	742	0	0	0	0	0	0	0	2021	2022
ML - Refurbish Basement	0	0	0	0	50	454	500	0	0	0	2024	2026
WL - Vinyl Flooring Replacement	0	0	15	398	398	0	0	0	0	0	2022	2024
Sub - Total Long Term Care Homes	1,664	1,340	1,666	1,248	1,738	1,429	570	125	0	0		
<u>Public Health</u>												
Community Dental Bus Replacement	0	569	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Public Health	0	569	0									
Total Healthy and Safe Communities	33,318	42,917	33,637	28,261	27,988	28,892	24,463	26,160	29,625	24,268		

CityHousing Hamilton

**CITY OF HAMILTON
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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>CityHousing Hamilton</u>												
City Housing Contribution	500	500	500	500	500	500	500	500	500	500	2020	Ongoing
Sub - Total CityHousing Hamilton	500											
<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	0	2020	Ongoing
Westfield Heritage Village - Critical and/or Safety Projects	150	150	150	150	150	150	150	150	150	0	2020	Ongoing
Sub - Total H.C.A. & Westfield Heritage Village	2,000	0										
<u>Hamilton Beach Rescue (HBRU)</u>												
HBRU Renovations & Equipment Purchases	70	70	70	70	70	70	70	70	70	0	2020	Ongoing
Sub - Total Hamilton Beach Rescue (HBRU)	70	0										
<u>Hamilton Public Library</u>												
Branch Refresh Project	0	0	200	0	200	0	200	0	200	0	2020	2020
Sub - Total Hamilton Public Library	0	0	200	0	200	0	200	0	200	0		
<u>Police Services</u>												
Police Computer Aided Dispatch (CAD) Upgrade	200	0	0	0	0	0	0	0	0	0	2019	2019
Police Personal Issued Portable Radio Replacement	480	840	1,400	1,400	1,400	0	0	0	0	0	2020	2024
Police Glock Program	0	422	282	0	0	0	0	0	0	0	2021	2022
Ice Rescue Equipment	0	80	0	0	0	0	0	0	0	0	2021	2021
Mobile Command Centre	0	750	0	0	0	0	0	0	0	0	2021	2021
Police NG 911	0	2,000	0	0	0	0	0	0	0	0	2021	2023
Sub - Total Police Services	680	4,092	1,682	1,400	1,400	0	0	0	0	0		
Total Outside Boards & Agencies	3,250	6,662	4,452	3,970	4,170	2,570	2,770	2,570	2,770	500		
<u>Economic Development</u>												
Employment Land Banking (Interest)	600	900	900	900	900	900	900	900	900	900	2019	Ongoing
Economic Development Initiatives	0	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2020	Ongoing
Sub - Total Economic Development	600	2,900										
<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	0	2020	Ongoing

**CITY OF HAMILTON
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CITY-WIDE**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Sub - Total Growth Management	3,000	0										
<u>Licensing & By-Law Services</u>												
Vehicle Purchases - Licensing	30	30	30	30	30	30	30	30	30	30	2019	Ongoing
Handheld Ticketing Device-System Integration	80	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Licensing & By-Law Services	110	30										
<u>Parking Services</u>												
School Crossing Review	100	0	0	0	0	0	0	0	0	0	2020	2020
Parking By-Law Review	100	0	0	0	0	0	0	0	0	0	2017	2020
License Plate Reading Technology for Parking Enforcement	300	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Parking Services	500	0										
<u>Planning Services</u>												
Comprehensive Zoning By-Law	825	600	500	0	0	0	0	0	0	0	2003	2021
City Wide Employment Survey	95	95	120	100	100	0	0	0	0	0	2016	2024
Part IV Designation of Properties under the Ontario Heritage Act	0	0	75	77	78	80	81	83	84	89	2020	Ongoing
Planning & Zoning Growth Area	0	0	165	0	0	0	0	0	0	0	2017	2022
Natural Areas Acquisition Fund	0	300	300	300	300	300	300	300	300	300	2020	Ongoing
Sub - Total Planning Services	920	995	1,160	477	478	380	381	383	384	389		
<u>Tourism & Culture</u>												
Heritage Resource Strategies and Initiatives	100	75	95	95	100	75	75	75	75	0	2020	Ongoing
Monument Restoration	65	75	75	75	0	0	0	0	75	0	2020	Ongoing
Collections Management	75	65	0	0	0	0	0	0	0	0	2020	2021
Sub - Total Tourism & Culture	240	215	170	170	100	75	75	75	150	0		
<u>Urban Renewal</u>												
Brownfield Development	220	220	220	220	220	220	220	220	220	220	2020	Ongoing
Heritage Property Improvement Grants	400	400	400	400	400	400	400	400	400	400	2018	Ongoing
Office Tenancy Assistance Program	50	50	50	50	50	50	50	50	50	50	2020	Ongoing
(BIA) Commercial Property Improvement Grant Program	406	406	406	406	406	406	406	406	406	406	2019	Ongoing
Commercial Property Improvement Grant Program	420	420	420	420	420	420	420	420	420	420	2020	Ongoing
Community Downtowns and BIAs	224	224	224	224	224	224	224	224	224	224	2020	Ongoing
Hamilton Community Heritage Fund Loan Program	60	60	60	60	60	60	60	60	60	60	2020	Ongoing
Sub - Total Urban Renewal	1,780											

