



Hamilton  
City of Hamilton

**DEVELOPMENT CHARGES STAKEHOLDERS SUB-COMMITTEE  
REVISED**

**Meeting #:** 18-003  
**Date:** September 13, 2018  
**Time:** 10:00 a.m.  
**Location:** Room 192, 1st Floor  
71 Main Street West

Ida Bedioui, Legislative Coordinator (905) 546-2424 ext. 4605

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	<b>Pages</b>
<b>1. APPROVAL OF AGENDA</b> (Added Items, if applicable, will be noted with *)	
<b>2. DECLARATIONS OF INTEREST</b>	
<b>3. APPROVAL OF MINUTES OF PREVIOUS MEETING</b>	
3.1 June 14, 2018	3
<b>4. STAFF PRESENTATIONS</b>	
4.1 2019 Development Charge Study - Local Service Policy- by Watson & Associates	7
*4.1.a Hand-out	34
4.2 2019 Development Charge Study - Historical Service Standards - by Watson & Associates	65
*4.2.a Presentation with correction identified during the meeting	83
*4.2.b Hand-out	101
<b>5. GENERAL INFORMATION / OTHER BUSINESS</b>	

5.1 Memo from the Committee Clerk respecting the Outstanding Business List

201

6. PRIVATE AND CONFIDENTIAL

7. ADJOURNMENT



## **DEVELOPMENT CHARGES STAKEHOLDERS SUB-COMMITTEE**

### **MINUTES 18-002**

**Thursday, June 14, 2018**

**10:00 a.m.**

**Room 264**

**Hamilton City Hall**

**71 Main Street West**

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**Present:** Councillors J. Farr (Chair), D. Conley (Vice-Chair), M. Pearson, B. Johnson, and J. Partridge  
J. Summers, V. Webster and K. Loomis

**Absent with  
with regrets:** S. Mammel, W. Stewart and Y. Rozenszajn, personal

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### **THE FOLLOWING ITEMS WERE REFERRED TO THE GENERAL ISSUES COMMITTEE FOR CONSIDERATION:**

#### **1. 2019 Development Charges By-law Policy (FCS18062) (City Wide)**

##### **(B. Johnson/Pearson)**

- (a) That the Downtown Hamilton Community Improvement Project Area Development Charge Exemption be set at 50% effective July 6, 2019 and be reduced 10 basis points annually thereafter, subject to the results of the independent incentive review;
- (b) That the annual indexing transition policy, Section 37 of By-law 14-153, not be included in the 2019 Development Charges By-law;
- (c) That the 2019 Development Charge By-law not contain phasing provisions for the specific policy changes in Recommendations (a) and (b) Report FCS18062;
- (d) *That appropriate staff be directed to meet with the stakeholders to provide an update regarding the proposed changes to the Downtown Hamilton Community Improvement Project Area Development Charge Exemption;*

- (e) *That the offer made by the President of the Chamber of Commerce to facilitate the stakeholder meeting for the downtown developers, be accepted.*

**Main Motion, as Amended, CARRIED**

**2. Public Input Respecting the 2019 Development Charges By-law**

**(Farr/Conley)**

That appropriate staff be directed to hold a public engagement session respecting the proposed policy changes for the 2019 Development Charges By-law at the appropriate time and that all relative stakeholders, including members of the general public, be invited.

**CARRIED**

**3. Input Respecting the 2019 Development Charges By-law from the Agricultural Community**

**(Johnson/Partridge)**

That staff be directed to consult with the Agriculture and Rural Affairs Committee ensuring that representatives of the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) and the Ontario Federation of Agriculture are in attendance, and obtain the Committee's input respecting the proposed policy changes for the 2019 Development Charges By-law.

**CARRIED**

**FOR THE INFORMATION OF THE COMMITTEE:**

Members of the Sub-Committee and staff introduced themselves.

**(a) APPROVAL OF THE AGENDA (Item 3)**

**(Conley/Partridge)**

That the agenda be approved, as presented.

**CARRIED**

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

There were no declarations of interest.

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

**(i) March 1, 2018 (Item 3.1)**

**(Pearson/B. Johnson)**

That the Minutes of the March 1, 2018 meeting be approved.

**CARRIED**

**(d) PRESENTATIONS (Item 4)**

**(i) 2019 Development Charges – Update (Item 4.1)**

Lindsay Gilles, Senior Financial Analyst, and Gary Scandlan from Watson & Associates Economists Limited, the City's Consultant, addressed Committee with the aid of a PowerPoint presentation. A copy was printed in the agenda and a copy is available for viewing on the City's website.

**(Pearson/Conley)**

That the joint consultant/staff presentation be received.

**CARRIED**

For further disposition of this matter, refer to Items 2 and 3.

**(e) DISCUSSION ITEMS (Item 5)**

**(i) 2019 Development Charges By-law Policy (FCS18062) (City Wide)  
(Item 5.1)**

**(Farr/Pearson)**

*That the staff recommendations be amended by adding the following subsections (d) and (e):*

**(d) *That appropriate staff be directed to meet with the stakeholders to provide an update regarding the proposed changes to the Downtown Hamilton Community Improvement Project Area Development Charge Exemption;***

**(e) *That the offer made by the President of the Chamber of Commerce to facilitate the stakeholder meeting for the downtown developers, be accepted.***

**Amendment CARRIED**

**(f) ADJOURNMENT (Item 7)**

**(Partridge/Pearson)**

That, there being no further business, the Development Charges Stakeholders Sub-Committee, be adjourned at 12:30 p.m.

**CARRIED**

Respectfully submitted,

Councillor J. Farr, Chair  
Development Charges  
Stakeholders Sub-Committee

Ida Bedioui  
Legislative Co-ordinator  
Office of the City Clerk



# 2019 Development Charge Study: Local Service Policy

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Development Charges Stakeholders Sub-Committee

City of Hamilton

September 13, 2018



# Agenda – Local Service Policy Presentation

- Refinements to Growth Forecast (Quick update)
- Local Service Policy
  - Overview
  - Parkland
  - Natural Heritage Systems
  - Water / Wastewater
  - Stormwater
  - Services Related to a Highway





# Refinements to the Growth Forecast

- The growth forecast is used for the purposes of calculating the service standards, to assist in identifying the capital needs required to service both population and employment growth in the city, and to calculate the quantum of the Development Charges
- Previous presentation to Committee incorporated building permits up until April. Now updated to reflect May building permits, and as a result the estimates for Early 2019 was adjusted
- Minor adjustments to the housing mix (mainly in medium density) due to historical housing mix
- Due to the adjustments to the historical housing data the PPU decline in 2016 to 2019 was also slightly adjusted, which impacted the early 2019 number
- Minor changes in work at home and no fixed place of work due to the minor adjustments in the population.



# Growth Forecast

Year	Population <sup>1</sup>	Employment	Housing Units	Persons Per Unit <sup>2</sup>
Mid-2006	523,500	221,600	194,500	2.595
Mid-2011	539,500	219,200	203,800	2.551
Mid-2016	557,100	232,500	211,600	2.537
Early-2019	570,600	239,000	217,800	2.525
Early-2029	638,100	285,100	250,700	2.453
Mid-2031 <sup>3</sup>	660,000	300,000	260,200	2.445

<sup>1</sup> Population includes a Census undercount estimated at approximately 3.7%.

<sup>2</sup> Based on population excluding Census undercount.

<sup>3</sup> 2031 population and employment figures based on 2006 Growth Plan 2031A Targets



# Growth Forecast

Forecast Population and Housing Growth	10 Year (Early 2019 – Early 2029)	12 Year (Early 2019 – Mid 2031)
Net Population Increase <sup>1</sup>	67,500	89,400
Total Residential Unit Increase	32,900	42,400
Low Density <sup>2</sup>	13,000	16,500
Medium Density <sup>3</sup>	10,300	13,150
High Density <sup>4</sup>	9,600	12,750

<sup>1</sup> Includes an estimated Census undercount of approximately 3.7%

<sup>2</sup> Singles and semi-detached

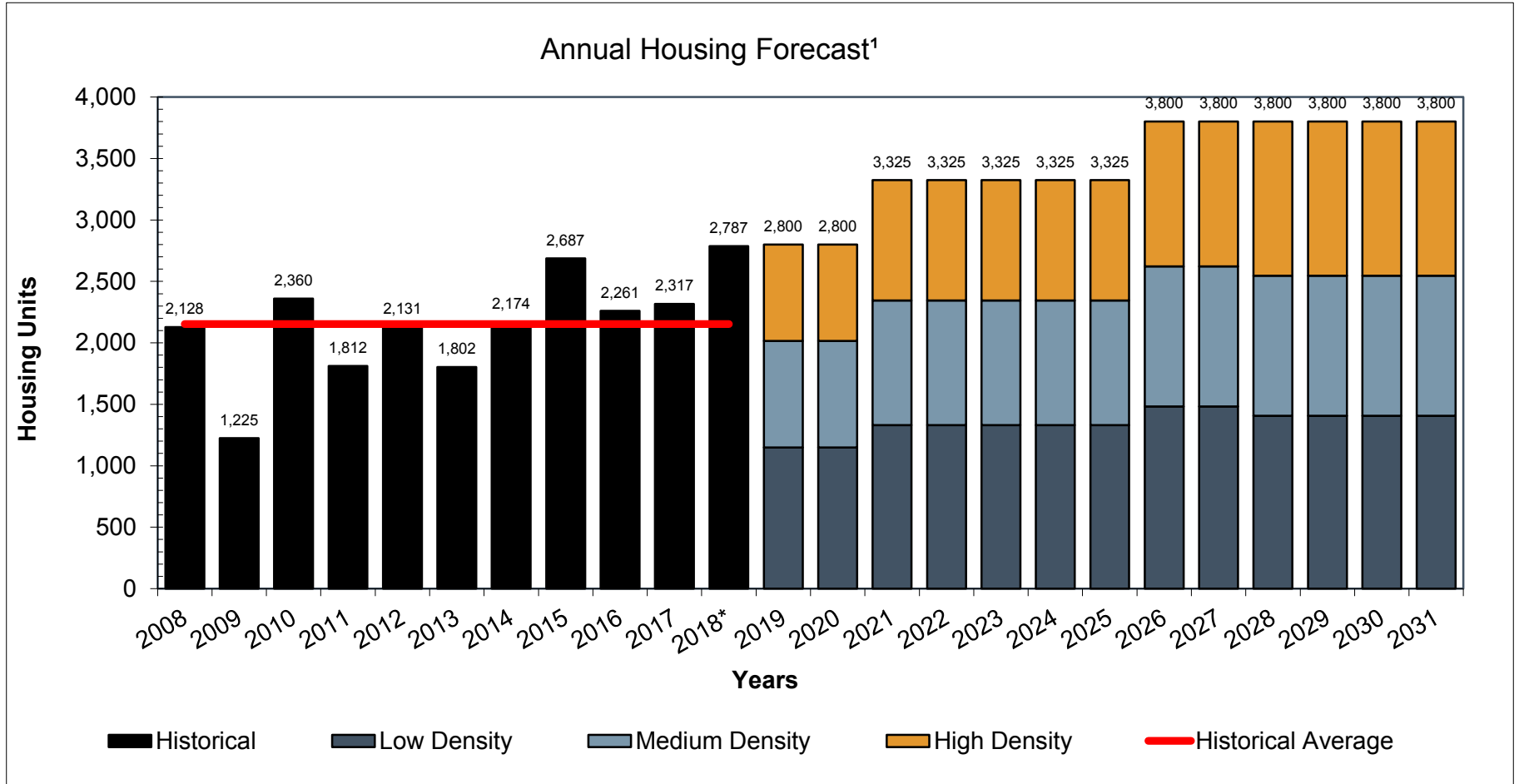
<sup>3</sup> Townhouses

<sup>4</sup> Apartments

Note: Numbers may not add up due to rounding.



# Growth Forecast



\* 2018 is a Watson & Associates Economists Ltd. estimate based on City of Hamilton building permit data from January to May 2018



# Growth Forecast

Forecast Employment Growth by Sector	10 Year (Early 2019 – Early 2029)	12 Year (Early 2019 – Mid 2031)
Primary	200	235
Work at Home	2,970	3,270
Industrial	12,080	16,950
Commercial/Population-Related	16,920	22,770
Institutional	9,540	12,185
No Fixed Place of Work	4,400	5,570
<b>Total Employment Increase</b>	<b>46,110</b>	<b>60,980</b>

Note: Numbers may not add up due to rounding.



# Growth Forecast

Forecast Non-Residential Gross Floor Area Increase (G.F.A. ft <sup>2</sup> )	10 Year (Early 2019 – Early 2029)	12 Year (Early 2019 – Mid 2031)
Industrial	14,501,000	20,336,000
Commercial/Population-Related	7,615,000	10,247,000
Institutional	6,676,000	8,528,000
<b>Total Non-Residential Gross Floor Area Increase (G.F.A. ft<sup>2</sup>)</b>	<b>28,792,000</b>	<b>39,111,000</b>

Note: Numbers may not add up due to rounding.



# Local Service Policy - Overview

- The D.C.A. distinguishes between costs which are borne directly by the developing landowner (i.e. a “local service”) vs the broader offsite costs which are to be included in the D.C.
- Subdivision Agreement Conditions – over time, the Act has broadened the coverage of subdivision agreements to include “local services related to a plan of subdivision or within the area to which the plan relates”, rather than simply local services within a plan of subdivision, as under the prior versions of the Act.
- This suggests the need for a D.C. Background study to provide a local service policy.



# Local Service Policy - Overview

## Items to Consider in Local Service Policy

- Collector & Arterial Roads
- Intersection Improvement and traffic signals
- Street lights and Sidewalks
- Bike Routes/Bike Lanes/Bike Paths/Multi-Use Trails/Naturalized Walkways/active transportation
- Noise Abatement Measures
- Land dedications/easements
- Water, wastewater and stormwater
- Parkland and natural heritage dedications





# Local Service Policy - Overview

## Update on Bill 73: No Additional Levies

- New section 59.1(1) and (2) of the Act - prohibits municipalities from imposing additional payments or requiring construction of a service not authorized under the D.C.A. – however, continues the provision for developing landowners to contribute local services to the municipality
- This new requirement emphasizes the need to clearly express what the developer responsibilities are vs. what costs are to be included in the D.C.
- The policies provided herein, generally follow the City's current practices but are expressed to ensure clarity due to the new 'no additional levies' provision imposed by Bill 73



# Local Service Policy – Parkland

- Recreational Trails (Trails, Multi-use trails, pathways, sidewalks)
  - Recreational trails and their associated infrastructure internal to development and not part of City’s active transportation network are a direct developer responsibility
  - Recreational trails and their associated infrastructure external to development and not part of City’s active transportation network include in Outdoor Recreation D.C.’s
- Parks & Open Spaces
  - Park/Open Space development to base condition (tree removal, clearing & grubbing; topsoil stripping, screening, and stockpiling; rough grading; topsoil; 1.5m chain link perimeter fencing; and seeding) developer responsibility
  - Sports facilities, play structures, sun shelters, multi-purpose courts, plantings, site furnishings, etc. include in D.C.



# Local Service Policy – Natural Heritage System

- Direct developer responsibility:
  - Planting internal to development as required by the City as part of the creation of a vegetation protection zone (V.P.Z.)
  - Fencing internal to the development at the boundary of the V.P.Z.
  - Non-traditional fencing (plantings, bollards etc.) to delineate boundaries of protected areas
  - Compensation planting requirements for tree removal
  - Mitigation measures (i.e. plant salvage, habitat restoration, monitoring etc.) that may be internal or external to development



# Local Service Policy – Water/Wastewater

- Category 1 – Projects external to proposed development lands include:
  - New infrastructure or upgrades to existing infrastructure required to service more than one proposed development (in greenfield or intensification areas):
    - If upgrade is triggered by growth and growth is  $\leq$  approved Traffic Survey Zone Report include partially or wholly in D.C.
    - Where planned growth exceeds planned Traffic Survey Zone Growth and system capacity growth, direct developer responsibility



# Local Service Policy – Water/Wastewater

- Category 2 – Projects within proposed development lands:
  - Direct Developer responsibility for sanitary sewers  $\leq 450$  mm diameter and watermains  $\leq 300$  mm diameter
  - Facilities (water pumping station, reservoirs or elevated tanks and wastewater pumping stations) servicing a single development, direct developer responsibility. If servicing multiple developments, include in D.C.
  - Water and wastewater treatment, include in D.C.



# Local Service Policy – Stormwater

- Storm sewer oversizing definition related to minimum velocity and slope
- Definition of watercourse work downstream off-site outlets to service more than one development, including open watercourses and/or culverts and storm sewers
- Updated valuation of land for SWM facilities
- Stormwater Management Facilities (S.W.M.F.) in Series
- Combined Residential / Non- Residential S.W.M.F.
- Oversizing of S.W.M.F. due to Downstream Constraints
- 100 Year Control in S.W.M.F.
- New S.W.M.F. in Greenville Rural Settlement Area (R.S.A.)
- Criteria for S.W.M.F. in Airport Employment Growth District (A.E.G.D.)
- City Standard for Total Drainage Area to S.W.M.F.
- City Standard for S.W.M.F. treating Public Roads / Single Applicants
- Definition of Underground Tanks for S.W.M.F. not D.C. Eligible



# Local Service Policy – Stormwater

- Definition of S.W.M.F. servicing Mixed Use Buildings
- Definition of S.W.M.F. servicing Commercial Lands
- Tailwater Impacts on Land for S.W.M.F.
- Construction Cost estimates for S.W.M.F.
- Bedrock Impacts on S.W.M.F. Cost estimates and actuals
- Frontage Calculation for S.W.M.F.
- Definitions for Culverts and Bridges (as related to road infrastructure)
- Definition for Culverts and Bridges D.C. Eligible Costs
- Watercourses Definitions
- Watercourse Enclosures Not D.C. Eligible
- Combined Sewer Watershed Peak Flow Control
- Combined Sewer Watershed Provisional D.C. eligible projects
- Combined Sewer Watershed Provisional Outlets
- Monitoring (holistic) of more than one development D.C. Eligible



# Local Service Policy – Stormwater

- Storm Sewers:
  - $\leq 1200$  mm developer responsibility
  - $> 1200$  mm oversizing in D.C.
  - Temporary sewers, private drain connections, or private systems developer responsibility
- Stormwater Management Facilities
  - Centralized wet and dry ponds identified in City's SMP, MP, MDP, or Watershed/Subwatershed Studies included in D.C. Otherwise, developer responsibility
  - Facilities serving only non-res areas, direct developer responsibility
  - Facilities serving both res and non-res, only res portion included in DC, non-res portion is developer responsibility
  - Quality treatment by mechanical means (i.e. oil/grit separators), direct developer responsibility





# Local Service Policy – Stormwater

- Greensville Rural Settlement Area – development parcel over 5 hectares requiring centralized facility including treatment of rural roads is part of D.C.
- A.E.G.D. on site quality controls developer responsibility,
- Underground tanks and public road/single applicant non-communal facility, developer responsibility
- Land for facilities
  - Footprint area = 6% of wet pond drainage area (quantity and quality) or 4% of dry pond drainage area (quantity only) except the Fruitland-Winona Secondary Area where 10% of drainage area is used
  - Included in D.C. based on lesser of footprint area or approved design



# Local Service Policy – Stormwater

- Construction of facilities capital cost included in D.C.'s based on unit rate of \$80/m<sup>3</sup> for first 6500m<sup>3</sup>, and \$40/m<sup>3</sup> for volume in excess of 6500m<sup>3</sup>.
- Increased cost due to bedrock included in D.C., an allowance to be provided based on actual cost up to a maximum unit rate of \$80/m<sup>3</sup>.
- Frontage calculation having average length/upset limit of 120m and \$1,500/m paid for by D.C.
- Features eligible for D.C.'s include erosion & sediment control, excavation, fine grading, decanting areas, forebay structures, outlet control structures, inlet control structures, emergency spillways, maintenance access roads, landscaping & pond signage
- Engineering fees on projects included in the D.C. are eligible for D.C.'s
- Performance monitoring of SWM facilities or development impact monitoring, developer responsibility



# Local Service Policy – Stormwater

- Culverts and Bridges for all crossings up to 20m local road cross section direct developer responsibility
- Culverts and Bridges for all crossings in excess of 20m local road cross section, the fraction of length greater than 13m, divided by the total length is D.C. eligible
- Watercourses developer responsibility
- Combined sewer watershed to control future land use 100-year peak flow to predevelopment land use 2-year levels developer responsibility
- Combined sewer watershed, subject to future study by City, provisionally to have communal SWM facility, D.C. eligible.
- Combined sewer watershed new outlets D.C. eligible where development may be serviced by separate storm sewer and new suitable outlet shared 50/50 developer and City



# Local Service Policy – Services Related to a Highway

- New sidewalks, sidewalks to fill in network gaps, sidewalks associated with the urbanization of roads or sidewalk enhancements and widenings;
- roundabouts, traffic calming features, left and right turn lanes, medians, lay-bys, pedestrian cross-overs;
- active transportation (i.e. trails, pathways, cycle tracks, bike share facilities and services, other cycling amenities; sustainable mobility programs);
- signage;
- related utilities; and
- temporary works to facilitate the implementation of any of the above.
- New section (3.6) dealing with Sustainable Modes Programs and Travel Demand Management (TDM).



# Local Service Policy – Services Related to a Highway

- The Hamilton Official Plan and the Hamilton Transportation Master Plan puts heavy emphasis on designing corridors, streets and paths with full consideration given to transit, cyclists and pedestrians.
- Consequently the design elements of a highway must embrace all categories of the transportation system users and needs to provide a *Complete Street*.
- Complete streets is a concept that defines a highway as a transportation facility that provides safe and comfortable travel for a wide variety of users, regardless of mode, level of ability, and age.



# Local Service Policy – Services Related to a Highway

- Complete streets: all land, services and infrastructure built to support the movement of people and goods via different modes of transportation (i.e. vehicles, pedestrians, cyclists, transit vehicles etc.)
- Services and infrastructure include:
  - Road pavement, sub-structure and curbs (including curb extensions between queue jump lanes and bus bays), traffic control systems, signals and related technologies, transit lanes, queue jump lanes, bus bays, stops and amenities, roadway illumination systems, boulevard and median surfaces, street trees, streetscaping and landscaping, noise attenuation systems, signage, railings, safety barriers;
  - Sidewalks, roundabouts, traffic calming features, left and right turn lanes, medians, lay-bys, pedestrian cross-overs, active transportation facilities and mobility programs, parking lanes and driveway entrances;
  - grading, drainage and retaining wall features;
  - grade separation / bridge structures, culvert structures and storm water drainage systems;
  - related utilities; and
  - temporary works to facilitate the implementation of any of the above.



# Local Service Policy – Services Related to a Highway

- Local roads are the developer's responsibility
- Collector roads internal to a development are the developer's responsibility
- Collector roads external to the development are the developer's responsibility net of applicable oversizing requirements which will be included in the D.C.
- Arterial roads include in D.C. for new widened extended or upgraded arterials inclusive of all associated infrastructure



# Local Service Policy – Services Related to a Highway

- Land Acquisition:
  - Arterial roads on existing R.O.W. to be dedicated under the Planning Act. In areas with limited development costs may be included in D.C.
  - New arterial roads dedication under Planning Act where possible acquisitions for widenings and/or oversizing beyond Collector Standard or where located in area with limited development included in D.C.
  - Land beyond normal dedication include in D.C.





# Local Service Policy

- Questions

Up Next:

- 2019 Development Charge Background Study:  
Historical Service Standards



# 2019 Development Charges Background Study – Draft Local Service Policy (Draft Appendix E to D.C. Study)

City of Hamilton

Development Charges Stakeholders Sub-Committee

September 13, 2018

Watson & Associates Economists Ltd.  
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# Draft Appendix E: Local Service Policy

## E.1 Local Service Policy for Stormwater Drainage Systems

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Stormwater runoff “minor” systems are designed and implemented to accommodate drainage to avoid property damage and flooding and to minimize inconvenience to the public from 1 in 5-year rainfall events. Minor systems are typically comprised of underground piping, manholes, catch basins, and outfall structures in addition to a rural type drainage system consisting of ditches and culverts.

Stormwater runoff “major” systems are designed and implemented for flood control to avoid loss of life, injuries, and significant damage to property from events greater than 1 in 5-year return producing unusual high intensity rainfall and/or large volume run-off. Major systems can be large diameter underground piping, open channels, road overland flow route, stormwater facilities, natural streams, or any combination thereof, capable of conveying run-off, from events up to and including a 1 in 100 year return period, to the ultimate receiving stream or water body.

The following should be read in conjunction with the City’s Financial Policies for Development.

### E.1.1 Storm Sewers

1. The Developer is responsible for the full cost of all storm sewer mains up to and including 1,200 mm diameter in size (the local service component).
2. Storm sewers larger than 1,200 mm diameter in size are considered trunk sewers for the purposes of oversizing and are eligible for Development Charges (D.C.) contribution based flat rates outlined in the City’s Financial Policies for Development.

Storm sewer sizing to be designed to City standard criteria for minimum velocity (0.9 m/s) and slope (0.2 %), to convey the 5 year event assuming a 5 year downstream boundary water level, without surcharging. Elliptical pipes are to be converted to equivalent circular diameter for oversizing calculation. Oversizing as a result of lower than standard velocity/slope/hydraulic grade line due to site design conditions is the responsibility of the local development and not D.C.



eligible (excluding industrial lands as per the City's "Comprehensive Development Guidelines and Financial Policies Manual, 2017").

3. Storm sewers conveying an event larger than five (5) year return period (i.e. major system flows) are not eligible for D.C. contributions unless required to do so by the City.
4. The construction of storm sewers deemed to be temporary are not eligible for D.C. contributions.
5. Installation of private drain connections or private systems is considered a local service component and is the developer's responsibility.
6. The construction of on-site open watercourse and overland flow routes for conveyance Internal to a Development is considered a local service component and is not eligible for D.C. contributions. The construction of downstream off-site outlets to service more than one development, including open watercourses and/or culverts and storm sewers, identified through the City's Stormwater Master Plan, a Master Plan, a Master Drainage Plan, a Watershed/Subwatershed Study or a Block Plan or Neighbourhood Plan, has been included in the D.C. Background Study and is eligible for D.C. contributions.

### **E.1.2 Stormwater Management Facilities**

#### **7. Stormwater Management Facilities (S.W.M.) in Series**

If the stormwater management plan for local development involves two or more S.W.M. facilities in series, conveyance of the controlled 100-year peak flow between facilities in series is not D.C. eligible for oversizing (the connecting works are not considered to be part of the S.W.M. facility and outlet structure and appurtenances). However, if local 5-year flows are added to the storm sewer between the facilities in series, then the potential oversizing (compared to the sewer without any local inflow) is D.C. eligible.

8. Centralized stormwater management facilities (e.g. wet ponds and dry ponds) identified through the City's Stormwater Master Plan, a Master Plan, a Master Drainage Plan, or a Watershed/Subwatershed Study have been included in the D.C. Background Study and are eligible for D.C. contributions.
9. A stormwater management facility not identified in an approved City Stormwater Master Plan, a Master Plan, a Master Drainage Plan, or a Watershed/Subwatershed Study is deemed a local service component and not



eligible for D.C. contributions or exemptions unless demonstrated through an approved stormwater management study to be a greater public benefit.

10. Stormwater quality treatment by mechanical means (i.e. oil/grit separators) is not eligible for D.C. contributions.
11. Stormwater management facilities serving only non-residential areas (i.e. industrial, commercial, institutional) are not eligible for D.C. contributions.
12. For stormwater facilities which benefit both residential and non-residential only the residential portion will be eligible for D.C. contributions. The portion servicing the non-residential land uses shall be the financial responsibility of the developer.

### **E.1.3 Combined Residential / Non- Residential**

Where a centralized (communal) facility serves both residential and non-residential parcels, the cost is shared by the ratio of the areas served and factored by the respective runoff coefficients. Note that the non-residential area, if commercial, may also be required to provide lot-level quality controls, depending on location.

13. The construction of stormwater facilities deemed by the City to be temporary as part of the phasing of development is not eligible for D.C. contributions. Such a facility may be considered for D.C. contribution in the future if it is subsequently determined to be a permanent municipal facility forming part of the City's centralized system.
14. The Developer is responsible to acquire lands for stormwater management facilities External to a Development. The City will not act as a third-party agent in the negotiation and acquisition of lands for stormwater management facilities on behalf of private interest, unless otherwise approved by Council.

### **15. Oversizing – Downstream Constraints**

If local development improves an existing downstream constraint to conveyance, e.g. mitigation or removal of historically observed/recorded surface or basement flooding due to inadequate capacity of the existing culverts and/or sewers downstream, then a portion of this work may be D.C. eligible subject to a detailed study that the developer shall provide at their cost.



### **16. 100 Year Control**

City policy dictates that the controlled 100-year outlet flow from the facility is required to be conveyed in an enclosure to the development outlet, and potentially also beyond the development limit, to the receiving watercourse. This is considered by the City to be part of the outlet works, which is the responsibility of the development. (Note: current City practice is to request the development to enclose the 100-year peak flow between the S.W.M. block and the outlet, and not spill onto City roads). If the S.W.M. facility outlet pipe size exceeds 1,200 mm to convey the controlled 5-year flow, then there may be a City share in accordance with the oversizing policy.

### **17. Greensville Rural Settlement Area (R.S.A.)**

Development parcels over 5 ha which require a centralized facility (wet pond or wetland), which includes treatment of public roads, are D.C. eligible.

### **18. Airport Employment Growth District (A.E.G.D.)**

Stormwater quality controls to be provided on-site by local developers (ref. City A.E.G.D. Subwatershed Study, April 2017).

Neighbourhood quantity control facilities to be dry ponds, per Federal Transport Canada regulation prohibiting wet ponds in the vicinity of airports.

The neighbourhood dry ponds serving roads with 26 m or greater right-of-way (R.O.W.), are partially D.C. eligible on account of also controlling runoff from subject public roads. The City estimates the share to be 5% of the total area of road R.O.W. contributing. Notwithstanding, non-residential stormwater management facilities are currently exempted from the City stormwater D.C.

### **19. City Standard**

Proposed facilities not to exceed 40 ha of drainage area (based on limits associated with overland runoff conveyance in road R.O.W.s).



## 20. Public Roads / Single Applicants

In the case of a Public road draining to a non-communal facility under single applicant, the developer would construct the facility, and the City assumes and maintains facility, hence not D.C. eligible.

## 21. Underground Tanks

The City definition of D.C. eligible facilities is amended to exclude underground storage tanks. Also, by definition, single ownership (not centralized or communal) facilities are governed by the Planning Act and are not D.C. eligible.

## 22. Mixed Use Buildings

In mixed use buildings, where the residential square foot area is equal to or more than the non-residential area, the facility is assigned to the residential section of the D.C.

## 23. Commercial Lands

When a commercial parcel or parcels is nested within a predominantly residential area, and serviced by a residential S.W.M. facility, the commercial parcels are required to manage their own runoff (i.e. quality control) and are assigned a zero share of the centralized/communal quantity control volume.

### E.1.4 Land for Stormwater Management Facilities

24. Calculation of Land Area: The footprint (area of land) for stormwater management facilities in the D.C. Background Study is the larger of the footprint required by:

- a. 6% of the drainage area for a wet pond (quality and quantity) facility; or
- b. 4% of the total contributing drainage area for a dry pond (quantity only) facility or a footprint area determined by a supporting study. An exception to this are lands within the Fruitland-Winona Secondary Plan (i.e. Stoney Creek Urban Boundary Expansion (S.C.U.B.E.)) where 10% of the drainage area was used to establish the footprint.

25. Valuation of Land: The value of land for stormwater management facilities in the D.C. Background Study have been established as follows:

- a. Land designated in the Official Plan for development in Ancaster and Waterdown - \$754,800/Acre (\$1,853,000/ha).





- b. Land designated in the Official Plan for development in Hamilton, Stoney Creek, Dundas, Glanbrook – \$652,800/Acre (\$1,581,000/ha).
  - c. Land located outside the Urban Boundary shall be based on Open Space value established by an independent real estate appraisal to be obtained at the cost of the developer.
26. D.C. contributions allocated to land costs for stormwater management facilities shall be the lesser of the footprint area identified in D.C. Background Study or the approved design.
27. D.C. contributions allocated to land costs for stormwater management facilities shall be limited to lands within an approved block net of any identified setbacks and buffers (e.g. Ministry of Transportation (M.T.O.), the City's Natural Heritage System).
28. Land Footprint Contingency: Land cost will be based on actual stormwater management footprint size at the established land value as outlined in Clause 25. The Land Footprint Contingency will be used to compensate for facilities with a footprint size larger than identified on the individual project.
29. Engineering fees are not eligible for D.C. contributions for land acquisition costs.

### **30. Tailwater Impacts on Land**

If local downstream grades beyond the development limits create tailwater conditions at a facility outlet (e.g. flat topography), the land area requirements to achieve the required stormwater volumes will be more and therefore will increase the cost of the facility above the average cost for a facility using the unitary relationships. Detailed studies are required to identify potential candidate facilities to which this condition applies, in order to be able to include this higher cost in the D.C. In the absence of studies, the City has estimated the facilities for which this is potentially a condition, and for sizing allocated 10% of the contributing drainage area (e.g. S.C.U.B.E. facilities) versus 6% under standard size.

### **E.1.5 Construction of Stormwater Management Facilities**

31. Capital costs assigned to the individual projects are based on \$80/m<sup>3</sup> of total volume for the first 6,500 m<sup>3</sup>, and \$40/m<sup>3</sup> of total volume for the balance of storage volume in excess of 6,500 m<sup>3</sup>. The costs are adjusted annually for inflation using





the Statistics Canada Quarterly, Non-Residential Construction Price Index (Table 18-10-0135-01) for the most recent year-over-year period as set out in D.C.A and reviewed with every D.C. study

### **32. Bedrock Impacts**

If local conditions dictate that part of a facility excavation is required to be in rock, this will increase the cost of the facility above the average cost for a facility.

Therefore, detailed studies are required to identify potential candidate facilities.

In the absence of studies, the City has estimated probable facilities which will be in rock. An allowance has been made to increase the unit cost for rock excavation for these facilities, based on actual costs, up to a maximum of \$80/m<sup>3</sup>.

### **33. Frontage Calculation**

Facility frontage calculation has been updated to be based City actuals database having an average length and upset limit of 120 m and \$1,500/m.

34. Capital costs will be paid based on tendered prices in accordance with the City's Financial Policies, to an upset limit established based on the required total storage at the unit cost as outlined in Clause 31.

35. Stormwater Management features eligible for D.C. contribution include the following:

- a. Erosion and Sediment control
- b. Excavation (excludes cost to haul surplus material off site and/or placement and compaction of surplus material within subdivision)
- c. Fine grading
- d. Decanting areas
- e. Forebay structures, pond liner, cooling trenches, etc.
- f. Outlet control structures within the facility
- g. Inlet control structures (e.g. flow splitter manhole and headwall) excluding the inlet conveyance pipe upstream of the forebay headwall.
- h. Emergency spillways
- i. Maintenance access roads
- j. Landscaping and pond signage



36. Engineering fees (design and soft costs) are included in the capital cost assigned to individual projects in the D.C. Background Study.
37. Performance monitoring or development impact monitoring of S.W.M. facilities are not eligible for D.C. contributions.
38. Facility Volume Contingency: Eligible capital cost will be based on the required total storage volume at the established capital cost rate as outlined in Clause 20. The Facility Volume Contingency will be used to compensate for facilities larger in size than identified on the individual project.
39. Stormwater management facilities eligible for D.C. contributions must be publically tendered in accordance with the City's Financial Policies for Development.
40. D.C. contribution for land value and capital cost are independent.

#### **E.1.6 Culverts and Bridges**

##### **41. Culverts and Bridges (as related to road infrastructure)**

The responsibility for the cost of stormwater conveyance infrastructure associated with road infrastructure, as part of new development or redevelopment, is to be determined as follows:

1. The costs of stormwater infrastructure items (excluding land) shall be direct developer responsibilities as a local service for:
  - a. all crossings (new or extending or replacement) up to the 20 m local cross-section for roads that are required to service the development
2. The costs of stormwater infrastructure items shall be eligible for inclusion in a stormwater Development Charge for:
  - a. new crossings (e.g. culverts/bridges) for roads greater than 20 m, where the D.C.-eligible portion is the fraction calculated by the length in excess of the width of 13.0 m (defined by the standard 8.0 m width of pavement, plus 2 x 0.5 m curbs, and plus 2 x 2.0 m sidewalks required for a local road), divided by the total length (i.e. the City cost share is 13 m divided by the total length of the proposed crossing in m).
  - b. Extensions to culverts/bridges for road R.O.W.s greater than a 20 m R.O.W., and length of crossings greater than 13 m, 100 % D.C. eligible.



Summary of D.C. Eligibility for Culverts/Bridges					
Road Type	Road Right-of-Way Width	Culvert/Bridges (1)	Oversizing of Storm Sewers and Ditches for Conveyance and/or Treatment (A.E.G.D.) (2)	Contributing to Neighbourhood S.W.M. (A.E.G.D.)	Existing Culvert/Bridge Upgrades to meet City Design Standards (3)
<b>Urban Local</b>	20 m				
<b>Urban Collector</b>	26 m	Length greater than 13 m is D.C. eligible, costed as a fraction of the total length	In A.E.G.D., a 26 m road is 100 % developer responsibility; not D.C. eligible	Not D.C. eligible	a portion is D.C. eligible
<b>Urban Arterial Minor</b>	32 m	Length greater than 13 m is D.C. eligible, costed as a fraction of the total length	Subject to study, oversizing of stormwater conveyance elements greater than 26 m may be D.C. eligible	5 % of road R.O.W. assumed to contribute to facility, D.C. eligible	a portion is D.C. eligible
<b>Urban Arterial Major</b>	40 m	Length greater than 13 m is D.C. eligible, costed as a fraction of the total length	Subject to study, oversizing of stormwater conveyance elements greater than 26 m may be D.C. eligible	5 % of road R.O.W. assumed to contribute to facility, D.C. eligible	a portion is D.C. eligible
<b>Rural Local</b>	20 m	N/A			a portion is D.C. eligible
<b>Rural Collector</b>	20 m	N/A			a portion is D.C. eligible
<b>Road Widening for Development</b>	varies				Extensions to existing culverts bridges beyond the minimum 13 m length are D.C. eligible

## Notes:

1. slopes on culvert ends are assumed common for urban roads hence the weighting is proposed to use pavement/curb/sidewalk width only
2. For A.E.G.D. only, road-specific Low Impact Development Best Management Practices (LID BMPs) will require an update to City Standards. Notwithstanding, non-residential stormwater management facilities are currently exempted from the City stormwater D.C.
3. Notwithstanding, non-residential stormwater management facilities are currently exempted from the City stormwater D.C.
4. Existing culvert/bridge upgrades will be subject to study to determine remaining service life of existing culvert/bridge and D.C. eligible portion



## **E.1.7 Watercourses**

### **42. Watercourses**

Local development is responsible for any watercourse realignment and/or enclosures within its development limits. Local development is responsible for conveyance of upstream external flows through its development. Watercourse works to accommodate runoff from the development, external to the development, identified in City Master Drainage Plans and/or other related studies are D.C. eligible, proportionate to growth serviced by the watercourse.

### **43. Watercourse Enclosures**

Watercourses enclosed by the development are not subsequently eligible for storm sewer oversizing under the D.C.

## **E.1.8 Combined Sewer Watershed**

### **44. Combined Sewer Watershed**

Current City practice is to control the future land use 100-year peak flow to pre-development land use 2-year levels, and required storage is the responsibility of development and not D.C. eligible. D.C. eligible projects have been added as provisional items. Future studies will define locations for these provisional items.

### **45. Combined Sewer Watershed**

New stormwater outlets potentially created through studies will be D.C. eligible where new development may be serviced by new separate storm sewers and a new suitable outlet. Stormwater costs will be shared 50/50 between the City (existing) and new development. The City will identify candidate locations subject to future study.

## **E.1.9 Miscellaneous**

### **46. Monitoring (holistic)**

Local monitoring of stormwater infrastructure built within the local development is the responsibility of the local developer. Holistic monitoring of more than one development (i.e. typically based on a Secondary Plan or Tertiary Plan Area) is D.C. eligible (included in list of D.C. eligible studies), and is currently proposed as



a minimum for Elfrida, Greenville, S.C.U.B.E., and the A.E.G.D. lands. Estimated costs for a 7 to 10-year duration of multi-disciplinary monitoring is \$2M per study, based on recent similar studies in the Greater Golden Horseshoe area.

## E.2 D.C.'s – Local Service Policy for Water and Wastewater

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Utilizing the City's development assumptions, the water and wastewater infrastructure required to service these areas was identified. To determine if a project is a Development Charges (D.C.) related project, the following two categories were considered:

**Category 1 - Projects External to Proposed Development Lands** (i.e. on existing road allowance and servicing more than one development)

The following project descriptions fall into Category 1 and will be fully or partially allocated to Development Charges:

- New infrastructure or upgrades to existing City infrastructure required to service more than one potential proposed development and/or development property, whether in a Greenfield area or Intensification area. This includes upgrades to infrastructure that is upstream (water) or downstream (wastewater) of multiple developments.
  - If an upgrade is triggered by growth (single or multiple potential development) and that planned growth is less than or equal to the approved Traffic Survey Zone growth, the upgrade will be all or partially allocated to Development Charges
  - In the case that a development plans to have more growth than is planned for (by approved Traffic Survey Zones and system capacity) and if the infrastructure upgrade is as a result of growth over and above what is approved, that additional oversizing shall be the responsibility of the Developer (Direct Developer)
- This may include watermains for transmission, distribution and looping

New projects that physically lie outside of a proposed development, but only service a single development can be considered to be part of **Category 2**. e.g. New sewer on



existing road right of way (external to development) to service a new building on land not already serviced, with no additional developments potentially draining to the new sewer

Local cost recoveries will be made on a site-specific basis based on frontage and/or drainage area

**Category 2 - Projects Within Proposed Development Lands** - The following project descriptions fall into Category 2:

- Water and sewer infrastructure that is required to directly service the proposed development lands.
- Water and sewer infrastructure that is required to directly service the proposed development lands *and* potentially “oversized” in consideration (capacity, looping or fire protection) of additional proposed developable lands that are normally serviced via proposed development property.

In regards to Category 2 projects, the developer is required to pay for the full cost of the installation of sanitary sewers and watermain up to and including the sizes listed below. This is described as the Direct Developers Contribution. The minimum sizes are provided from the City’s Development Policies:

**Sanitary Sewer**      450 mm diameter

**Watermain**            300 mm diameter

**Facilities (Water Pumping Station, Water Reservoir or Elevated Tank, Wastewater Pumping Station)**

- No minimum size / capacity
- Facilities to service single proposed development lands will be Direct Developer Contribution.
- Facilities servicing multiple developments /service areas will be allocated to Development Charges Categories only (DC, Benefit to Existing and Post Period Benefit).



**Water Treatment / Wastewater Treatment** – Treatment upgrades to be included in Development Charges Categories only (DC, Benefit to Existing and Post Period Benefit).

Should the size of the local infrastructure be required to be greater than the minimum local servicing sizes (i.e. to support external development), Development Charges contributions shall be made. The City shall contribute, through the Development Charges Fund, towards the cost to install the infrastructure on a “Flat Rate” basis. “Flat Rate” is defined as the cost difference between the size required for external development and the minimum size, noted above in the City’s Development Policies.

Projects identified are sized based on the City’s engineering guidelines for design and to accommodate the future population and employment demand/flow within the proposed drainage/service areas.

The Development Charges Capital Program demonstrates the calculated cost splits on a project by project basis.

### **E.2.1 Funding for Municipal Extensions**

In cases where a new watermain or sewer is installed by a developer that benefits and enables a new connection to by an existing, un-serviced property, a flat rate contribution is made back to the developer. Additional details of this funding methodology related to Direct Developer (or “Developer Initiated”) projects including projects external to the development lands are found in the 2007 City Report:

*TOE02005b/FCS02026b/PED07248 - Funding Methodology for Municipal Infrastructure Extensions Review and Update*

<http://www2.hamilton.ca/NR/rdonlyres/2913680C-68EA-4B5A-A288-0CAA23F6165A/0/Sep17TOE02005b.pdf>

### **E.2.2 Capacity Allocation**

As growth and re-development progresses over time, The City requires a means to determine the amount of spare capacity within the water distribution and wastewater collection systems that are to be allocated to any potential development application.



Additionally, the City must also determine a reasonable period of time in which this allocated capacity is to be made available prior to development.

The capacity will be allocated to projects in the order in which the Construction Plans are approved. In the event that multiple projects are approved at the same time, the identification, selection and prioritization of the project given in the City's Infrastructure Staging of Development Program will prevail.

This policy is intended to be used as a guide for conveyance only (not treatment), and are subject to review and update by the City moving forward.

### **E.2.3 Co-ordinated Projects with Transportation Requirements**

Water and wastewater projects external to proposed development lands (i.e. on existing road allowances and/or existing roads) that fall into Category 1 and that are initiated as a result of identified transportation requirements and are eligible for inclusion in the D.C. at the same D.C. eligible percentage as the associated road.

Service connections (water and/or wastewater connections – public portion) will be constructed to each land parcel, when an existing dwelling unit exists. Property owners that require more than one service connection will be required to pay for the cost of the additional service connections prior to construction. Benefitting property owners shall contribute towards the cost to install the infrastructure on a “flat rate” basis. The “flat rate” will be established by the City at the beginning of each year.

## **E.3 Local Service Policy for Parkland Development**

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The developer's responsibilities related to parkland are generally described in Option 1 (Sections 3.3 and 4.3) of the *Park and Open Space Development Guide*, latest version. Whether the developer chooses to develop under Option 1 or 2 of this guide is at the discretion of the developer and the City, and requires entering into agreements as detailed in the *Park and Open Space Development Guide*. The direct developer responsibilities are the same regardless of which option is followed; the generality of the guide does not restrict the requirements as detailed in the local service policy below.





All parkland construction must adhere to the City of Hamilton's *Construction and Material Specifications Manual*, latest edition. This includes but is not limited to all soil testing, soil compaction, asphalt, concrete, and granular requirements.

### E.3.1 Recreational Trails

1. Recreational trails (Trails, Multi-use trails, pathways, sidewalks) that are external to development and that do not form part of municipality's active transportation network, and their associated infrastructure (landscaping, bridges, trail surface, etc.), are included in parkland D.C.'s.
2. Recreational trails (Trails, Multi-use trails, pathways, sidewalks) that are internal to development and that do not form part of municipality's active transportation network, and their associated infrastructure up to base condition, are a direct developer responsibility as a local service provision under s. 59 of the D.C.A. and includes the following:
3. Recreational Trails outside of road allowances, including granular base and surfacing.
  - a. Recreational Trails that are part of the City's Recreational Trails Master Plan which fall in the subdivision area, with materials as indicated in the Plan.
  - b. Recreational Trails that are part of the City's Pipeline Trail Master Plan which fall in the subdivision area, with materials as indicated in the Plan.
  - c. Recreational Trails around stormwater management ponds that may link to maintenance truck access or other trails/pathways to provide additional recreation opportunities for residents.
  - d. The base condition works for the open space areas that contain trails shall be the same as the works required for parkland in Section 2.a).



### E.3.2 Parks (City-Wide Parks, Community Parks, Neighbourhood Parks & Parkettes)

4. Park development to base condition is a direct developer responsibility as a local service provision under s. 59 of the D.C.A. and includes the following:
  - a. Clearing and grubbing. Tree removals as per the subdivision's tree preservation and removals plan.
  - b. Topsoil Stripping, screening, and stockpiling.
  - c. Rough grading (pre-grading) to allow for positive drainage of the Park, with minimum slopes of 2%. If necessary, this may include some minor drainage tile work and grading as per the overall subdivision grading design complete with any required swales or catch basins. Runoff from the development property shall not drain into the park unless approved by the Manager, Environment Services, Public Works.
  - d. Spreading of topsoil to 150mm depth (import topsoil if existing on-site is insufficient to reach required depth).
  - e. Seeding of site with City-approved seed mix. Maintenance of seed until acceptance by City.
  - f. Parks shall be free of any contaminated soil or subsoil.
  - g. Parks shall not be mined for fill.
  - h. Parks shall be conveyed free and clear of all encumbrances.
  - i. 100% of 1.5m chain link perimeter fencing to the City standards to separate the development lands from the City lands or lands to be dedicated to the City, unless the perimeter fencing is on land that will be dedicated to the City to fulfil the requirement of parkland dedication under the Planning Act, in which case the cost shall be shared 50/50.
  - j. When Park parcels cannot be developed in a timely manner, they shall be graded to ensure positive drainage and seeded to minimize erosion



and dust. These shall be maintained by the developer until construction commences thereon.

- k. The Park block shall not be used for topsoil or other construction material, equipment storage, or sales pavilions.
  - l. Required heritage features within the Park as set out within the Planning approval conditions.
2. Sports facilities, creative play structures/equipment, sun shelters, multi-purpose courts, walkways, plantings, site furnishings, and other amenities (including associated utilities) within Parks are included in the parkland D.C.'s.
  3. Servicing Stubs to parkland are not required under the Local Service Policy for parkland, however, they are included in the *transportation* D.C.'s and local service policy. All park servicing calculations shall follow the criteria outlined in the City of Hamilton's *Engineering Guidelines for Servicing Land under Development Applications*, latest Edition (provide a link).
  4. Where parkland ownership is fragmented (one park block owned by multiple developers), only the final developer shall have the option to fully develop the park (i.e. Option 2 in the *Park and Open Space Development Guide* will not be permitted by the City). However, all developers will still be required to complete all direct developer responsibilities (to base condition) as described in Section 2a above (i.e. Option 1 of the *Park and Open Space Development Guide* will be required for the park block fragment that they own).

### **E.3.3 Open Space (General Open Space & Natural Open Space)**

#### General Open Space

1. General Open Space shall include golf courses, community gardens, picnic areas, beaches, remnant parcels of open space lands, and urban plazas, squares and core spaces. These areas do not function as parks but are used for both active and passive recreational activities.
2. General Open Space to base condition is a direct developer responsibility as a local service provision under s. 59 of the D.C.A. and includes the following:



- a. Clearing and grubbing. Tree removals as per the subdivision's tree preservation and removals plan.
- b. Topsoil Stripping, screening, and stockpiling.
- c. Rough grading (pre-grading) to allow for positive drainage of the General Open Space, with minimum slopes of 2%. If necessary, this may include some minor drainage tile work and grading as per the overall subdivision grading design complete with any required swales or catch basins. Runoff from the development property shall not drain into the park unless approved by the Manager, Environment Services, Public Works.
- d. Spreading of topsoil to 150mm depth (import topsoil if existing on-site is insufficient to reach required depth).
- e. Seeding of site with City-approved seed mix. Maintenance of seed until acceptance by City.
- f. General Open Space shall be free of any contaminated soil or subsoil.
- g. Parkland shall not be mined for engineering fill and replaced with fill or topsoil.
- h. General Open Space shall be conveyed free and clear of all encumbrances.
- i. 100% of 1.5m chain link perimeter fencing of General Open Space to the City standard located on the public property side of the property line as required by the City.
- j. When General Open Space parcels cannot be developed in a timely manner, they shall be graded to ensure positive drainage and seeded to minimize erosion and dust. These shall be maintained by the developer until construction commences thereon.
- k. The General Open Space block shall not be used for topsoil or other construction material, equipment storage, or sales pavilions.



- I. Required heritage features within the General Open Space as set out within the Planning approval conditions.
3. Sun shelters, walkways, plantings, site furnishings, and other amenities (including associated utilities) within General Open Space are included in the parkland D.C.'s.

### Natural Open Space

1. Natural Open Space shall include lands with significant natural features and landscapes such as woodlots, hazard lands, forested slopes, creek/ravine corridors, the Niagara Escarpment, environmentally sensitive areas (of natural and scientific interest), and areas of wildlife habitat. These areas perform important biological and ecological functions and provide passive recreational opportunities.
2. Where Natural Open Space is to be left as existing in the plan of subdivision, Natural Open Space to base condition is a direct developer responsibility as a local service provision under s. 59 of the D.C.A. and includes the following:
  - a. Ensure that the area is not damaged or removed, and that the space is kept free of construction debris and garbage during construction.
  - b. The Natural Open Space block shall not be used for topsoil or other construction material, equipment storage, or sales pavilions.
  - c. Required heritage features within the Natural Open Space as set out within the Planning approval conditions.
  - d. Where naturalization or restoration works are required, only native plants shall be utilized.
  - e. Where private lots back onto channels, 100% of 1.5m chain link perimeter fencing to the City standard shall be located on the public property side of the property line as required by the City.
3. For Natural Heritage Systems, refer to Section E.4 of this local service policy.



## E.4 Local Service Policy for Natural Heritage System (N.H.S.)

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The City contains many natural areas and features that contribute to the municipality's beauty, unique character and quality of life. A systems approach has been used to develop a Natural Heritage System (N.H.S.) within the City, which consists of Core Areas, Linkages, the Greenbelt Plan N.H.S. and the Niagara Escarpment Plan Area (as per the City's Official Plan).

Core Areas are the most important components of the N.H.S. in terms of biodiversity, productivity, and ecological and hydrological functions and are comprised of key natural heritage features, key hydrologic features and local natural areas, as follows:

- Key Hydrologic Features
  - Permanent and intermittent streams
  - Lakes (and their littoral zones)
  - Seepage areas and springs
  - Wetlands
- Key Natural Heritage Features
  - Significant habitat of endangered and threatened species
  - Fish habitat
  - Wetlands
  - Life Science Areas of Natural and Scientific Interest (A.N.S.I.)
  - Significant valleylands
  - Significant wildlife habitat
  - Sand barrens, savannahs, and tallgrass prairies
  - Alvars
- Local Natural Areas
  - Environmentally Significant Areas (E.S.A.)
  - Unevaluated wetlands
  - Earth Science Areas of Natural and Scientific Interest (A.N.S.I.)

Linkages are natural areas such as old fields, meadows, thickets, successional habitat, hedgerows, riparian vegetation and woodlands that ecologically connect Core Areas.



Developer responsibility as a local service provision would include but not be limited to:

- a) Planting internal to the development as required by the City as part of the creation of a vegetation protection zone (V.P.Z.) that protects the features and functions of the N.H.S. and achieves the goal of natural, self-sustaining vegetation.
- b) Implementation of mitigation measures as outlined within approved Environmental Impact Statements, Linkage Assessments, other studies (i.e. subwatershed studies, Secondary Plans) or as required by the City, Conservation Authorities or other authorities having jurisdiction (i.e. Niagara Escarpment Commission, Ministry of Natural Resources and Forestry). These measures may be located internal or external to the development and would include but not be limited to plant salvage, habitat restoration and management, plantings, monitoring, invasive species control, stewardship/education, and Species at Risk requirements.
- c) Fencing internal to the development at the boundary of the approved V.P.Z. associated with the N.H.S. features. This fencing is to be to the City's standards.
- d) Non-traditional fencing, such as dense plantings and bollards, to delineate the boundaries of the protected areas and prevent encroachment.
- e) Compensation planting requirements for tree removal according to the City's standards.

## **E.5 Local Service Policy for Services Related to a Highway**

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### **E.5.1 Overview**

This appendix sets out the municipality's General Policy Guidelines on Development Charges (D.C.) and local service funding for Services Related to a Highway. The guidelines outline in general terms, the size and nature of the engineered infrastructure that is included in the study as a development charge project, versus infrastructure that is considered as a local service, to be emplaced separately by landowners, pursuant to a development agreement.

The following policy guidelines are general principles by which staff will be guided in considering development applications. However, each application will be considered in the context of these policy guidelines on its own merits and having regard to, among



other factors, the context of the surrounding area and the location and type of services required as well as their relationship to the proposed development and to the existing and proposed development in the area as per subsection 59(2) of the Development Charges Act, 1997 (D.C.A.).

### **E.5.2 Services Related to a Highway**

A highway and services related to a highway are intended for the transportation of people and goods via many different modes including, but not limited to, passenger automobiles, commercial vehicles, transit vehicles, cycling, and walking. A highway shall consist of all land, services, and infrastructure built to support this movement of people and goods regardless of mode of transportation in pursuit of a complete street.

The transportation planning paradigm across North America has shifted over the last decade or more. The design and layout, density and mix of uses within a neighbourhood have become a critical consideration. This new consideration and need to grow the City along regional, sub-regional and community nodes and corridors characterized by denser and more mixed development is supported by highways that accommodate and promote walking, cycling and transit use over auto use and has been identified by the City of 2017 Hamilton Transportation Master Plan (H.T.M.P.), area specific Transportation Master Plans, and the City of Hamilton Official Plan (O.P.). The overall vision is to create a City which is highly walkable and in which it is easy and convenient to walk, cycle or take transit. The H.T.M.P. has set clear targets to reduce overall vehicle kilometers; reduce trips made by single occupant vehicles; increase trips made by transit; and encourage cycling and walking.

The City of Hamilton O.P. and the H.T.M.P. puts heavy emphasis on designing corridors, streets and paths with full consideration given to transit, cyclists and pedestrians. Consequently, the design elements of a highway as well as its role and function must change to embrace all categories of the transportation system users and needs to provide a *Complete Street*. Complete streets is a concept that defines a highway as a transportation facility that provides safe and comfortable travel for a wide variety of users, regardless of mode, level of ability, and age. Complete streets allow safe travel for:

- Pedestrians of all ages and ability levels
- Cyclists





- Automobiles
- Transit vehicles
- Delivery vehicles

The main premise of complete streets is the recognition that the function of a street (or a highway) goes beyond simply moving vehicles. Rather, streets play an important role in moving people, connecting the community, accommodating pedestrians and cyclists, enabling goods movement, providing a space for public interaction and civic engagement, and providing access for local stores and businesses. A complete street concept has been fully embraced by the City of Hamilton and is fundamental to transportation policy in the City identified through the key planning documents mentioned earlier. It also translates to the planned capital projects and therefore the local service policy and the development charges process.

Under this premise, the design of a street is approached with the objective of optimizing the right-of-way (R.O.W.) to balance mobility needs and enhance connectivity for all users. Traffic Management is a range of measures and infrastructure that help achieve that balance (e.g. traffic signals, roundabouts). Travel Demand Management (T.D.M.) on the other hand refers to strategies that attempt to reduce or more efficiently manage the demand for travel within the existing transportation network and reduce capital expenditure without further expanding the supply of the network. Examples of T.D.M. strategies with impact on highway design, role, and function include:

- Carpooling to increase the occupancy of vehicles. High occupancy vehicle (H.O.V.) lanes provided within the road platform are needed to promote better utilization of existing assets by increased auto occupancy.
- Active transportation (A.T.) (walking or cycling) to reduce demand for vehicle travel by shifting commuter travel demand to cycling and walking. This measure is supported by on-road and off-road cycling trails, sidewalks, and multi-use pathways.
- Park and ride facilities at transit stations are designed to “capture” auto users at some critical gateway points and divert them to transit or A.T. modes.

The H.T.M.P. includes the identification of rapid transit initiatives and the implementation of Light Rail Transit (L.R.T.) corridors which will have effects on the design of these highways as either main L.R.T. corridors or the so called “feeder”



routes. Several transit priority measures will be required to “prepare” a highway for serving transit effectively. These features will include but will not be limited to:

- H.O.V. or shared lanes for the exclusive or semi-exclusive use of transit vehicles and private automobiles with more than one occupant. They allow high-occupancy vehicles to have faster travel times than general purpose lanes, encouraging transit use and carpooling. Lanes may be designated as shared lanes only during peak periods.
- Provision of dedicated transit lanes along transit priority routes.
- Transit signals and transit priority signals that use real-time information to either extend a green light or shorten a red light when a bus is approaching to help the bus pass through the intersection without stopping thus giving priority to transit vehicles at intersections.
- Queue jump lanes with signal priority allow buses to bypass queues at intersections. Transit vehicles have an advanced green, and can enter the intersection before other vehicles.
- Architecturally distinctive passenger amenities, bus bays, bus stop infrastructures, and terminals and located within the road allowance and provided to improve safety and comfort for transit users.

The concept of services related to a highway has evolved and expanded to fully embrace the transportation of people and goods via many different modes including, but not limited to passenger cars, commercial vehicles, transit vehicles, bicycles and pedestrians. The highway therefore consists of all land and associated infrastructure built to support (or service) this movement of people and goods regardless of the classification of the road (i.e., local, collector or arterial) or the mode of transportation employed, thereby meeting their primary role and function of providing transportation “space” and opportunity for all users. The associated infrastructure to achieve this concept shall include, but is not limited to:

- road pavement, sub-structure and curbs;
- new sidewalks, sidewalks to fill in network gaps, sidewalks associated with the urbanization of roads or sidewalk enhancements and widenings
- roundabouts, traffic calming features, left and right turn lanes, medians, lay-bys, pedestrian cross-overs;



- grade separation / bridge structures (for any vehicles, railways and/or pedestrians and cyclists);
- grading, drainage and retaining wall features;
- culvert structures;
- storm water drainage systems;
- traffic control systems, signals and related technologies;
- active transportation facilities (e.g. sidewalks, bike lanes, multi-use trails, trails, pathways, cycle tracks, bike share facilities and services, other cycling amenities, etc.);
- sustainable mobility programs;
- transit lanes, queue jump lanes, bus bays, stops and amenities;
- curb extensions between queue jump lanes and bus bays;
- roadway illumination systems;
- boulevard and median surfaces (e.g. sod & topsoil, paving, etc.);
- street trees, streetscaping and landscaping;
- parking lanes and driveway entrances;
- noise attenuation systems;
- signage;
- railings, safety barriers
- related utilities; and
- temporary works to facilitate the implementation of any of the above.

For road classification information, refer to the City of Hamilton Official Plan and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.

<https://www.hamilton.ca/develop-property/policies-guidelines/comprehensive-development-guidelines-and-financial-policies>.

### **E.5.3 Infrastructure**

#### *E.5.3.1 Local and Collector Roads (including land)*

- a. All Local Roads are considered to be the developer's financial responsibility.



- b. Collector Roads, internal to a development, inclusive of all land and associated infrastructure, including temporary works, are a direct developer responsibility under s. 59 of the Development Charges Act (D.C.A.) as the local service component, net of applicable oversizing per the Financial Policies for Development and the Comprehensive Development Guidelines and Financial Policies Manual, 2017, or as may be amended from time to time.

<https://www.hamilton.ca/develop-property/policies-guidelines/financial-policies-development>

- c. Collector Roads, external to development, inclusive of all land and associated infrastructure, including temporary works, needed to support a specific development or required to link with the area to which the plan relates, are a direct developer responsibility under s. 59 of the D.C.A. (local service component) net of applicable oversizing per the Financial Policies for Development and the Comprehensive Development Guidelines and Financial Policies Manual, 2017, or as may be amended from time to time.

#### *E.5.3.2 Arterial Roads*

- a. New, widened, extended or upgraded arterial roads, inclusive of all associated infrastructure, including temporary works, is included as part of highway costing funded through D.C. net of direct developer responsibility (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.
- b. Land Acquisition for arterial roads on existing rights-of-way to achieve a complete street: dedication under the Planning Act provisions (s. 41, 51 and 53) through development lands per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time. In areas with limited development, this is included as part of highway costing funded through D.C.
- c. Land Acquisition for arterial roads on new rights-of-way to achieve a complete street: dedication, where possible, under the Planning Act provisions (s.51 and 53) through development for lands up to the collector standard per *Financial*



*Policies for Development and the Comprehensive Development Guidelines and Financial Policies Manual, 2017, or as may be amended from time to time. Land acquisitions for road widenings and/or oversizing beyond the collector standard, or where located in an area with limited development, are included as part of highway costing funded through D.C.*

- d. Land acquisition beyond normal dedication requirements to achieve transportation corridors as services related to highways including grade separations and infrastructure for the movement of pedestrians, cyclists, public transit and/or railway vehicles are included as part of highway costing funded through D.C.

#### *E.5.3.3 Traffic and Transit Control Systems, Signals and Intersection Improvements on Area Municipal Highways*

- a. New, widened, extended or upgraded arterial roads, including temporary works, unrelated to a specific development are included as part of highway costing funded through D.C. net of developer responsibility (local service component) per *Financial Policies for Development and the Comprehensive Development Guidelines and Financial Policies Manual, 2017, as may be amended from time to time.*
- b. Arterial and non-arterial road improvements related to any private site entrances or entrances to specific development, including any temporary works, are a direct developer responsibility under s. 59 of the D.C.A. (local service component), net of applicable oversizing per *Financial Policies for Development and the Comprehensive Development Guidelines and Financial Policies Manual, 2017, or as may be amended from time to time.*
- c. Intersection improvements, new or modified signalization, signal timing and optimization plans, area traffic studies for highways attributed to growth and unrelated to a specific development are included as part of highway costing funded through D.C. as permitted under a. 5(1) of the D.C.A.



#### E.5.3.4 Streetlights

- a. Streetlights on new arterial roads and arterial road improvements are considered part of the complete street and included as part of highway costing funded through D.C. net of direct developer responsibility (local service component).
- b. Streetlights on non-arterial roads external to development needed to support a specific development or required to link with the area to which the plan relates are considered part of the complete street and included as a direct developer responsibility under s. 59 of the D.C.A. (local service component).
- c. Streetlights on non-arterial roads internal to development are considered part of the complete street and included as a direct developer responsibility under s. 59 of the D.C.A. (local service component).

#### E.5.3.5 Transportation Related Pedestrian and Cycling Facilities

- a. Sidewalks, multi-use trails, trails, pathways, cycle tracks and bike lanes, inclusive of all required land and infrastructure, including related temporary works and grade separations, located within City arterial road and Provincial highway corridors are considered part of the complete street and included as part of highway costing funded through D.C., net of direct developer responsibility (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.
- b. Sidewalks deemed to be temporary are considered direct developer responsibility (local service component).
- c. Sidewalks, trails, pathways, multi-use trails, cycle tracks and bike lanes, inclusive of all required land and infrastructure, including related temporary works and grade separations that are located within or linking to non-arterial road corridors internal to development are considered part of the complete street and are a direct developer responsibility under s. 59 of the D.C.A. (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.



- d. Other sidewalks, trails, pathways, multi-use trails, cycle tracks and bike lanes, inclusive of all required land and infrastructure, including related temporary works and grade separations, that are located within non-arterial road corridors external to development and needed to support a specific development or required to link with the area to which the plan relates are a direct developer responsibility under s. 59 of the D.C.A. (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.
- e. Multi-use trails (not associated with a road), inclusive of all land and required infrastructure and including related temporary works and grade separations, that go beyond the function of a (parkland) recreational trail and form part of the City's active transportation network for cycling and/or walking are included in D.C. calculation as permitted under a. 5(1) of the D.C.A.

#### *E.5.3.6 Sustainable Modes Programs including Transportation Demand Management*

- a. Bike share expansions within existing service areas and in new service areas; cycling amenities including bike racks, lockers, shelters and fix-it stations; pedestrian amenities (e.g. benches); and sustainable mobility programs (e.g. Smart Commute, T.D.M. for higher density developments) are considered part of the complete street and included as part of highway costing funded through D.C. net of direct developer responsibility (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.

#### *E.5.3.7 Noise Abatement Measures*

- a. Noise abatement measures external and internal to development where it is related to, or a requirement of a specific development are a direct developer responsibility under s. 59 of the D.C.A. (local service component).
- b. Noise abatement measures on new arterial roads and arterial road Improvements abutting an existing community and unrelated to a specific development are included in D.C. calculation as permitted under a. 5(1) of the D.C.A.





#### *E.5.3.8 Transit Nodes, Terminals, Lanes and Bus Stop Infrastructure*

- a. Transit node, transit priority measures (e.g. queue jump lanes, transit signal priority) and bus stop infrastructure and amenities (including bus pads and shelters) located within arterial road corridors, and including transit stations or terminals located on lands to serve these road corridors are considered part of the complete street and included in D.C. calculation as permitted under a. 5(1) of the D.C.A. net of direct developer responsibility under s. 59 of the D.C.A. (local service component) per *Financial Policies for Development* and the *Comprehensive Development Guidelines and Financial Policies Manual, 2017*, or as may be amended from time to time.
- b. Transit node, transit priority measures (e.g. queue jump lanes, transit signal priority) and bus stop infrastructure and amenities located within non-arterial road corridors internal to development are considered part of the complete street and direct developer responsibility under s. 59 of the D.C.A. (local service component).
- c. Transit node, transit priority measures (e.g. queue jump lanes, transit signal priority) and bus stop infrastructure and amenities located within non-arterial road corridors external to development and needed to support a specific development or required to link with the area to which the plan relates are a direct developer responsibility under s. 59 of the D.C.A. (local service component).

#### *E.5.3.9 Infrastructure Assets Constructed by Developers*

- a. All infrastructure assets constructed by developers must be designed in accordance with the City's engineering standards and policies.
- b. All infrastructure assets shall be conveyed in accordance with the City's engineering standards and policies.





# 2019 Development Charge Study: Historical Service Standards

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Development Charges Stakeholders Sub-Committee

City of Hamilton

September 13, 2018



# Agenda

- Service Standards
  - Service Standards
  - Service Standard Example
  - Transit Service Standard
  - Draft Service Standards
  - Comparison of Service Standards to 2014
  - Service Standard Valuation Drivers
- Next Steps



# Service Standards

- The D.C.A. Service Standard calculation provides an upper limit ceiling on the amount of the charge which can be imposed
- The calculation includes both quality and quantity measures and provides for the “average over the past 10 years” – This involves reviewing capital inventories in detail over past 10 years
- This calculation is not required for water, wastewater and storm services as they are required to follow environmental legislation. Similarly, resulting from Bill 73, this calculation is no longer required for Transit service.
- Impacts – generally lowers collection levels and may provide for spiral downwards if a municipality does not keep up with construction of services in line with the pace of growth



# Service Standard Example

Service: Paramedics Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Station #1 - 35 - 43 John Street North	1,700	1,700	1,700	1,700	1,700	1,700	4,046	4,046	4,046	4,046	\$221	\$270
Station #3 Ambulance, 965 Garth St.	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	\$287	\$343
Station #4 Ambulance, 729 Upper Sherman	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	\$256	\$309
Station #7 Ambulance, 225 Quigley Rd.	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	\$297	\$354
Station #9 Ambulance, 125 Kenilworth Ave. N.	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	\$256	\$309
Station #10 Ambulance, Norfolk Ave.	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	\$282	\$337
Station #12 Ambulance, 199 Highway 8 Stoney Creek	-	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	\$234	\$284
Station #15 Ambulance, 415 Arvin Ave.	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	\$284	\$340
Station #17 Ambulance, 363 Isaac Brock St.	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	\$284	\$340
Station #18 Ambulance, 2636 (2640) Highway 56 Binbrook	-	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	\$247	\$299
Station #19 Ambulance, 3302 Homestead Rd.	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	\$307	\$365
Station #20 Ambulance, 365 Wilson St. W.	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	\$323	\$383
Station #21 Ambulance, Garner Rd., Ancaster	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	\$256	\$309
Station #23 Ambulance, Memorial Square	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	\$250	\$302
Station #24 Ambulance, 265 Parkside Dr.	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	\$422	\$492
Station #25 Ambulance, 361 Old Brock Rd.	-	878	878	878	878	878	878	878	878	878	\$254	\$306
Station #26 Ambulance, Lynden	-	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	\$254	\$306
Station #30 Ambulance, 489 Victoria Ave. N.	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	\$226	\$276
Station #32 Ambulance, 1000 Limeridge Rd.	-	-	7,060	7,060	7,060	7,060	7,060	7,060	7,060	7,060	\$260	\$313
Stoney Creek Mountain Training Facility (Shared Building B)	-	-	8,091	8,091	8,091	8,091	7,280	7,280	7,280	7,280	\$316	\$364
<b>Total</b>	<b>45,044</b>	<b>52,845</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0875	0.1025	0.1308	0.1301	0.1292	0.1285	0.1306	0.1295	0.1283	0.1276

10 Year Average	2009-2018
Quantity Standard	0.1225
Quality Standard	\$315
Service Standard	\$39

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$39
Eligible Amount	\$2,511,426



# Service Standard Example

Service: Paramedics Facilities  
 Unit Measure: Value of facilities (\$)

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Station #1 - 35 - 43 John Street North	459,000	459,000	459,000	459,000	459,000	459,000	1,092,328	1,092,328	1,092,328	1,092,328
Station #3 Ambulance, 965 Garth St.	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366
Station #4 Ambulance, 729 Upper Sherman	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809
Station #7 Ambulance, 225 Quigley Rd.	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472
Station #9 Ambulance, 125 Kenilworth Ave. N.	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349
Station #10 Ambulance, Norfolk Ave.	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700
Station #12 Ambulance, 199 Highway 8 Stoney Creek	-	847,180	847,180	847,180	847,180	847,180	847,180	847,180	847,180	847,180
Station #15 Ambulance, 415 Arvin Ave.	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377
Station #17 Ambulance, 363 Isaac Brock St.	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697
Station #18 Ambulance, 2636 (2640) Highway 56 Binbrook	-	818,219	818,219	818,219	818,219	818,219	818,219	818,219	818,219	818,219
Station #19 Ambulance, 3302 Homestead Rd.	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150
Station #20 Ambulance, 365 Wilson St. W.	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298
Station #21 Ambulance, Garner Rd., Ancaster	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235
Station #23 Ambulance, Memorial Square	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523
Station #24 Ambulance, 265 Parkside Dr.	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318
Station #25 Ambulance, 361 Old Brock Rd.	-	268,665	268,665	268,665	268,665	268,665	268,665	268,665	268,665	268,665
Station #26 Ambulance, Lynden	-	368,299	368,299	368,299	368,299	368,299	368,299	368,299	368,299	368,299
Station #30 Ambulance, 489 Victoria Ave. N.	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008
Station #32 Ambulance, 1000 Limeridge Rd.	-	-	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780
Stoney Creek Mountain Training Facility (Shared Building B)	-	-	2,945,028	2,945,028	2,945,028	2,945,028	2,649,800	2,649,800	2,649,800	2,649,800
<b>Total</b>	<b>14,097,302</b>	<b>16,399,665</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,892,573</b>	<b>21,892,573</b>	<b>21,892,573</b>	<b>21,892,573</b>
Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	27.38	31.80	41.45	41.26	40.96	40.74	41.11	40.77	40.40	40.19

10 Year Average	2009-2018
Service Standard \$ per Capita	\$39



# Transit – Service Level Update as per Bill 73

- Methodology for determining the planned level of service set out in the regulations
- In past D.C. studies, were required to provide historical service standard
- New forward looking service standard based on ridership - the detailed analysis is provided by Dillon and will be included as an Appendix to the D.C. background study
- Methodology requires ridership forecasts and ridership capacity for all modes of transit over future 10 years, identification of excess capacity which exists at the end of 10 years, identification of whether new ridership is from existing or planned development



# Transit

## Total Person Trips Forecast

The total A.M. peak period person-trips reflecting all modes for trips with an origin and/or destination in Hamilton were derived from Hamilton's demand forecasting model for the year's 2011 and 2031. From this model, two total person-trip values were pulled for the A.M. peak period:

- 253,124 person-trips in 2011
- 320,352 person-trips in 2031

Using linear interpolation, the number of person-trips for each year between 2011 and 2031 were calculated. These values were combined with the transit existing (2016) and targeted 2031 transit mode share used to forecast transit ridership.





# Transit

## Transit Mode Share

### 2016 Transit Mode Share

- The 2017 Transportation Master Plan identifies an existing (2016) local transit mode share of 6.73%.