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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Total Planning & Economic Development	7,150	8,920	9,040	8,357	8,288	8,165	8,166	8,168	8,244	5,099		
Corporate Facilities												
Backflow Prevention for Various Facilities	275	250	0	0	0	0	0	0	0	0	2013	2021
Program - Compliance Remediation	450	450	450	450	450	450	450	450	450	450	2020	Ongoing
Program - Firestations Facility Upgrade	350	710	710	710	710	710	710	710	710	710	2020	Ongoing
Program - Facilities Code & Legislative Compliance	400	400	400	400	400	400	400	400	400	400	2020	Ongoing
Program - Roof Management	1,600	950	950	950	950	950	950	950	950	950	2020	Ongoing
Program - Facility Capital Maintenance	550	700	700	700	700	700	700	700	700	700	2020	Ongoing
Program - Mechanical Infrastructure Life-cycle renewal	200	250	250	250	250	250	250	250	250	250	2020	2020
Generator Compliance Testing and Upgrades	470	150	0	0	0	470	150	0	0	0	2020	Ongoing
Corporate Facilities Audit Program	310	235	395	310	135	275	310	235	310	185	2020	Ongoing
1579 Burlington Street Below Ground Demolition, Decommissioning and Filling of the Basements	0	1,000	0	0	0	0	0	0	0	0	2020	2021
Program - Facility Upgrades to Hamilton Public Libraries	0	800	800	800	800	800	800	800	800	800	2020	Ongoing
Overhead Door Replacement Program	0	275	275	275	275	275	275	275	275	275	2020	Ongoing
Program - Parking Lot Rehabilitation	0	450	450	450	450	450	450	450	450	450	2020	Ongoing
HVAC, Energy Efficiency Upgrades	0	400	400	400	400	400	400	400	400	400	2020	Ongoing
Yard Capital Renewal Program	0	650	650	650	650	650	650	650	650	650	2020	Ongoing
Archibus - Facility Maintenance Management System Upgrade	0	100	100	100	100	100	100	100	100	100	2020	Ongoing
MSC-Security Enhancements	0	750	0	0	0	0	0	0	0	0	2021	2021
Program - Paramedic (EMS) Station Facility Upgrade	0	100	100	100	100	100	100	100	100	100	2019	Ongoing
Program - Facilities Security	0	725	500	425	375	200	75	75	175	175	2020	Ongoing
Sub - Total Corporate Facilities	4,605	9,345	7,130	6,970	6,745	7,180	6,770	6,545	6,720	6,595		
Energy Initiatives												
2020 Lighting Upgrade to LEDs at Various Recreation Facilities	633	0	0	0	0	0	0	0	0	0	2019	2020
2020 Hamilton City Hall Lighting Upgrade to LEDs	550	0	0	0	0	0	0	0	0	0	2020	2020
2020 Libraries LED Upgrade Project	185	0	0	0	0	0	0	0	0	0	2020	2020
Sub - Total Energy Initiatives	1,368	0										
Entertainment Facilities												
Program - First Ontario Centre Lifecycle Renewal (M&E only)	0	750	750	750	750	750	750	750	750	750	2020	Ongoing
Convention Centre Lifecycle Program (M&E only)	0	275	275	275	275	275	275	275	275	275	2020	Ongoing
Sub - Total Entertainment Facilities	0	1,025										
Fleet Services												
Shop Equipment Replacement	168	170	170	170	170	170	170	170	170	170	2020	Ongoing
Street Sweeper Purchase	750	765	785	785	785	785	785	785	785	785	2020	Ongoing