### 2031 Transit Mode Share Target

- 2017 TMP provides for 12% total transit share by 2031. To achieve this, development of the B.L.A.S.T. network and GO Transit rail expansion to West Harbour and Confederation Stations are required as well as HSR service levels to support rapid transit.
- 12% mode share includes GO Transit trips





# Transit

2031 A.M. Peak Period Transit Mode Share based on 2016 Transportation Tomorrow Survey and Hamilton Emme Model

	Origin in Hamilton	Destination in Hamilton	Origin and Destination in Hamilton	Origin and/or Destination in Hamilton	Distribution of Transit Trips (HSR & GO)	2031 Transit Mode Share
<b>Local Transit Only</b>	17,329	18,736	16,158	19,907	94.2%	<b>11.3%</b>
<b>Local Transit + GO</b>	783	435	0	1,218		
<b>GO Only</b>	1,288	4	0	1,292	5.8%	<b>0.7%</b>
<b>Total Transit</b>	<b>19,400</b>	<b>19,175</b>	<b>16,158</b>	<b>22,417</b>		<b>12%</b>

- 2031 mode share for HSR Trips was calculated using existing ratio of HSR and GO Transit Trips in Hamilton (based on 2016 Transportation Tomorrow Survey)
- 2031 A.M. peak period transit mode share adjusted to 11.3%



# Transit

## 2031 HSR Bus-Only Transit Mode Share

- LRT in Hamilton is not D.C. Eligible, therefore ridership from the LRT corridor was removed and a 2031 HSR bus-only mode share target was identified.
- Projected A.M. peak LRT ridership is 4,760, which represents a 1.5% mode share
- Subtracting this from the 11.3% HSR mode share, the 2031 HSR bus-only mode share is adjusted to 9.8%



# Transit

## 2028 HSR Bus-Only Transit Mode Share

2028 transit mode share is based on the following

- Ridership forecasts were conducted by HSR between 2019 and 2024. Based on this forecast, projected 2024 HSR bus-only mode share is 6.7%
- Linear interpolation was used between 2024 and 2031 to calculate 2028 HSR bus-only ridership. Based on this calculation, 2028 HSR bus-only mode share should grow to 8.5%



# Transit

## Summary of Projected Local HSR Transit Ridership and Mode Share

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>Total A.M. Peak Period Person Trips (from Emme model)</b>	253,124	256,485	259,847	263,208	266,570	269,931	273,292	276,654	280,015	283,377	286,738	290,099	293,461	296,822	300,184	303,545
<b>Total Local A.M. Peak Period Ridership</b>	18,166	18,093	18,016	17,974	18,078	18,462	18,981	19,426	19,922	22,519	25,117	27,714	29,836	31,957	34,078	36,200
<b>A.M. Peak Period HSR Bus Ridership</b>	18,166	18,093	18,016	17,974	18,078	18,462	18,981	19,426	19,922	21,567	23,213	24,858	26,504	28,149	29,794	31,440
<b>A.M. Peak Period HSR L.R.T. Ridership</b>										952	1,904	2,856	3,332	3,808	4,284	4,760
<b>A.M. Peak Period HSR Bus Mode Share</b>	6.7%	6.6%	6.5%	6.4%	6.4%	6.4%	6.5%	6.6%	6.7%	7.2%	7.6%	8.1%	8.5%	9.0%	9.4%	9.8%
<b>A.M. Peak Period HSR L.R.T. Mode Share</b>										0.3%	0.6%	0.9%	1.1%	1.2%	1.4%	1.5%
<b>Total Mode Share</b>	6.7%	6.6%	6.5%	6.4%	6.4%	6.4%	6.5%	6.6%	6.7%	7.5%	8.3%	9.0%	9.6%	10.2%	10.8%	11.3%



# Draft Service Standards

SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED							
Service Category	Sub-Component	10 Year Average Service Standard					Maximum Ceiling LOS
		Cost (per capita)	Quantity (per capita)		Quality (per capita)		
Services Related to a Highway	Roads	\$22,055.60	0.0092	lane km of roadways	2,397,348	per lane km	1,900,817,775
	Bridges, Culverts & Structures	\$3,021.00	0.0007	Number of Bridges, Culverts & Structures	4,315,714	per item	260,358,843
	Traffic Signals	\$250.50	0.0010	No. of Traffic Signals	250,500	per signal	21,588,842
	Facilities	\$952.77	1.6712	sq.ft. of building area	570	per sq.ft.	82,112,577
	Vehicles and Equipment	\$184.36	0.0023	No. of vehicles and equipment	80,157	per vehicle	15,888,698
	Active Transportation - Terminals	\$17.80	0.0563	sq.ft. of terminal space	316	per sq.ft.	1,534,057
	Active Transportation - Shelters	\$16.70	0.0021	No. of Shelters/Pads	7,952	per item	1,439,256
Fire	Fire Facilities	\$197.44	0.4755	sq.ft. of building area	415	per sq.ft.	17,015,972
	Fire Vehicles	\$122.13	0.0002	No. of vehicles	610,650	per vehicle	10,525,530
	Fire Small Equipment and Gear	\$37.42	0.0086	No. of equipment and gear	4,351	per Firefighter	3,224,968
Police	Police Facilities	\$278.28	0.6260	sq.ft. of building area	445	per sq.ft.	23,983,005
	Police Vehicles	\$16.30	0.0004	No. of vehicles and equipment	40,750	per vehicle	1,404,783
	Police Small Equipment and Gear	\$21.70	0.0045	No. of equipment and gear	4,822	per Officer	1,870,171
Parking	Parking Spaces	\$263.81	0.0090	No. of spaces	29,312	per space	17,159,785
	Parking Meters	\$4.37	0.0051	No. of Meters	857	per meter	284,251
	Parking Facilities	\$85.34	0.0599	sq.ft. of building area	1,425	per sq.ft.	5,551,026
Airport	Airport Facilities	\$291.51	0.0029	acres of land	100,521	per sq.ft.	18,961,559
Parks	Parkland Development	\$447.94	0.0115	Acres of Parkland	38,951	per acre	29,136,705
	Parkland Amenities	\$560.40	0.0334	No. of parkland amenities	16,778	per amenity	36,451,778
	Parkland Amenities - Buildings	\$4.81	0.0501	sq.ft. of building area	96	per sq.ft.	312,871
	Parkland Trails	\$20.73	0.0001	Linear Kilometres of Paths and Trails	207,300	per lin m.	1,348,404
	Parks Vehicles and Equipment	\$0.26	0.0001	No. of vehicles and equipment	2,600	per vehicle	16,912



# Draft Service Standards

SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED							
Service Category	Sub-Component	10 Year Average Service Standard					Maximum Ceiling LOS
		Cost (per capita)	Quantity (per capita)		Quality (per capita)		
Recreation	Indoor Recreation Facilities	\$1,852.13	4.0265	sq.ft. of building area	460	per sq.ft.	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	\$178.09	0.4141	sq.ft. of building area	430	per sq.ft.	11,584,042
	Recreation Vehicles and Equipment	\$0.53	0.0001	No. of vehicles and equipment	5,300	per vehicle	34,474
Library	Library Facilities	\$392.97	0.7327	sq.ft. of building area	536	per sq.ft.	25,561,127
	Library Collection Materials	\$66.53	2.0094	No. of library collection items	33	per collection item	4,327,510
	Library Vehicles	\$2.36	0.00001	No. of vehicles and equipment	214,545	per vehicle	153,509
Ambulance	Paramedics Facilities	\$38.61	0.1225	sq.ft. of building area	315	per sq.ft.	2,511,426
	Paramedics Vehicles	\$27.60	0.0005	No. of vehicles and equipment	55,200	per vehicle	1,795,270
Homes for the Aged	Long Term Care Facilities	\$305.30	0.6387	sq.ft. of building area	478	per sq.ft.	19,858,544
Social Housing	Social Housing	\$1,604.83	10.71	sq.ft. of building area	149.84	per sq.ft.	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	\$22.48	0.0421	sq.ft. of building area	533.97	per sq.ft.	1,462,234
Health	Health Facilities	\$95.84	0.1975	sq.ft. of building area	485	per sq.ft.	6,234,009
	Health Vehicles	\$0.74	0.000002	No. of vehicles	390,898	per vehicle	48,134
Social Services	Social and Child Services Facilities	\$94.63	0.2647	sq.ft. of building area	357	per sq.ft.	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	\$392.32	0.8589	sq.ft. of building area	457	per sq.ft.	25,518,847
	Waste Diversion - Vehicles & Equipment	\$79.39	0.0004	No. of vehicles and equipment	198,475	per vehicle	5,164,002
	Waste Diversion - Carts & Containers	\$20.18	1.3441	No. of items	15	per Item	1,312,628

\*Transit is now based on a forward looking service standard based on the amendments to the DCA



# Comparison of Service Standards

Service Category	Sub-Component	2014 D.C. Study		2019 D.C. Study
		Maximum Ceiling LOS	Utilized	Maximum Ceiling LOS
Services Related to a Highway	Services Related to a Highway	958,468,059	743,866,065	1,900,817,775
	Bridges, Culverts & Roundabouts	108,997,984		260,358,843
	Traffic Signals	19,898,725		21,588,842
	Active Transportation - Terminals	Previously combined with Services Related to a Highway		1,534,057
	Active Transportation - Shelters	Previously combined with Services Related to a Highway		1,439,256
Public Works Facilities, Fleet and Equipment	Depots and Domes	56,117,480	12,343,500	82,112,577
	Fleet	16,790,304	9,331,520	15,888,698
Fire	Fire Facilities	19,519,649	19,890,874	17,015,972
	Fire Vehicles	11,779,913	3,705,216	10,525,530
	Fire Small Equipment and Gear	2,827,135	542,325	3,224,968
Police	Police Facilities	24,411,373	24,808,438	23,983,005
	Police Vehicles	598,830	598,830	1,404,783
	Police Small Equipment and Gear	2,010,749	2,010,700	1,870,171
Parking	Parking Spaces	8,858,524	12,577,100	17,159,785
	Parking Meters	139,695		284,251
	Parking Facilities	3,776,922		5,551,026
Airport	Airport Facilities	9,374,519	8,870,872	18,961,559
Parks	Parkland Development	20,874,878	36,355,184	29,136,705
	Parkland Amenities (Buildings)	Previously combined with Park Amenities		312,871
	Parkland Amenities	20,949,623		36,451,778
	Parkland Trails	884,564		1,348,404
	Parks Vehicles and Equipment	Previously combined with Fleet		16,912



# Comparison of Service Standards

Service Category	Sub-Component	2014 D.C. Study		2019 D.C. Study
		Maximum Ceiling LOS	Utilized	Maximum Ceiling LOS
Recreation	Indoor Recreation Facilities	76,364,238	57,053,713	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	Previously combined with Park Amenities		11,584,042
	Recreation Vehicles and Equipment	Previously combined with Fleet		34,474
Library	Library Facilities	11,387,469	11,972,568	25,561,127
	Library Vehicles	74,745		153,509
	Library Collection Materials	5,156,862		4,327,510
Ambulance	Ambulance Facilities	1,018,073	1,070,608	2,511,426
	Ambulance Vehicles	179,903	179,900	1,795,270
Long Term Care	Long Term Care Facilities	10,827,142	6,816,663	19,858,544
Social Housing	Social Housing	66,700,535	13,891,500	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	867,037	867,037	1,462,234
Health	Health Facilities	2,857,306	768,700	6,234,009
	Health Vehicles	44,331		48,134
Social Services	Social & Child Services	4,007,342	723,704	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	Previously Ineligible		25,518,847
	Waste Diversion - Vehicles & Equipment			5,164,002
	Waste Diversion - Carts & Containers			1,312,628





# Service Standard Valuation Drivers

- Increase in land values for facilities
- Inclusion of land values and updated detailed costing for Services Related to a Highway
- Inflation from 2014 values (12.4%)
- Actual/tender costs provided by the City for specific projects
- Inclusion of Waste Diversion service (newly eligible as per Bill 73)
- Transit based on forward looking service standard (vs. historical average)



# Next Steps

- Finalize Capital Forecasts (Fall 2018)
- Draft Background Study prepared (Fall 2018)
- Staff to receive DC Policy opinions from external stakeholders (sub-committee direction – agriculture, downtown, etc.) (Late Fall 2018)
- Final Background Study released to public (Dec 2018 / Jan 2019)
- Draft By-law (Policy) prepared and released (early 2019)
- Public Meeting (Spring 2019)
- Council Considers By-law for adoption (Spring 2019)  
(current D.C. By-law expires July 5, 2019)



# 2019 Development Charge Study: Historical Service Standards

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Development Charges Stakeholders Sub-Committee

City of Hamilton

September 13, 2018



# Agenda

- Service Standards
  - Service Standards
  - Service Standard Example
  - Transit Service Standard
  - Draft Service Standards
  - Comparison of Service Standards to 2014
  - Service Standard Valuation Drivers
- Next Steps



# Service Standards

- The D.C.A. Service Standard calculation provides an upper limit ceiling on the amount of the charge which can be imposed
- The calculation includes both quality and quantity measures and provides for the “average over the past 10 years” – This involves reviewing capital inventories in detail over past 10 years
- This calculation is not required for water, wastewater and storm services as they are required to follow environmental legislation. Similarly, resulting from Bill 73, this calculation is no longer required for Transit service.
- Impacts – generally lowers collection levels and may provide for spiral downwards if a municipality does not keep up with construction of services in line with the pace of growth



# Service Standard Example

Service: Paramedics Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Station #1 - 35 - 43 John Street North	1,700	1,700	1,700	1,700	1,700	1,700	4,046	4,046	4,046	4,046	\$221	\$270
Station #3 Ambulance, 965 Garth St.	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	\$287	\$343
Station #4 Ambulance, 729 Upper Sherman	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	\$256	\$309
Station #7 Ambulance, 225 Quigley Rd.	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	\$297	\$354
Station #9 Ambulance, 125 Kenilworth Ave. N.	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	\$256	\$309
Station #10 Ambulance, Norfolk Ave.	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	\$282	\$337
Station #12 Ambulance, 199 Highway 8 Stoney Creek	-	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	\$234	\$284
Station #15 Ambulance, 415 Arvin Ave.	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	\$284	\$340
Station #17 Ambulance, 363 Isaac Brock St.	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	\$284	\$340
Station #18 Ambulance, 2636 (2640) Highway 56 Binbrook	-	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	\$247	\$299
Station #19 Ambulance, 3302 Homestead Rd.	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	\$307	\$365
Station #20 Ambulance, 365 Wilson St. W.	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	\$323	\$383
Station #21 Ambulance, Garner Rd., Ancaster	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	\$256	\$309
Station #23 Ambulance, Memorial Square	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	\$250	\$302
Station #24 Ambulance, 265 Parkside Dr.	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	\$422	\$492
Station #25 Ambulance, 361 Old Brock Rd.	-	878	878	878	878	878	878	878	878	878	\$254	\$306
Station #26 Ambulance, Lynden	-	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	\$254	\$306
Station #30 Ambulance, 489 Victoria Ave. N.	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	\$226	\$276
Station #32 Ambulance, 1000 Limeridge Rd.	-	-	7,060	7,060	7,060	7,060	7,060	7,060	7,060	7,060	\$260	\$313
Stoney Creek Mountain Training Facility (Shared Building B)	-	-	8,091	8,091	8,091	8,091	7,280	7,280	7,280	7,280	\$316	\$364
<b>Total</b>	<b>45,044</b>	<b>52,845</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0875	0.1025	0.1308	0.1301	0.1292	0.1285	0.1306	0.1295	0.1283	0.1276

10 Year Average	2009-2018
Quantity Standard	0.1225
Quality Standard	\$315
Service Standard	\$39

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$39
Eligible Amount	\$2,511,426



# Service Standard Example

Service: Paramedics Facilities  
 Unit Measure: Value of facilities (\$)

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Station #1 - 35 - 43 John Street North	459,000	459,000	459,000	459,000	459,000	459,000	1,092,328	1,092,328	1,092,328	1,092,328
Station #3 Ambulance, 965 Garth St.	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366	647,366
Station #4 Ambulance, 729 Upper Sherman	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809	1,194,809
Station #7 Ambulance, 225 Quigley Rd.	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472	367,472
Station #9 Ambulance, 125 Kenilworth Ave. N.	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349	443,349
Station #10 Ambulance, Norfolk Ave.	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700	459,700
Station #12 Ambulance, 199 Highway 8 Stoney Creek	-	847,180	847,180	847,180	847,180	847,180	847,180	847,180	847,180	847,180
Station #15 Ambulance, 415 Arvin Ave.	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377	856,377
Station #17 Ambulance, 363 Isaac Brock St.	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697	387,697
Station #18 Ambulance, 2636 (2640) Highway 56 Binbrook	-	818,219	818,219	818,219	818,219	818,219	818,219	818,219	818,219	818,219
Station #19 Ambulance, 3302 Homestead Rd.	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150	541,150
Station #20 Ambulance, 365 Wilson St. W.	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298	764,298
Station #21 Ambulance, Garner Rd., Ancaster	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235	965,235
Station #23 Ambulance, Memorial Square	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523	856,523
Station #24 Ambulance, 265 Parkside Dr.	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318	1,032,318
Station #25 Ambulance, 361 Old Brock Rd.	-	268,665	268,665	268,665	268,665	268,665	268,665	268,665	268,665	268,665
Station #26 Ambulance, Lynden	-	368,299	368,299	368,299	368,299	368,299	368,299	368,299	368,299	368,299
Station #30 Ambulance, 489 Victoria Ave. N.	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008	5,122,008
Station #32 Ambulance, 1000 Limeridge Rd.	-	-	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780	2,209,780
Stoney Creek Mountain Training Facility (Shared Building B)	-	-	2,945,028	2,945,028	2,945,028	2,945,028	2,649,800	2,649,800	2,649,800	2,649,800
<b>Total</b>	<b>14,097,302</b>	<b>16,399,665</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,554,473</b>	<b>21,892,573</b>	<b>21,892,573</b>	<b>21,892,573</b>	<b>21,892,573</b>
Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	27.38	31.80	41.45	41.26	40.96	40.74	41.11	40.77	40.40	40.19

10 Year Average	2009-2018
Service Standard \$ per Capita	\$39



# Transit – Service Level Update as per Bill 73

- Methodology for determining the planned level of service set out in the regulations
- In past D.C. studies, were required to provide historical service standard
- New forward looking service standard based on ridership - the detailed analysis is provided by Dillon and will be included as an Appendix to the D.C. background study
- Methodology requires ridership forecasts and ridership capacity for all modes of transit over future 10 years, identification of excess capacity which exists at the end of 10 years, identification of whether new ridership is from existing or planned development





# Transit

## Total Person Trips Forecast

The total A.M. peak period person-trips reflecting all modes for trips with an origin and/or destination in Hamilton were derived from Hamilton's demand forecasting model for the year's 2011 and 2031. From this model, two total person-trip values were pulled for the A.M. peak period:

- 253,124 person-trips in 2011
- 320,352 person-trips in 2031

Using linear interpolation, the number of person-trips for each year between 2011 and 2031 were calculated. These values were combined with the transit existing (2016) and targeted 2031 transit mode share used to forecast transit ridership.



# Transit

## Transit Mode Share

### 2016 Transit Mode Share

- The 2017 Transportation Master Plan identifies an existing (2016) local transit mode share of 6.73%.

### 2031 Transit Mode Share Target

- 2017 TMP provides for 12% total transit share by 2031. To achieve this, development of the B.L.A.S.T. network and GO Transit rail expansion to West Harbour and Confederation Stations are required as well as HSR service levels to support rapid transit.
- 12% mode share includes GO Transit trips



# Transit

2031 A.M. Peak Period Transit Mode Share based on 2016 Transportation Tomorrow Survey and Hamilton Emme Model

	Origin in Hamilton	Destination in Hamilton	Origin and Destination in Hamilton	Origin and/or Destination in Hamilton	Distribution of Transit Trips (HSR & GO)	2031 Transit Mode Share
<b>Local Transit Only</b>	17,329	18,736	16,158	19,907	94.2%	<b>11.3%</b>
<b>Local Transit + GO</b>	783	435	0	1,218		
<b>GO Only</b>	1,288	4	0	1,292	5.8%	<b>0.7%</b>
<b>Total Transit</b>	<b>19,400</b>	<b>19,175</b>	<b>16,158</b>	<b>22,417</b>		<b>12%</b>

- 2031 mode share for HSR Trips was calculated using existing ratio of HSR and GO Transit Trips in Hamilton (based on 2016 Transportation Tomorrow Survey)
- 2031 A.M. peak period transit mode share adjusted to 11.3%



# Transit

## 2031 HSR Bus-Only Transit Mode Share

- LRT in Hamilton is not D.C. Eligible, therefore ridership from the LRT corridor was removed and a 2031 HSR bus-only mode share target was identified.
- Projected A.M. peak LRT ridership is 4,760, which represents a 1.5% mode share
- Subtracting this from the 11.3% HSR mode share, the 2031 HSR bus-only mode share is adjusted to 9.8%



# Transit

## 2028 HSR Bus-Only Transit Mode Share

2028 transit mode share is based on the following

- Ridership forecasts were conducted by HSR between 2019 and 2024. Based on this forecast, projected 2024 HSR bus-only mode share is 6.7%
- Linear interpolation was used between 2024 and 2031 to calculate 2028 HSR bus-only ridership. Based on this calculation, 2028 HSR bus-only mode share should grow to 8.5%



# Transit

## Summary of Projected Local HSR Transit Ridership and Mode Share

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
<b>Total A.M. Peak Period Person Trips (from Emme model)</b>	253,124	256,485	259,847	263,208	266,570	269,931	273,292	276,654	280,015	283,377	286,738	290,099	293,461	296,822	300,184	303,545
<b>Total Local A.M. Peak Period Ridership</b>	18,166	18,093	18,016	17,974	18,078	18,462	18,981	19,426	19,922	22,519	25,117	27,714	29,836	31,957	34,078	36,200
<b>A.M. Peak Period HSR Bus Ridership</b>	18,166	18,093	18,016	17,974	18,078	18,462	18,981	19,426	19,922	21,567	23,213	24,858	26,504	28,149	29,794	31,440
<b>A.M. Peak Period HSR L.R.T. Ridership</b>										952	1,904	2,856	3,332	3,808	4,284	4,760
<b>A.M. Peak Period HSR Bus Mode Share</b>	6.7%	6.6%	6.5%	6.4%	6.4%	6.4%	6.5%	6.6%	6.7%	7.2%	7.6%	8.1%	8.5%	9.0%	9.4%	9.8%
<b>A.M. Peak Period HSR L.R.T. Mode Share</b>										0.3%	0.6%	0.9%	1.1%	1.2%	1.4%	1.5%
<b>Total Mode Share</b>	6.7%	6.6%	6.5%	6.4%	6.4%	6.4%	6.5%	6.6%	6.7%	7.5%	8.3%	9.0%	9.6%	10.2%	10.8%	11.3%



# Draft Service Standards

SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED							
Service Category	Sub-Component	10 Year Average Service Standard					Maximum Ceiling LOS
		Cost (per capita)	Quantity (per capita)		Quality (per capita)		
Services Related to a Highway	Roads	\$22,055.60	0.0092	lane km of roadways	2,397,348	per lane km	1,900,817,775
	Bridges, Culverts & Structures	\$3,021.00	0.0007	Number of Bridges, Culverts & Structures	4,315,714	per item	260,358,843
	Traffic Signals	\$250.50	0.0010	No. of Traffic Signals	250,500	per signal	21,588,842
	Facilities	\$952.77	1.6712	sq.ft. of building area	570	per sq.ft.	82,112,577
	Vehicles and Equipment	\$184.36	0.0023	No. of vehicles and equipment	80,157	per vehicle	15,888,698
	Active Transportation - Terminals	\$17.80	0.0563	sq.ft. of terminal space	316	per sq.ft.	1,534,057
	Active Transportation - Shelters	\$16.70	0.0021	No. of Shelters/Pads	7,952	per item	1,439,256
Fire	Fire Facilities	\$197.44	0.4755	sq.ft. of building area	415	per sq.ft.	17,015,972
	Fire Vehicles	\$122.13	0.0002	No. of vehicles	610,650	per vehicle	10,525,530
	Fire Small Equipment and Gear	\$37.42	0.0086	No. of equipment and gear	4,351	per Firefighter	3,224,968
Police	Police Facilities	\$278.28	0.6260	sq.ft. of building area	445	per sq.ft.	23,983,005
	Police Vehicles	\$16.30	0.0004	No. of vehicles and equipment	40,750	per vehicle	1,404,783
	Police Small Equipment and Gear	\$21.70	0.0045	No. of equipment and gear	4,822	per Officer	1,870,171
Parking	Parking Spaces	\$263.81	0.0090	No. of spaces	29,312	per space	17,159,785
	Parking Meters	\$4.37	0.0051	No. of Meters	857	per meter	284,251
	Parking Facilities	\$85.34	0.0599	sq.ft. of building area	1,425	per sq.ft.	5,551,026
Airport	Airport Facilities	\$291.51	0.0029	acres of land	100,521	per sq.ft.	18,961,559
Parks	Parkland Development	\$447.94	0.0115	Acres of Parkland	38,951	per acre	29,136,705
	Parkland Amenities	\$560.40	0.0334	No. of parkland amenities	16,778	per amenity	36,451,778
	Parkland Amenities - Buildings	\$4.81	0.1063	sq.ft. of building area	45	per sq.ft.	312,871
	Parkland Trails	\$20.73	0.0001	Linear Kilometres of Paths and Trails	207,300	per lin m.	1,348,404
	Parks Vehicles and Equipment	\$0.26	0.0001	No. of vehicles and equipment	2,600	per vehicle	16,912

\*Transit is now based on a forward looking service standard based on the amendments to the DCA



# Draft Service Standards

## SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED

Service Category	Sub-Component	10 Year Average Service Standard					Maximum Ceiling LOS
		Cost (per capita)	Quantity (per capita)		Quality (per capita)		
Recreation	Indoor Recreation Facilities	\$1,852.13	4.0265	sq.ft. of building area	460	per sq.ft.	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	\$178.95	0.4181	sq.ft. of building area	428	per sq.ft.	11,639,982
	Recreation Vehicles and Equipment	\$0.53	0.0001	No. of vehicles and equipment	5,300	per vehicle	34,474
Library	Library Facilities	\$392.97	0.7327	sq.ft. of building area	536	per sq.ft.	25,561,127
	Library Collection Materials	\$66.53	2.0094	No. of library collection items	33	per collection item	4,327,510
	Library Vehicles	\$2.36	0.00001	No. of vehicles and equipment	214,545	per vehicle	153,509
Paramedics	Paramedics Facilities	\$38.61	0.1225	sq.ft. of building area	315	per sq.ft.	2,511,426
	Paramedics Vehicles	\$27.60	0.0005	No. of vehicles and equipment	55,200	per vehicle	1,795,270
Homes for the Aged	Long Term Care Facilities	\$305.30	0.6387	sq.ft. of building area	478	per sq.ft.	19,858,544
Social Housing	Social Housing	\$1,604.83	10.71	sq.ft. of building area	149.84	per sq.ft.	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	\$22.48	0.0421	sq.ft. of building area	533.97	per sq.ft.	1,462,234
Health	Health Facilities	\$95.84	0.1975	sq.ft. of building area	485	per sq.ft.	6,234,009
	Health Vehicles	\$0.74	0.000002	No. of vehicles	390,898	per vehicle	48,134
Social Services	Social and Child Services Facilities	\$94.63	0.2647	sq.ft. of building area	357	per sq.ft.	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	\$392.32	0.8589	sq.ft. of building area	457	per sq.ft.	25,518,847
	Waste Diversion - Vehicles & Equipment	\$79.39	0.0004	No. of vehicles and equipment	198,475	per vehicle	5,164,002
	Waste Diversion - Carts & Containers	\$20.18	1.3441	No. of items	15	per Item	1,312,628

\*Transit is now based on a forward looking service standard based on the amendments to the DCA





# Comparison of Service Standards

Service Category	Sub-Component	2014 D.C. Study		2019 D.C. Study
		Maximum Ceiling LOS (2014\$)	Utilized* (2014\$)	Maximum Ceiling LOS (2019\$)
Services Related to a Highway	Services Related to a Highway	958,468,059	743,866,065	1,900,817,775
	Bridges, Culverts & Roundabouts	108,997,984		260,358,843
	Traffic Signals	19,898,725		21,588,842
	Active Transportation - Terminals	Previously combined with Services Related to a Highway		1,534,057
	Active Transportation - Shelters	Previously combined with Services Related to a Highway		1,439,256
Public Works Facilities, Fleet and Equipment	Depots and Domes	56,117,480	12,343,500	82,112,577
	Fleet	16,790,304	9,331,520	15,888,698
Fire	Fire Facilities*	19,519,649	19,890,874	17,015,972
	Fire Vehicles	11,779,913	3,705,216	10,525,530
	Fire Small Equipment and Gear	2,827,135	542,325	3,224,968
Police	Police Facilities*	24,411,373	24,808,438	23,983,005
	Police Vehicles	598,830	598,830	1,404,783
	Police Small Equipment and Gear	2,010,749	2,010,700	1,870,171
Parking	Parking Spaces	8,858,524	12,577,100	17,159,785
	Parking Meters	139,695		284,251
	Parking Facilities	3,776,922		5,551,026
Airport	Airport Facilities	9,374,519	8,870,872	18,961,559
Parks	Parkland Development	20,874,878	36,355,184	29,136,705
	Parkland Amenities (Buildings)	Previously combined with Park Amenities		312,871
	Parkland Amenities	20,949,623		36,451,778
	Parkland Trails	884,564		1,348,404
	Parks Vehicles and Equipment	Previously combined with Fleet		16,912

\*The capital amount utilized includes financing (interest) on growth-related debt

\*\*Transit is now based on a forward looking forecast as per Bill 73 as per slides six through twelve



# Comparison of Service Standards

Service Category	Sub-Component	2014 D.C. Study		2019 D.C. Study
		Maximum Ceiling LOS (2014\$)	Utilized* (2014\$)	Maximum Ceiling LOS (2019\$)
Recreation	Indoor Recreation Facilities	76,364,238	57,053,713	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	Previously combined with Park Amenities		11,639,982
	Recreation Vehicles and Equipment	Previously combined with Fleet		34,474
Library	Library Facilities	11,387,469	11,972,568	25,561,127
	Library Vehicles	74,745		153,509
	Library Collection Materials	5,156,862		4,327,510
Paramedics	Paramedics Facilities*	1,018,073	1,070,608	2,511,426
	Paramedics Vehicles	179,903	179,900	1,795,270
Long Term Care	Long Term Care Facilities	10,827,142	6,816,663	19,858,544
Social Housing	Social Housing	66,700,535	13,891,500	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	867,037	867,037	1,462,234
Health	Health Facilities	2,857,306	768,700	6,234,009
	Health Vehicles	44,331		48,134
Social Services	Social & Child Services	4,007,342	723,704	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	Previously Ineligible		25,518,847
	Waste Diversion - Vehicles & Equipment			5,164,002
	Waste Diversion - Carts & Containers			1,312,628

\*The capital amount utilized includes financing (interest) on growth-related debt

\*\*Transit is now based on a forward looking forecast as per Bill 73 as per slides six through twelve



# Service Standard Valuation Drivers

- Increase in land values for facilities
- Inclusion of land values and updated detailed costing for Services Related to a Highway
- Inflation from 2014 values (12.4%)
- Actual/tender costs provided by the City for specific projects
- Inclusion of Waste Diversion service (newly eligible as per Bill 73)
- Transit based on forward looking service standard (vs. historical average)



# Next Steps

- Finalize Capital Forecasts (Fall 2018)
- Draft Background Study prepared (Fall 2018)
- Staff to receive DC Policy opinions from external stakeholders (sub-committee direction – agriculture, downtown, etc.) (Late Fall 2018)
- Final Background Study released to public (Dec 2018 / Jan 2019)
- Draft By-law (Policy) prepared and released (early 2019)
- Public Meeting (Spring 2019)
- Council Considers By-law for adoption (Spring 2019)  
(current D.C. By-law expires July 5, 2019)



# 2019 Development Charges Background Study – Draft Service Standards

City of Hamilton

Development Charges Stakeholders Sub-Committee

September 13, 2018



# Draft Level of Service Ceiling

**APPENDIX B - LEVEL OF SERVICE CEILING**  
**CITY OF HAMILTON**

**SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED**

Service Category	Sub-Component	10 Year Average Service Standard				Maximum Ceiling LOS	
		Cost (per capita)		Quantity (per capita)	Quality (per capita)		
Services Related to a Highway	Roads	\$22,055.60	0.0092	lane km of roadways	2,397,348	per lane km	1,900,817,775
	Bridges, Culverts & Structures	\$3,021.00	0.0007	Number of Bridges, Culverts & Structures	4,315,714	per item	260,358,843
	Traffic Signals	\$250.50	0.0010	No. of Traffic Signals	250,500	per signal	21,588,842
	Facilities	\$952.77	1.6712	sq.ft. of building area	570	per sq.ft.	82,112,577
	Vehicles and Equipment	\$184.36	0.0023	No. of vehicles and equipment	80,157	per vehicle	15,888,698
	Active Transportation - Terminals	\$17.80	0.0563	sq.ft. of terminal space	316	per sq.ft.	1,534,057
	Active Transportation - Shelters	\$16.70	0.0021	No. of Shelters/Pads	7,952	per item	1,439,256
Fire	Fire Facilities	\$197.44	0.4755	sq.ft. of building area	415	per sq.ft.	17,015,972
	Fire Vehicles	\$122.13	0.0002	No. of vehicles	610,650	per vehicle	10,525,530
	Fire Small Equipment and Gear	\$37.42	0.0086	No. of equipment and gear	4,351	per Firefighter	3,224,968
Police	Police Facilities	\$278.28	0.6260	sq.ft. of building area	445	per sq.ft.	23,983,005
	Police Vehicles	\$16.30	0.0004	No. of vehicles and equipment	40,750	per vehicle	1,404,783
	Police Small Equipment and Gear	\$21.70	0.0045	No. of equipment and gear	4,822	per Officer	1,870,171
Parking	Parking Spaces	\$263.81	0.0090	No. of spaces	29,312	per space	17,159,785
	Parking Meters	\$4.37	0.0051	No. of Meters	857	per meter	284,251
	Parking Facilities	\$85.34	0.0599	sq.ft. of building area	1,425	per sq.ft.	5,551,026
Airport	Airport Facilities	\$291.51	0.0029	acres of land	100,521	per sq.ft.	18,961,559
Parks	Parkland Development	\$447.94	0.0115	Acres of Parkland	38,951	per acre	29,136,705
	Parkland Amenities	\$560.40	0.0334	No. of parkland amenities	16,778	per amenity	36,451,778
	Parkland Amenities - Buildings	\$4.81	0.1063	sq.ft. of building area	45	per sq.ft.	312,871
	Parkland Trails	\$20.73	0.0001	Linear Kilometres of Paths and Trails	207,300	per lin m.	1,348,404
	Parks Vehicles and Equipment	\$0.26	0.0001	No. of vehicles and equipment	2,600	per vehicle	16,912
Recreation	Indoor Recreation Facilities	\$1,852.13	4.0265	sq.ft. of building area	460	per sq.ft.	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	\$178.95	0.4181	sq.ft. of building area	428	per sq.ft.	11,639,982
	Recreation Vehicles and Equipment	\$0.53	0.0001	No. of vehicles and equipment	5,300	per vehicle	34,474
Library	Library Facilities	\$392.97	0.7327	sq.ft. of building area	536	per sq.ft.	25,561,127
	Library Collection Materials	\$66.53	2.0094	No. of library collection items	33	per collection item	4,327,510
	Library Vehicles	\$2.36	0.00001	No. of vehicles and equipment	214,545	per vehicle	153,509
Paramedics	Paramedics Facilities	\$38.61	0.1225	sq.ft. of building area	315	per sq.ft.	2,511,426
	Paramedics Vehicles	\$27.60	0.0005	No. of vehicles and equipment	55,200	per vehicle	1,795,270
Homes for the Aged	Long Term Care Facilities	\$305.30	0.6387	sq.ft. of building area	478	per sq.ft.	19,858,544
Social Housing	Social Housing	\$1,604.83	10.71	sq.ft. of building area	149.84	per sq.ft.	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	\$22.48	0.0421	sq.ft. of building area	533.97	per sq.ft.	1,462,234
Health	Health Facilities	\$95.84	0.1975	sq.ft. of building area	485	per sq.ft.	6,234,009
	Health Vehicles	\$0.74	0.000002	No. of vehicles	390,898	per vehicle	48,134
Social Services	Social and Child Services Facilities	\$94.63	0.2647	sq.ft. of building area	357	per sq.ft.	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	\$392.32	0.8589	sq.ft. of building area	457	per sq.ft.	25,518,847
	Waste Diversion - Vehicles & Equipment	\$79.39	0.0004	No. of vehicles and equipment	198,475	per vehicle	5,164,002
	Waste Diversion - Carts & Containers	\$20.18	1.3441	No. of items	15	per Item	1,312,628

\*Transit is now based on a forward looking service standard based on the amendments to the DCA



# Services Related to a Highway



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Roads  
 Unit Measure: lane km of roadways

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/lane km Including Land)
<b>Roads (lane km):</b>											
Rural Arterial	166	165	164	173	183	180	180	180	190	190	\$2,107,039
Rural Collector	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,606	1,606	\$2,200,131
Urban Collector	800	814	829	819	810	816	819	826	855	855	\$2,733,035
Industrial Collector	135	135	135	135	135	135	135	135	135	135	\$2,398,531
Urban Arterial Minor	412	403	395	393	392	393	392	391	394	394	\$2,417,106
Urban Arterial Major	958	962	965	976	987	952	961	963	974	974	\$2,040,634
Expressway	133	133	133	133	133	133	133	133	133	133	\$10,567,550
Provision for Sidewalks/Signalization/Boulevards/ etc. 20% of Urban and Industrial	488	489	491	491	491	486	488	490	498	498	\$1,438,155
<b>Active Transportation:</b>											
Bicycle Lanes (on road)	55	63	65	70	76	82	85	98	104	104	\$1,311,646
Cycle Track (Barrier)	-	-	-	-	1	5	5	5	6	6	\$12,008,553
Bike Paths (in Boulevard)	-	-	-	-	-	-	-	1	2	2	\$562,000
Multi-use Trails (Commuter)	43	43	45	47	50	51	52	54	55	55	\$562,000
Expanded Paved Shoulders on Rural Roads for Cycling	10	11	11	11	11	11	11	11	11	11	\$1,309,144
<b>Total</b>	<b>4,776</b>	<b>4,794</b>	<b>4,809</b>	<b>4,824</b>	<b>4,845</b>	<b>4,820</b>	<b>4,836</b>	<b>4,863</b>	<b>4,963</b>	<b>4,963</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009

10 Year Average	2009-2018
Quantity Standard	0.0092
Quality Standard	\$2,397,348
Service Standard	\$22,056

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$22,056
Eligible Amount	\$1,900,817,775

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Bridges, Culverts & Roundabouts

Unit Measure: Number of Bridges, Culverts & Structures

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Bridges	259	265	270	276	282	193	162	167	166	166	\$6,870,000
Culverts	122	121	119	118	117	117	117	117	117	117	\$590,000
Wilson at Meadowbrook (Ancaster) Roundabout	1	1	1	1	1	1	1	1	1	1	\$969,000
Wilson at Shaver (Ancaster) Roundabout	1	1	1	1	1	1	1	1	1	1	\$2,424,000
Binbrook at Fall Fair Way (Binbrook) Roundabout	1	1	1	1	1	1	1	1	1	1	\$606,000
Binbrook at Pumpkin Pass (Binbrook) Roundabout	1	1	1	1	1	1	1	1	1	1	\$969,000
<b>Total</b>	<b>385</b>	<b>389</b>	<b>394</b>	<b>398</b>	<b>403</b>	<b>314</b>	<b>283</b>	<b>288</b>	<b>287</b>	<b>287</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0007	0.0008	0.0008	0.0008	0.0008	0.0006	0.0005	0.0005	0.0005	0.0005

10 Year Average	2009-2018
Quantity Standard	0.0007
Quality Standard	\$4,315,714
Service Standard	\$3,021

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$3,021
Eligible Amount	\$260,358,843

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Services Related to a Highway - Traffic Signals  
Unit Measure: No. of Traffic Signals

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Full Signals (# of units)	424	435	446	457	468	483	491	501	509	524	\$255,000
Pedestrian Signals (# of units)	51	58	64	70	77	81	85	88	90	98	\$153,000
<b>Total</b>	<b>475</b>	<b>493</b>	<b>510</b>	<b>527</b>	<b>545</b>	<b>564</b>	<b>576</b>	<b>589</b>	<b>599</b>	<b>622</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0009	0.0010	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0011	0.0011

10 Year Average	2009-2018
Quantity Standard	0.0010
Quality Standard	\$250,500
Service Standard	\$251

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$251
Eligible Amount	\$21,588,842

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>Stoney Creek</b>												
Operations Centre (349 Jones Rd.)	44,185	44,185	44,185	44,185	44,185	44,185	44,185	44,185	44,185	44,185	\$401	\$587
Operations Centre (345 Jones Rd.)	2,773	2,773	2,773	2,773	2,773	2,773	2,773	2,773	2,773	2,773	\$401	\$932
Animal Control Facility (247 Dartnall Rd.)	24,468	24,468	24,468	24,468	24,468	24,468	24,468	24,468	24,468	24,468	\$401	\$628
Stoney Creek Ops Centre - Salt Building (349 Jones Rd.)	5,549	5,549	5,549	5,549	5,549	5,549	5,549	5,549	5,549	5,549	\$401	\$546
Stoney Creek Ops Centre - Sand Building (349 Jones Rd.)	12,600	12,600	12,600	12,600	12,600	12,600	12,600	12,600	12,600	12,600	\$277	\$385
Taplestown, Storage (119 Taplestown Rd.)	12,366	12,366	12,366	12,366	12,366	12,366	12,366	12,366	12,366	12,366	\$277	\$450
Taplestown, Sand Hut (119 Taplestown Rd.)	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	\$277	\$450
Taplestown, Salt Dome (119 Taplestown Rd.)	6,913	6,913	6,913	6,913	6,913	6,913	6,913	6,913	6,913	6,913	\$277	\$450
Stoney Creek Storage Building & Workshop (77 King St. W.)	5,829	5,829	5,829	5,829	5,829	5,829	5,829	5,829	5,829	-	\$401	\$581
Heritage Green Equipment Storage (355 First Rd. W.)	-	-	-	-	-	-	-	-	-	5,167	\$77	\$111
<b>Ancaster</b>												
Vehicle Storage Garage (334 Wilson St. E)	5,432	5,432	5,432	5,432	5,432	-	-	-	-	-	\$362	\$513
Operations New Garage (501 Shaver Rd.)	21,861	21,861	21,861	21,861	21,861	21,861	21,861	21,861	21,861	21,861	\$400	\$570
Operations Old Garage (501 Shaver Rd.)	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	\$400	\$586
Operations New Offices (501 Shaver Rd.)	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	3,634	\$311	\$775
Ancaster Ops - Sand Hut (501 Shaver Rd.)	4,880	4,880	4,880	4,880	4,880	4,880	4,880	4,880	4,880	4,880	\$277	\$385
Fiddler's Green Maintenance Yard, Shop/ Garage (1104 Fiddler's Green Rd.)	12,128	12,128	12,128	12,128	12,128	12,128	12,128	12,128	12,128	-	\$400	\$646
Fiddler's Green Maintenance Yard, Sand Hut (1104 Fiddler's Green Rd.)	1,156	1,156	1,156	1,156	1,156	1,156	1,156	1,156	1,156	-	\$277	\$466
Fiddler's Green Maintenance Yard, Salt Dome (1104 Fiddler's Green Rd.)	5,806	5,806	5,806	5,806	5,806	5,806	-	-	-	-	\$127	\$251
<b>Dundas</b>												
King St. Public Works Facility (189 King St. E.)	16,320	16,320	16,320	16,320	16,320	16,320	16,320	16,320	16,320	16,320	\$401	\$621
Dundas Physical Services - Storage Building - A (135 King St. E.)	900	900	900	900	900	900	900	900	900	900	\$277	\$2,283
Dundas Physical Services - Storage Building - B (135 King St. E.)	260	260	260	260	260	260	260	260	260	260	\$277	\$2,296
Sand Hut (189 King St. E.)	2,546	2,546	2,546	2,546	2,546	2,546	-	-	-	-	\$104	\$777
Salt Dome (189 King St. E.)	1,661	1,661	1,661	1,661	1,661	1,661	-	-	-	-	\$127	\$802
Paint Shop - Dundas Driving Park (Cross St.)	2,808	2,808	2,808	2,808	2,808	2,808	2,808	2,808	2,808	2,808	\$401	\$2,373
Works Bldg - Dundas Driving Park (Cross St.)	3,053	3,053	3,053	3,053	3,053	3,053	3,053	3,053	3,053	3,053	\$277	\$403
New Salt/Salt Quonset, (189 King St. E.)	-	-	-	-	-	-	9,600	9,600	9,600	9,600	\$47	\$340

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>Glanbrook</b>												
Airport Road (Building), Yard #2 (7098 Airport Rd.)	5,539	5,539	5,539	5,539	5,539	5,539	5,539	5,539	5,539	5,539	\$401	\$631
Airport Road, Mount Hope Rd. Shed, Yard #2 (7098 Airport Rd.)	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	2,580	\$277	\$450
Glanbrook Yard #1 (Maintenance Shop/Garage) 2111 Binbrook Dr.	5,509	5,509	5,509	5,509	5,509	5,509	5,509	5,509	5,509	5,509	\$277	\$477
Glanbrook Yard #1 (Sand/Salt) (2111 Binbrook Dr.)	2,620	2,620	2,620	2,620	2,620	2,620	2,620	2,620	2,620	2,620	\$96	\$227
Glanbrook Yard #1 (Storage Bldg.) (2111 Binbrook Dr.)	2,539	2,539	2,539	2,539	2,539	2,539	2,539	2,539	2,539	2,539	\$117	\$255
<b>Flamborough</b>												
Centre Road Block (Building) (1255 Centre Rd.	5,538	5,538	5,538	5,538	-	-	-	-	-	-	\$401	\$644
Centre Road Steel (Building) (1255 Centre Rd.	1,579	1,579	1,579	1,579	-	-	-	-	-	-	\$277	\$477
Brock Road Shed (Building) (867 4th Concession Rd. W.)	10,925	10,925	10,925	10,925	10,925	10,925	10,925	10,925	10,925	10,925	\$277	\$516
Brock Road Steel (Building) (867 4th Concession Rd. W.)	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	\$277	\$516
Millgrove Yard #1, Maintenance Shop/Garage (594 5th Concession Rd., W.)	11,158	11,158	11,158	11,158	11,158	11,158	-	-	-	-	\$347	\$502
Millgrove Yard #1, Salt Dome (594 5th Concession Rd., W.)	6,361	6,361	6,361	6,361	6,361	6,361	-	-	-	-	\$127	\$260
Rockton Yard #2, Maint. Shop/Garage (810 Woodhill Rd.)	7,176	7,176	7,176	7,176	7,176	7,176	7,176	7,176	7,176	7,176	\$401	\$677
Rockton Yard #2, Salt Dome (810 Woodhill Rd.)	6,324	6,324	6,324	6,324	6,324	6,324	6,324	6,324	6,324	6,324	\$277	\$447
Joe Sam's Works Yard - Pole Barn Storage for Public Works	14,406	14,406	14,406	14,406	14,406	14,406	14,406	14,406	14,406	14,406	\$270	\$473
Joe Sam's Works Yard - Storage Building	14,836	14,836	14,836	14,836	14,836	14,836	14,836	14,836	14,836	14,836	\$218	\$267
<b>Hamilton</b>												
CN Bldg. (Storage) (241 Stuart St.)	75,390	-	-	-	-	-	-	-	-	-	\$162	\$205
Arvin Yard (Water) (911 Arvin Ave.)	7,355	7,355	7,355	7,355	7,355	7,355	7,355	7,355	7,355	7,355	\$401	\$644
Arvin Yard Cold Storage (911 Arvin Ave.)	-	-	-	-	4,523	4,523	4,523	4,523	4,523	4,523	\$277	\$482
Bernie Court Yard, Maintenance Shop/Garage (308 Rymal Rd.)	20,720	20,720	20,720	20,720	20,720	20,720	20,720	20,720	20,720	20,720	\$400	\$705
Bernie Court Yard Garage	665	665	665	665	665	665	665	665	665	665	\$277	\$399
Bernie Court Yard Sand Hut	588	588	588	588	588	588	588	588	588	588	\$277	\$385
Bernie Court Yard, Salt Dome (308 Rymal Rd.)	5,328	5,328	5,328	5,328	5,328	5,328	5,328	5,328	5,328	5,328	\$277	\$1,108
Bernie Court Yard, Large Garage (308 Rymal Rd.)	10,576	10,576	10,576	10,576	10,576	10,576	10,576	10,576	10,576	10,576	\$400	\$760
Bernie Court Yard, Storage Barn (308 Rymal Rd.)	8,866	8,866	8,866	8,866	8,866	8,866	8,866	8,866	8,866	8,866	\$277	\$1,279

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Birch St. Yard, Salt Storage Bldg. (281 Birch St.)	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	\$277	\$389
Brampton Yard, Office (2200 Brampton St.)	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	\$311	\$1,028
Brampton Yard, Quonset (2200 Brampton St.)	2,753	2,753	2,753	2,753	2,753	2,753	2,753	2,753	2,753	2,753	\$277	\$968
Brampton Yard, Salt Dome (2200 Brampton St.)	4,138	4,138	4,138	4,138	4,138	4,138	4,138	4,138	4,138	4,138	\$277	\$968
Brampton Yard, Storage Building (2200 Brampton St.)	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	3,464	\$277	\$968
Barton Yard, Storage/Office/Shop (125 Barton St. W.)	60,632	60,632	60,632	60,632	60,632	60,632	60,632	60,632	60,632	60,632	\$401	\$545
Barton Yard, Carpenter's Shop (125 Barton St. W.)	13,453	13,453	13,453	13,453	13,453	13,453	13,453	13,453	13,453	13,453	\$401	\$599
Chedoke Yard, Salt Dome (161 Studholme Rd.)	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	3,116	\$277	\$517
Chedoke Yard, Operations Centre (161 Studholme Rd.)	9,947	9,947	9,947	9,947	9,947	9,947	9,947	9,947	9,947	9,947	\$190	\$270
Chedoke Yard, Garage/Fuel Building (161 Studholme Rd.)	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216	15,216	\$190	\$236
Forestry Depot, Maintenance Shop/Garage (1301 Upper Ottawa)	7,185	7,185	7,185	7,185	7,185	7,185	7,185	15,382	15,382	15,382	\$400	\$723
Forestry Depot, Quonset (1301 Upper Ottawa)	3,129	3,129	3,129	3,129	3,129	3,129	3,129	3,129	3,129	3,129	\$277	\$543
Forestry Depot, Storage Bldg. (1301 Upper Ottawa)	4,219	4,219	4,219	4,219	4,219	4,219	4,219	4,219	4,219	4,219	\$401	\$704
Gage Park Greenhouse #8/Production (1000 Main St. E.)	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	6,090	\$118	\$148
Gage Park Potting Shed (1000 Main St. E.)	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	\$137	\$214
Gage Park Boilerhouse (1000 Main St. E.)	575	575	575	575	575	575	575	575	575	575	\$100	\$137
Traffic Operations Centre (1375 Upper Ottawa)	52,017	52,017	52,017	52,017	52,017	52,017	52,017	52,017	52,017	52,017	\$401	\$724
Upper Ottawa Salt Shed (1199 Upper Ottawa)	6,640	6,640	6,640	6,640	6,640	6,640	6,640	6,640	6,640	6,640	\$277	\$1,586
WSOC - Wentworth Street Operation Centre (330 Wentworth St. N)	263,488	263,488	263,488	263,488	263,488	263,488	263,488	263,488	263,488	263,488	\$401	\$570
330 Wentworth St. Dome	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	11,263	\$114	\$156
Hamilton City Centre (77 James St. N., Suite 400)	37,603	37,603	37,603	37,603	37,603	37,603	37,603	37,603	37,603	37,603	\$299	\$366
<b>Shipping Containers:</b>												
Hamilton - Mohawk Sports Park (Bernie Arbour Stadium) (685 Upper Kenilworth Avenue)	-	160	160	160	320	320	320	320	320	320	\$40	\$65
Heritage Green Sports Park, Stoney Creek (341 First Road W.)	160	160	160	160	160	160	160	160	160	160	\$40	\$65
Jones Road Yard, Stoney Creek (345 Jones Rd.)	-	-	-	-	-	-	-	160	160	160	\$40	\$65
Gage Park, Hamilton (1000 Main St. E.)	-	-	160	160	320	320	320	320	320	320	\$40	\$65
Wentworth Street Operations Centre, Hamilton (330 Wentworth St. N.)	160	160	160	160	160	160	160	480	480	480	\$40	\$65

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Services Related to a Highway - Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Bernie Court Yard, Hamilton (308 Rymal Road East)	-	-	-	-	-	-	-	320	320	320	\$40	\$65
Chedoke Yard, Hamilton (161 Studholme Road)	640	640	640	800	800	800	800	800	800	800	\$40	\$65
Dundas Yard, Dundas (189 King St E)	-	-	-	-	-	-	-	640	640	640	\$40	\$65
Shaver Yard, Ancaster (501 Shaver Rd.)	-	-	-	-	-	-	-	320	320	320	\$40	\$65
<b>Land Only:</b>												
Old Rheem Property Snow Dump (128 Barton St.) (land only, 4.06 acres)	-	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06		\$365,000
<b>Total</b>	<b>958,111</b>	<b>882,881</b>	<b>883,041</b>	<b>883,201</b>	<b>880,927</b>	<b>885,095</b>	<b>857,563</b>	<b>867,520</b>	<b>872,687</b>	<b>853,574</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	1.8607	1.7122	1.6983	1.6905	1.6739	1.6730	1.6104	1.6157	1.6106	1.5670

10 Year Average	2009-2018
Quantity Standard	1.6712
Quality Standard	\$570
Service Standard	\$953

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$953
Eligible Amount	\$82,112,577

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
<b>Community Services</b>											
<b>Indoor Rec:</b>											
140X-EXT. USE ICE RESURFACER	-	-	-	-	-	-	-	-	3	3	\$98,000
140-ICE RESURFACER	23	23	24	24	24	24	23	23	24	24	\$98,800
161B-MOWER RIDING	2	2	2	2	-	-	-	1	1	1	\$104,000
124C-2WD SUV	-	-	-	-	1	1	1	1	1	1	\$31,200
073B-3/4TPU PLOW TGATE DUMP	-	1	1	1	1	1	1	1	1	1	\$52,000
074A-1 T PICKUP W/PLOW	3	3	3	3	2	2	2	2	2	2	\$52,000
124-SUV 4X4	-	-	-	-	-	-	-	1	1	1	\$41,600
073-PICKUP TRUCK 3/4 T	-	-	-	-	-	-	1	1	2	2	\$42,700
150-ATT MISCELLANEOUS	2	2	1	1	-	-	-	-	-	-	\$10,400
<b>Outdoor Rec:</b>											
007C-MOWER WALK BEHIND GREENS	3	2	2	2	-	-	-	-	-	-	\$7,300
020A-COMPACT PICK UP WITH PLOW	1	1	-	-	-	-	-	-	-	-	\$37,100
021-1/2 T PICK UP	4	6	5	5	4	4	4	3	3	3	\$29,100
022X-EXT.USE VAN 1/2 T	-	-	-	1	-	-	-	-	-	-	\$32,000
025-TRUCK W/HYD TAILGATE	1	1	1	1	1	1	1	1	-	-	\$52,000
026-VAN 1 T	-	-	-	1	-	-	-	-	-	-	\$65,500
026X-EXT. USE VAN 1 T	1	1	1	1	-	-	-	-	-	-	\$34,900
043A-TRACTOR FARM TYPE-SMALL	-	-	-	2	-	-	-	-	-	-	\$57,200
043C-TRACTOR FARM TYPE - LRG	4	4	4	2	-	-	-	-	-	-	\$57,200
066-MOWER RIDING FAIRWAY	10	10	10	11	-	-	-	-	-	-	\$46,800
073X-EXT. USE PICKUP 3/4 T	1	1	1	1	-	-	-	-	-	-	\$36,000
074-PICKUP TRUCK 1 T	3	2	2	2	2	2	1	1	1	1	\$52,000
076-VACUUM LEAF	2	3	3	3	-	-	-	-	-	-	\$10,400
079-MOWER TRIPLEX	6	8	8	7	-	-	-	-	-	-	\$46,800
083-TURF UTILITY VEH OVER \$20K	6	6	6	6	-	-	-	-	-	-	\$20,800
098-MOWER FRONT MNT RIDING ROT	1	1	1	1	-	-	-	-	-	-	\$46,800
102G-RIDE-ON WEED SPRAYER	2	2	2	2	-	-	-	-	-	-	\$41,600
103-TRAILER TANDEM AXLE	1	1	1	-	-	-	-	-	-	-	\$12,500
105-TOP DRESSER	2	2	2	2	-	-	-	-	-	-	\$20,800
106-AERIFIER	3	3	3	3	-	-	-	-	-	-	\$20,800
106B-AERIFIER LARGE	1	1	1	1	-	-	-	-	-	-	\$41,600
135-BLOWER LEAF LG PTO	1	-	-	-	-	-	-	-	-	-	\$10,400
137-TRAILER DUMP BOX	1	1	1	1	-	-	-	-	-	-	\$6,200
152-ALUMINUM DUMP/REG CAB	1	1	1	1	-	-	-	-	-	-	\$72,800
160-RAKE POWER RIDING SAND TRA	2	2	2	2	-	-	-	-	-	-	\$41,600
152PP-ALUM.DUMP CREW&PLOW - PARKS	-	-	-	-	-	-	-	-	1	1	\$72,800
<b>Public Health:</b>											
022-VAN 1/2 T	2	3	2	4	1	1	1	1	1	1	\$32,300
153-VAN MINI	2	1	2	2	1	1	1	1	1	1	\$46,800



City of Hamilton  
Service Standard Calculation Sheet

Service: Services Related to a Highway - Vehicles and Equipment  
Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
<b>Planning &amp; Economic Development:</b>											
017-HYBRID VEHICLES	41	53	60	61	60	61	61	57	45	45	\$36,400
018-CARS COMPACT	16	15	12	9	6	6	6	4	-	-	\$28,100
020X-EXT. USE PICKUP COMPACT	-	-	-	-	-	-	-	-	1	1	\$23,900
020-PICKUP TRUCK COMPACT	15	15	14	13	12	13	13	4	3	3	\$27,100
021-1/2 T PICK UP	3	3	5	5	3	3	3	3	4	4	\$29,100
022-VAN 1/2 T	4	4	4	4	4	5	5	3	3	3	\$32,300
073-PICKUP TRUCK 3/4 T	-	-	-	-	-	-	1	1	2	2	\$42,700
073B-3/4TPU PLOW TGATE DUMP	2	3	3	3	3	3	3	3	3	3	\$52,000
074A-1 T PICKUP W/PLOW	1	1	1	1	1	1	1	1	-	-	\$52,000
124-SUV 4X4	-	-	-	-	-	-	-	16	31	31	\$41,600
124A-SUV 4X4 SMALL	1	1	-	-	-	-	-	-	-	-	\$45,000
124C-2WD SUV	-	-	-	-	10	10	15	18	21	21	\$31,200
125-SWEEPER SIDEWALK	1	1	1	1	1	1	1	1	1	1	\$60,300
153-VAN MINI	4	3	2	3	2	3	3	3	5	5	\$46,800
202-FORKLIFTS-SKID STEERS	1	1	1	1	1	1	1	1	1	1	\$70,700
<b>Animal Control:</b>											
020B-COMPACT 4X4 PICKUP	2	2	2	2	1	1	1	-	-	-	\$27,100
124C-2WD SUV	-	-	-	-	-	-	-	1	1	1	\$31,200
124-SUV 4X4	-	-	-	-	-	-	-	1	1	1	\$41,600
153-VAN MINI	1	1	1	1	1	1	1	1	1	1	\$46,800
21-1/2 T PICK UP	1	1	1	1	1	1	1	1	1	1	\$29,100
<b>Public Works - Discounted:</b>											
007C-MOWER WALK BEHIND GREENS	4	4	4	4	6	5	5	5	8	8	\$7,300
012-TRAILER SINGLE AXLE	2	1	-	-	-	-	-	-	-	-	\$7,300
015C-POST HOLE DIGGER - 3 PT	1	1	1	1	1	1	1	1	1	1	\$10,400
017-HYBRID VEHICLES	32	52	52	41	52	52	52	49	36	36	\$36,400
018-CARS COMPACT	2	2	2	1	2	1	1	1	1	1	\$26,000
018X-EXT USE CAR COMPACT	-	-	2	2	2	-	-	-	-	-	\$28,100
019-CARS FULL SIZE	1	1	-	-	-	-	1	-	1	1	\$33,300
020B-COMPACT 4X4 PICKUP	-	-	1	2	-	-	-	-	-	-	\$27,100
020-PICKUP TRUCK COMPACT	6	10	11	11	10	7	6	2	2	2	\$27,100
020X-EXT. USE PICKUP COMPACT	1	-	1	1	1	1	1	1	4	4	\$25,900
021-1/2 T PICK UP	16	18	20	24	30	16	17	16	16	16	\$29,100
021X-EXT. USE PICKUP 1/2 T	1	-	1	2	2	2	2	2	-	-	\$25,900
022-VAN 1/2 T	9	9	9	9	12	11	11	8	14	14	\$32,300
023-VAN 3/4 T	1	1	1	2	2	2	1	1	1	1	\$33,300
025-TRUCK W/HYD TAILGATE	5	2	3	3	2	2	2	2	2	2	\$52,000
026B-VAN 1TON WITH SHELIVING	1	1	1	1	1	1	1	1	1	1	\$65,500

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
026C-CUBE VAN 1T	1	1	-	-	1	1	1	1	2	2	\$65,500
026D-VAN SPRINTER 1 T	3	3	4	4	4	4	4	4	4	4	\$65,500
026-VAN 1 T	14	14	14	9	16	16	16	16	16	16	\$65,500
026X-EXT. USE VAN 1 T	-	-	-	-	1	1	1	1	1	1	\$40,500
030-DUMP MEDIUM DUTY	5	5	4	3	2	2	1	1	1	1	\$116,500
032-BEACH RAKE	1	1	1	1	1	1	1	1	1	1	\$93,600
033-MINI EXCAVATOR	1	1	1	1	1	1	1	1	1	1	\$41,600
034-LOADER FRONT END 1 CU YD	3	3	3	3	2	1	1	2	1	1	\$96,800
043A-TRACTOR FARM TYPE-SMALL	7	7	11	7	9	9	9	9	9	9	\$57,200
043B-TRACTOR FARM TYPE - MED	8	7	7	5	5	4	3	3	3	3	\$57,200
043C-TRACTOR FARM TYPE - LRG	18	17	9	15	17	17	17	17	17	17	\$57,200
043D-TRACTOR FARM TYPE - XLRG	1	-	-	-	-	-	-	-	-	-	\$73,100
048-PRESSURE WASHER	-	-	1	1	1	1	1	1	1	1	\$10,400
049-STEAM GENERATORS	1	1	1	1	1	1	1	1	1	1	\$10,400
056-SPREADER FERTILIZER	1	-	-	-	-	-	-	-	-	-	\$5,800
066-MOWER RIDING FAIRWAY	2	2	2	3	14	14	14	14	15	15	\$46,800
073A-SERVICE BODY-UTILITY	5	7	7	7	9	8	8	8	8	8	\$67,600
073-PICKUP TRUCK 3/4 T	2	2	2	2	2	2	2	1	2	2	\$42,700
073X-EXT. USE PICKUP 3/4 T	1	1	1	1	1	-	-	-	-	-	\$46,100
074A-1 T PICKUP W/PLOW	2	2	2	2	4	4	4	4	4	4	\$52,000
074-PICKUP TRUCK 1 T	1	1	1	1	1	1	1	1	1	1	\$52,000
074X-EXT. USE PICK UP 1 T	1	1	1	1	1	-	-	-	2	2	\$42,700
076-VACUUM LEAF	-	-	-	-	3	3	3	3	3	3	\$10,400
079-MOWER TRIPLEX	-	-	-	-	7	7	7	7	7	7	\$46,800
080-TRACTOR/LOADER/BACKHOE	5	5	5	5	5	-	-	-	2	2	\$116,500
081A-LAWNMOWER SM ROT TOW BEH	7	7	7	7	5	5	5	5	5	5	\$10,400
081-MOWER TOW BEHIND ROTARY	2	2	2	1	1	1	1	1	1	1	\$20,800
083A-UTILITY VEH LARGE	-	-	1	1	1	1	1	1	-	-	\$104,000
083-TURF UTILITY VEH OVER \$20K VALUE	3	4	4	4	10	8	8	8	8	8	\$20,800
084-TURF UTILITY VEH LESS \$20K VALUE	9	23	24	24	24	23	23	23	23	23	\$20,800
090X-EXT. USE AERIAL TRUCK	2	2	-	-	-	-	-	-	-	-	\$202,400
098A-FRNT MNT ROTARY W/ATTCH	2	2	-	2	2	2	2	2	2	2	\$46,800
098-MOWER FRONT MNT RIDING ROT	42	46	46	48	48	42	42	42	42	42	\$46,800
098X-EXT. USE MOWER FRONT MNT	3	2	1	2	1	-	-	-	2	2	\$21,400
102G-RIDE-ON WEED SPRAYER	-	-	-	-	2	2	2	2	2	2	\$41,600
103B-TRAILER TANDEM ENCLOSED	1	2	2	2	2	2	2	2	4	4	\$12,500
103-TRAILER TANDEM AXLE	27	25	29	28	26	24	22	22	23	23	\$12,500
104-OVERSEEDER/RENOVATOR	4	4	4	4	4	4	4	4	4	4	\$20,800
105A-TOP DRESSER-LARGE	1	1	1	1	1	1	1	1	1	1	\$41,600
105-TOP DRESSER	3	3	3	3	5	5	5	5	5	5	\$20,800
106A-AERIFIER, SMALL	7	7	7	7	7	6	7	7	8	8	\$10,400

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
106-AERIFIER	4	4	4	4	7	7	7	7	7	7	\$20,800
106B-AERIFIER LARGE	1	1	1	1	2	2	2	2	2	2	\$41,600
109-TRAILER TRI-AXLE	3	3	1	2	2	2	2	2	2	2	\$12,500
110-MOWER 7 GANG	1	1	1	1	1	-	-	-	1	1	\$41,600
118S-SUR SKID LOADER BOBCAT	1	-	-	-	-	-	-	-	-	-	\$97,800
121A-DMP 1T STD CAB W PLOW	1	1	1	1	1	1	-	-	-	-	\$57,300
121-DUMP STAKE 1 T STD CAB	1	1	1	1	1	-	-	-	-	-	\$72,800
124C-2WD SUV	-	-	-	-	4	4	3	1	1	1	\$31,200
125-SWEEPER SIDEWALK	2	2	2	2	2	3	3	3	3	3	\$60,300
135-BLOWER LEAF LG PTO	1	1	1	1	1	1	1	1	1	1	\$10,400
137-TRAILER DUMP BOX	2	2	1	-	1	1	1	1	2	2	\$6,200
150G-ATT RAM HOW	2	2	2	1	-	-	-	-	-	-	\$10,400
151A-ALU.DUMP PLOW&TCSIGN 1.5T	2	2	2	2	2	1	1	1	1	1	\$78,000
151-ALUM. DUMP W/ PLOW 1.5 T	2	2	3	2	2	-	-	-	-	-	\$78,000
152A-ALUMINUM DUMP/CREW	7	10	9	9	8	3	1	2	6	6	\$72,800
152-ALUMINUM DUMP/REG CAB	-	-	-	-	1	1	1	1	1	1	\$72,800
152B-ALUM DUMP CREW/CRANE	2	-	-	2	1	1	1	1	1	1	\$72,800
152C-ALUM.DUMP CREW&PLOW&CRANE	-	1	2	1	1	1	1	1	1	1	\$72,800
152H-ALUM. DUMP-HIGH MILEAGE	-	-	1	1	1	1	1	1	1	1	\$72,800
152P-ALUM.DUMP CREW&PLOW	2	3	3	6	6	6	6	6	6	6	\$72,800
153-VAN MINI	6	7	6	3	5	4	4	4	4	4	\$46,800
153X-EXT. USE MINI VAN	1	-	-	-	2	-	-	-	-	-	\$31,500
155A-DUMP STAKE CREW 1T W/PLOW	4	4	3	3	1	-	-	-	-	-	\$72,800
155-DUMP STAKE CREW 1 T	21	20	19	19	15	8	7	7	10	10	\$72,800
155X-EXT. USE DUMP STAKE CREW	-	1	1	2	1	-	-	-	1	1	\$52,800
157A-TRUCK, PACKER 3500 CHAS	4	4	4	4	4	4	5	5	3	3	\$172,700
160-RAKE POWER RIDING SAND TRA	-	-	-	-	2	2	2	2	2	2	\$41,600
161B-MOWER RIDING	5	5	5	5	7	7	7	6	5	5	\$104,000
161-MOWER ROTARY GANG RIDING	12	12	11	12	14	12	13	12	14	14	\$104,000
162-DUMP STEEL CREW 1T	2	2	1	1	4	3	3	3	3	3	\$72,800
174-TRACKLESS	1	1	1	1	-	-	-	-	-	-	\$218,500
202-FORKLIFTS-SKID STEERS	5	6	7	7	7	6	6	6	6	6	\$70,700
203-SCISSOR MANLIFT	3	3	3	4	4	3	3	2	3	3	\$20,800
<b>Public Works - Shared</b>											
<b>Forestry &amp; Horticulture:</b>											
005-ANTI-ICE TANDEM TRUCK	-	-	1	1	1	1	1	1	1	1	\$187,300
012A-TRAILER,SINGLE AXLE,SMALL	2	2	1	1	1	1	1	1	1	1	\$7,300
017-HYBRID VEHICLES	-	-	-	-	-	2	3	3	3	3	\$36,400
018-CARS COMPACT	-	-	-	-	-	1	1	-	-	-	\$26,000
020-PICKUP TRUCK COMPACT	-	-	-	-	-	-	1	4	4	4	\$27,100
021-1/2 T PICK UP	-	-	-	-	-	13	13	13	14	14	\$29,100

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
021X-EXT. USE PICKUP 1/2 T	-	-	-	-	-	-	-	-	2	2	\$23,900
023-VAN 3/4 T	-	-	-	-	-	-	1	1	1	1	\$33,300
023X-EXT.USE VAN 3/4 T	-	-	-	-	-	-	-	-	1	1	\$55,100
034-LOADER FRONT END 1 CU YD	-	-	-	-	-	1	1	-	1	1	\$96,800
034A-LOADER FRNT END 1YD 4WD	1	1	1	1	1	1	1	1	1	1	\$96,800
035-LOADER FRNT END LG ARTIC	1	1	1	1	1	1	1	1	1	1	\$213,300
043B-TRACTOR FARM TYPE - MED	-	-	-	-	-	-	1	-	1	1	\$57,200
072-AERIAL TRUCK TRAFFIC	-	-	-	-	-	-	-	-	1	1	\$291,000
073-PICKUP TRUCK 3/4 T	-	-	-	-	-	-	-	1	-	-	\$42,700
084-TURF UTILITY VEH LESS \$20K VALUE	-	-	-	-	-	1	1	1	1	1	\$20,800
088-CHIPPER WOOD	12	13	15	15	15	15	15	15	14	14	\$93,600
089-STUMPER TREE	2	2	1	1	1	1	1	2	3	3	\$41,600
090A-AERIAL TRUCK FORESTRY	1	1	1	1	1	1	1	1	1	1	\$291,300
090-AERIAL TRUCK FORESTRY	-	-	-	-	-	1	1	1	1	1	\$291,300
090B-AERIAL TRUCK CHIPPER BOD	-	-	2	2	2	1	1	1	1	1	\$291,300
098-MOWER FRONT MNT RIDING ROT	-	-	-	-	-	1	1	1	1	1	\$46,800
103-TRAILER TANDEM AXLE	1	1	1	1	1	5	5	5	5	5	\$12,500
122-HOIST TRUCK FORESTRY	2	2	2	2	2	2	2	5	5	5	\$223,700
124C-2WD SUV	-	-	-	-	-	-	-	1	2	2	\$31,200
137-TRAILER DUMP BOX	-	-	-	-	-	-	-	1	-	-	\$6,200
151A-ALU.DUMP PLOW&TCSIGN 1.5T	-	-	-	-	-	1	1	1	1	1	\$78,000
152A-ALUMINUM DUMP/CREW	-	-	-	-	-	5	7	6	2	2	\$72,800
152AR-ALUMINUM DUMP/CREW	-	-	-	-	-	-	-	-	3	3	\$72,800
152ARA-ALU.DUMP PLOW&TCSIGN 1.5T - ROADS	-	-	-	-	-	-	-	-	1	1	\$72,800
152ARR-ALUMINUM DUMP/CREW	-	-	-	-	-	-	-	-	2	2	\$72,800
155-DUMP STAKE CREW 1 T	-	-	-	-	-	4	8	8	3	3	\$72,800
155P-DUMP STAKE CREW 1 T	-	-	-	-	-	-	-	-	3	3	\$72,800
158-ARROW BOARDS	1	1	1	1	1	1	1	1	1	1	\$246,600
159A-CHIPPER TRUCK TANDEM	-	1	1	1	1	1	1	1	1	1	\$10,400
159C-CHIPPER TRUCK COMPACT	-	1	1	1	1	1	1	1	1	1	\$187,300
159-CHIPPER TRUCK	6	5	5	5	5	5	5	5	5	5	\$78,000
164-LOADER FRONT END 3/4 CU YD	1	1	1	1	1	1	1	1	1	1	\$116,500
202-FORKLIFTS-SKID STEERS	-	-	-	-	-	1	1	1	1	1	\$70,700
202R-RECYCLE FORKLIFT RENTAL	-	-	-	-	-	-	-	-	1	1	\$70,700
<b>Public Works - Non-Discounted</b>											
<b>Traffic Operations:</b>											
041-STRIPER PAINT LG CENTRE	1	1	1	1	1	1	1	1	1	1	\$499,000
012C-TRAILER CABLE	-	-	-	-	-	-	-	-	1	1	\$7,300

City of Hamilton  
Service Standard Calculation Sheet

Service: Services Related to a Highway - Vehicles and Equipment  
Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
103WWW-TRAILER TANDEM AXLE (WATER)	-	-	-	-	-	-	-	-	1	1	\$12,500
127TT-TRUCK WITH AUGER - TRAFFIC	-	-	-	-	-	-	-	-	2	2	\$173,000
072T-AERIAL TRUCK TRAFFIC (BOOM)	-	-	-	-	-	-	-	-	1	1	\$291,000
123-PLATFORM W/PORT. CEMENT MI	1	1	1	1	1	1	1	1	1	1	\$224,000
153R-VAN MINI - ROADS	-	-	-	-	-	-	-	-	1	1	\$46,800
026BT-VAN 1TON WITH SHELVING (TRAFFIC)	-	-	-	-	-	-	-	-	1	1	\$65,500
119-STRIPER PAINT CROSSWALK/BE	4	4	4	4	4	3	4	4	4	4	\$10,400
156-SIGN TRUCK TRAFFIC	4	6	6	6	6	6	6	6	4	4	\$99,900
156TT-SIGN TRUCK TRAFFIC	-	-	-	-	-	-	-	-	2	2	\$99,900
156T-SIGN TRUCK TRAFFIC	-	-	-	-	-	-	-	-	1	1	\$99,900
127T-TRUCK WITH AUGER	-	-	-	-	-	-	-	-	1	1	\$173,000
202B-FORKLIFT WALK BEHIND	1	1	1	1	1	1	1	1	1	1	\$70,700
025-TRUCK W/HYD TAILGATE	3	3	3	3	3	3	3	3	3	3	\$52,000
072-AERIAL TRUCK TRAFFIC	1	1	1	1	1	1	1	1	1	1	\$291,000
090-AERIAL TRUCK FORESTRY	4	4	4	4	4	4	4	4	4	4	\$291,300
023-VAN 3/4 T	1	1	1	1	1	1	1	1	1	1	\$33,300
021-1/2 T PICK UP	9	9	9	9	9	9	9	9	9	9	\$29,100
<b>Construction Services:</b>											
017X-EXT.USE HYBRID VEHICLES	-	-	1	1	1	-	-	1	1	1	\$39,900
020X-EXT. USE PICKUP COMPACT	2	1	1	2	1	-	-	-	1	1	\$25,900
017-HYBRID VEHICLES	8	8	8	8	8	8	8	8	8	8	\$36,400
124C-2WD SUV	-	-	-	-	3	3	3	3	3	3	\$31,200
021W-1/2 T PICK UP (WATER)	-	-	-	-	-	-	-	-	1	1	\$35,400
<b>Other Non-Discounted:</b>											
090-AERIAL TRUCK FORESTRY	2	1	1	1	1	-	1	1	1	1	\$291,300
072-AERIAL TRUCK TRAFFIC	5	5	5	5	5	5	5	5	3	3	\$291,000
025-TRUCK W/HYD TAILGATE	2	3	2	2	4	5	5	3	1	1	\$52,000
023-VAN 3/4 T	2	5	5	5	5	4	5	5	7	7	\$33,300
021-1/2 T PICK UP	43	46	52	47	49	55	52	55	65	65	\$29,100
048R-PRESSURE WASHER - ROADS	-	-	-	-	-	-	-	-	1	1	\$10,400
049R-STEAM GENERATORS (ROADS)	-	-	-	-	-	-	-	-	1	1	\$10,400
083AR-UTILITY VEH LARGE - ROADS	-	-	-	-	-	-	-	-	1	1	\$104,000
103R-TRAILER TANDEM AXLE - ROADS	-	-	-	-	-	-	-	-	1	1	\$12,500
150-ATT MISCELLANEOUS	4	3	3	3	4	2	2	2	5	5	\$10,400
001-SANDER W/WING & FRNT 5.5	7	7	7	7	7	6	3	3	-	-	\$229,000
001X-EXT.USE SANDER	5	3	3	3	1	-	-	-	-	-	\$247,300
002A-ALUM.SANDER PREW BEL PLOW	5	5	5	5	5	5	5	5	5	5	\$229,000
003X-EXT.USE SANDER W/WING	1	1	-	-	-	-	-	-	-	-	\$224,900
005-ANTI-ICE TANDEM TRUCK	2	2	1	-	-	-	-	-	1	1	\$187,300
012A-TRAILER,SINGLE AXLE,SMALL	3	4	6	5	5	5	5	7	8	8	\$7,300
012-TRAILER SINGLE AXLE	5	5	5	5	5	5	5	4	-	-	\$7,300