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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Fleet Services</u>												
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	2020	Ongoing
Sub - Total Fleet Services	10,148	10,165	10,185									
<u>Forestry & Horticulture</u>												
Horticulture Infrastructure Replacement	60	0	0	0	0	0	0	0	0	0	2020	2021
Tree Planting Program	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	1,345	2020	Ongoing
Emerald Ash Borer (EAB) Management Plan Council Cost (Option 3)	2,600	2,600	2,600	0	0	0	0	0	0	0	2011	2022
Small Equipment Replacement (Reserve) Program	75	0	0	75	0	0	0	0	0	0	2021	Ongoing
Tree Inventory	0	150	150	0	0	0	0	0	0	0	2021	2023
Sub - Total Forestry & Horticulture	4,080	4,095	4,095	1,420	1,345	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	2020	Ongoing
Park Pathway Resurfacing Program	260	260	300	300	350	350	400	400	450	450	2020	Ongoing
Pedestrian/Security Lighting Replacement Program	80	85	115	140	150	155	170	180	190	200	2020	Ongoing
Park Fencing Program	148	165	165	220	220	275	275	330	330	330	2020	Ongoing
Equipment Upgrades	50	0	0	0	0	0	0	0	0	0	2020	2020
CSA Safety Material Replacement Program	450	150	150	175	175	200	200	200	200	200	2020	Ongoing
Playground Lifecycle Replacement Program	810	300	300	350	350	400	400	450	450	500	2020	Ongoing
Cemetery Document Digitization	80	0	0	0	0	0	0	0	0	0	2020	2020
Cemetery Columbarium	120	100	100	100	125	125	150	150	150	150	2020	Ongoing
Equipment Acquisition (DC) Program	247	247	247	247	247	247	247	247	247	247	2020	Ongoing
Leash Free Dog Park Program	80	80	80	80	80	80	80	80	80	80	2020	Ongoing
Cemetery Building Repairs	0	115	115	115	165	220	220	220	220	220	2021	Ongoing
Small Equipment Replacement (Reserve) Program	0	80	85	145	85	85	150	90	90	95	2021	Ongoing
Vehicular Bridges	0	20	70	20	100	100	100	0	0	0	2020	2026
Pedestrian Bridge Replacement & Repair Program	0	108	108	108	165	165	165	195	195	195	2020	Ongoing
Urban Park Parking Lot Paving Program	0	370	375	375	380	430	430	430	430	430	2020	Ongoing
Backflow Prevention for Various Parks Facilities	0	200	0	0	0	0	0	0	0	0	2020	2021
Sport Lighting	0	50	300	50	350	50	350	60	350	60	2020	Ongoing
Stair Replacement and Repair Program	0	150	150	150	160	185	185	185	185	185	2020	Ongoing
Sports Field Rehab Program	0	240	25	40	40	60	60	60	70	70	2020	Ongoing
Bocce Court Rehab Program	0	40	50	50	50	50	50	50	50	50	2020	Ongoing
Gateway Replacement - Hamilton Cemetery	0	70	0	0	0	0	0	0	0	0	2020	2021
Flagpole Replacement & Repairs Program	0	100	100	0	0	0	0	0	0	0	2020	2022
Parkland Identification and Way Finding Signage	0	20	20	20	30	30	30	30	30	30	2020	Ongoing
Cemeteries Foundations Study	0	50	50	50	50	50	50	50	50	50	2020	2029
Spraypad Infrastructure Rehabilitation Program	0	78	78	90	90	105	105	120	120	120	2020	Ongoing

**CITY OF HAMILTON
2020 RECOMMENDED PROJECTS &
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CITY-WIDE**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>O & M - Parks & Cemeteries</u>												
Outdoor Ice Rink Program	0	65	65	65	70	70	70	75	75	75	2020	Ongoing
Park Bleacher Replacement Program	0	100	100	110	110	115	115	115	120	120	2020	Ongoing
Cemetery ID Sign Program	0	60	65	65	0	0	0	0	0	0	2020	2023
Sportsfield Irrigation System Lifecycle Replacements	0	75	40	40	40	50	50	70	70	70	2020	Ongoing
Playground Lifecycle Replacement Program	0	560	560	560	560	560	560	560	560	0	2020	Ongoing
Tennis and Multi -use Court Rehabilitation Program	0	120	130	130	200	200	260	260	300	0	2020	Ongoing
IPHC Program Equipment Purchases	0	480	190	585	0	0	0	0	0	0	2020	2023
Sub - Total O & M - Parks & Cemeteries	2,425	4,638	4,233	4,480	4,442	4,457	4,972	4,707	5,112	4,027		
<u>Open Space Development</u>												
Trails Master Plan Programming	217	1,065	557	557	1,405	1,020	1,500	1,500	1,500	21,000	2015	2028
Legislated Monitoring	50	0	0	37	0	0	37	0	0	0	2018	2037
Parkland Acquisition Strategy	50	0	0	0	0	0	0	0	0	0	2020	2020
Parks Testing and Reporting	64	80	80	80	80	80	80	80	80	80	2020	Ongoing
Skatepark Facility - Recreation study implementation	1,763	0	0	100	2,000	0	100	2,000	0	0	2018	2030
Recreational Trails Master Plan study update	0	204	0	0	0	0	0	0	0	0	2021	2021
Rail Trail Improvements	0	0	2,100	0	0	0	0	0	0	0	2020	2022
Sub - Total Open Space Development	2,144	1,349	2,737	774	3,485	1,100	1,717	3,580	1,580	21,080		
<u>Recreation Facilities</u>												
Recreation Facilities Audit Program	130	400	150	215	210	190	130	400	150	215	2020	Ongoing
Program - Community Halls Retrofits	250	300	300	300	300	300	300	300	300	300	2020	Ongoing
Program - Recreation Centre Retrofits	200	200	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2020	Ongoing
Program - Mechanical Infrastructure Life-cycle renewal	200	250	250	250	250	250	250	250	250	250	2020	2020
Program - Roof Management	1,735	0	800	0	800	800	800	800	800	800	2020	Ongoing
Public Use Feasibility Needs & Study	50	150	150	150	150	150	150	150	150	150	2020	Ongoing
Program - Facility Capital Maintenance	130	200	200	200	200	200	200	200	200	200	2020	Ongoing
Program - Chedoke Golf Course Improvements	0	8,010	0	0	0	0	0	0	0	0	2021	2021
Program - Parking Lot Management	0	0	500	500	500	500	500	500	500	500	2020	Ongoing
Program - Park & Fieldhouse Retrofits	0	250	250	250	250	250	250	250	250	250	2020	Ongoing
Program - Exterior Structure	0	400	0	400	0	400	400	400	400	400	2020	Ongoing
Program - Arena Retrofits	0	800	800	800	800	800	800	800	800	800	2020	Ongoing
Program - Senior Centre Retrofits	0	100	100	100	100	100	100	100	100	100	2020	Ongoing
Sub - Total Recreation Facilities	2,695	11,060	4,500	4,165	4,560	4,940	4,880	5,150	4,900	4,965		
<u>Roads</u>												
Railway Crossings Upgrades	500	500	0	0	0	0	0	0	0	0	2017	2021
Hamilton Public Bike Share Expansion Planning	50	0	0	0	0	0	0	0	0	0	2019	2020