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
013A-LARGE GENERATOR	4	4	4	5	5	-	-	-	5	5	\$6,200
015A-POST PULLER	5	5	-	-	-	-	-	-	-	-	\$2,800
015B-POST PULLER/POUNDER POWER	6	6	-	-	-	-	-	-	-	-	\$6,700
015-POST POUNDERS	3	3	-	-	-	-	-	-	1	1	\$8,400
020B-COMPACT 4X4 PICKUP	-	-	1	2	3	2	2	2	1	1	\$27,100
020-PICKUP TRUCK COMPACT	5	1	1	1	2	4	4	13	10	10	\$27,100
021X-EXT. USE PICKUP 1/2 T	6	5	3	7	2	-	-	-	3	3	\$25,900
024-PICKUP TRUCK CREW CAB	2	1	1	1	1	1	1	1	1	1	\$44,700
026A-CUBE VANS	8	8	8	8	8	8	8	8	-	-	\$74,900
026B-VAN 1TON WITH SHELVING	5	5	5	4	1	-	-	-	-	-	\$65,500
026-VAN 1 T	18	18	18	16	19	13	19	19	2	2	\$65,500
026X-EXT. USE VAN 1 T	2	2	2	2	2	-	-	-	-	-	\$40,500
029-1.5T DUMP W/SPRAYER	1	1	1	1	1	1	-	-	-	-	\$74,200
030A-TANDEM DUMP	4	4	4	4	4	4	4	4	-	-	\$187,000
030B-DUMP MEDIUM DUTY w/PLOW	-	-	1	1	1	1	1	1	1	1	\$229,000
030C-TRIAXLE DUMP	-	-	-	-	-	2	2	2	-	-	\$198,000
030-DUMP MEDIUM DUTY	-	-	-	-	2	4	4	3	-	-	\$117,000
031-DUMP MEDIUM W WATER TANK	3	3	3	3	-	-	-	2	-	-	\$101,200
034-LOADER FRONT END 1 CU YD	1	1	1	1	1	1	1	-	1	1	\$96,800
035-LOADER FRNT END LG ARTIC	15	15	14	14	14	14	14	14	14	14	\$213,000
037-GRADER	5	5	5	5	5	5	5	5	5	5	\$260,000
040-VALVE MAINTENANCE TRAILER	-	-	-	-	-	-	-	2	-	-	\$104,000
043A-TRACTOR FARM TYPE-SMALL	1	-	-	1	1	-	-	-	-	-	\$57,200
043B-TRACTOR FARM TYPE - MED	1	1	1	1	1	2	1	3	8	8	\$57,200
043C-TRACTOR FARM TYPE - LRG	1	-	-	-	-	-	-	-	3	3	\$57,200
043D-TRACTOR FARM TYPE - XLRG	1	1	2	-	-	-	-	1	-	-	\$73,100
045A-SWEEPER LRG MOBILE PM10	17	18	18	18	18	18	17	17	18	18	\$333,000
048-PRESSURE WASHER	2	2	1	-	-	-	-	-	-	-	\$10,400
049-STEAM GENERATORS	10	10	10	8	8	8	8	5	4	4	\$10,400
055-SAW CONCRETE HAND HELD	1	-	-	-	-	-	-	-	-	-	\$1,300
058-VACTOR TRUCK	2	2	2	2	2	2	2	2	2	2	\$479,000
060-BLOWER SNOW ATTACHMENT	6	6	5	5	5	5	5	5	5	5	\$187,000
061-BLOW SNOW -SELF PROP	1	1	-	-	-	-	-	-	-	-	\$348,500
062-COMPRESSOR	8	7	6	5	5	5	5	5	1	1	\$20,800
063-VAC ALL CATCH BASIN CLEANR	1	1	-	-	-	-	-	-	-	-	\$258,600
064-FLUSHER STREET	3	4	4	4	4	4	4	4	4	4	\$260,000
064X-EXT.USE FLUSHER	1	1	1	1	1	-	-	-	1	1	\$224,900
065-RODDING MACHINE SEWER	1	1	1	1	1	-	-	-	-	-	\$11,200
067-WELDERS	1	1	1	1	1	1	-	-	-	-	\$16,900
073A-SERVICE BODY-UTILITY	3	3	2	2	5	3	6	5	5	5	\$67,600
073B-3/4TPU PLOW TGATE DUMP	1	1	1	1	1	1	1	1	1	1	\$52,000

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
073C-SERVICE BODY-VALVE TRUCK	2	2	2	2	2	2	2	5	4	4	\$67,600
073-PICKUP TRUCK 3/4 T	4	4	4	4	5	6	5	6	7	7	\$42,700
080L-Large Tractor/Backhoe/	1	1	1	1	1	1	1	1	3	3	\$191,000
080-TRACTOR/LOADER/BACKHOE	7	8	7	7	8	12	12	12	8	8	\$117,000
081-MOWER TOW BEHIND ROTARY	3	1	-	-	-	-	-	-	-	-	\$20,800
083-TURF UTILITY VEH OVER \$20K	5	5	5	5	5	7	7	7	7	7	\$20,800
093A-ASPHALT RECYCLER	1	1	1	1	1	1	1	1	1	1	\$187,000
094-HOTPOT TRANSPORTER	9	9	9	8	18	14	10	11	10	10	\$41,600
095A-ROLLER ASPHALT-SMALL	2	2	2	2	2	2	2	2	2	2	\$20,800
095-ROLLER ASPHALT	4	4	4	5	5	5	5	5	4	4	\$20,800
098-MOWER FRONT MNT RIDING ROT	4	4	5	2	2	7	6	12	12	12	\$46,800
103A-TRAILER TANDEM 12T FLOAT	5	5	7	8	8	8	8	6	4	4	\$20,800
103-TRAILER TANDEM AXLE	22	22	19	18	18	16	17	22	18	18	\$12,500
109-TRAILER TRI-AXLE	3	2	3	1	1	1	-	1	-	-	\$12,500
121-DUMP STAKE 1 T STD CAB	-	-	-	-	-	1	1	1	1	1	\$72,800
124A-SUV 4X4 SMALL	2	2	2	1	1	-	-	-	-	-	\$45,000
124X-EXT.USE SUV 4X4	1	1	1	1	1	-	-	-	-	-	\$45,000
126-WATER TANK TRUCK MTD	2	2	2	2	2	2	2	2	4	4	\$93,600
127-TRUCK WITH AUGER	3	3	3	3	3	3	3	3	-	-	\$172,700
128A-ROLLER ASPHALT LG STEEL	1	1	1	1	1	1	-	-	-	-	\$134,900
128-ROLLER ASPHALT LARGE	1	-	-	-	-	-	-	-	-	-	\$61,800
148-SERVICE BODY W/PLATFORM	2	-	-	-	-	-	-	-	-	-	\$163,000
150-ATT MISCELLANEOUS	1	-	-	-	-	2	2	2	5	5	\$10,400
150G-ATT RAM HOE	8	8	8	9	9	6	6	7	9	9	\$10,400
150H-ATT FLAIL MOWER	-	-	-	-	-	-	-	1	-	-	\$10,400
151A-ALU.DUMP PLOW&TCSIGN 1.5T	1	1	1	1	1	1	1	1	-	-	\$78,000
151-ALUM. DUMP W/ PLOW 1.5 T	1	1	-	1	1	3	3	3	3	3	\$78,000
152A-ALUMINUM DUMP/CREW	6	5	7	7	8	8	14	14	-	-	\$72,800
152B-ALUM DUMP CREW/CRANE	6	8	8	6	7	7	10	10	-	-	\$72,800
152C-ALUM.DUMP CREW&PLOW&CRANE	7	6	5	6	6	6	9	9	12	12	\$72,800
152D-ALUM.DUMP CAB OVER	2	2	2	2	2	2	2	2	1	1	\$67,600
152H-ALUM. DUMP-HIGH MILEAGE	7	7	6	6	6	6	6	6	6	6	\$72,800
152P-ALUM.DUMP CREW&PLOW	9	9	9	6	6	6	8	8	-	-	\$72,800
153E-VAN MINI ELECTRIC	-	-	-	1	1	1	1	1	-	-	\$84,700
153-VAN MINI	6	5	6	5	5	5	5	8	5	5	\$46,800
155A-DUMP STAKE CREW 1T W/PLOW	-	-	1	1	1	2	7	7	4	4	\$72,800
155-DUMP STAKE CREW 1 T	-	1	2	1	4	8	5	5	4	4	\$72,800
022X-EXT.USE VAN 1/2 T	-	-	-	-	-	-	-	-	1	1	\$42,700
158-ARROW BOARDS	13	14	14	14	14	11	13	12	14	14	\$10,400
162A-DMP STL CREW CRANE/PLOW	5	5	5	4	4	4	-	-	-	-	\$59,600
162-DUMP STEEL CREW 1T	7	7	8	8	5	6	-	-	-	-	\$72,800

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
171X-EXT USESNDRSIDETILT/WING	3	2	1	-	-	-	-	-	-	-	\$258,600
172-SNDRRADIUSDUMPW/2WAYFRONT&	5	5	5	4	4	4	1	-	-	-	\$258,600
172X-SNDRRADIUSDUMPW/2WAY	7	7	7	5	5	-	-	-	-	-	\$258,600
173-SANDER PRE-WET 2WAY W/WING	10	10	10	10	10	10	4	7	3	3	\$281,000
174-TRACKLESS	5	5	5	5	5	5	5	5	5	5	\$218,000
185-GRADAL	3	3	3	3	3	3	3	3	3	3	\$335,000
187A-ALUM.SAND PREW FR&WG PLOW	12	12	12	12	12	12	12	12	12	12	\$229,000
187-SANDER 1 AXL PREWET PL/WG	9	9	9	9	9	9	9	9	14	14	\$229,000
188A-ALUM.SAND PREW FR&WG PLOW	15	22	32	32	32	32	41	32	33	33	\$281,000
188-SANDER TAND PREWET PL/WG	10	10	10	10	10	10	10	22	26	26	\$281,000
189-SANDER 1 AXL PREWET PLOW	8	8	8	8	8	8	8	8	4	4	\$229,000
193-SANDER TAND PREWET PLOW	4	4	4	4	4	4	4	4	1	1	\$281,000
200A-CRASH ATTENUATORS TRUCK	2	-	-	-	-	-	-	-	-	-	\$39,300
200-CRASH ATTENUATORS	3	3	4	4	4	4	4	4	3	3	\$52,000
202-FORKLIFTS-SKID STEERS	5	5	4	4	4	4	3	3	2	2	\$70,700
021W-1/2 T PICK UP (WATER)	-	-	-	-	-	-	-	-	1	1	\$35,400
024X-EXT.USE P/U CREW CAB	-	-	-	-	-	-	-	-	1	1	\$44,700
093-PAVER ASPHALT	1	1	1	-	-	-	-	1	1	1	\$391,520
025X-EXT. USE TRUCK W/HYD TAIL	-	-	-	-	-	-	-	-	2	2	\$59,300
080X-EXT.USE TRACTOR/LOAD/BHOE	-	-	-	-	-	-	-	-	1	1	\$117,000
080W-TRACTOR/LOADER/BACKHOE	-	-	-	-	-	-	-	-	4	4	\$156,000
084X-EXT.USE TURF LESS \$20K	-	-	-	-	-	-	-	-	2	2	\$20,800
088X-EXT.USE CHIPPER WOOD	-	-	-	-	-	-	-	-	1	1	\$106,000
095R-ROLLER ASPHALT	-	-	-	-	-	-	-	-	1	1	\$20,800
095XR-EXT.USE ROLLER ASPHALT	-	-	-	-	-	-	-	-	1	1	\$20,800
124-SUV 4X4	-	-	-	-	-	-	-	-	1	1	\$36,400
12-TRAILER SINGLE AXLE	-	-	-	-	-	-	-	-	3	3	\$7,300
13-GENERATORS	-	-	-	-	-	-	-	-	1	1	\$20,800
150C-ATT SNOW BLW SKID STEER	-	-	-	-	-	-	-	-	1	1	\$10,400
151ARA-ALU.DUMP PLOW&TCSIGN 1.5T - ROADS	-	-	-	-	-	-	-	-	1	1	\$78,000
152ARA-ALU.DUMP PLOW&TCSIGN 1.5T - ROADS	-	-	-	-	-	-	-	-	11	11	\$72,800
152AR-ALUMINUM DUMP/CREW	-	-	-	-	-	-	-	-	7	7	\$72,800
152ARR-ALUMINUM DUMP/CREW	-	-	-	-	-	-	-	-	4	4	\$72,800
152CR-ALUM.DUMP CREW&PLOW&CRANE	-	-	-	-	-	-	-	-	3	3	\$72,800
152DW-ALUM.DUMP CAB OVER	-	-	-	-	-	-	-	-	1	1	\$67,600
152PR-ALUM.DUMP CREW&PLOW	-	-	-	-	-	-	-	-	1	1	\$72,800
155AA-DUMP STAKE CREW 1T W/PLOW	-	-	-	-	-	-	-	-	3	3	\$72,800
157AR-TRUCK, PACKER 3500 CHAS	-	-	-	-	-	-	-	-	1	1	\$173,000
173X-SANDER PRE-WET 2WAY W/WING	-	-	-	-	-	-	-	-	1	1	\$281,000



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
187X-Ext use Sander 1AXL prewet PL/WG	-	-	-	-	-	-	-	-	2	2	\$229,000
188R-SANDER TAND PREWET PL/WG	-	-	-	-	-	-	-	-	1	1	\$286,000
188X-Ext use Sander Tand Prewet PL/WG	-	-	-	-	-	-	-	-	6	6	\$286,000
189X-Ext use Sander 1axl prewet plow	-	-	-	-	-	-	-	-	2	2	\$229,000
193X-Ext use Sander Tand prewet plow	-	-	-	-	-	-	-	-	3	3	\$281,000
1-SANDER W/WING & FRNT 5.5	-	-	-	-	-	-	-	-	2	2	\$229,000
200R-CRASH ATTENUATORS	-	-	-	-	-	-	-	-	1	1	\$52,000
202R-RECYCLE FORKLIFT RENTAL	-	-	-	-	-	-	-	-	1	1	\$70,700
205-PLATFORM LADDER	-	-	-	-	-	-	-	-	2	2	\$20,800
097-MOWER ROTARY TRIM	-	-	-	-	-	-	-	-	1	1	\$46,800
<b>Water:</b>											
012S-TRAILER SHORING (WATER)	-	-	-	-	-	-	-	-	1	1	\$7,300
017SUV-HYBRID VEHICLES (WATER - SUV)	-	-	-	-	-	-	-	-	4	4	\$36,400
017W-HYBRID VEHICLES (WATER)	-	-	-	-	-	-	-	-	9	9	\$36,400
020W-PICKUP TRUCK COMPACT (WATER)	-	-	-	-	-	-	-	-	1	1	\$31,200
020WW-PICKUP TRUCK COMPACT (WATER MAINT)	-	-	-	-	-	-	-	-	1	1	\$31,200
022W-VAN 1/2 T (WATER)	-	-	-	-	-	-	-	-	3	3	\$42,700
023W-VAN 3/4 T (WATER)	-	-	-	-	-	-	-	-	2	2	\$55,100
026AW-VAN 1 T (WATER)	-	-	-	-	-	-	-	-	7	7	\$74,900
026AWW-VAN 1 T (WATER)	-	-	-	-	-	-	-	-	1	1	\$74,900
026WW-VAN 1 T - WATER	-	-	-	-	-	-	-	-	8	8	\$65,500
030AW-TANDEM DUMP (WATER)	-	-	-	-	-	-	-	-	1	1	\$187,000
030WT-DUMP MEDIUM DUTY (WATER TNDM)	-	-	-	-	-	-	-	-	1	1	\$117,000
030WW-DUMP MEDIUM DUTY (WATER)	-	-	-	-	-	-	-	-	7	7	\$117,000
035W-LOADER FRNT END LG ARTIC - WATER	-	-	-	-	-	-	-	-	1	1	\$260,000
049W-STEAM GENERATORS (WATER)	-	-	-	-	-	-	-	-	1	1	\$10,400
062W-COMPRESSOR (WATER)	-	-	-	-	-	-	-	-	2	2	\$20,800
073AW-SERVICE BODY-UTILITY (WATER)	-	-	-	-	-	-	-	-	1	1	\$67,600
103W-TRAILER TANDEM AXLE (WATER)	-	-	-	-	-	-	-	-	7	7	\$12,500
103WW-TRAILER TANDEM AXLE (WATER)	-	-	-	-	-	-	-	-	2	2	\$12,500
202W-FORKLIFTS-SKID STEERS - WATER	-	-	-	-	-	-	-	-	1	1	\$70,700
<b>Total</b>	<b>1,135</b>	<b>1,185</b>	<b>1,185</b>	<b>1,158</b>	<b>1,191</b>	<b>1,145</b>	<b>1,156</b>	<b>1,188</b>	<b>1,305</b>	<b>1,305</b>	

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Vehicles and Equipment

Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730	
Per Capita Standard	0.0022	0.0023	0.0023	0.0022	0.0023	0.0022	0.0022	0.0022	0.0024	0.0024	

10 Year Average	2009-2018
Quantity Standard	0.0023
Quality Standard	\$80,157
Service Standard	\$184

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$184
Eligible Amount	\$15,888,698

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Active Transportation - Terminals  
 Unit Measure: sq.ft. of terminal space

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/sq.ft.)
<b>Active Transportation (sq.ft.):</b>											
Downtown Transit Terminal	-	-	2,221	2,221	2,221	2,221	2,221	2,221	2,221	2,221	\$600
McNab Street Terminal	27,990	27,990	27,990	27,990	27,990	27,990	27,990	27,990	27,990	27,990	\$300
<b>Total</b>	<b>27,990</b>	<b>27,990</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	<b>30,211</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.054	0.054	0.058	0.058	0.057	0.057	0.057	0.056	0.056	0.056

10 Year Average	2009-2018
Quantity Standard	0.0563
Quality Standard	\$316
Service Standard	\$18

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$18
Eligible Amount	\$1,534,057

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Services Related to a Highway - Active Transportation - Shelters & pads  
 Unit Measure: No. of Shelters/Pads

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
<b>Active Transportation (items):</b>											
Transit Shelters	559	559	565	565	565	565	565	565	565	565	\$13,500
Transit Landing Pads	510	519	525	525	547	547	547	547	547	547	\$2,200
<b>Total</b>	<b>1,069</b>	<b>1,078</b>	<b>1,090</b>	<b>1,090</b>	<b>1,112</b>	<b>1,112</b>	<b>1,112</b>	<b>1,112</b>	<b>1,112</b>	<b>1,112</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

10 Year Average	2009-2018
Quantity Standard	0.0021
Quality Standard	\$7,952
Service Standard	\$17

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$17
Eligible Amount	\$1,439,256



# Fire Protection

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Fire Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Station 1 - 35 - 43 John Street North	20,929	20,929	20,929	20,929	20,929	20,929	15,680	15,680	15,680	15,680	\$342	\$406
Station 2 - 1400 Upper Wellington Street	7,503	7,503	7,503	7,503	7,503	7,503	7,503	7,503	7,503	7,503	\$342	\$498
Station 3 - 965 Garth Street	5,615	5,615	5,615	5,615	5,615	5,615	5,615	5,615	5,615	5,615	\$342	\$442
Station 4 - 729 Upper Sherman Avenue	18,140	18,140	18,140	18,140	18,140	18,140	18,140	18,140	18,140	18,140	\$342	\$435
Station 5 - 1000 Limeridge Road East (EMS as of 2011)	7,060	7,060	-	-	-	-	-	-	-	-	\$342	\$461
Station 5 - 1227 Stone Church Road Building A	-	-	9,494	9,494	9,494	9,494	9,494	9,494	9,494	9,494	\$316	\$391
Station 6 - 246 Wentworth Street North	12,864	12,864	12,864	12,864	12,864	12,864	12,864	12,864	12,864	12,864	\$342	\$582
Station 7 - 225 Quigley Road	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	\$342	\$452
Station 8 - 400 Melvin Avenue	5,674	5,674	5,674	5,674	5,674	5,674	5,674	5,674	5,674	5,674	\$342	\$420
Station 9 - 125 Kenilworth Avenue North	7,098	7,098	7,098	7,098	7,098	7,098	7,098	7,098	7,098	7,098	\$342	\$413
Station 10 - 1455 Main Street West	7,504	7,504	7,504	7,504	7,504	7,504	7,504	7,504	7,504	7,504	\$342	\$413
Station 11 - 24 Ray Street South	3,685	3,685	3,685	3,685	3,484	3,484	3,484	3,484	3,484	3,484	\$342	\$413
Station 12 - 199 Highway #8, Stoney Creek	8,973	8,973	8,973	8,973	8,973	8,973	8,973	8,973	8,973	8,973	\$304	\$387
Station 13 - 177 Bay Street North (Mechanical Division)	9,516	9,516	9,516	9,516	9,516	9,516	9,516	9,516	9,516	9,516	\$342	\$436
Station 14 - 595 Chapel Hill Road, Elfrida	3,977	3,977	3,977	3,977	3,977	3,977	3,977	3,977	3,977	3,977	\$342	\$421
Station 15 - 415 Arvin Avenue, Stoney Creek	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	\$278	\$395
Station 16 - 939 Barton Street, Stoney Creek	6,671	6,671	6,671	6,671	6,671	6,671	6,671	6,671	6,671	6,671	\$278	\$485
Station 17 - 363 Isaac Brock Drive, Stoney Creek	5,435	5,435	5,435	5,435	5,435	5,435	5,435	5,435	5,435	5,435	\$274	\$357
Station 18 - 2636 Highway #56, Binbrook	8,231	8,231	8,231	8,231	8,231	8,231	8,231	8,231	8,231	8,231	\$247	\$342
Station 19 - 3303 Homestead Drive, Mount Hope	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	\$307	\$391
Station 20 - Garner and Kitty Murray	5,484	5,484	5,484	5,484	5,484	5,484	5,484	5,484	5,484	5,484	\$344	\$424
Station 21 - 365 Wilson Street, Ancaster	9,396	9,396	9,396	9,396	9,396	9,396	9,396	9,396	9,396	9,396	\$354	\$517
Station 22 - 1227 Stone Church Road East (SFRC) (Training)	6,396	-	-	-	-	-	-	-	-	-	\$341	\$420
Station 23 - Memorial Square, Dundas	7,189	7,189	7,189	7,189	7,189	7,189	7,189	7,189	7,189	7,189	\$241	\$303
Station 24 - 256 Parkside Drive, Waterdown	7,808	7,808	7,808	7,808	7,808	7,808	7,808	7,808	7,808	7,808	\$256	\$348
Station 25 - 361 Old Brock Road, Greensville	2,641	2,641	2,641	2,641	2,641	2,641	2,641	2,641	2,641	2,641	\$256	\$422
Station 26 - 119 Lynden Road, Lynden	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	\$256	\$360
Station 27 - 795 Old Highway #8, Rockton	5,186	5,186	5,186	5,186	5,186	5,186	5,186	5,186	5,186	5,186	\$256	\$403
Station 28 - 1801 Brock Road, Freelon	4,402	4,402	4,402	4,402	4,402	4,402	4,402	4,402	4,402	4,402	\$256	\$362
Station 29 - 189 King Street East, Dundas (Fire Prevention)	4,035	4,035	4,035	-	-	-	-	-	-	-	\$342	\$549
55 King William Street (incl. Fire Prevention)	6,874	6,874	6,874	6,874	6,874	6,874	6,874	6,874	6,874	6,874	\$239	\$302
Station 30 - 489 Victoria Avenue North (Stores)	5,874	5,874	5,874	5,874	5,874	5,874	5,874	5,874	5,874	5,874	\$342	\$443
Building 'B' Administration - 1227 Stone Church Road East (MATC)	-	-	15,135	15,135	15,135	15,135	15,135	15,135	15,135	15,135	\$316	\$383

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Fire Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Building 'C' Training - 1227 Stone Church Road East (MATC)	-	-	22,363	22,363	22,363	22,363	22,363	22,363	22,363	22,363	\$316	\$377
Building 'D' Training - 1227 Stone Church Road East (MATC)	-	-	8,091	8,091	8,091	8,091	8,091	8,091	8,091	8,091	\$316	\$391
<b>Total</b>	<b>223,696</b>	<b>217,300</b>	<b>265,323</b>	<b>261,288</b>	<b>261,087</b>	<b>261,087</b>	<b>255,838</b>	<b>255,838</b>	<b>255,838</b>	<b>255,838</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.4344	0.4214	0.5103	0.5001	0.4961	0.4935	0.4804	0.4765	0.4722	0.4697

10 Year Average	2009-2018
Quantity Standard	0.4755
Quality Standard	\$415
Service Standard	\$197

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$197
Eligible Amount	\$17,015,972

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Fire Vehicles  
Unit Measure: No. of vehicles

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
Urban Rescue Pumps/Engine	20	20	20	20	20	20	20	20	20	16	\$940,000
Urban Pumper	-	-	-	-	-	-	-	-	-	4	\$830,000
Urban Rescue	3	3	3	3	3	3	3	3	3	3	\$681,000
Urban Heavy Rescue	3	3	3	4	4	4	4	4	4	4	\$739,000
Fire Prevention Trailer	1	1	1	1	1	1	1	1	1	1	\$102,000
Hazmat Decon Trailer	1	-	-	-	-	-	-	-	-	-	\$171,000
Decon Truck	-	1	1	1	1	1	1	1	1	1	\$114,000
Hazmat Support	-	-	1	1	1	1	1	1	1	1	\$1,300,000
RIT Training Trailer	1	1	1	1	1	1	1	1	1	1	\$199,000
Towers	1	1	1	1	1	1	1	1	1	1	\$1,420,000
Command Staff - SUV	8	8	9	9	9	9	8	8	8	8	\$70,000
Support Units	7	7	7	7	7	5	5	5	5	5	\$100,000
Sedans (Command + Support Division)	7	7	7	7	7	9	9	9	9	9	\$57,300
Rural Heavy Rescue	2	2	2	2	2	2	2	2	2	2	\$739,000
Rural Tanker/Pumper	12	12	12	12	12	12	12	12	12	7	\$965,000
Rural Rescue Pumps	9	9	9	9	9	9	9	9	9	8	\$770,000
Rural Tankers	-	-	-	-	-	-	-	-	-	6	\$719,000
Quints	8	9	9	9	9	9	9	9	9	9	\$1,420,000
Platform Ladder	-	-	-	1	1	1	1	1	1	1	\$1,490,000
Pumper/Tankers (Bush Truck)	1	1	1	1	-	-	-	-	-	-	\$795,000
Brush Truck (Small)	-	-	-	-	1	1	1	1	1	1	\$398,000
Urban Interface Truck	-	-	-	-	1	1	1	1	1	1	\$739,000
Mobil Command Van	1	1	1	1	1	1	1	1	1	1	\$554,000
Light Trucks and Vans	8	8	8	11	11	12	12	12	12	12	\$66,300
Hybrid Fuel Cars/SUV	8	8	8	8	8	7	1	1	1	1	\$49,500
Compact Cars	12	12	12	6	6	6	13	13	13	13	\$35,000
Logistic Trailer	-	-	-	-	-	-	1	1	1	1	\$9,400
Portable Pump Test Trailer	-	-	-	-	-	1	1	1	1	1	\$101,200
<b>Total</b>	<b>113</b>	<b>114</b>	<b>116</b>	<b>115</b>	<b>116</b>	<b>117</b>	<b>118</b>	<b>118</b>	<b>118</b>	<b>118</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

10 Year Average	2009-2018
Quantity Standard	0.0002
Quality Standard	\$610,650
Service Standard	\$122

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$122
Eligible Amount	\$10,525,530



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Fire Small Equipment and Gear  
 Unit Measure: No. of equipment and gear

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Hurst Auto Extractors	51	51	57	57	57	57	57	57	57	57	\$14,300
Station Air Compressors	28	28	28	28	28	28	28	28	28	28	\$2,900
Cascade Systems	5	5	5	5	5	5	5	5	5	5	\$120,300
S.C.B.A.'s packs	363	363	363	363	363	363	363	363	363	363	\$11,000
Washer Extractors	16	16	18	21	21	23	23	23	23	23	\$17,000
Defibrillators-Fire	45	53	53	53	57	57	57	57	57	57	\$5,700
Defibrillators-Fire Training Units	8	8	8	8	9	9	9	9	9	9	\$5,700
Bunker Gear & Protective Clothing	825	825	825	825	825	825	825	1,650	1,650	1,650	\$3,900
Portable Trunk Radios	470	470	470	470	470	470	525	525	525	525	\$6,700
Portable Pumps	15	15	15	15	16	16	16	16	16	16	\$10,000
Ram Kits	38	38	40	40	40	40	40	40	40	40	\$11,000
AirBags	62	62	64	64	64	64	64	64	64	64	\$11,000
TMX Gas Detectors	32	32	32	32	-	-	-	-	-	-	\$6,700
Ventis MX4 Gas Detectors	-	-	-	-	47	47	47	47	47	47	\$3,800
Ventis MX6 Gas Detectors	-	-	-	-	2	2	2	2	2	2	\$6,000
Thermal Imaging Cameras	13	13	13	13	19	19	19	30	30	35	\$12,200
Highrise Packs (parachute kits)	22	22	22	22	22	22	22	22	22	22	\$2,200
Hazmat Detection Equipment	2	2	2	2	2	2	2	2	2	4	\$60,000
S.C.B.A.'s face pieces	825	825	825	825	825	825	825	825	825	825	\$400
S.C.B.A. Cylinders	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	\$1,400
Station Exhaust Systems	27	27	27	27	27	27	27	27	27	27	\$51,000
Confined Space	1	1	1	1	1	1	1	1	1	1	\$25,500
Hazmat P.P.E. & Response Equipment	1	1	1	1	1	1	1	1	1	1	\$367,200
High Angle Rope Rescue	5	5	5	5	5	5	5	5	5	5	\$30,600
<b>Total</b>	<b>4,254</b>	<b>4,262</b>	<b>4,274</b>	<b>4,277</b>	<b>4,306</b>	<b>4,308</b>	<b>4,363</b>	<b>5,199</b>	<b>5,199</b>	<b>5,206</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0083	0.0083	0.0082	0.0082	0.0082	0.0081	0.0082	0.0097	0.0096	0.0096

10 Year Average	2009-2018
Quantity Standard	0.0086
Quality Standard	\$4,351
Service Standard	\$37

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$37
Eligible Amount	\$3,224,968



# Police Services

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Police Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>City Owned</b>												
Central Station (155 King William)	144,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	144,000	\$392	\$458
East End Station (2825 King St E)	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	42,000	\$392	\$481
Mountain Station (488 U. Wellington)	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	\$392	\$446
Marine Facility (Guise St)	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	\$98	\$126
Divisional 30 Headquarters (Rymal Rd)	38,000	38,000	38,000	38,000	38,000	38,000	38,000	38,000	38,000	38,000	\$392	\$488
Station #19, Police, 3302 Homestead Rd.	285	285	285	285	285	-	-	-	-	-	\$205	\$266
Station #18, Police, 2636 Hwy 56, Binbrook	334	334	334	334	334	-	-	-	-	-	\$205	\$268
Mountain Training Facility	-	-	28,881	28,881	28,881	28,881	28,881	28,881	28,881	28,881	\$332	\$381
<b>City Leased</b>												
Dundas Station (2 King St W)	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	\$392	\$447
601 Burlington Street	2,852	2,852	2,852	2,852	2,852	2,852	2,852	-	-	-	\$164	\$207
<b>Community Policing Centres and Other</b>												
Professional Standards Branch	1,400	1,400	-	-	-	-	-	-	-	-	\$164	\$207
Landsdale-Stinson	800	800	800	800	800	-	-	-	-	-	\$164	\$207
Centre Mall	850	850	850	850	-	-	-	-	-	-	\$164	\$207
Ancaster Municipal Office	400	400	400	-	-	-	-	-	-	-	\$164	\$207
Concession Street	850	850	850	850	850	850	-	-	-	-	\$164	\$207
Flamborough Municipal Office	750	750	750	-	-	-	-	-	-	-	\$336	\$397
Innovation Drive-Flamborough	-	-	-	984	984	984	984	984	984	984	\$164	\$207
Tisdale House 312 Wilson Street Ancaster	-	-	-	940	940	940	940	940	940	940	\$164	\$207
460 Barton Street	-	-	-	-	3,072	3,072	3,072	3,072	3,072	3,072	\$164	\$207
Blacks Stables	-	4,800	4,800	4,800	-	-	-	-	-	-	\$67	\$100
Ancaster Fairgrounds Stables	-	-	-	-	5,000	5,000	5,000	5,000	5,000	5,000	\$67	\$100
John Sopinka Courthouse (45 Main St. E.)	12,570	12,570	12,570	12,570	12,570	12,570	12,570	12,570	12,570	12,570	\$392	\$479
Superior Courthouse (55 Main St. W.)	1,599	1,599	1,599	1,599	1,599	1,599	1,599	1,599	1,599	1,599	\$392	\$479
POA Courthouse (50 Main St. E.)	-	-	-	-	-	-	-	-	-	16,736	\$460	\$558
Centre Road Block (Building), 1255 Centre Rd.					2,147	2,147	2,147	2,147	2,147	2,147	\$290	\$370
Building 'B' Administration - 1227 Stone Church Road East (MATC)	-	-	13,286	13,286	13,286	13,286	13,286	13,286	13,286	13,286	\$392	\$467

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Police Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Building 'C' Training - 1227 Stone Church Road East (MATC)	-	-	16,625	16,625	16,625	16,625	16,625	16,625	16,625	16,625	\$392	\$467
<b>Total</b>	<b>277,739</b>	<b>282,539</b>	<b>339,931</b>	<b>340,705</b>	<b>345,273</b>	<b>343,854</b>	<b>343,004</b>	<b>340,152</b>	<b>340,152</b>	<b>356,889</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.5394	0.5479	0.6538	0.6521	0.6561	0.6500	0.6441	0.6335	0.6278	0.6552

10 Year Average	2009-2018
Quantity Standard	0.6260
Quality Standard	445
Service Standard	\$278

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$278
Eligible Amount	\$23,983,005

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Police Vehicles  
Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
Command Vehicles 999	1	1	1	1	1	1	1	1	1	1	\$275,600
Marine Vessel - Trailer 640	1	1	1	1	1	1	1	1	1	1	\$9,200
Marine Vessel - Trailer 643	-	-	-	-	-	-	-	1	1	1	\$1,500
Marine Vessel - Trailer 644	-	-	-	-	-	-	1	1	1	2	\$9,100
Marine Vessel - Trailer 645	-	-	-	-	-	-	-	-	1	2	\$9,800
Marine Vessel - Hike 941	1	1	1	1	1	1	1	1	1	1	\$798,000
Marine Vessel - RHIB 942	1	-	-	-	-	-	-	-	-	-	\$263,000
Marine Vessel - Argo 944	1	1	1	1	1	1	1	1	1	1	\$23,500
Marine Vessel - Zodiac 943	1	1	1	1	1	1	1	1	1	1	\$17,300
Marine Vehicle - Chev 940	1	1	1	1	1	1	1	1	1	1	\$49,000
Explosive Disposal Unit - Bomb Truck 962	1	1	1	1	1	1	1	1	1	1	\$209,700
Court Security - Prisoner Van 197,198	2	2	2	2	2	2	2	2	2	2	\$103,000
Courier Vehicle 20	1	1	1	1	1	1	1	1	1	1	\$22,800
Property Vehicle 70	1	1	1	1	1	1	1	1	1	1	\$28,500
Maintenance Vehicle 80	-	-	1	1	1	1	1	1	1	1	\$28,500
Public Order Unit 991	1	1	1	1	1	1	1	1	1	1	\$33,000
Fleet Pick-up 82	1	1	1	1	1	1	1	1	1	1	\$28,500
Collision Reconstruction Vehicle 144	1	1	1	1	1	1	1	1	1	1	\$33,000
ATV Team 920	1	1	1	1	1	1	1	1	1	1	\$22,800
ATVs 828,829	-	-	-	-	2	2	2	2	2	2	\$13,700
ATV Trailer 615										1	\$7,600
Mounted Patrol Trailers 630	1	1	1	1	1	1	1	1	1	1	\$34,200
Mounted Patrol Trailers 631	1	1	1	1	1	1	1	1	1	1	\$55,000
Mounted Patrol Vehicles 930,931	1	2	2	2	2	2	2	2	2	2	\$49,000
Emergency Response Unit - Unit 901	1	1	1	1	1	1	1	1	1	1	\$36,200
Emergency Response Unit - Utility Rescue 960	1	1	1	1	1	1	1	1	1	1	\$315,500
Specialties Unit - Traditional Organized Crime 961	1	1	1	1	1	1	1	1	1	1	\$210,000
Emergency Response Unit Vehicle 964	1	1	1	1	1	1	1	1	1	1	\$318,000
Emergency Response Unit Vehicle 965	1	1	1	1	1	1	1	1	1	1	\$41,600
Emergency Response Unit Vehicle 963	1	1	1	1	1	1	1	1	1	1	\$43,000

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Police Vehicles  
Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
Emergency Response Unit Trailer 662	1	1	1	1	1	1	1	1	1	1	\$27,000
Investigative Service Division - Forensics/Ident Vehicle 995	1	1	1	1	1	1	1	1	1	1	\$57,000
Investigative Service Division - Forensics/Ident Vehicle 996	1	1	1	1	1	1	1	1	1	1	\$57,000
Investigative Service Division - Forensics/Ident Vehicle 997	1	1	1	1	1	1	1	1	1	1	\$39,900
Public Order Unit 998	1	1	1	1	1	1	1	1	1	1	\$39,900
Surveillance Vehicles	6	6	6	6	6	6	6	6	6	6	\$39,900
Multi Passenger 96	1	1	1	1	1	1	1	1	1	1	\$39,900
Sedans Investigative Services Division	56	56	56	56	56	56	56	56	56	56	\$22,800
Cruisers 4x4	15	15	15	15	15	15	15	15	15	15	\$36,600
Cruisers Sedan	102	102	102	102	102	102	102	102	102	102	\$32,400
<b>Total</b>	<b>210</b>	<b>210</b>	<b>211</b>	<b>211</b>	<b>213</b>	<b>213</b>	<b>214</b>	<b>215</b>	<b>216</b>	<b>219</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004

10 Year Average	2009-2018
Quantity Standard	0.0004
Quality Standard	\$40,750
Service Standard	\$16

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$16
Eligible Amount	\$1,404,783

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Police Small Equipment and Gear  
Unit Measure: No. of equipment and gear

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Equipped Officers	770	776	780	780	795	795	795	795	795	807	\$3,400
Equipped Senior Officers	17	17	17	17	17	17	17	17	18	18	\$3,600
Special Constables	95	104	103	109	85	85	85	85	88	88	\$2,200
Auxiliary	50	63	70	82	78	78	78	78	76	76	\$2,550
Cadets	-	-	-	-	4	4	4	4	4	4	\$2,700
Portable Radios	400	400	400	797	812	812	812	812	812	812	\$5,600
Emergency Response - Chemical, Biological, Radiological, and Nuclear Defence equipment	4	4	4	4	4	4	4	4	4	4	\$121,400
Vehicle Lights and Sirens	141	152	147	143	143	143	143	143	143	144	\$4,700
In-Car Mobile Radios	185	185	185	185	185	185	185	185	185	185	\$7,900
Vehicle Cages	114	125	130	126	126	126	126	126	126	106	\$2,200
In-Car Electronics	135	135	135	135	135	135	135	135	135	135	\$8,100
Canine Inserts	5	5	5	5	5	5	5	5	5	5	\$7,700
Prisoner Compartment Inserts	4	4	4	4	4	4	4	4	4	4	\$25,500
Roadside approved screening devices	23	23	23	23	23	23	23	23	23	29	\$1,500
Radar Equipment (Genesis GHD)	1	1	1	1	1	1	1	1	1	1	\$1,200
Radar Equipment (Genesis II)	1	1	1	1	1	1	1	1	1	1	\$3,400
Radar Equipment (Genesis K-Brand)	2	2	2	2	2	2	-	-	-	-	\$1,800
Radar Equipment (Genesis VP)	2	2	2	2	2	2	2	2	2	2	\$2,600
Laser Equipment	-	-	5	11	15	15	15	15	15	20	\$3,100
Laser Equipment (Marksman)	3	3	3	3	3	3	3	3	3	3	\$7,800
Spectre Radar Detector Detector (Mic. Receiver)	-	-	1	1	1	1	1	1	1	1	\$2,300
Spectre III Radar Detector Detector (Interceptor)	1	1	1	1	1	1	1	1	1	1	\$2,300
Stalker Direction Sensing Radar 2	1	1	1	1	1	1	1	1	1	5	\$1,100
Stalker Direction Sensing Radar 2X	8	9	9	10	12	12	12	12	12	12	\$4,900
Stalker Dual SL	8	8	8	12	12	12	12	12	12	12	\$2,000
Stalker II Moving Directional Radar	1	1	1	1	1	1	1	1	1	1	\$4,400
UltraLyte Laser Technology Inc. - Laser Units	14	14	14	14	14	14	14	14	14	14	\$6,400
UltraLyte Laser Technology Inc. LRB	18	18	18	18	19	19	19	19	19	21	\$5,200
<b>Total</b>	<b>2,003</b>	<b>2,054</b>	<b>2,070</b>	<b>2,488</b>	<b>2,501</b>	<b>2,501</b>	<b>2,499</b>	<b>2,499</b>	<b>2,501</b>	<b>2,519</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0039	0.0040	0.0040	0.0048	0.0048	0.0047	0.0047	0.0047	0.0046	0.0046

10 Year Average	2009-2018
Quantity Standard	0.0045
Quality Standard	\$4,822
Service Standard	\$22

D.C. Amount (before deductions)	13 Year
Forecast Population	86,183
\$ per Capita	\$22
Eligible Amount	\$1,870,171



# Parking



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parking Spaces  
 Unit Measure: No. of spaces

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/space) Including Land
Carpark #1 (John and Rebecca)	169	169	169	169	169	169	169	169	169	169	\$556,300
Carpark #2 (Ottawa St)	358	358	358	358	358	358	358	358	358	358	\$658,500
Carpark #3 (Mountain Ave)	137	137	137	137	137	137	137	137	137	137	\$640,200
Carpark #4 (Kenilworth Ave)	35	35	35	35	35	35	35	35	35	35	\$180,300
Carpark #5 (King William/Mary)	127	127	127	127	127	127	127	127	127	127	\$403,000
Carpark #6 (Rosedale Dr)	7	7	7	7	7	7	7	7	7	7	\$48,900
Carpark #7 (Main and Ferguson)	60	60	60	60	60	60	60	60	60	60	\$184,000
Carpark #8 (King and Jarvis)	47	47	47	47	47	47	47	47	47	47	\$169,400
Carpark #9 (Upper Wellington)	15	15	15	15	15	15	15	15	15	15	\$67,200
Carpark #11 (Main and Garside)	9	9	9	9	9	9	9	9	9	9	\$38,000
Carpark #13 (Wilson and James)	16	16	16	16	16	16	16	16	16	16	\$67,200
Carpark #16 (Main and Balmoral)	20	20	20	20	20	20	20	20	20	20	\$63,500
Carpark #17 (Main and Huxley)	19	19	19	19	19	19	19	19	19	19	\$70,800
Carpark #19 (Main and Ottawa)	26	26	26	26	26	26	26	26	26	26	\$111,000
Carpark #20 (Up James/Brantdale)	25	25	25	25	25	25	25	25	25	25	\$103,700
Carpark #21 (Main and Tuxedo)	23	23	23	23	23	23	23	23	23	23	\$78,100
Carpark #22 (King and Locke)	14	14	14	14	14	14	14	14	14	14	\$63,500
Carpark #32 (East and Barton)	26	26	26	26	26	26	26	26	26	26	\$74,500
Carpark #33 (Up James/Genesse)	45	45	45	45	45	45	45	45	45	45	\$158,400
Carpark #34 (Main and Cope)	9	9	9	9	9	9	9	9	9	9	\$48,900
Carpark #35 (Concession and E21st)	24	24	24	24	24	24	24	24	24	24	\$89,100
Carpark #36 (Mulberry)	49	49	49	49	49	49	49	49	49	49	\$202,200
Carpark #37 (Convention Centre)	849	849	849	849	849	849	849	849	849	849	\$1,345,000
Carpark #39 (Barton and Grosvenor)	31	31	31	31	31	31	31	31	31	31	\$111,000
Carpark #40 (City Hall)	432	418	418	418	418	418	418	418	418	418	\$1,472,400
Carpark #42 (Barton and Birch)	41	41	41	41	41	41	41	41	41	-	\$246,000
Carpark #43 (Kenilworth/Newlands)	20	20	20	20	20	20	20	20	20	20	\$63,500
Carpark #44 (Barton and Emerald)	13	13	13	13	13	13	13	13	13	13	\$52,600
Carpark #45 (540 Barton East)	20	20	20	20	20	20	20	20	20	20	\$59,900
Carpark #46 (Barton and William)	15	15	15	15	15	15	15	15	15	15	\$67,200
Carpark #47 (Barton and Barnesdale)	21	21	21	21	21	21	21	21	21	21	\$74,500
Carpark #49 (Barton and Caroline)	41	41	41	41	41	41	41	41	41	41	\$180,300
Carpark #50 (Cannon and Birch)	30	30	30	30	30	30	30	30	30	-	\$96,400
Carpark #56 (Main and Emerald)	18	18	18	18	18	18	18	18	18	18	\$70,800
Carpark #58 (Barton and Harmony)	34	34	34	34	34	34	34	34	34	34	\$63,500
Carpark #62 (Vine St)	137	137	137	137	137	137	137	137	137	137	\$359,200
Carpark #64 (Sherman Ave N)	18	18	18	18	18	18	18	18	18	18	\$78,100

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parking Spaces  
 Unit Measure: No. of spaces

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/space) Including Land
Carpark #66 (Bay and Cannon)	91	91	91	91	91	91	91	91	91	91	\$282,500
Carpark #68 (York Parkade)	813	813	813	813	813	813	813	813	813	813	\$462,800
Carpark #69 (York Blvd)	17	17	17	17	17	17	17	17	17	17	\$59,900
Carpark #70 (Hughson St)	24	24	24	24	24	24	24	24	24	24	\$74,500
Carpark #72 (King and East)	21	21	21	21	21	21	21	21	21	21	\$78,100
Carpark #73 (King William/Wellington)	36	36	36	36	36	36	36	36	36	36	\$121,900
Carpark #74 (King and Hess)	11	11	11	11	11	11	11	11	11	11	\$56,200
Carpark #76 (Catharine and Hunter)	55	55	55	55	55	55	55	55	55	55	\$158,400
Carpark #79 (402 Barton St)	24	24	24	24	24	24	24	24	24	24	\$81,800
Carpark #80 (King and Bay)	205	205	205	205	205	205	205	205	205	205	\$596,400
Carpark #81 (Ferguson Ave)	14	14	14	14	14	14	14	14	14	14	\$78,100
Carpark #82 (Victoria and Barton)	39	39	39	39	39	39	39	39	39	39	\$136,500
Carpark #84 (Kenilworth and Albany)	29	29	29	29	29	29	29	29	29	29	\$111,000
Carpark #1DU (Booth St)	40	40	40	40	40	40	40	40	40	40	\$169,400
Carpark #2DU (Post Office)	18	18	18	18	18	18	18	18	18	18	\$111,000
Carpark #3DU (Canada Trust)	43	43	43	43	43	43	43	43	43	43	\$136,500
Carpark #4DU (Royal Bank)	83	83	83	83	83	83	83	83	83	83	\$278,900
Carpark #5DU (Golden Valley)	41	41	41	41	41	41	41	41	41	41	\$151,100
Carpark #6DU (Coach House)	42	42	42	42	42	42	42	42	42	42	\$180,300
Carpark #7DU (Hatt St)	94	94	94	94	94	94	94	94	94	94	\$395,700
Carpark #9DU (Bank of Montreal)	7	7	7	7	7	7	7	7	7	7	\$41,600
Carpark #10A (Wilson St/Ancaster)	38	38	38	38	38	38	38	38	38	38	\$220,500
Dundas St./Flamborough	16	16	16	16	16	16	16	16	16	16	\$63,500
<b>Total</b>	<b>4,781</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,767</b>	<b>4,696</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0093	0.0092	0.0092	0.0091	0.0091	0.0090	0.0090	0.0089	0.0088	0.0086

10 Year Average	2009-2018
Quantity Standard	0.0090
Quality Standard	\$29,312
Service Standard	\$264

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$264
Eligible Amount	\$17,159,785

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parking Meters  
 Unit Measure: No. of Meters

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Parking Meters (On-Street)	2,546	2,808	2,674	2,574	2,515	2,702	2,714	2,426	2,426	2,426	\$600
Parking Meters (Off-Street)	-	-	-	-	77	77	77	77	57	-	\$600
Pay and Display Machine Spaces (On-Street)	-	-	14	18	16	16	16	16	16	16	\$5,300
Pay and Display Machine Spaces (Off-Streets)	-	-	-	-	72	72	72	72	72	72	\$5,300
Pay on foot Pay Stations	4	4	4	4	7	7	7	7	7	7	\$45,000
Pay on foot exit/entry terminals	13	13	13	13	13	13	13	13	13	13	\$7,900
Coin Sorter Machine	1	1	1	1	1	1	1	1	1	1	\$13,000
Coin Wrapper Machines	2	2	2	2	2	2	2	2	2	2	\$27,000
Electric Vehicles Charging Stations	-	-	-	-	2	2	2	2	2	2	\$10,000
<b>Total</b>	<b>2,566</b>	<b>2,828</b>	<b>2,708</b>	<b>2,612</b>	<b>2,705</b>	<b>2,892</b>	<b>2,904</b>	<b>2,616</b>	<b>2,596</b>	<b>2,539</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0050	0.0055	0.0052	0.0050	0.0051	0.0055	0.0055	0.0049	0.0048	0.0047

10 Year Average	2009-2018
Quantity Standard	0.0051
Quality Standard	\$857
Service Standard	\$4

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$4
Eligible Amount	\$284,251

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parking Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>Hamilton Place &amp; Convention Centre Parking Garage:</b>												
Main Office	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	\$225	\$274
Middle Office	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	\$225	\$274
Squad Room	800	800	800	800	800	800	800	800	800	800	\$225	\$274
Workshop	23,000	23,000	23,000	23,000	23,000	23,871	23,871	23,871	23,871	23,871	\$147	\$188
<b>Total</b>	<b>31,200</b>	<b>31,200</b>	<b>31,200</b>	<b>31,200</b>	<b>31,200</b>	<b>32,071</b>	<b>32,071</b>	<b>32,071</b>	<b>32,071</b>	<b>32,071</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0606	0.0605	0.0600	0.0597	0.0593	0.0606	0.0602	0.0597	0.0592	0.0589

10 Year Average	2009-2018
Quantity Standard	0.0599
Quality Standard	\$1,425
Service Standard	\$85

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$85
Eligible Amount	\$5,551,026



# Airport

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Airport Facilities  
 Unit Measure: acres of land

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Acre)
Airport Land	1,415	1,502	1,561	1,561	1,561	1,561	1,561	1,561	1,561	1,561	\$100,000
<b>Total</b>	<b>1,415</b>	<b>1,502</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	<b>1,561</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0027	0.0029	0.0030	0.0030	0.0030	0.0030	0.0029	0.0029	0.0029	0.0029

10 Year Average	2009-2018
Quantity Standard	0.0029
Quality Standard	\$100,521
Service Standard	\$292

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$292
Eligible Amount	\$18,961,559



# Parks

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Parkland Development  
Unit Measure: Acres of Parkland

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Acre)
<b>New City of Hamilton (acres)</b>											
City Wide	1,117	1,117	1,117	1,117	1,148	1,110	1,110	1,110	1,110	1,110	\$66,000
Neighbourhood	671	671	686	688	689	730.5	734.3	742.4	749.8	755.8	\$64,000
Parkette	68	68	73	74	74	66	66	67	67	67	\$150,000
Community	837	839	851	889	889	818	818	818	818	818	\$55,000
Heritage Parkland	409	409	409	409	409	404	404	404	404	404	\$34,000
Natural Open Space	2,114	2,114	2,137	2,137	2,052	1,943	1,943	1,943	1,943	1,943	\$10,600
General Open Space	191	191	185	195	200	217	217	217	217	217	\$34,000
Parks on Utility Lands	75	75	72	72	72	78	78	78	78	78	\$10,600
Other Utility Lands	118	118	119	119	119	81	81	81	81	81	\$10,600
School Lands	395	395	395	381	356	314	314	314	314	314	\$34,000
Non-City-Owned Lands (not including School Lands, Royal Botanical Garden lands or Conservation Authority Lands that the City maintains as parkland)	169	169	159	129	130	88	127	127	127	127	\$34,000
Leash-Free Dog Areas	-	-	-	2	2	41	41	41	41	41	\$10,600
<b>Total</b>	<b>6,164</b>	<b>6,166</b>	<b>6,203</b>	<b>6,212</b>	<b>6,140</b>	<b>5,890</b>	<b>5,934</b>	<b>5,943</b>	<b>5,950</b>	<b>5,956</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.012	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011

10 Year Average	2009-2018
Quantity Standard	0.0115
Quality Standard	\$38,951
Service Standard	\$448

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$448
Eligible Amount	\$29,136,705



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parkland Amenities  
 Unit Measure: No. of parkland amenities

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Tennis Club Lit	46	46	46	46	46	48	48	48	48	48	\$77,600
Tennis Public Lit	25	25	25	25	25	22	22	22	22	22	\$77,600
Tennis Public Unlit	17	17	17	18	23	20	20	20	20	21	\$50,600
Soccer Class A+ (Lit) - Artificial Turf	-	-	1	1	1	1	1	1	1	1	\$1,200,000
Soccer Class A+ (Lit)	1	1	1	1	1	1	1	1	1	1	\$617,200
Soccer Class A Lit	17	17	17	15	15	15	15	15	15	15	\$285,600
Soccer Class B Lit	9	9	9	9	9	8	8	8	8	8	\$236,100
Soccer Class B Unlit	6	6	6	6	8	11	11	11	11	11	\$199,000
Soccer Class C Unlit	160	160	160	161	162	201	201	201	201	201	\$84,300
Lit Football Fields	3	3	3	3	3	4	4	4	5	6	\$158,500
Unlit Football Fields	2	2	2	2	2	2	2	2	2	2	\$76,400
Hardball Lit (premier diamond)	1	1	1	1	1	1	1	1	1	1	\$363,100
Hardball Lit	14	14	15	15	15	15	15	15	15	15	\$204,600
Hardball Unlit	22	22	22	22	21	21	21	21	21	21	\$88,800
Softball Lit	33	33	36	39	40	37	37	37	39	41	\$204,600
Softball Unlit	139	139	139	127	126	121	116	111	106	101	\$88,800
Tball	38	38	39	43	43	42	41	40	39	38	\$37,100
Batting Cages	12	12	12	12	12	12	12	13	16	16	\$20,000
Lit Bocci Courts	32	32	32	32	32	35	35	29	29	29	\$14,600
Regulation Bocci Courts Lit (min. 2 lanes)	10	10	10	10	10	8	8	8	8	8	\$125,900
Unlit Bocci Courts	7	7	7	7	5	2	2	2	2	2	\$7,900
Basketball Full-court	93	93	93	93	93	91	90	89	88	87	\$51,700
Basketball Half-court	-	-	-	-	-	159	159	159	160	160	\$25,800
Multi-Purpose Court (PK401)	7	7	8	11	13	15	18	21	24	27	\$64,100
Spray Pads - Community/City Wide	16	16	17	17	20	20	21	21	22	26	\$330,000
Spray Pads - Neighbourhood/Parkette	35	35	35	37	38	38	38	37	39	41	\$250,000
Wading Pools	16	16	16	16	15	14	13	11	9	8	\$59,600
Play Structure - Neighbourhood/Parkette Parks	157	157	163	187	190	205	213	221	229	237	\$105,000
Play Structure - Community/City-wide Parks	59	59	62	67	69	71	74	77	80	83	\$203,400
Play Structure - Other Parks (School, Historical, Open Space)	38	39	27	26	27	29	30	31	32	33	\$85,400
Play Equipment - Community Parks/City-wide Parks	160	160	157	157	160	158	158	158	158	158	\$24,700
Play Equipment - Neighbourhood Parks	367	367	402	420	436	432	427	422	417	412	\$173,100
Play Equipment - Other Parks (School, Historical, Open Space)	108	108	81	86	83	72	73	74	75	76	\$11,200
Natural Playground	-	-	-	-	-	4	5	6	7	7	\$125,000
Accessible Swing Seats	53	53	52	74	80	83	90	95	100	108	\$2,200
Swing Sets, 4 seats	157	159	161	163	165	167	169	171	173	175	\$39,200
Swing Sets, 6 seats	50	52	54	56	58	60	61	62	63	64	\$51,000
Swing Sets, 8 seats	40	41	42	43	44	45	46	47	48	49	\$62,800
Exercise Stations (per fitness station)	33	33	33	33	33	33	33	41	46	46	\$9,165

City of Hamilton  
Service Standard Calculation Sheet

Service: Parkland Amenities  
Unit Measure: No. of parkland amenities

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Skateboard Parks	5	5	5	5	5	5	5	5	5	6	\$870,000
Lawn bowling Greens	10	10	10	10	10	4	4	4	4	4	\$11,200
Horseshoe Pitch	9	7	5	3	1	1	1	1	1	1	\$7,900
Volleyball Courts	5	5	5	5	5	20	20	20	20	20	\$14,600
Shuffleboard Courts	6	6	6	6	6	6	6	6	6	6	\$1,100
Running Tracks	5	5	5	6	6	10	10	10	11	11	\$78,700
Public Beaches within Parks/along Trails	3	3	3	3	3	5	5	5	5	5	\$2,200
Public Boat Launches within Parks	2	2	2	2	2	1	1	1	1	1	\$14,600
<b>Track and Field Amenities:</b>											
High Jump Area	2	2	2	2	2	2	2	2	2	2	\$7,900
Discus Area	3	3	3	3	3	3	3	3	3	3	\$7,900
Long Jump pits	9	9	9	9	9	9	9	9	9	9	\$7,900
Hop Skip Jump area	1	1	1	1	1	1	1	1	1	1	\$7,900
Shot-put/discus	1	1	1	1	1	1	1	1	1	1	\$7,900
Steeplechase waterpit	1	1	1	1	1	1	1	1	1	1	\$11,200
Javelin runway	1	1	1	1	1	1	1	1	1	1	\$7,900
Benches	2,545	2,545	2,550	2,555	2,560	2,610	2,660	2,710	2,760	2,810	\$1,100
Bleachers	277	277	274	274	273	277	281	285	289	293	\$7,900
Display Fountains	5	6	7	8	9	11	11	11	11	11	\$18,000
Drinking Fountains	79	76	74	71	68	70	72	74	76	78	\$50,000
Trash Receptacles	1,302	1,307	1,314	1,320	1,327	1,377	1,427	1,477	1,527	1,577	\$1,100
Lighting Standards	1,968	2,109	2,250	2,391	2,532	2,557	2,582	2,607	2,632	2,657	\$4,500
Bridges - Pedestrian	24	28	33	38	42	38	38	38	38	38	\$61,800
Bridges - Vehicle	11	12	15	17	18	13	13	13	13	13	\$106,800
Gates - Vehicle	112	112	113	114	115	117	119	121	123	125	\$10,700
Gates - Pedestrian	167	167	163	161	159	162	165	168	171	174	\$8,000
Irrigation Systems	55	55	55	58	58	60	62	62	64	64	\$7,900
Band shell (Battlefield Park)	1	1	1	1	1	1	1	1	1	1	\$342,900
Cricket Pitch	2	2	2	2	2	2	2	2	2	2	\$88,800
Cricket Practice Pitch	1	1	1	1	1	1	1	1	1	1	\$45,000
Australian Football Field	1	1	1	1	1	1	1	1	1	1	\$76,400
Viewing Platform	1	1	1	1	2	8	8	8	8	8	\$351,900
Escarpment Stairs	6	6	6	6	6	12	12	12	12	12	\$1,803,300
Outdoor Ice Rink - Naturally Cooled	66	66	66	66	66	66	66	66	67	67	\$98,000
Outdoor Ice Rink - Artificially Cooled	1	1	2	2	2	3	3	3	3	3	\$908,000
Park Signs - Community	87	87	87	87	87	88	89	90	91	92	\$9,500
Park Signs - Internal	609	609	609	609	609	614	619	624	629	634	\$9,200
Park Signs - Neighbourhood	237	237	239	240	243	245	245	246	250	250	\$6,500
Parking - Asphalt - lit (per stall)	9	9	9	9	9	1,533	1,583	1,633	1,683	1,733	\$5,600
Parking - Asphalt - unlit (per stall)	3,427	3,428	3,428	3,428	3,428	1,824	1,874	1,924	1,974	2,024	\$3,200
Parking - Granular - unlit (per stall)	3,931	3,932	3,932	3,932	3,932	3,194	3,244	3,294	3,344	3,394	\$1,100

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parkland Amenities  
 Unit Measure: No. of parkland amenities

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Parking - Pervious Concrete - unlit (per stall)	-	-	-	22	22	22	22	22	22	22	\$18,000
Parking - Grasspave - unlit (per stall)	-	-	-	140	140	-	-	-	-	-	\$1,300
Pump Track (BMX/Bike Track) - Gage Park	-	-	-	-	-	-	1	1	1	1	\$111,800
Bob Mackenzie Ball Hockey Court (Roxborough ave)	-	-	-	-	-	-	1	1	1	1	\$148,400
Pickleball Courts	-	-	-	-	-	-	-	6	6	6	\$3,000
<b>Total</b>	<b>16,970</b>	<b>17,125</b>	<b>17,294</b>	<b>17,693</b>	<b>17,892</b>	<b>17,297</b>	<b>17,609</b>	<b>17,922</b>	<b>18,249</b>	<b>18,563</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.033	0.033	0.033	0.034	0.034	0.033	0.033	0.033	0.034	0.034

10 Year Average	2009-2018
Quantity Standard	0.0334
Quality Standard	\$16,778
Service Standard	\$560

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$560
Eligible Amount	\$36,451,778

City of Hamilton  
Service Standard Calculation Sheet

Service: Parkland Amenities - Buildings  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
<b>Park Amenities (sq.ft.)</b>											
Pier 4 Park - Pavilion/Sun Shelter At Water's Edge	-	-	-	-	-	795	795	795	795	795	\$68
Woolverton Park - Pavilion	-	-	-	-	-	366	366	366	366	366	\$68
Powell Park - Sun Shelter	380	380	380	380	380	380	380	380	380	380	\$68
McClaren Park -Shade Structure	-	-	-	-	-	-	-	225	225	225	\$90
Montgomery Park - Pavilion	381	381	381	381	381	381	381	381	381	381	\$68
Richwill Park - Sun Shelter	354	354	354	354	354	354	354	354	354	354	\$68
William Mcculloch - Pavilion	-	-	365	365	365	365	365	365	365	365	\$68
Kinsmen Park - Picnic Shelter	-	-	-	-	-	747	747	747	747	747	\$68
Father Sean O'Sullivan Park - Sunshelter	-	-	-	-	-	380	380	380	380	380	\$68
Elmar Park - Sun Shelter	-	-	-	-	-	373	373	373	373	373	\$68
Sackville Park - Bocce Sun Shelter	105	105	105	105	105	105	105	105	105	105	\$68
Sam Lawrence Park - Pavilion	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	1,675	\$68
Mohawk Sports Park - Baseball Dugout Structure First Base Line	212	212	212	212	212	212	212	212	212	212	\$68
Mohawk Sports Park - Storage / Office Space / Third Base Dugout	1,565	1,565	1,565	1,565	1,565	1,565	1,565	1,565	1,565	1,565	\$147
Mount Lions Park - Sun Shelter Pavilion	380	380	380	380	380	380	380	380	380	380	\$147
Templemead Park - Sunshelter	560	560	560	560	560	560	560	560	560	560	\$68
Trenholme Park - Pavilion	394	394	394	394	394	394	394	394	394	394	\$68
Kings Forest Golf Club - Pavilion A	199	199	199	199	199	199	199	199	199	199	\$68
Kings Forest Golf Club - Sun Shelter	315	315	315	315	315	315	315	315	315	315	\$68
Churchill Park - Sun Shelters	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	\$39
Gage Park - Archway (Near Main St)	602	602	602	602	602	602	602	602	602	602	\$68
Gage Park - Band Shell	980	980	980	980	980	980	980	980	980	980	\$199
Valley Park - Pavilion	65	65	65	65	65	65	65	65	65	65	\$68
Dundas Driving Park - Pavilion - 159080	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	\$147
Dundas Driving Park - Pavilion - 159665	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	\$147
Courtcliffe Park - Picnic Shelter	1,485	1,485	1,485	1,485	1,485	1,485	1,485	1,485	1,485	1,485	\$68
Freelton Community Park - Picnic Pavilion	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220	\$68
Gatesbury Sun Shelter	-	-	-	-	-	-	-	250	250	4,508	\$250
Lynden Legion Park - Picnic Pavilion	337	337	337	337	337	337	337	337	337	337	\$68
Lynden Lions South Park - Picnic Pavilion	-	-	-	-	-	864	864	864	864	864	\$68
Sheffield Ball Park - Pavilion	580	580	580	580	580	580	580	580	580	580	\$68
Strabane Community Park - Pavilion	880	880	880	880	880	880	880	880	880	880	\$68
Waterdown Memorial Park - Picnic Pavilion	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	1,342	\$68
Centennial Heights Park - Pavilion	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	\$68

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parkland Amenities - Buildings  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Copetown Lions Park - Pavilion	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	\$68
Beverly Park - Pavilion	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	\$68
Agro Park - Sunshelter	-	-	-	-	-	-	-	-	400	400	\$190
Buchanan Park - Sunshelter	-	-	-	-	-	-	522	522	522	522	\$177
Carpenter Park - Sunshelter	-	-	-	-	-	-	-	-	383	383	\$201
Carter Park - Sunshelter	-	-	-	-	-	332	332	332	332	332	\$238
Caterini Park - Sunshelter	-	-	-	-	-	-	-	-	400	400	\$153
Chappel Estates Park - Sunshelter	-	-	-	-	388	388	388	388	388	388	\$128
Cranberry Hill Park - Sunshelter	-	-	-	-	-	-	-	-	282	282	\$253
Durand Park - Sunshelter	-	-	-	-	-	-	366	366	366	366	\$244
Honourable Bob McKenzie Park - Sunshelter	-	-	-	-	-	272	272	272	272	272	\$195
Jackson Heights Neighbourhood Park - Sunshelter	-	-	388	388	388	388	388	388	388	388	\$119
Pine Ridge Park - Sunshelter	300	300	300	300	300	300	300	300	300	300	\$290
Summerlea West Park - Sunshelter	-	-	-	278	278	278	278	278	278	278	\$190
William Schwenger Park - Sunshelter	-	-	-	278	278	278	278	278	278	278	\$201
<b>Total</b>	<b>22,423</b>	<b>22,423</b>	<b>23,176</b>	<b>23,176</b>	<b>23,563</b>	<b>27,692</b>	<b>28,580</b>	<b>29,055</b>	<b>30,520</b>	<b>34,778</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.044	0.044	0.045	0.044	0.045	0.052	0.054	0.054	0.056	0.064

10 Year Average	2009-2018
Quantity Standard	0.0501
Quality Standard	\$96
Service Standard	\$5

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$5
Eligible Amount	\$312,871

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parkland Trails  
 Unit Measure: Linear Kilometres of Paths and Trails

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/km)
<b>Recreational Trails (km):</b>											
Escarpment Rail Trail (Tar & Chip - unlit)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	\$227,200
Cootes Drive Path (asphalt - unlit)	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	\$129,000
Chedoke Radial Trail (part asphalt - part gravel)	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	10.50	\$96,700
Red Hill Valley Recreational Trails (tar & chip - unlit)	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	\$89,500
Desjardins Recreational Trail (gravel - unlit)	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	\$242,600
Hamilton Harbour Waterfront Trail (asphalt - lit - extra wide)	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	\$242,600
Hamilton Harbour Waterfront Trail Extension (asphalt - lit - extra wide)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	\$138,600
Escarpment Rail Trail Extension (asphalt - unlit)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	\$170,400
Waterdown Wetlands Recreational Trail (asphalt & boardwalk - unlit)	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	\$73,300
Waterdown Wetlands Secondary Trails (screenings - until)	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	\$227,200
Hamilton Beach Recreational Trail (asphalt - lit - extra wide)	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	\$242,600
Macassa Bay Walkway (asphalt - lit)	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	\$173,200
Bayfront Park Pathway (asphalt - lit)	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	\$242,600
Pier 4 Park Pathway (asphalt - lit)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	\$119,300
Red Hill Valley Trail, (granular - unlit)	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	\$170,400
East Hamilton Trail and Waterfront Link (asphalt - unlit)	-	-	3.50	3.50	4.80	4.80	4.80	4.80	4.80	4.80	\$154,600
East Mountain Trail Loop (asphalt - unlit)	-	-	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	\$117,800
Borer's Creek Trail (Initiative 15-1 Recreational Trails Plan)	-	-	-	-	-	-	-	-	0.4	0.4	\$1,062,000
Pine Ridge Trail	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	\$185,700
Key Drage Park Trail	-	-	-	-	-	-	-	-	-	0.30	\$84,300
Confederation Park - Stoney Creek Pond Trail	-	-	-	-	-	-	0.36	0.36	0.36	0.36	\$496,800
Green Millen Shore Estates Shoreline Trail (4m wide limestone screening)	-	-	-	-	-	-	0.31	0.31	0.31	0.31	\$194,400
Green Millen Shore Estates Shoreline Trail (2m wide limestone screening)	-	-	-	-	-	-	0.07	0.07	0.07	0.07	\$78,600
Green Millen Shore Estates Shoreline Trail (4m wide asphalt)	-	-	-	-	-	-	0.71	0.71	0.71	0.71	\$229,600
Green Millen Shore Estates Shoreline Trail (3m wide asphalt)	-	-	-	-	-	-	0.31	0.31	0.31	0.31	\$179,100
Green Millen Shore Estates Shoreline Trail (1.8m wide boardwalk)	-	-	-	-	-	-	0.04	0.04	0.04	0.04	\$2,647,700
Shrewsbury Trail	-	-	-	-	-	-	0.09	0.09	0.09	0.09	\$246,600
Ryckman Parks Trail	-	-	-	-	-	-	0.29	0.29	0.29	0.29	\$219,100
Olmsted Trail	-	-	-	-	-	-	-	0.37	0.37	0.37	\$159,900
Shaver Estates Trail	-	-	-	-	-	-	-	-	-	0.38	\$1,194,400
<b>Recreational Multi-Use Pathways (km):</b>											
Park Corridor (asphalt & gravel - unlit)	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	\$171,100

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parkland Trails  
 Unit Measure: Linear Kilometres of Paths and Trails

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/km)
Ancaster Radial Right of Way (gravel - unlit)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	\$170,400
Stoney Creek Multi-Use Path (asphalt - unlit)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	\$47,800
Spencer Creek Trail (natural footpath - unlit)	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	\$104,000
Pipeline Walkway (asphalt - lit)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	\$2,372,200
Pier 7 & 8 Boardwalk	-	-	-	-	-	-	-	0.18	0.18	0.18	\$4,655,800
<b>Total</b>	<b>46</b>	<b>46</b>	<b>58</b>	<b>58</b>	<b>59</b>	<b>59</b>	<b>62</b>	<b>62</b>	<b>63</b>	<b>63</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

10 Year Average	2009-2018
Quantity Standard	0.0001
Quality Standard	\$207,300
Service Standard	\$21

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$21
Eligible Amount	\$1,348,404

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Parks Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2017 Value (\$/Vehicle)	2019 Value (\$/Vehicle)
Fertilizer Spreader	6	6	6	6	6	6	6	6	6	6	\$5,000	\$5,200
Aerator	5	5	5	5	5	5	5	5	5	5	\$7,000	\$7,300
Topdresser/ box scraper	7	7	7	7	7	7	7	7	7	7	\$4,000	\$4,200
Rototiller	9	9	9	9	9	9	9	9	9	9	\$4,000	\$4,200
<b>Total</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00005	0.00005

10 Year Average	2009-2018
Quantity Standard	0.0001
Quality Standard	\$2,600
Service Standard	\$0.26

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$0.26
Eligible Amount	\$16,912





# Indoor Recreation

City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>City of Hamilton</b>												
Simone Hall (Formerly Old Beasley Community Centre) - 133 Wilson St	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	\$337	\$398
Beasley Community Centre - 145 Wilson St. - in partnership w/ HWDSB and retained ownership of old Beasley Community Centre	-	6,157	6,157	6,157	6,157	6,157	6,157	6,157	6,157	6,157	\$337	\$398
Bennetto Recreation Centre - 450 Hughson St. N.	17,153	17,153	17,153	17,153	17,153	17,153	17,153	17,153	17,153	17,153	\$433	\$504
Central Memorial Recreation Centre - 93 West Ave. S.	26,474	26,474	26,474	26,474	26,474	26,474	26,474	26,474	26,474	26,474	\$335	\$396
Dalewood Recreation Centre - 1150 Main St. W.	11,601	11,601	11,601	11,601	11,601	11,601	11,601	11,601	11,601	11,601	\$428	\$498
Kiwanis Boys and Girls Club - 45 Ellis St.	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	\$404	\$472
Hill Park Recreation Centre - 465 East 16th St.	16,685	16,685	16,685	16,685	16,685	16,685	16,685	16,685	16,685	16,685	\$433	\$504
Huntington Park Recreation Centre - 87 Brentwood Dr.	29,681	29,681	29,681	29,681	29,681	29,681	29,681	29,681	29,681	29,681	\$388	\$454
Norman Pinky Lewis Recreation Centre - 192 Wentworth St. N.	35,333	35,333	35,333	35,333	35,333	35,333	35,333	35,333	35,333	35,333	\$506	\$584
Ryerson Recreation Centre - 247 Duke St.	27,847	27,847	27,847	27,847	27,847	27,847	27,847	27,847	27,847	27,847	\$238	\$289
Sir Allan MacNab - 145 Magnolia Dr.	29,561	29,561	30,597	30,597	30,597	30,597	30,597	30,597	30,597	30,597	\$385	\$451
Sir Wilfrid Laurier Recreation Centre - 60 Albright Rd.	16,617	16,617	16,617	16,617	16,617	16,617	16,617	16,617	16,617	16,617	\$467	\$541
Sir Winston Churchill Recreation Centre - 1715 Main St. E.	12,414	12,414	12,414	12,414	12,414	12,414	12,414	12,414	12,414	12,414	\$436	\$507
Westmount Recreation Centre (New) - 35 Lynbrook Dr.	-	-	-	51,938	51,938	51,938	51,938	51,938	51,938	51,938	\$558	\$642
Riverdale Community Centre (new) - 150 Violet Dr.	16,401	16,401	16,401	16,401	16,401	16,401	16,401	16,401	16,401	16,401	\$351	\$413
Jimmy Thompson Pool - 1099 King St. E.	23,129	23,129	23,129	23,129	23,129	23,129	23,129	23,129	23,129	23,129	\$411	\$480
Eastwood Arena - 111 Burlington St. E.	27,096	27,096	27,096	27,096	27,096	27,096	27,096	27,096	27,096	27,096	\$357	\$420
Scott Park Arena - 876 Cannon St. E.	23,950	23,950	23,950	23,950	23,950	23,950	-	-	-	-	\$338	\$399
Bill Friday Lawfield Arena - 150 Folkstone Rd. (formerly Lawfield Arena).	31,183	31,183	31,183	31,183	31,183	31,183	31,183	31,183	31,183	31,183	\$330	\$390
Coronation Arena - 81 Macklin St. N.	27,727	27,727	27,727	27,727	27,727	27,727	27,727	27,727	27,727	27,727	\$334	\$395
Chedoke Twin Pad - 91 Chedmac Dr.	89,460	89,460	89,460	89,460	89,460	89,460	89,460	89,460	89,460	89,460	\$274	\$328
Parkdale Arena (Pat Quinn) - 1770 Main St. E.	34,600	34,600	34,600	34,600	34,600	34,600	34,600	34,600	34,600	34,600	\$353	\$416
Inch Park Arena - 400 Queensdale Ave.	34,500	34,500	34,500	34,500	34,500	34,500	34,500	34,500	34,500	34,500	\$280	\$335
Mountain Arena and Skating Arena (Twin Pad - Dave Anderchck) - 255 Hester St.	80,755	80,755	80,755	80,755	80,755	80,755	80,755	80,755	80,755	80,755	\$302	\$359
Rosedale Arena - 100 Grennhill Ave.	34,251	34,251	34,251	34,251	34,251	34,251	34,251	34,251	34,251	34,251	\$354	\$417
Mohawk 4 Pad Arena - 710 Mountain Brow Blvd.	136,000	136,000	136,000	136,000	136,000	136,000	136,000	136,000	136,000	136,000	\$274	\$328
Birge Outdoor Pool - 167 Birge St.	7,061	7,061	7,061	7,061	7,061	7,061	7,061	7,061	7,061	7,061	\$378	\$443
Parkdale Outdoor Pool - 1770 Main St. E.	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	\$241	\$292
Rosedale Outdoor Pool - 60 Grennhill Ave.	2,501	2,501	2,501	2,501	2,501	2,501	2,501	2,501	2,501	2,501	\$646	\$739
Victoria Outdoor Pool - 100 Strathcona	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	\$251	\$303
Chedoke Outdoor Pool - 500 Bendamere	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	2,480	\$604	\$692
Walker Outdoor Pool - 180 Diconzo Dr.	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	3,703	\$571	\$656
Inch Parch Outdoor Pool - 400 Queensdale Ave.	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	4,252	\$525	\$605
Coronation Outdoor Pool - 81 Macklin St. N.	4,252	4,252	4,252	4,252	4,252	4,252	27,087	27,087	27,087	27,087	\$525	\$605
Chedoke Golf, Club House, 565 Aberdeen Ave.	12,420	12,420	12,420	12,420	12,420	12,420	12,420	12,420	12,420	12,420	\$261	\$314
Chedoke Golf, Pro Shop, 565 Aberdeen Ave.	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	\$368	\$432
Kings Forest Golf Clubhouse - 100 Greenhill Ave.	13,454	13,454	13,454	13,454	13,454	13,454	13,454	13,454	13,454	13,454	\$332	\$392
Ivor Wynne Stadium, Grandstands & Press Box - 75 Balsam Ave. N.	128,675	128,675	128,675	128,675	-	-	-	-	-	-	\$1,585	\$1,774
Tim Horton's Field	-	-	-	-	-	-	327,148	327,148	327,148	327,148	\$443	\$515
Churchill Fields Lawn Bowling (167 Cline N) - 167 Cline N.	4,568	4,568	4,568	4,568	4,568	4,568	4,568	4,568	4,568	4,568	\$225	\$274
Hamilton Tennis Club (257 Duke at HAAA Park)	7,064	7,064	7,064	7,064	7,064	7,064	7,064	7,064	7,064	7,064	\$380	\$445
Rosedale Tennis Club (Within Gage Park)	4,018	4,018	4,018	4,018	4,018	4,018	4,018	4,018	4,018	4,018	\$225	\$274