**CITY OF HAMILTON
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	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Roads												
Multi-modal Level-of-Service (MMLOS) Policy and Transportation Impact Study Guidelines Update	30	0	0	0	0	0	0	0	0	0	2019	2020
Road Classification Harmonization Study and R-O-W Review	100	0	0	0	0	0	0	0	0	0	2019	2020
PW Asset Management (PW-AM) System Implementation	1,000	670	670	670	0	0	0	0	0	0	2019	2023
Engineering Services Staffing Costs - Road	5,570	5,570	5,570	5,570	5,570	5,570	5,570	5,570	5,570	5,570	2020	Ongoing
Major Road Maintenance Program	500	500	500	500	500	500	500	500	500	500	2020	Ongoing
Minor Construction Program	270	270	270	270	270	270	270	270	270	270	2020	Ongoing
Railway Roadway Crossings Rehabilitation Program	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
New Sidewalk Program	450	450	450	450	450	450	450	450	450	450	2020	Ongoing
Sidewalk Rehabilitation Program	750	750	750	750	750	750	750	750	750	750	2020	Ongoing
Geotechnical Investigation Program	720	720	720	720	720	720	720	720	720	720	2020	Ongoing
Fencing/Sound Barrier Rehabilitation/Replacement within the Road Allowance	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
Pavement Preventative Maintenance Program	2,000	2,000	2,000	2,000	2,000	2,000	3,000	3,000	3,000	3,000	2020	Ongoing
Bridge and Culvert Maintenance - T.O.M.	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
Bridge and Culvert Major Maintenance - Engineering Services	1,850	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	2020	Ongoing
OSIM Bridge and Culvert Inspections	310	310	310	310	310	310	310	310	310	310	2020	Ongoing
Structural Investigations and Reports	60	360	360	360	360	360	360	360	360	360	2020	Ongoing
Durable Pavement Markings	600	600	600	600	600	600	600	600	600	600	2020	Ongoing
Fleet Additions - Roads O&M	200	200	200	200	200	200	200	200	200	200	2020	Ongoing
Yard Facility Maintenance and Improvement Program	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
QA-QC Service Contract Program	140	140	140	140	140	140	140	140	140	140	2020	Ongoing
Roads - Small Equipment Replacement	50	50	50	50	50	50	50	50	50	50	2020	Ongoing
Rail Grade Separation Review	80	0	0	0	0	0	0	0	0	0	2020	2020
LINC and RHVP Widening Study	600	0	0	0	0	0	0	0	0	0	2020	2020
State of the Infrastructure - Asset Management	270	270	270	270	270	270	270	270	270	270	2020	Ongoing
Mapping Update Program	40	40	40	40	40	40	40	40	40	40	2020	Ongoing
O.Reg. 588/17 Compliance - Asset Management Plan Development	50	50	50	50	0	0	0	0	0	0	2020	2023
TMP Modelling & Monitoring	80	50	50	30	30	30	30	30	30	30	2020	Ongoing
Sustainable Mobility Program	250	250	300	330	400	400	400	400	400	400	2020	Ongoing
Transportation Tomorrow Survey	40	120	50	50	50	50	50	50	50	50	2020	Ongoing
Consultation and Accommodation	30	30	30	30	30	30	30	30	30	30	2020	Ongoing
Field Data Systems Program	110	110	110	110	110	110	110	110	110	110	2020	Ongoing
Development Road Urbanization	500	500	500	500	500	500	500	500	500	500	2020	Ongoing
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	2020	Ongoing
Street Lighting Capital Program	400	400	350	350	350	350	350	350	350	350	2020	Ongoing
Retaining Wall Rehabilitation Program	850	900	900	900	950	950	700	700	880	880	2020	Ongoing
Roads - Alleyway Rehabilitation	100	100	100	100	100	100	100	100	100	100	2020	Ongoing
Guide Rail Replacement Program	400	400	400	400	400	400	400	400	400	400	2020	Ongoing
Drive Cam	250	0	0	0	0	0	0	0	0	0	2020	2020

**CITY OF HAMILTON
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CITY-WIDE**

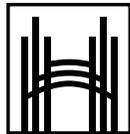
	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
Roads												
On Street Bike Facilities	300	0	0	0	0	0	0	0	0	0	2018	2020
Neighbourhood Speed Reduction Initiative	450	450	450	450	0	0	0	0	0	0	2019	2023
Traffic Counts Program	250	290	180	180	180	180	180	180	180	180	2020	Ongoing
Traffic Calming	300	300	300	300	300	300	300	300	300	300	2020	Ongoing
On Street Bike Facilities	300	350	350	350	400	400	400	800	800	800	2020	Ongoing
ATMS – Advanced Traffic Management System	750	750	750	750	750	750	750	750	750	750	2020	Ongoing
Traffic Signal Modernization	200	720	720	720	720	720	720	720	720	720	2020	Ongoing
Traffic Signal Upgrades	450	300	300	300	300	300	300	300	300	300	2020	Ongoing
Traffic Signal LED Lighting Upgrade Program	200	200	200	200	200	200	200	200	200	200	2020	Ongoing
Traffic Controller Replacement Program	400	400	400	400	400	400	400	400	400	400	2020	Ongoing
Traffic Engineering - Signal Design	200	200	200	200	200	200	200	200	200	200	2020	Ongoing
APS - Accessible Pedestrian Signals	100	150	150	150	150	150	150	150	150	150	2020	Ongoing
Plastic Pavement Marking Rehabilitation	400	500	500	500	500	500	500	500	500	500	2020	Ongoing
Pedestrian Crossovers	300	300	300	300	300	300	300	300	300	300	2020	Ongoing
Overhead Sign Structure	500	300	130	130	130	130	130	130	130	130	2020	Ongoing
Engagement Priorities - Vision Zero	500	600	600	600	600	600	600	600	600	600	2020	Ongoing
Education Priorities - Vision Zero	400	400	400	400	400	400	400	400	400	400	2020	Ongoing
Evaluation Priorities - Vision Zero	200	350	350	350	350	350	350	350	350	350	2020	Ongoing
Engineering Priorities - Vision Zero	600	800	800	800	800	800	800	800	800	800	2020	Ongoing
Complete Liveable Better Streets Manual	0	50	0	0	0	0	0	0	0	0	2019	2021
Local Road Asset Preservation	0	0	0	0	0	0	0	0	4,900	5,000	2020	Ongoing
Rural Hot Mix Program	0	0	0	0	0	0	2,800	4,000	4,000	4,000	2026	Ongoing
Contaminated Soil & Rock Disposal Program	0	220	0	0	220	0	0	220	0	0	2020	Ongoing
Snow Disposal Facility - LRT	0	250	0	0	0	0	2,500	1,500	1,500	0	2021	2028
Arterial Asset Preservation Program	0	0	0	0	0	3,000	7,000	7,000	15,000	8,000	2025	Ongoing
Bridge Replacement / Rehabilitation Reserve	0	0	0	0	0	740	1,370	0	7,900	8,000	2025	2029
LINC Rehabilitation	0	0	0	0	0	0	0	0	0	14,400	2029	2030
Traffic Signal Modernization Coordinated with Construction	0	300	1,050	0	530	0	0	0	0	0	2020	Ongoing
New Traffic Signal - Miscellaneous Locations	0	750	0	0	0	0	0	0	0	0	2021	2021
Sub - Total Roads	27,600	28,640	27,270	26,230	25,980	28,970	39,650	39,100	59,860	65,960		
Transit Services												
Terminal and End of Line Rehabilitation	150	75	75	75	75	75	75	75	75	75	2020	Ongoing
Bus Stop Shelter Rehabilitation	125	125	125	125	125	125	125	125	125	125	2020	Ongoing
Rapid Ready & Ten Year Local Transit Strategy Implementation	50	0	0	50	0	0	50	0	0	0	2017	2026
Nonrevenue Vehicle Replace Program	162	69	85	138	85	110	185	90	79	0	2020	Ongoing
Transit Shelter Expansion Program	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
ATS - Vehicle Replacement Program	1,400	0	0	0	0	0	0	0	0	0	2020	Ongoing
HSR Bus Expansion Program - 10 Year Plan	0	4,080	4,162	5,094	5,196	6,183	0	0	0	0	2017	2025
Transit Terminal Development	0	3,260	3,310	3,400	2,930	0	0	0	0	0	2019	2024