City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Rosedale Lawn Bowling (Within Gage Park) - 1000 Main St. E.	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	3,757	\$225	\$274
Gage Park Greenhouse #1/Tropical, 1000 Main St. E.	3,363	3,363	3,363	3,363	3,363	3,363	3,363	3,363	3,363	14,068	\$178	\$211
Gage Park Horticulture/Staff Bldg., 1000 Main St. E.	7,389	7,389	7,389	7,389	7,389	7,389	7,389	7,389	7,389	7,389	\$235	\$661
Sackville Hill Senior Centre (780 Upper Wentworth)	24,452	24,452	24,452	24,452	24,452	24,452	24,452	24,452	24,452	24,452	\$357	\$420
Turner Park YMCA (Community Centre, Pool & Library)	59,490	59,490	59,490	59,490	59,490	59,490	59,490	59,490	59,490	59,490	\$413	\$463
YWCA - Hamilton Seniors' Active Living Centre (75 MacNab St. S. - basement level)	7,529	7,529	7,529	7,529	7,529	7,529	7,529	7,529	7,529	7,529	\$167	\$211
YWCA - Ottawa St. Seniors Leisure Centre - 52 & 66 Ottawa St. N. (In two Buildings)	5,220	5,220	5,220	5,220	5,220	5,220	5,220	5,220	5,220	5,220	\$167	\$211
Main Hess Senior Centre (181 Main St. W. - 3rd Floor)	10,930	10,930	10,930	10,930	10,930	10,930	10,930	10,930	10,930	10,930	\$357	\$420
Lister Block	-	-	16,285	16,285	16,285	16,285	16,285	16,285	16,285	16,285	\$382	\$448
<b>Stoney Creek</b>												
H.G./Brewster Pool - 200 Dewitt Rd.	11,764	11,764	11,764	11,764	11,764	11,764	11,764	11,764	11,764	11,764	\$503	\$581
Green Acres Outdoor Pool - 90 Randall Ave	9,451	9,451	9,451	9,451	9,451	9,451	9,451	9,451	9,451	9,451	\$313	\$371
Stoney Creek Arena - 37 King St. W.	29,279	29,279	29,279	29,279	29,279	29,279	29,279	29,279	29,279	29,279	\$427	\$497
Saltfleet Arena - 24 Sherwood Park Rd.	24,977	24,977	24,977	24,977	24,977	24,977	24,977	24,977	24,977	24,977	\$397	\$464
Optimist Club Community Centre - 890 Queenston	4,772	4,772	4,772	4,772	4,772	4,772	4,772	4,772	4,772	4,772	\$160	\$203
Stoney Creek Tennis Club (at Little League Park) - 880 Queenston Rd.	2,357	2,357	2,357	2,357	2,357	2,357	2,357	2,357	2,357	2,357	\$154	\$196
Valley Park Community Centre/Aquatic Centre - 970 Paramount Dr	35,362	35,362	35,362	35,362	35,362	35,362	35,362	35,362	35,362	35,362	\$299	\$356
Valley Park Tennis Club - 970 Paramount Dr.	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	1,690	\$165	\$208
Valley Park Arena - 970 Paramount Dr.	35,587	35,587	35,587	35,587	35,587	35,587	35,587	35,587	35,587	35,587	\$422	\$492
Fruitland Community Centre (Lion's Club) (14 Sherwood Park Rd)	5,047	5,047	5,047	5,047	5,047	5,047	5,047	5,047	5,047	5,047	\$234	\$284
Winona Scout Hall (Ward 11)	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	2,142	\$378	\$443
Winona Public School purchased for temporary community centre (facilities data)	-	-	-	-	-	-	-	33,480	33,480	33,480	\$370	\$661
Stoney Creek Scout Hall (37 King St. W.)	2,763	2,763	-	-	-	-	-	-	-	-	\$239	\$290
Stoney Creek Recreation Centre (New) - 45 King St. W.	-	-	-	28,252	28,252	28,252	28,252	28,252	28,252	28,252	\$705	\$804
Winona Seniors - 1239 Highway 8 (Ward 11)	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	4,246	\$413	\$482
Club 60 - 4-6 King St. W.	3,568	3,568	3,568	3,568	3,568	3,568	3,568	3,568	3,568	3,568	\$358	\$421
Kiwanis Club (former police building) - 200 Jones Rd. (Also called Fruitland Community Centre)	6,860	6,860	6,860	6,860	6,860	6,860	6,860	6,860	6,860	6,860	\$363	\$427
Stoney Creek Alliance Church/Community Centre (Saltfleet Community)	-	28,991	28,991	28,991	28,991	28,991	28,991	28,991	28,991	28,991	\$48	\$79
<b>Ancaster</b>												
Ancaster Community Centre (Morgan Firestone Arena) - 385 Jerseyville Rd.	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	56,972	\$456	\$529
Ancaster Community & Rotary Centre - 385 Jerseyville Rd.	41,236	41,236	41,236	41,236	41,236	41,236	41,236	41,236	41,236	41,236	\$250	\$302
Ancaster Senior Achievement Centre - 622 Alberton Rd.	13,858	13,858	13,858	13,858	13,858	13,858	13,858	13,858	13,858	13,858	\$310	\$368
Lawn Bowling Club House - 291 Lodor St.	847	847	847	847	847	1,948	1,948	1,948	1,948	1,948	\$235	\$285
Community Centre (Old Town Hall) - 310 Wilson St.	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	\$284	\$340
Tennis Club House - 291 Lodor St.	1,076	1,076	1,076	1,076	1,076	791	791	791	791	791	\$160	\$203
Carl Luke Community Centre - Carl Luke Rd.	2,553	2,553	2,553	2,553	2,553	2,553	2,553	2,553	-	-	\$278	\$333
Optimist Youth Centre - 237 Manitou Way	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	3,819	\$288	\$344
Lions (South) Club Building Lynden Park - 4070 Governors Rd.	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	\$862	\$977
Copetown & District Lions Community Centre - 1950 Governors Rd.	8,190	8,190	8,190	8,190	8,190	8,190	8,190	8,190	8,190	8,190	\$362	\$425

City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Lions Club Outdoor Pool - 236 Jerseyville Rd.	3,866	3,866	3,866	3,866	3,866	3,866	3,866	3,866	3,866	3,866	\$708	\$807
Spring Valley Arena - 29 Orchard Drive	25,244	25,244	25,244	25,244	25,244	25,244	25,244	25,244	25,244	25,244	\$377	\$442
Aquatic Centre - 47 Meadowbrook Dr.	15,959	15,959	15,959	15,959	15,959	15,959	15,959	15,959	15,959	15,959	\$478	\$553
<b>Dundas</b>												
Dundas Outdoor Community Pool - 39 Market St. S.	11,457	11,457	11,457	-	-	-	-	-	-	-	\$207	\$255
Dundas Community Pool (P)	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	\$614	\$164
Dundas Market Street Arena - Grightmire - 35 Market St. S.	37,816	37,816	37,816	37,816	37,816	37,816	37,816	37,816	37,816	41,416	\$303	\$360
Dundas Little Theatre	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	\$199	\$504
Olympic Arena - Westoby - 88 Olympic Dr.	27,150	27,150	27,150	27,150	27,150	27,150	27,150	27,150	27,150	27,150	\$375	\$440
Dundas Memorial Community Centre - 10 Market St. S.	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	\$518	\$597
Valleyfield Community Centre (Nigel Charlton C.C.) - 287 Old Guelph Rd.	3,780	3,780	3,780	3,780	3,780	3,780	3,780	3,780	-	-	\$384	\$450
Dundas Driving Park Outdoor Rink Building - 71 Cross St. (Concession / Washroom / Ice Plant)	2,500	2,500	2,500	4,305	4,305	4,305	4,305	4,305	4,305	4,305	\$707	\$806
<b>Dundas</b>												
Tennis Club Building (Cross St.)	1,745	1,745	1,745	1,745	1,745	1,745	1,745	1,745	1,745	1,745	\$165	\$208
Lawn Bowling Club House (Cross St.)	1,728	1,728	1,728	1,728	1,728	1,728	1,728	1,728	1,728	1,728	\$111	\$149
<b>Glanbrook</b>												
Mt. Hope Hall - 3027 Homestead	7,492	7,492	7,492	7,492	7,492	7,492	7,492	7,492	7,492	7,492	\$190	\$236
Glanbrook Auditorium - 4300 Binbrook Rd	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	\$214	\$262
Glanbrook Arena - 4300 Binbrook Road	38,280	38,280	38,280	38,280	38,280	38,280	38,280	38,280	38,280	38,280	\$316	\$375
Binbrook Memorial Hall - 2600 Hwy 56	7,596	7,596	7,596	7,596	7,596	7,596	7,596	7,596	7,596	7,596	\$256	\$309
Woodburn Centennial Hall - 1062 Golf Club Road	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	2,974	\$334	\$395
Lions Youth Centre - 3027 Homestead Dr.	6,035	6,035	6,035	6,035	6,035	6,035	6,035	6,035	6,035	6,035	\$340	\$401
<b>Flamborough</b>												
Beverly Arena - 680 Highway 8	32,969	32,969	32,969	32,969	32,969	32,969	32,969	32,969	32,969	32,969	\$392	\$459
Beverly Community Centre - 680 Highway 8	4,630	4,630	4,630	4,630	4,630	4,630	4,630	4,630	4,630	4,630	\$278	\$333
Carlisle Arena - 1496 Centre Rd.	33,062	33,062	33,062	33,062	33,062	33,062	33,062	33,062	33,062	33,062	\$363	\$427
Carlisle Community Centre - 1496 Centre Rd. (Includes Storage / Washroom)	4,900	4,900	4,900	4,900	4,900	4,900	4,900	4,900	4,900	4,900	\$278	\$333
North Wentworth Arena	27,888	27,888	27,888	-	-	-	-	-	-	-	\$278	\$333
North Wentworth Community Centre	3,900	3,900	-	-	-	-	-	-	-	-	\$278	\$333
Harry Howell Arena (Formerly North Wentworth Twin Pad) - 27 Highway 5 W.	-	-	-	92,640	92,640	92,640	92,640	92,640	92,640	92,640	\$234	\$284
Beverly Township Hall - 795 Old Highway 8	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	2,422	\$278	\$333
Carlisle Memorial Hall - 273 Carlisle Rd.	4,513	4,513	4,513	4,513	4,513	4,513	4,513	4,513	4,513	4,513	\$334	\$395
Lynden Legion Park - 204 Lynden Rd.	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	\$83	\$118
Waterdown Memorial Hall - 317 Dundas St. E.	3,003	3,003	3,003	3,003	3,003	3,003	3,003	3,003	3,003	3,003	\$442	\$514
Millgrove Community Centre - 855 Millgrove Side. Rd.	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811	\$278	\$333
Mountsberg Hall - 2133 Centre Rd.	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	\$334	\$395
Sealy Park Scout Hall - 115 Main St. S.	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016	\$382	\$448
Sheffield Community Centre - 2339 5th Concession Rd. W.	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	\$383	\$449
Greensville Hall - 283 Brock Rd.	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	2,867	\$411	\$480
Valens Community Centre - 1818 Valens Rd.	3,180	3,180	3,180	3,180	3,180	3,180	3,180	3,180	3,180	3,180	\$278	\$333
YMCA (207 Parkside Dr.) (50% City Benefit)	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	43,000	\$167	\$211

City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Flamborough Seniors Centre 163 Dundas St. E.	-	-	-	-	-	-	-	5,560	5,560	5,560	\$400	\$450
Bernie Morelli Recreation Centre (& Senior's Centre) & outdoor rink/splashpad	-	-	-	-	-	-	-	-	-	50,000	\$479	\$554
Confederation Beach Park & Wild Water Works (35 Facilities)	60,408	60,408	60,408	60,408	60,408	60,408	60,408	60,408	60,408	60,408	\$780	\$887
Chedoke Yard, Storage Bldg., 565 Aberdeen Ave.	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	\$101	\$242
<b>Total</b>	<b>1,924,685</b>	<b>1,959,833</b>	<b>1,970,491</b>	<b>2,105,781</b>	<b>1,977,106</b>	<b>1,977,922</b>	<b>2,303,955</b>	<b>2,342,995</b>	<b>2,336,662</b>	<b>2,400,967</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	3.7379	3.8008	3.7898	4.0305	3.7568	3.7387	4.3265	4.3638	4.3124	4.4076

10 Year Average	2009-2018
Quantity Standard	4.0265
Quality Standard	\$460
Service Standard	\$1,852

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$1,852
Eligible Amount	\$120,473,648

City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities - Buildings Within Parks  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
<b>Park Amenities (sq.ft.)</b>											
Alexander Park - Washroom, Concession, Storage	1,954	1,954	1,954	1,954	1,954	1,954	1,954	1,954	1,954	1,954	\$780
Cathedral Park - Field House / Washrooms / Storage	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	\$780
Highland Gardens Park - Block Storage Hut	124	124	124	124	124	124	124	124	124	124	\$1,400
Escarpment Ward 1 - Utility Structure Associated With Cso Tank Above Chedoke	282	282	282	282	282	282	282	282	282	282	\$638
Bayfront Park - Concession	693	693	693	693	693	693	693	693	693	693	\$147
Bayfront Park - Public Works Storage Bldg	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	\$90
Bayfront Park - Storage Bldg West Of Yacht Club	455	455	455	455	455	455	455	455	455	455	\$147
Bayfront Park - Washroom At Parking Lot With Roof Top Lookout	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	\$780
Bayfront Park - Yacht Club Bldg	3,813	3,813	3,813	3,813	3,813	3,813	3,813	3,813	3,813	3,813	\$191
Jack C. Beemer Park Washroom & Concession	-	-	-	-	-	2,000	2,000	2,000	2,000	2,000	\$780
Carter Park - Washrooms / Storage	333	333	333	333	333	333	333	333	333	333	\$780
Central Park - Block Building With Concession Area & Shelter	695	695	695	695	695	695	695	695	695	695	\$147
Corktown Park - Washrooms / Storage	1,546	1,546	1,546	1,546	1,546	1,546	1,546	1,546	1,546	1,546	\$780
Eastwood Park- Concession	2,777	2,777	2,777	2,777	2,777	2,777	2,777	2,777	2,777	2,777	\$147
Ferguson Ave Shelter - Pavilion	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205	4,205	\$147
Jackie Washington Rotary Park - Washrooms / Concession	678	678	678	678	678	678	678	678	678	678	\$147
Pier 4 Park - Gartshore - Thomson Bldg	1,975	1,975	1,975	1,975	1,975	1,975	1,975	1,975	1,975	1,975	\$212
Shamrock Park - Storage	156	156	156	156	156	156	156	156	156	156	\$147
Belview Park - Utility Bldg For Spray Pad And Supie	365	365	365	365	365	365	365	365	365	365	\$355
Lucy Day Park - Storage/Utility/Washroom	351	351	351	351	351	351	351	351	351	351	\$355
Myrtle Park - Pavilion/Storage	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	\$147
Powell Park - Washrooms, Small Meeting Space, Storage	4,305	4,305	4,305	4,305	4,305	4,305	4,305	4,305	4,305	4,305	\$147
Woodlands Park - Concession / Washrooms	2,495	2,495	2,495	2,495	2,495	2,495	2,495	2,495	2,495	2,495	\$780
Andrew Warburton Memorial Park - Storage/Utility Bldg With Sun Shelter	688	688	688	688	688	688	688	688	688	688	\$147
Globe Park - Storages	424	424	424	424	424	424	424	424	424	424	\$90
Globe Park - Washrooms / Changerooms	1,765	1,765	1,765	1,765	1,765	1,765	1,765	1,765	1,765	1,765	\$780
Mahony Park - Storage For Batting Cage	139	139	139	139	139	139	139	139	139	139	\$90
Mahony Park - Washrooms	2,941	2,941	2,941	2,941	2,941	2,941	2,941	2,941	2,941	2,941	\$780

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Montgomery Park - Pavilion	336	336	336	336	336	336	336	336	336	336	\$68
Montgomery Park - Washroom / Storage / Concession	2,788	2,788	2,788	2,788	2,788	2,788	2,788	2,788	2,788	2,788	\$780
Normanhurst Community Centre	2,885	2,885	2,885	2,885	2,885	2,885	2,885	2,885	2,885	-	\$459
Roxborough Park - Washroom / Storage / Concession	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	\$780
St. Christopher's Park - Storage With Sunshelter	652	652	652	652	652	652	652	652	652	652	\$147
Woodward Park - Washroom / Sun Shelter	667	667	667	667	667	667	667	667	667	667	\$780
Buchanan Park - Storage	125	125	125	125	125	125	125	125	125	125	\$147
Buchanan Park - Washroom And Changeroom Facility	-	-	1,959	1,959	1,959	1,959	1,959	1,959	1,959	1,959	\$780
Gilkson Park - Small Storage Next To Playground	274	274	274	274	274	274	274	274	274	274	\$90
Gilkson Park - Small Utility Shed Next To Ball Diamond At Street	100	100	100	100	100	100	100	100	100	100	\$90
Gilkson Park - Washrooms And Utility For Spray Pad	1,234	1,234	1,234	1,234	1,234	1,234	1,234	1,234	1,234	1,234	\$780
Gourley Park - Washroom / Storage / Concession	1,377	1,377	1,377	1,377	1,377	1,377	1,377	1,377	1,377	1,377	\$780
Mountview Park - Storage / Pavilion	557	557	557	557	557	557	557	557	557	557	\$147
Scenic Parkette - Storage	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	\$147
Shawinigan Park - Storage And Sunshelter	684	684	684	684	684	684	684	684	684	684	\$147
William Mcculloch Park - Change / Washroom	372	372	372	372	372	372	372	372	372	372	\$780
William Mcculloch Park - Storage	224	224	224	224	224	224	224	224	224	224	\$90
Veevers Park - Sunshelter With Storage Bldg	671	671	671	671	671	671	671	671	671	671	\$147
Sam Manson Park - Washroom / Storage Bldg	3,250	3,250	3,250	3,250	3,250	3,250	3,250	3,250	3,250	3,250	\$780
Rosedale Park - Bocce / Small Building / Baseball Storage And Field House	-	-	-	-	-	5,699	5,699	5,699	5,699	5,699	\$139
Rosedale Park - Utility Bldg For Cso Tank	990	990	990	990	990	990	990	990	990	990	\$147
Rosedale Park - Utility Bldg For New Cso Tank Behind Arena	-	-	-	-	-	879	879	879	879	879	\$147
Father Sean O'Sullivan Park - Bocce Storage Shed	-	-	-	-	-	100	100	100	100	100	\$90
Father Sean O'Sullivan Park - Water Chamber Structure	-	-	-	-	-	72	72	72	72	72	\$147
Glendale Park - Spray Pad Utility Bldg / Storage	683	683	683	683	683	683	683	683	683	683	\$147
Beach Strip Open Space - Washroom Utility Bldg For Trail System	1,827	1,827	1,827	1,827	1,827	1,827	1,827	1,827	1,827	1,827	\$780
Billy Sherring Park - Sunshelter Washroom Building	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	\$780

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Bruce Park - Washrooms / Changerooms	1,903	1,903	1,903	1,903	1,903	1,903	1,903	1,903	1,903	1,903	\$780
Eastmount Community Centre	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	\$511
Eleanor Park - Washroom / Storage / Utility	688	688	688	688	688	688	688	688	688	688	\$780
Elmar Park - Park Water Chamber Bldg	-	-	-	-	-	72	72	72	72	72	\$199
Macassa Park - Washroom / Storage	4,075	4,075	4,075	4,075	4,075	4,075	4,075	4,075	4,075	4,075	\$780
Sackville Hill Memorial Park - Bocce Storage Shed	150	150	150	150	150	150	150	150	150	150	\$90
Sackville Hill Memorial Park - Changeroom / Washrooms / Parks Staff Area	-	-	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	\$780
Sackville Hill Memorial Park - Garbage Storage (Associated with Facility & Park Services)	400	400	400	400	400	400	400	400	400	400	\$68
Sackville Hill Memorial Park - Storage Garage Used By Parks	500	500	500	500	500	500	500	500	500	500	\$147
T.B. Mcquesten Park - Storage / Washroom / Utility	4,336	4,336	4,336	4,336	4,336	4,336	4,336	4,336	4,336	4,336	\$780
William Schwenger Washroom	-	-	-	-	-	-	-	-	-	800	\$780
Trieste Bocce Club - Bocce Court	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	\$147
Trieste Bocce Club - Clubhouse	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	\$147
William Connell Park Buildings (2: 1 public washroom & 1 fieldhouse building with showers & changerrooms)	-	-	-	-	-	-	-	-	-	7,000	\$431
Mohawk Sports Park - Bernie Arbour Stadium / Changerooms / Concessions / Washrooms	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	\$355
Mohawk Sports Park - Bldg B - Rugby Field House / Changerooms / Washrooms	2,784	2,784	2,784	2,784	2,784	2,784	2,784	2,784	2,784	2,784	\$780
Mohawk Sports Park - Bldg C - Small Parks Utility Building Behind The Soccer Field House	1,711	1,711	1,711	1,711	1,711	1,711	1,711	1,711	1,711	1,711	\$355
Mohawk Sports Park - Bldg D - Track And Field Entrance Building	6,545	6,545	6,545	6,545	6,545	6,545	6,545	6,545	6,545	6,545	\$147
Mohawk Sports Park - Small Storage Structure Adjacent To Scorer's Booth	143	143	143	143	143	143	143	143	143	143	\$147
Mohawk Sports Park - Small Structure Next To Rugby Building	158	158	158	158	158	158	158	158	158	158	\$90
Mohawk Sports Park - Soccer Field House Building / Storage For Parks	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	\$212
Mohawk Sports Park - Storage - Most Southerly Bldg Between 2 Ball Diamonds	243	243	243	243	243	243	243	243	243	243	\$90
Berrisfield Park - Utility Bldg For Spray Pad And Supie	688	688	688	688	688	688	688	688	688	688	\$251



City of Hamilton  
Service Standard Calculation Sheet

Service: Indoor Recreation Facilities - Buildings Within Parks  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Bobby Kerr Park - Storage - 3 Structures Side By Side	383	383	383	383	383	383	383	383	383	383	\$147
New Bobby Kerr Washroom Building	-	-	-	-	-	-	-	-	900	900	\$780
Highview Park - Storage Shed	63	63	63	63	63	63	63	63	63	63	\$90
Lisgar Park - Bocce Building	-	-	-	-	-	765	765	765	765	765	\$147
Lisgar Park - Sun Shelter / Storage / Utility / Washrooms	690	690	690	690	690	690	690	690	690	690	\$147
Mountain Drive Park - Washrooms / Storage	2,152	2,152	2,152	2,152	2,152	2,152	2,152	2,152	2,152	2,152	\$780
Templemead Park - Storage	138	138	138	138	138	138	138	138	138	138	\$90
Trenholme - Splashpad Equipment Building	-	-	-	50	50	50	50	50	50	50	\$251
Trenholme Park - Bocce Storage Shed	302	302	302	302	302	302	302	302	302	302	\$90
Trenholme Park -Public Washrooms	-	-	-	-	-	-	-	-	852	852	\$780
Victoria Park - Washroom / Concession At South End Of Park (Also secondary storage building near baseball diamond)	1,982	1,982	1,982	1,982	1,982	1,982	1,982	1,982	1,982	1,982	\$780
Chedoke Golf - Golf Shelter - 113753	198	198	198	198	198	198	198	198	198	198	\$68
Chedoke Golf - Storage - 110526	1,217	1,217	1,217	1,217	1,217	1,217	1,217	1,217	1,217	1,217	\$90
Chedoke Golf - Storage - 111373	130	130	130	130	130	130	130	130	130	130	\$147
Chedoke Golf - Storage - 111427	771	771	771	771	771	771	771	771	771	771	\$147
Chedoke Golf - Storage - 121640	195	195	195	195	195	195	195	195	195	195	\$147
Chedoke Golf - Storage - 124650	435	435	435	435	435	435	435	435	435	435	\$147
Chedoke Golf - Washrooms - 114305	548	548	548	548	548	548	548	548	548	548	\$780
Chedoke Golf - Washrooms - 126793	724	724	724	724	724	724	724	724	724	724	\$780
Chedoke Golf - Washrooms / Storage - 125141	396	396	396	396	396	396	396	396	396	396	\$780
Kings Forest Golf Club - Maintenance Building	6,474	6,474	6,474	6,474	6,474	6,474	6,474	6,474	6,474	6,474	\$296
Kings Forest Golf Club - Storage / Office	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	\$90
Kings Forest Golf Club - Storage Quonset	2,084	2,084	2,084	2,084	2,084	2,084	2,084	2,084	2,084	2,084	\$90
Churchill Park - Cricket Club's Storage Buildings (2)	271	271	271	271	271	271	271	271	271	271	\$147
Churchill Park - Garden Shed	138	138	138	138	138	138	138	138	138	138	\$147
Churchill Park - Small Storage Shed To East Of Main Bldg	182	182	182	182	182	182	182	182	182	182	\$147
Churchill Park - Storage Shed	110	110	110	110	110	110	110	110	110	110	\$147
Churchill Park - Washroom / Changeroom	857	857	857	857	857	857	857	857	857	857	\$780
HAAA - Field House/Changeroom/Washrooms	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	\$780
HAAA - Shelter For Tennis Court Area	265	265	265	265	265	265	265	265	265	265	\$276
Rosedale Tennis - Small Entrance Structure Attached To Tennis Bubble	205	205	205	205	205	205	205	205	205	205	\$276

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Rosedale Tennis Club Bubble Structure	23,065	23,065	23,065	23,065	23,065	23,065	23,065	23,065	23,065	23,065	\$75
Gage Park - 2 Storage Bldgs, 1 Concrete Stucco And 1 Block	202	202	202	202	202	202	202	202	202	202	\$147
Gage Park - New Baseball Changeroom Bldg By Parking Lot	867	867	867	867	867	867	867	867	867	867	\$147
Gage Park - Small Building South Of Baseball Change Rooms	158	158	158	158	158	158	158	158	158	158	\$90
Gage Park - Small Storage Shed Next To Lawn Bowling Club House	194	194	194	194	194	194	194	194	194	194	\$90
Gage Park - Small Structure North Of Tennis Courts	342	342	342	342	342	342	342	342	342	342	\$147
Gage Park - Washroom, Utility Bldg For Wading Pool And Spray Pad	480	480	480	480	480	480	480	480	480	480	\$780
Gage Park - Washrooms / Storage	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	\$780
Turner Park - Washrooms	-	-	-	-	900	900	900	900	900	1,800	\$780
Sam Manson Park - Bocce Storage Building	-	-	-	-	-	-	-	-	100	100	\$91
Sam Manson Park - Cocce Club House Building	-	-	-	-	-	-	-	-	1,350	1,350	\$780
Riverdale East Park Bocce Storage Building - 135 Vittorito Ave.	312	312	312	312	312	312	312	312	312	312	\$91
Glen Castle Park Bocce Storage Building - 30 Glen Castle Dr.	100	100	100	100	100	100	100	100	100	100	\$91
Dave Andreychuk Mountain Arena Bocce Storage Building - 25 Hester St.	190	190	190	190	190	190	190	190	190	190	\$91
Winona Park - Picnic Pavilion In Woods Area (Ward 11)	1,723	1,723	1,723	1,723	1,723	1,723	1,723	1,723	1,723	1,723	\$68
Winona Park - Storage	630	630	630	630	630	630	630	630	630	630	\$147
Battlefield Park - Washroom / Concession	3,350	3,350	3,350	3,350	3,350	3,350	3,350	3,350	3,350	3,350	\$780
Eastdale Park - Bocce / Washroom / Storage	-	-	-	-	-	580	580	580	580	580	\$780
Ferris Park - Bocce Club Bldg	-	-	-	-	-	592	592	592	592	592	\$780
Heritage Green Community Sports Park - Parks Works Building	396	396	396	396	396	396	396	396	396	396	\$251
Heritage Green Community Sports Park - Washrooms / Storage / Utilities	-	-	-	-	-	5,213	5,213	5,213	5,213	5,213	\$780
Little League Park - Storage	499	499	499	499	499	499	499	499	499	499	\$147
Little League Park - Tennis Club House (Stoney Creek)	2,274	2,274	2,274	2,274	2,274	2,274	2,274	2,274	2,274	2,274	\$147
Maplewood Park - Storage/Washroom	141	141	141	141	141	141	141	141	141	141	\$147

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Memorial Park - Bocce Building (87 Glen Cannon Dr.)	-	-	-	-	-	141	141	141	141	141	\$147
Stoney Creek Storage Building & Workshop (77 King St. West at Battlefield Park)	284	284	284	284	284	284	284	284	284	284	\$296
Valley Park - Washroom / Changeroom	141	141	141	141	141	141	141	141	141	141	\$780
Ancaster Little League Park Fieldhouse (Washroom / Storage / Concession)	1,099	1,099	1,099	1,099	1,099	1,099	1,099	1,099	1,099	1,099	\$780
Ancaster Community Centre Park Fieldhouse (Washroom / Maintenance / Storage / Concession)	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	\$780
Small Storage (Village Green) - 291 Lodor St.	118	118	118	118	118	118	118	118	118	118	\$91
Dundas Driving Park - Baseball Washroom/Concession	1,279	1,279	1,279	1,279	1,279	1,279	1,279	1,279	1,279	1,279	\$780
Dundas Driving Park - Pavilion - 160003	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	\$147
Dundas Driving Park - Splash Pad Utility	-	-	-	206	206	206	206	206	206	206	\$147
Dundas Driving Park - Washroom	105	105	105	105	105	105	105	105	105	105	\$780
Edwards Park - Storage / Concession	809	809	809	809	809	809	809	809	809	809	\$199
Martino Memorial Park - Washrooms And Changerooms	930	930	930	930	930	930	930	930	930	930	\$780
Martino Memorial Park - Washrooms And Concession Booth	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	1,832	\$780
Sanctuary Park - Washrooms (may possibly be closed most seasons)	700	700	700	700	700	700	700	700	700	700	\$780
Veterans Park - Storage / Concession	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	\$199
Binbrook Park - Ball Park Washroom	250	250	250	250	250	250	250	250	250	250	\$780
Glanbrook Sports Park - Concession / Washrooms	505	505	505	505	505	505	505	505	505	505	\$780
Woodburn Ball Park - Concession / Washroom	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,120	1,120	\$780
Flamborough Centre Park - Garage / Washroom / Concession	436	436	436	436	436	436	436	436	436	436	\$780
Freelton Community Park - Outdoor rink / Washrooms	-	-	-	-	-	-	-	3,240	3,240	3,240	\$1,147
Freelton Community Park - Storage	120	120	120	120	120	120	120	120	120	120	\$90
Freelton Community Park - Storage Building #2	120	120	120	120	120	120	120	120	120	120	\$147
Gatesbury Park - Washrooms (operationally closed)	700	700	700	700	700	700	700	700	700	700	\$780
Joe Sam's Leisure Park - Washroom And Storage Snack Bar	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795	1,795	\$780

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Lynden Lions South Park - Lions Community Hall	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	\$417
Lynden Lions South Park - Washroom/Concession North End Of Park	1,167	1,167	1,167	1,167	1,167	1,167	1,167	1,167	1,167	1,167	\$780
Millgrove Park - Pavilion / Concession	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	\$120
Millgrove Park - Small Storage / Washroom Between The Diamonds	280	280	280	280	280	280	280	280	280	280	\$780
Millgrove Park - Washrooms	436	436	436	436	436	436	436	436	436	436	\$780
Sheffield Ball Park - Concession / Shelter	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	1,161	\$199
Strabane Community Park - Washroom / Concession / Storage	900	900	900	900	900	900	900	900	900	900	\$780
Tower Park - Storage	140	140	140	140	140	140	140	140	140	140	\$147
Waterdown Memorial Park - Storage Shed	88	88	88	88	88	88	88	88	88	88	\$90
Waterdown Memorial Park & Ice Loop- Washroom / Storage / Utility For Ice Plant and Spraypad	-	-	-	-	-	1,610	1,610	1,610	1,610	1,610	\$1,938
Carlisle Memorial Park - Storage For Grass Cutting Equipment	632	632	632	632	632	632	632	632	632	632	\$147
Carlisle Memorial Park - Washroom Building East Of The Storage Garage	155	155	155	155	155	155	155	155	155	155	\$780
Centennial Heights Park - 2nd. Flr Concession Booth / Lower Level Washrooms / Utility Room	528	528	528	528	528	528	528	528	528	528	\$780
Bullocks Corner Park - Storage / Concession	280	280	280	280	280	280	280	280	280	280	\$120
Bullocks Corner Park - Washroom / Storage And Utility Building	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	1,367	\$780
Beverly Park - Concession - Located South West Corner Of Parking Lot	600	600	600	600	600	600	600	600	600	600	\$199
Beverly Park - Football Portable Changeroom North Bldg	817	817	817	817	817	817	817	817	817	817	\$199
Beverly Park - Football Portable Changeroom South Bldg	831	831	831	831	831	831	831	831	831	831	\$199
Beverly Park - Storage Garage At Entrance To Park	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	2,664	\$199
Beverly Park - Tennis Clubhouse	605	605	605	605	605	605	605	605	605	605	\$142

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Indoor Recreation Facilities - Buildings Within Parks  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
Beverly Park - Washrooms - Located North West Corner Of Parking Lot	300	300	300	300	300	300	300	300	300	300	\$780
<b>Total</b>	<b>202,440</b>	<b>202,440</b>	<b>208,399</b>	<b>208,655</b>	<b>209,555</b>	<b>227,278</b>	<b>227,278</b>	<b>230,518</b>	<b>233,720</b>	<b>239,535</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.393	0.393	0.401	0.399	0.398	0.430	0.427	0.429	0.431	0.440

10 Year Average	2009-2018
Quantity Standard	0.4141
Quality Standard	\$430
Service Standard	\$178

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$178
Eligible Amount	\$11,584,042

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Recreation Vehicles and Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
140A - Ice Edger	9	14	15	17	19	20	20	21	21	21	\$5,500
Snow Blower	12	13	13	13	15	15	15	16	18	18	\$1,200
Clark Focus 11	2	2	2	2	3	3	3	3	3	3	\$8,400
Clark Focus L20	-	-	-	-	-	1	1	3	3	3	\$8,400
Micro Mag 20-D	1	1	1	1	2	2	2	2	2	2	\$8,400
Magnum 34-D Scrubber	-	-	-	1	1	1	1	1	1	1	\$8,400
Magnum 26-D Scrubber	-	-	-	1	1	1	1	1	1	1	\$8,400
Nobles	-	-	-	-	-	1	1	1	1	1	\$8,400
Nobles Speed Scrub	-	-	-	-	1	2	2	3	3	3	\$8,400
Nobles SS3	-	-	-	-	-	1	1	1	1	1	\$8,400
Numatic International	-	-	-	-	-	1	1	1	1	1	\$8,400
Speed Scrubber 1701 Plus	1	1	1	1	1	1	1	1	1	1	\$8,400
Tomcat 2000	2	2	2	2	2	2	2	2	2	2	\$8,400
Tomcat 2300 Version 3.0	1	1	1	1	1	1	1	1	1	1	\$8,400
Tomcat 20-D	1	1	1	1	1	1	1	1	1	1	\$8,400
Tomcat 26-D	1	1	1	1	1	1	1	1	1	1	\$8,400
Tomcat Mini Mag 21-2500	1	1	1	1	1	1	1	1	1	1	\$8,400
Tomcat Mini Mag 26-D	2	2	2	2	2	2	2	2	2	2	\$8,400
Tomcat Magnum 34D	-	-	-	1	1	1	1	1	1	1	\$8,400
Viper	-	-	-	-	-	1	1	1	1	1	\$8,400
<b>Total</b>	<b>33</b>	<b>39</b>	<b>40</b>	<b>45</b>	<b>52</b>	<b>59</b>	<b>59</b>	<b>64</b>	<b>66</b>	<b>66</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010

10 Year Average	2009-2018
Quantity Standard	0.0001
Quality Standard	\$5,300
Service Standard	\$0.53

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$0.53
Eligible Amount	\$34,474