**CITY OF HAMILTON
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CITY-WIDE**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<u>Transit Services</u>												
HSR Expansion Buses - Modal Split	0	7,344	7,491	7,641	7,794	7,949	0	0	0	0	2020	2025
HSR Bus Replacement Program	0	30,324	17,784	12,688	12,163	12,045	15,545	15,856	14,500	37,003	2020	Ongoing
Active Transportation Connections	0	1,200	900	1,500	3,000	2,500	0	0	0	0	2020	Ongoing
PRESTO Equipment Replacement	0	0	0	0	0	0	0	4,825	0	0	2020	2027
Real-Time Information Infrastructure	0	2,000	0	0	0	0	0	0	0	0	2021	2021
Real-Time Operations Management	0	2,250	2,750	0	0	0	0	0	0	0	2021	2022
A-Line Priority Bus Corridor	0	2,000	2,000	2,000	2,500	0	0	0	0	0	2021	2024
Ranger Equipment Replacement	0	2,000	0	0	0	0	0	0	0	0	2021	2021
Birch Avenue Bridge/Road Works	0	0	31,000	0	0	0	0	0	0	0	2022	2022
Sub - Total Transit Services	2,037	54,877	69,832	32,861	34,018	29,137	16,130	21,121	14,929	37,353		
<u>Waste Management</u>												
Leaf & Yard Waste Composting Facility Relocation	200	0	4,000	0	0	0	0	0	0	0	2012	2022
Transfer Station/CRC Expansion & Capital Replacement	2,413	3,487	14,500	0	0	0	0	0	0	0	2015	2022
CCF Lifecycle Replacement	791	0	267	0	267	209	1,525	3,050	56,425	0	2019	2028
Waste Management By-Law - Support Fleet Acquisition	86	0	0	0	0	0	0	0	0	0	2020	2020
Waste Collections - Safe-Stop Trailer Attenuator	50	0	0	0	0	0	0	0	0	0	2020	2020
Waste Collection Fleet Replacement	1,700	0	0	500	0	0	0	0	0	0	2016	2023
MRF Lifecycle Replacement	650	0	0	0	0	0	0	0	0	0	2020	2020
Waste Management R & D Program	180	140	145	150	160	165	170	180	185	195	2020	Ongoing
Diversion Container Replacement Program	831	950	980	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2020	Ongoing
Public Space & Special Event Containers	50	250	250	250	250	250	250	250	250	250	2020	Ongoing
Glanbrook Landfill Capital Improvement Program	506	318	327	337	346	357	367	377	389	399	2020	Ongoing
Glanbrook Landfill Stage 3 Development- Cells C, D, & E	250	0	5,500	0	0	0	0	0	0	0	2020	2022
Closed Landfill Maintenance & Capital Improvement Program	371	384	396	409	423	437	450	465	480	496	2020	Ongoing
Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program	286	295	304	313	322	332	342	352	352	352	2020	Ongoing
Transfer Station/CRC Maintenance & Capital Improvement Program	213	217	221	226	230	235	240	244	244	244	2020	Ongoing
Environmental Services Legislative Compliance Program	185	185	185	185	185	185	185	185	185	185	2020	Ongoing
SWMMPP Approvals	150	150	150	150	150	150	150	150	150	150	2020	Ongoing
SWMMPP - Recommendation 6: Alternative Disposal Facility	0	200	200	0	0	0	96,000	96,000	0	0	2021	2027
Sub - Total Waste Management	8,912	6,576	27,425	3,520	3,333	3,320	100,679	102,253	59,660	3,271		
Total Public Works Tax Funded	66,014	131,770	158,432	91,630	95,118	91,659	187,353	195,011	165,316	155,806		
Total City-Wide Projects	128,109	205,501	219,721	144,898	147,764	143,286	235,482	243,959	217,955	197,673		

**CITY OF HAMILTON
 2020 RECOMMENDED PROJECTS &
 2021-2029 FORECAST
 FOR WARD**

	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>Start</u>	<u>End</u>
<i>Total Others</i>	<u>0</u>											
<i>Grand Total</i>	<u>244,027</u>	<u>548,220</u>	<u>322,164</u>	<u>272,296</u>	<u>299,899</u>	<u>256,569</u>	<u>330,736</u>	<u>334,970</u>	<u>339,648</u>	<u>297,525</u>		



Hamilton