# Library

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Library Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>Hamilton</b>												
Central - 55 York Blvd.	146,131	185,978	185,978	185,978	185,978	185,978	185,978	185,978	185,978	185,978	\$316	\$517
Barton - 571 Barton St. E.	7,612	7,612	7,612	7,612	7,612	7,612	7,612	7,612	7,612	7,612	\$426	\$674
Concession - 565 Concession St.	8,316	8,316	8,316	8,316	8,316	8,316	8,316	8,316	8,316	8,316	\$426	\$674
Kenilworth - 103 Kenilworth Ave.	7,960	7,960	7,960	7,960	7,960	7,960	7,960	7,960	7,960	7,960	\$426	\$674
Locke - 285 Locke St. S.	1,486	1,486	1,486	1,486	1,486	1,486	1,486	1,486	1,486	1,486	\$426	\$674
Pictou (CLOSED)	3,172	-	-	-	-	-	-	-	-	-	\$426	\$674
Red Hill - 695 Queenston Rd.	11,760	11,760	11,760	11,760	11,760	11,760	11,760	11,760	11,760	11,760	\$316	\$517
Sherwood - 467 Upper Ottawa	20,400	20,400	20,400	20,400	20,400	20,400	20,400	20,400	20,400	20,400	\$316	\$517
Terryberry - 100 Mohawk Rd. E.	28,109	28,109	28,109	28,109	28,109	28,109	28,109	28,109	28,109	28,109	\$316	\$517
Westdale - 955 King St. W.	10,277	10,277	10,277	10,277	10,277	10,277	10,277	10,277	10,277	10,277	\$316	\$517
Turner Park Library - 352 Rymal Rd. E.	24,116	24,116	24,116	24,116	24,116	24,116	24,116	24,116	24,116	24,116	\$316	\$517
<b>Stoney Creek</b>												
Stoney Creek Town Hall Library - 777 Highway 8	15,739	15,739	15,739	15,739	15,739	15,739	15,739	15,739	15,739	15,739	\$316	\$517
Saltfleet Library - 131 Gray Rd.	15,645	15,645	15,645	15,645	11,573	11,573	11,573	11,573	11,573	11,573	\$316	\$517
Valley Park Library - 970 Paramount Dr.	2,976	2,976	2,976	2,976	2,976	2,976	2,976	2,976	2,976	2,976	\$426	\$674
<b>Ancaster</b>												
Library (300 Wilson St. East)	13,153	13,153	13,153	13,153	13,153	13,153	13,153	13,153	13,153	13,153	\$316	\$517
<b>Dundas</b>												
Dundas Public Library (Ogilvie St.)	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	13,712	\$316	\$517
<b>Glanbrook</b>												
Mount Hope - 3027 Homestead Dr.	2,631	2,631	2,631	2,631	2,631	2,631	2,631	2,631	2,631	2,631	\$426	\$674
Binbrook - 2641 Highway 56	2,958	2,958	2,958	2,958	2,958	2,958	2,958	2,958	2,958	5,977	\$426	\$674
<b>Flamborough</b>												
Waterdown - 25 Mill St. N.	3,637	3,637	3,637	3,637	3,637	3,637	-	-	-	-	\$426	\$674
Waterdown - 163 Dundas St E	-	-	-	-	-	-	17,813	17,813	17,813	17,813	\$316	\$517
Greensville - 59 Kirby Ave.	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	\$426	\$674
Freelton - 1803 Brock Rd.	1,946	1,946	1,946	1,946	1,946	1,946	1,946	1,946	1,946	1,946	\$426	\$674
Carlisle - 1496 Centre Rd.	2,379	2,379	2,379	2,379	2,379	2,379	2,379	2,379	2,379	2,379	\$426	\$674
Rockton - 795 Old Highway 8	778	778	778	778	-	-	-	-	-	-	\$426	\$674
Millgrove - 857 Millgrove Side Rd.	1,672	1,672	1,672	1,672	1,672	1,672	-	-	-	-	\$426	\$674
Lynden - 79 Lynden Rd.	900	900	900	900	-	-	-	-	-	-	\$426	\$674
Lynden - 110 Lynden Rd.	-	-	-	-	4,000	4,000	4,000	4,000	4,000	4,000	\$426	\$674
<b>Total</b>	<b>349,964</b>	<b>386,640</b>	<b>386,640</b>	<b>386,640</b>	<b>384,890</b>	<b>384,890</b>	<b>397,394</b>	<b>397,394</b>	<b>397,394</b>	<b>400,413</b>		



**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Library Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
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Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730		
Per Capita Standard	0.6797	0.7498	0.7436	0.7400	0.7314	0.7275	0.7463	0.7401	0.7334	0.7351		

10 Year Average	2009-2018
Quantity Standard	0.7327
Quality Standard	\$536
Service Standard	\$393

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$393
Eligible Amount	\$25,561,127

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Library Collection Materials  
Unit Measure: No. of library collection items

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Books - Adult	531,736	501,456	478,540	441,166	440,537	399,516	409,508	370,450	389,122	407,794	\$51
Books - Teen	43,324	42,292	41,992	38,728	41,458	29,140	22,201	19,147	20,770	22,393	\$33
Books - Children	322,052	151,664	141,740	258,520	254,288	238,459	234,284	213,686	154,283	213,686	\$14
Audio Books - Adult	13,516	9,889	10,953	8,084	7,606	17,348	10,133	12,949	15,765	18,581	\$39
Audio Books - Children	3,465	2,276	2,328	3,289	3,493	817	814	616	551	486	\$32
Accessible Materials	8,574	8,427	6,249	15,482	12,405	19,729	19,231	20,211	15,459	17,835	\$32
Periodicals	72,554	72,852	74,517	72,706	78,389	83,696	83,735	67,651	61,948	56,245	\$14
CDs	48,487	48,724	53,012	55,817	58,621	57,455	71,204	64,666	63,104	61,542	\$20
DVDs	95,061	90,344	110,511	134,895	143,434	134,335	133,975	124,457	130,293	136,129	\$20
Blurays	2,367	2,737	4,368	8,888	12,806	15,336	15,349	16,175	17,779	19,383	\$30
Video Game - Adult & Teen	458	741	1,023	1,968	2,413	2,266	2,179	2,344	1,909	1,474	\$69
Video Game - Children	929	692	455	1,566	2,143	2,308	2,245	2,284	2,169	2,054	\$67
eBooks	581	1,997	6,254	18,342	60,316	63,636	96,733	102,128	102,790	103,452	\$17
eAudiobook	3,892	3,589	4,116	5,871	6,621	10,066	15,301	16,154	16,259	16,364	\$39
eMagazines	-	-	-	-	5,733	19,535	20,568	21,601	22,454	23,307	\$9
Databases	73	71	27	21	51	50	45	24	24	24	\$30,000
<b>Total</b>	<b>1,147,069</b>	<b>937,751</b>	<b>936,085</b>	<b>1,065,343</b>	<b>1,130,314</b>	<b>1,093,692</b>	<b>1,137,505</b>	<b>1,054,543</b>	<b>1,014,679</b>	<b>1,100,749</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	2.23	1.82	1.80	2.04	2.15	2.07	2.14	1.96	1.87	2.02

10 Year Average	2009-2018
Quantity Standard	2.0094
Quality Standard	\$33
Service Standard	\$67

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$67
Eligible Amount	\$4,327,510

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Library Vehicles  
Unit Measure: No. of library collection items

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Bookmobile	2	2	2	2	2	2	2	2	2	2	\$550,000
022-VAN 1/2 T	2	2	2	2	2	2	2	2	2	2	\$41,800
023-VAN 3/4 T	1	1	1	1	1	1	1	1	1	-	\$41,800
Ford E-450 Style Truck & Body	-	-	-	-	-	-	-	-	-	2	\$55,000
Genie Boom	-	-	-	-	-	-	-	1	1	1	\$20,400
Skyjack	-	-	-	-	-	-	-	1	1	1	\$20,400
<b>Total</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>7</b>	<b>8</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00002

10 Year Average	2009-2018
Quantity Standard	0.00001
Quality Standard	\$214,545
Service Standard	\$2

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$2
Eligible Amount	\$153,509



# Paramedics

City of Hamilton  
Service Standard Calculation Sheet

Service: Paramedics Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Station #1 - 35 - 43 John Street North	1,700	1,700	1,700	1,700	1,700	1,700	4,046	4,046	4,046	4,046	\$221	\$270
Station #3 Ambulance, 965 Garth St.	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	1,887	\$287	\$343
Station #4 Ambulance, 729 Upper Sherman	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	3,867	\$256	\$309
Station #7 Ambulance, 225 Quigley Rd.	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	\$297	\$354
Station #9 Ambulance, 125 Kenilworth Ave. N.	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	1,435	\$256	\$309
Station #10 Ambulance, Norfolk Ave.	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	\$282	\$337
Station #12 Ambulance, 199 Highway 8 Stoney Creek	-	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	2,983	\$234	\$284
Station #15 Ambulance, 415 Arvin Ave.	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	2,519	\$284	\$340
Station #17 Ambulance, 363 Isaac Brock St.	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	1,140	\$284	\$340
Station #18 Ambulance, 2636 (2640) Highway 56 Binbrook	-	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	2,737	\$247	\$299
Station #19 Ambulance, 3302 Homestead Rd.	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	1,483	\$307	\$365
Station #20 Ambulance, 365 Wilson St. W.	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	1,996	\$323	\$383
Station #21 Ambulance, Garner Rd., Ancaster	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	3,124	\$256	\$309
Station #23 Ambulance, Memorial Square	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	2,836	\$250	\$302
Station #24 Ambulance, 265 Parkside Dr.	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	2,098	\$422	\$492
Station #25 Ambulance, 361 Old Brock Rd.	-	878	878	878	878	878	878	878	878	878	\$254	\$306
Station #26 Ambulance, Lynden	-	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	1,204	\$254	\$306
Station #30 Ambulance, 489 Victoria Ave. N.	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	18,558	\$226	\$276
Station #32 Ambulance, 1000 Limeridge Rd.	-	-	7,060	7,060	7,060	7,060	7,060	7,060	7,060	7,060	\$260	\$313
Stoney Creek Mountain Training Facility (Shared Building B)	-	-	8,091	8,091	8,091	8,091	7,280	7,280	7,280	7,280	\$316	\$364
<b>Total</b>	<b>45,044</b>	<b>52,845</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>67,996</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>	<b>69,531</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0875	0.1025	0.1308	0.1301	0.1292	0.1285	0.1306	0.1295	0.1283	0.1276

10 Year Average	2009-2018
Quantity Standard	0.1225
Quality Standard	\$315
Service Standard	\$39

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$39
Eligible Amount	\$2,511,426

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Paramedics Vehicles & Equipment  
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
Emergency Support Unit	1	2	2	2	2	2	2	2	2	2	\$80,100
Defibrillators	52	52	52	52	65	65	65	65	65	65	\$30,100
Vehicle Equipment	93	93	93	93	93	93	93	93	93	93	\$5,500
Ambulances	30	30	31	31	32	36	37	41	41	41	\$268,000
Stryker Power Stretchers	-	-	-	-	-	-	2	50	50	50	\$22,400
Emergency Response Vehicles	16	16	16	17	19	19	16	17	17	17	\$108,000
Transport Van	-	-	-	-	-	-	3	3	3	3	\$63,200
Stryker Power Load Systems	-	-	-	-	-	-	2	40	40	40	\$26,500
Specialized Training Simulator Equipment	2	2	2	2	2	2	2	2	2	2	\$88,000
Paramedic Gear	22	16	12	18	21	30	34	13	21	37	\$1,200
<b>Total</b>	<b>216</b>	<b>211</b>	<b>208</b>	<b>215</b>	<b>234</b>	<b>247</b>	<b>256</b>	<b>326</b>	<b>334</b>	<b>350</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0006	0.0006	0.0006

10 Year Average	2009-2018
Quantity Standard	0.0005
Quality Standard	\$55,200
Service Standard	\$28

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$28
Eligible Amount	\$1,795,270



# Homes for the Aged

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Long Term Care Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
Wentworth Lodge	122,000	122,000	122,000	122,000	122,000	122,000	122,000	122,000	122,000	122,000	\$410	\$478
Macassa Lodge	214,570	214,570	214,570	214,570	214,570	214,570	214,570	214,570	218,760	218,760	\$410	\$478
<b>Total</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>336,570</b>	<b>340,760</b>	<b>340,760</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.6536	0.6527	0.6473	0.6442	0.6395	0.6362	0.6320	0.6269	0.6289	0.6256

10 Year Average	2009-2018
Quantity Standard	0.6387
Quality Standard	\$478
Service Standard	\$305

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$305
Eligible Amount	\$19,858,544





# Social Housing

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
15, 17 Quinlan Court	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	\$143
192, 218, 242, 277 & 292 Queen Victoria Drive	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	\$138
86 & 88 Lockton Crescent	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	\$157
39, 62 Lawnhurst Drive	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	2,514	\$157
104, 140, 193, 212 & 232 Lawnhurst Drive	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	5,750	\$188
12 Garrow Drive	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
17 Glen Eden Court	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
367, 369, 383, 385, 389, 391, 399, 405, & 407 Franklin Road	8,993	8,993	8,993	8,993	8,993	8,993	8,993	8,993	8,993	8,993	\$217
388, 394, 396, 405 & 407 East 22nd Street	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	\$217
371-374, 377, & 379-383 East 22nd Street	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	\$193
392, 396, 398, 404 & 406 East 21st Street	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	\$217
369, 371, 372, 374, 376, 377, 378, 379, 381, 382 & 384 East 21st Street (11 units)	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	11,000	\$193
392, 402, 404, 408 & 412 East 23rd Street	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	4,996	\$217
373-375, 378-381 & 384-387 East 23rd Street	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	\$193
51 & 64 Berrisfield Crescent	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	\$215
663 & 665 Upper Wentworth Street	1,998	1,998	1,998	1,998	1,998	1,998	1,998	1,998	1,998	1,998	\$217
637, 639, 641, 643, 647 & 649 Upper Wentworth Street	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	\$193
25 Brewster Street	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	\$215
8 & 10 Cleveland Place	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	\$189
71, 73, 94, 115 & 125 Rand Street	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	\$188
12 & 14 Bogart Court	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
13, 15, 29 & 31 Markham Crescent	4,640	4,640	4,640	4,640	4,640	4,640	4,640	4,640	4,640	4,640	\$189
14 & 16 Arbutus Crescent	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	\$189
18 & 20 Joncaire Place	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	\$188
2 Lemoyne Place	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	1,129	\$188
18 & 20 Brendan Court	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
24, 48, 80 & 103 Boston Crescent	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	5,365	\$146
25, 27, 35, 37 & 48 Yorkdale Crescent	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	5,643	\$188
28 & 48 Odessa Street	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	2,257	\$187
30, 40 & 58 John Murray Street	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	\$125
32, 56, 172, 214, 248 & 280 Birchcliffe Crescent	8,047	8,047	8,047	8,047	8,047	8,047	8,047	8,047	8,047	8,047	\$146
33, 52 & 54 William Johnson Street	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	3,386	\$188
4 & 6 Boon Court	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
7 & 9 Electra Court	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	\$189

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
9 Fuller Court	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	\$189
111 & 113 Birchview Drive	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
31, 66 & 227 Larch Street	4,024	4,024	4,024	4,024	4,024	4,024	4,024	4,024	4,024	4,024	\$146
395 Mohawk Road East, 169 Units, 6 Floors Building	109,850	109,850	109,850	109,850	109,850	109,850	109,850	109,850	109,850	109,850	\$133
20 Congress Crescent, 110 Units, 10 Floors Building	107,254	107,254	107,254	107,254	107,254	107,254	107,254	107,254	107,254	107,254	\$135
470 Stone Church Road East, Blocks 1-70, 70 Units	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	63,000	\$133
772 Upper Paradise Road - Blocks 1-47, 47 Units	49,117	49,117	49,117	49,117	49,117	49,117	49,117	49,117	49,117	49,117	\$112
580 Limeridge Road, East - Blocks 1-65, 65 Units	68,800	68,800	68,800	68,800	68,800	68,800	68,800	68,800	68,800	68,800	\$129
1100 Limeridge Road East, 57 Units, 4 Floors - Building	41,500	41,500	41,500	41,500	41,500	41,500	41,500	41,500	41,500	41,500	\$239
1150 Limeridge Road, East, Blocks 1-66, 66 Units	66,000	66,000	66,000	66,000	66,000	66,000	66,000	66,000	66,000	66,000	\$109
350 Limeridge Road West, Block 350-362, 7 Units	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	\$169
#5 (A-G) Kendale Court (7 Units)	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	6,675	\$169
97 (a-g), 87 (A-C), 107, 109, 111, 113, 115, 117 Elgar Court (16 Units)	15,257	15,257	15,257	15,257	15,257	15,257	15,257	15,257	15,257	15,257	\$169
89-93 Century Street 96-110 Ashley Street - 10 Units	11,228	11,228	11,228	11,228	11,228	11,228	11,228	11,228	11,228	11,228	\$147
75 Wentworth Street, North - Block 1-40, 40 Units	38,225	38,225	38,225	38,225	38,225	38,225	38,225	38,225	38,225	38,225	\$161
1081 Rymal Road East, Blocks 1-23, 23 Units	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	\$147
1781 King Street, East - Block 1-18	13,700	13,700	13,700	13,700	13,700	13,700	13,700	13,700	13,700	13,700	\$192
211 King Street East (8 Units)	10,310	10,310	10,310	10,310	10,310	10,310	10,310	10,310	10,310	10,310	\$281
67 Ossington Drive - Blocks 1-20, 20 Units	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	\$110
10 Brock Street - Block 1-10, 10 Units	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	\$148
1285 Upper Gage Avenue, Blocks 1-2, 13 Units	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	\$177
801 Upper Gage Avenue, 244 Units, 11 Floors - Building	137,115	137,115	137,115	137,115	137,115	137,115	137,115	137,115	137,115	137,115	\$127
25 Towercrest Drive, Blocks 1-64, 64 Units	73,600	73,600	73,600	73,600	73,600	73,600	73,600	73,600	73,600	73,600	\$143
101 Broadway Avenue - Block 1-45, 45 Units	27,650	27,650	27,650	27,650	27,650	27,650	27,650	27,650	27,650	27,650	\$191

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
430 Cumberland Avenue, 152 Units, 8 Floors	122,513	122,513	122,513	122,513	122,513	122,513	122,513	122,513	122,513	122,513	\$224
162 King William 40 Units	39,570	39,570	39,570	39,570	39,570	39,570	39,570	39,570	39,570	39,570	\$224
1884 & 1900 Main Street, West - 160 units	117,112	117,112	117,112	117,112	117,112	117,112	117,112	117,112	117,112	117,112	\$238
181 Main Street, West - Mall Level (Offices)	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	\$217
191 Main Street & 200 Jackson Street West (CityHousing Hamilton Office Space)	-	-	-	-	-	-	-	-	1,706	3,256	\$200
191 Main Street & 200 Jackson Street West (466 Units)	225,118	225,118	225,118	225,118	225,118	225,118	225,118	225,118	225,118	225,118	\$200
1, 3, 6, 26 Lewis Street (4 units)	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	\$250
1 Oriole Crescent - 38 Units	32,049	32,049	32,049	32,049	32,049	32,049	32,049	32,049	32,049	32,049	\$171
2 Oriole Crescent - Block 1-6, 121 Units	107,000	107,000	107,000	107,000	107,000	107,000	107,000	107,000	107,000	107,000	\$163
3 Oriole Crescent	871	871	871	871	871	871	871	871	871	871	\$250
1, 3 & 5 Richard Court	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	\$169
10 & 32 Airdrie Avenue	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	3,483	1,742	\$250
11, 30, 42 & 69 Austin Drive	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	\$169
11, 13, 20, 21, 27, 32, 35, 37 & 59 Bernard Street	8,224	8,224	8,224	8,224	8,224	8,224	8,224	8,224	8,224	8,224	\$238
4, 34, 42, 59, 61, 65 & 70 Bingham Road	6,966	6,966	6,966	6,966	6,966	6,966	6,966	6,966	6,966	6,095	\$250
29 Bingham Road - Block 29-41, 7 Units	6,505	6,505	6,505	6,505	6,505	6,505	6,505	6,505	6,505	6,505	\$160
10, 12, 13, 25, 34, 38, 45, 47, 49, 57 & 65 Eastvale Place	9,578	9,578	9,578	9,578	9,578	9,578	9,578	9,578	9,578	9,578	\$250
10, 12, 14, 16, 20, 25, 27, 41, 45, 48, 54, 62, 64, 66 & 68 Eaton Place	13,931	13,931	13,931	13,931	13,931	13,931	13,931	13,931	13,931	12,292	\$250
7, 12, 14, 18, 22, 33, 35, 41, 45, 47, 51, 54, 58, 62 Glengrove Avenue	12,190	12,190	12,190	12,190	12,190	12,190	12,190	12,190	12,190	12,190	\$250
10 & 12 Jutland Court	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	\$189
59 & 63 Kirkland Drive	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	\$169
10 St. Andrews Drive - Block 74-80, (96 units)	94,000	94,000	94,000	94,000	94,000	94,000	94,000	94,000	94,000	94,000	\$162
4, 6, 7, 9, 10, 11, & 15-25 Thorley Drive (17 units)	23,800	23,800	23,800	23,800	23,800	23,800	23,800	23,800	23,800	23,800	\$169
14, 26, 30, 45, 46, 66, 81, 82, 85, 102, 106 & 169 Bellingham Drive	17,950	17,950	17,950	17,950	17,950	17,950	17,950	17,950	17,950	16,569	\$170
102 & 118 Reid Avenue North	871	871	871	871	871	871	871	871	871	871	\$250
41 Reid Street North, - Block 1-16 (16 units)	11,340	11,340	11,340	11,340	11,340	11,340	11,340	11,340	11,340	11,340	\$182
11 Reid Avenue South - Block 11-17, 4 Units	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	\$139
103 & 105 Chilton Drive (2 Units)	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	2,320	\$189

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
104 Osler Drive, 29 Units, 2 Floors (29 Units)	15,160	15,160	15,160	15,160	15,160	15,160	15,160	15,160	15,160	15,160	\$179
109 Fiddlers Green Road, 45 Units, 2 Floors	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	\$198
280 Fiddlers Green Road - Block 1-16 (16 Units)	6,125	6,125	6,125	6,125	6,125	6,125	6,125	6,125	6,125	6,125	\$130
9, 11, 19, 27, 30 Grimsby Avenue (5 Units)	5,224	5,224	5,224	5,224	5,224	5,224	5,224	5,224	5,224	4,353	\$250
11 Holton Avenue N. (1 Unit)	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$220
11 & 83 Locheed Drive (2 Units)	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
16, 18, 20, 22, 24, 26, 28, 30A, 30B, 30C, 30D, 30E, 30F, 32A, 32B, 32C, 32D, 32E, 32F, 32G, 32H, 34, 36, 38, 40, 42, 44 Locheed Drive - (27 Units)	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	\$128
1111(A-G), 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1133, 1137, 1139, 1141, 1143, 1145, 1147, 1151A, 1151B, 1151C & 1151D Limeridge Road (27 Units)	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	25,700	\$128
3, 4, 7, 8, 11, 12 & 14-17 Michael Avenue (10 Units)	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	14,000	\$169
11 & 28 Rainham Street	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	\$138
148 & 150 Moxley Court (2 Units)	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
99 & 112 Moxley Court (2 Units)	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
4, 12, 48 Blair Avenue (3 Units)	2,612	2,612	2,612	2,612	2,612	2,612	2,612	2,612	2,612	2,612	\$250
12 Lisa Court	1,257	1,257	1,257	1,257	1,257	1,257	1,257	1,257	1,257	1,257	\$155
120 Strathcona Avenue N, 259 Units, 14 Floors	161,173	161,173	161,173	161,173	161,173	161,173	161,173	161,173	161,173	161,173	\$119
27, 29, 46, 126, 128 & 141 Gledhill Crescent (7 Units)	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	\$188
14 Brett Court	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	\$146
7, 14 & 59 Lesterwood Street (3 Units)	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	\$188
15, 22, & 187 Folkstone Avenue (3 Units)	3,664	3,664	3,664	3,664	3,664	3,664	3,664	3,664	3,664	3,664	\$166
15, 161 & 163 Golden Orchard Drive	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	3,450	\$188
15 & 17 Granby Court	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	\$188
15, 19, 20, 24, 26, 30, 34 Sumach Street (7 Units)	6,095	6,095	6,095	6,095	6,095	6,095	6,095	6,095	6,095	6,095	\$250
155 Park Street S, 375 Units, 23 Floors	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	214,532	\$139
16 Heatherdale Place	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
17 & 19 Banff Drive (2 Units)	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	\$169
17, 21, 23, 27 & 42 Maclaren Avenue (5 Units)	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	\$250

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
175 Brucedale Avenue East	1,400	-	-	-	-	-	-	-	-	-	\$145
18, 34, 43 & 47 Dartford Place (4 Units)	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	\$169
18, 41, 72 & 250 Duncairn Crescent (4 Units)	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	\$188
180 Tragina Avenue	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	-	\$220
181 Jackson Street W, 265 Units, 20 Floors	172,250	172,250	172,250	172,250	172,250	172,250	172,250	172,250	172,250	172,250	\$58
185, 206-210 Jackson Street East (80 Units)	69,421	69,421	69,421	69,421	69,421	69,421	69,421	69,421	69,421	69,421	\$145
19, 20, 27, 29, 58 Berko Avenue (5 Units)	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	7,000	\$169
19, 23 & 47 Camelot Drive (3 Units)	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	\$169
19 East 12th Street	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$220
19, 29, 31, 35 & 37 Eastwood Street (5 Units)	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	4,353	\$250
209, 211, 230 & 232 Rexford Drive (4 Units)	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	\$227
226 Rebecca Street, 199 Units, 10 Floors - Building	129,350	129,350	129,350	129,350	129,350	129,350	129,350	129,350	129,350	129,350	\$92
24 Leduc Street	1,400	-	-	-	-	-	-	-	-	-	\$148
245 Kenora Avenue - 168 Units	168,000	168,000	168,000	168,000	168,000	168,000	168,000	168,000	168,000	168,000	\$108
249 Governor's Road - Block 1-4, (25 Units)	26,100	26,100	26,100	26,100	26,100	26,100	26,100	26,100	26,100	26,100	\$141
25 Glamis Court	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$177
25 Lynden Avenue, Block 1-18 (40 Units)	23,680	23,680	23,680	23,680	23,680	23,680	23,680	23,680	23,680	23,680	\$200
122-132 Hatt Street (34 Units)	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	\$174
27 Ling Street	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
30 Sanford Avenue South, 350 Units, 17 Floors	197,040	197,040	197,040	197,040	197,040	197,040	197,040	197,040	197,040	197,040	\$134
362 & 440 Melvin Avenue (2 Units)	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	\$250
36 & 60 Laird Drive	3,682	3,682	3,682	3,682	3,682	3,682	3,682	3,682	3,682	3,682	\$107
36 Queenslea Drive	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	\$138
37 & 95 Edwina Place	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146
36, 38 & 63 Raleigh Court	4,125	4,125	4,125	4,125	4,125	4,125	4,125	4,125	4,125	4,125	\$141
4 & 6 Galloway Court	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	\$188
4, 6, 8,10,12,14,16,18,20,22,24,26,28,30,32,34,3 6,38,40,42,44,46,48 Millwood Place (23 Units)	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	\$166

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
101,103,105,107,109,111,113,115,117,119,121,123,125,127,129,131,133,135,137,139,141,143,145 Bobolink Road (23 Units)	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	20,350	\$166
403, 447, 481, 558, 559, 575 & 609 Brigadoon Drive (7 Units)	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	8,050	\$188
Ferrie Street W - Units 15, 17, 19, 21, 23, 25, 27, 29 (8 Units)	8,281	8,281	8,281	8,281	8,281	8,281	8,281	8,281	8,281	8,281	\$159
Strachan St W - Units 2,4, 6, 8, 10, 12, 14, 16,18, 20, 22, 24, 26, 28, 30, 32, 34, 36 (18 Units)	18,633	18,633	18,633	18,633	18,633	18,633	18,633	18,633	18,633	18,633	\$159
MacNab St North - Units 312,314,316,318,320,322,324,326,328,330,332,334,336,338, 340,342,344,346, 348, 350, 352, 354, 356, 358,360,362,364, 366,368,370,372 (31 Units)	32,090	32,090	32,090	32,090	32,090	32,090	32,090	32,090	32,090	32,090	\$159
405 James Street N - Block 405-411, (34 Units)	35,196	35,196	35,196	35,196	35,196	35,196	35,196	35,196	35,196	35,196	\$159
499 James Street N - Block 499-525, 13 Units	13,856	13,856	13,856	13,856	13,856	13,856	13,856	13,856	13,856	13,856	\$138
4, 6, 8, 10 Picton Street West (4 Units)	4,264	4,264	4,264	4,264	4,264	4,264	4,264	4,264	4,264	4,264	\$138
45 & 72 Glenview Place	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	\$188
45 Montcalm Drive - Block 76 Units	72,860	72,860	72,860	72,860	72,860	72,860	72,860	72,860	72,860	72,860	\$157
478 Mackenzie Road	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	\$173
49 Grenoble Road	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
5 Maple Avenue, 43 Units, 5 Floors - Building	33,225	33,225	33,225	33,225	33,225	33,225	33,225	33,225	33,225	33,225	\$225
500 Macnab Street N, 146 Units, 18 Floors - Building	77,059	77,059	77,059	77,059	77,059	77,059	77,059	77,059	77,059	77,059	\$225
555 Queenston Road, 200 Units, 9 Floors - Building	109,120	109,120	109,120	109,120	109,120	109,120	109,120	109,120	109,120	109,120	\$146
5, 8, 16, 20, 37, 42, 44, 54, 56, 59, 76, 82, 90, 92, 96 & 98 Armstrong Avenue (16 units)	13,060	13,060	13,060	13,060	13,060	13,060	13,060	13,060	13,060	12,292	\$250
2, 4, 5, 6, 8, 56, 58, 75, 85, 64, 69, & 89 Martha Street (12 Units)	12,190	12,190	12,190	12,190	12,190	12,190	12,190	12,190	12,190	11,252	\$161
44 Martha Street - Block 14-21, 36 Units	33,457	33,457	33,457	33,457	33,457	33,457	33,457	33,457	33,457	33,457	\$160
34 Martha Street - Block 34-36, 2 Units	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	1,859	\$160
6 & 7 Admiral Place (2 Units)	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	1,741	\$250
60 & 61 Carson Drive (2 Units)	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	2,682	\$146

City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
46,48, 50, 52, 54, 56, 58, 60, 66 (1-31), 70, 72,74,76,78,88, 90,92, 94,96, 98, 100, 102 Greendale Drive - Block 13-18, (52 Units)	53,388	53,388	53,388	53,388	53,388	53,388	53,388	53,388	53,388	53,388	\$128
149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175 Cranbrook Drive (14 Units)	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	\$130
68 Macassa Avenue, 45 Units	26,850	26,850	26,850	26,850	26,850	26,850	26,850	26,850	26,850	26,850	\$645
60 Macassa Avenue, 2 floors (20 Units)	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	\$118
92 Macassa Avenue, 20 Units, 2 Floors - Building	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	\$118
685, 689, 690, 691, 693, 695, 699, 708, 719, 725, 726, 727, 735, 739, 740, 746, 752 & 772 Britannia Avenue\ (18 Units)	17,319	17,319	17,319	17,319	17,319	17,319	17,319	17,319	17,319	16,407	\$237
7 Galt Street	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
7 Lambert Street	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	\$188
727 Upper Sherman Avenue (16 units)	8,800	8,800	8,800	8,800	8,800	8,800	8,800	8,800	8,800	8,800	\$169
77 Alpine Avenue	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$220
77 Purnell Drive - Block (131 Units)	131,980	131,980	131,980	131,980	131,980	131,980	131,980	131,980	131,980	131,980	\$157
797, 799, 801, 803, 805, 807, 809, 811, 815, 817, 819, 821, 823, 825, 827, 829, 833, 835, 837, 839, 841, 843, 845, 847 Roxborough Avenue (24 Units)	22,304	22,304	22,304	22,304	22,304	22,304	22,304	22,304	22,304	22,304	\$160
80, 84, 90, 92 Palmer Road (4 Units)	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	5,600	\$169
893 Fennell Avenue East	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$220
95 Hess Street S, 290 Units, 17 Floors	256,500	256,500	256,500	256,500	256,500	256,500	256,500	256,500	256,500	256,500	\$146
55 Hess Street (23rd Floor)	5,980	5,980	11,960	11,960	11,960	11,960	11,960	11,960	11,960	11,960	\$217
980 Upper Ottawa Street - Block 23-27 (57 Units)	57,000	57,000	57,000	57,000	57,000	57,000	57,000	57,000	57,000	57,000	\$156
2, 4-8, 11, 12, 14, 15 & 17-20 Seeley Avenue (14 Units)	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	\$193
302, 304, 305, 307-311 & 314-317 East 24th Street (12 Units)	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	\$193
405 Catharine Street N (1 Unit)	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	1,400	\$184
42, 44, 48, 50, 52 & 54 Gildea Street (6 Units)	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	\$193
470, 472, 473, 477, 479, 481, 483, 485, 487, 491, 493, 495, 497 East 25th Street (13 Units)	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	13,000	\$193



City of Hamilton  
Service Standard Calculation Sheet

Service: Social Housing  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)
170 East Avenue South (Villa San Miguel) 46 Units	48,646	48,646	48,646	48,646	48,646	48,646	48,646	48,646	48,646	48,646	\$190
680 Stone Church Road West 65 Units	63,562	63,562	63,562	63,562	63,562	63,562	63,562	63,562	63,562	63,562	\$139
690 Stone Church Road West (Villa Santa Maria) 30 Units	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	\$192
7,9,11,13,15,17,21,22,23,24,26,27,28,29,32,33,34,35,36,37,38,39,40,41,43,44,46,48,50,52,54,57,58,59,60,51,62,63,64,68,70,72,74,75,76,77,78,79,80,81,82,83,85,86,88,90,92,94,96,100,102,104,106,109,110,111,112,114,115,116,117 Lang Street (71 Units)	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	\$132
2,4,6,8,10,12,14,16,18,20,22,24,26,28,30,32 Hayes Ave(16 Units)	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	\$186
30 Congress Crescent (110 Units)	106,740	106,740	106,740	106,740	106,740	106,740	106,740	106,740	106,740	106,740	\$136
50 Congress Crescent (53 Units)	61,000	61,000	61,000	61,000	61,000	61,000	61,000	61,000	61,000	61,000	\$143
7-23 Gurnett Drive (Villa Corvo) 5 units	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	\$173
87-89 King Street East (16 Units)	21,206	21,206	21,206	21,206	21,206	21,206	21,206	21,206	21,206	21,206	\$199
350-360 King Street (545 Units)	501,509	501,509	501,509	501,509	501,509	501,509	501,509	501,509	501,509	501,509	\$74
405 York Street (54 Units)	41,994	41,994	41,994	41,994	41,994	41,994	41,994	41,994	41,994	41,994	\$150
4 Bridgewater (62 Units)	-	-	53,776	53,776	74,440	74,440	74,440	74,440	74,440	74,440	\$139
95 King Street East (12 Units)	-	-	-	-	14,800	14,800	14,800	14,800	14,800	14,800	\$245
690 Stone Church Rd West (50 Units)	-	-	-	-	-	-	-	48,545	48,545	48,545	\$163
557 Queenston Road (34 Units)	29,400	29,400	29,400	29,400	29,400	29,400	29,400	29,400	29,400	29,400	\$146
<b>Total</b>	<b>5,578,841</b>	<b>5,576,041</b>	<b>5,635,797</b>	<b>5,635,797</b>	<b>5,671,261</b>	<b>5,671,261</b>	<b>5,671,261</b>	<b>5,719,806</b>	<b>5,721,512</b>	<b>5,703,441</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	10.8344	10.8138	10.8391	10.7871	10.7764	10.7200	10.6498	10.6531	10.5593	10.4702

10 Year Average	2009-2018
Quantity Standard	10.7103
Quality Standard	\$150
Service Standard	\$1,605

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$1,605
Eligible Amount	\$104,387,772



# Provincial Offences Act

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Provincial Offences Act Facilities  
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
45 Main Street East - Dedicated Space	16,034	16,034	16,034	16,034	16,034	16,034	16,034	16,034	16,034	-	\$460	\$534
45 Main Street East - Shared Space	2,375	2,375	2,375	2,375	2,375	2,375	2,375	2,375	2,375	-	\$460	\$534
50 Main Street East -Dedicated Space (Move-in August 2018)	-	-	-	-	-	-	-	-	-	57,915	\$460	\$534
<b>Total</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>18,409</b>	<b>57,915</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0358	0.0357	0.0354	0.0352	0.0350	0.0348	0.0346	0.0343	0.0340	0.1063

10 Year Average	2009-2018
Quantity Standard	0.0421
Quality Standard	\$534
Service Standard	\$22

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$22
Eligible Amount	\$1,462,234



# Health Services

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Health Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
100 Main St. E., suite 220	11,392	11,392	11,392	11,392	11,392	11,392	11,392	11,392	11,392	11,392	\$424	\$493
2255 Barton St - Unit 3/4	6,773	6,773	6,773	6,773	6,773	-	-	-	-	-	\$424	\$493
2255 Barton St - Unit 8	1,200	1,200	-	-	-	-	-	-	-	-	\$424	\$493
1447 Upper Ottawa (owned)	15,143	15,143	15,143	15,143	15,143	15,143	15,143	-	-	-	\$424	\$493
2 King St W., (DUN)	10,825	10,825	10,825	10,825	10,825	10,825	3,635	-	-	-	\$424	\$493
21 Hunter St. E.	5,324	5,324	5,324	5,324	5,324	5,324	5,324	5,324	5,324	5,324	\$424	\$493
1 Hughson St. N.	33,015	33,015	33,015	33,015	33,015	33,015	-	-	-	-	\$424	\$493
4 Hughson St. S.	2,790	2,790	-	-	-	-	-	-	-	-	\$424	\$493
1439 Upper Ottawa	1,227	1,227	1,227	1,227	1,227	1,227	-	-	-	-	\$424	\$493
1447 Upper Ottawa (leased)	4,892	4,892	4,892	4,892	4,892	4,892	4,892	-	-	-	\$424	\$493
125 Barton - West Nile	-	892	892	892	892	892	-	-	-	-	\$424	\$493
1 James St.	-	5,626	5,626	5,626	5,626	5,626	-	-	-	-	\$424	\$493
247 Centennial Unit 8	-	2,114	2,114	2,114	2,114	2,114	2,114	2,114	2,114	2,114	\$424	\$493
100 Main St. West	-	-	-	-	-	-	24,122	24,122	24,122	24,122	\$469	\$543
110 King Street West (Robert Thompson)	-	-	-	-	-	52,300	52,300	52,300	52,300	52,300	\$378	\$443
891 Upper James (leased)	-	-	-	-	-	2,159	2,159	2,159	2,159	2,159	\$424	\$493
<b>Total</b>	<b>92,581</b>	<b>101,213</b>	<b>97,223</b>	<b>97,223</b>	<b>97,223</b>	<b>144,909</b>	<b>121,081</b>	<b>97,411</b>	<b>97,411</b>	<b>97,411</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.1798	0.1963	0.1870	0.1861	0.1847	0.2739	0.2274	0.1814	0.1798	0.1788

10 Year Average	2009-2018
Quantity Standard	0.1975
Quality Standard	\$485
Service Standard	\$96

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$96
Eligible Amount	\$6,234,009

**City of Hamilton  
Service Standard Calculation Sheet**

Service: Health Vehicles  
Unit Measure: No. of vehicles

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Health Bus	1	1	1	1	1	1	1	1	1	1	\$392,000
<b>Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002	0.000002

10 Year Average	2009-2018
Quantity Standard	0.000002
Quality Standard	\$390,898
Service Standard	\$1

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$1
Eligible Amount	\$48,134



# Social Services

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Social and Child Services Facilities  
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
<b>Leased Space:</b>												
35 King Street East, 2nd Floor, 5th Floor	13,089	13,089	1,052	1,052	1,052	1,052	1,052	1,052	1,052	-	\$281	\$336
250 Main Street East	32,550	32,550	32,550	32,550	32,550	42,000	42,000	42,000	42,000	42,000	\$281	\$336
2225 Barton Street East, Units 3 & 4	13,498	13,498	13,498	13,498	13,498	19,992	19,992	19,992	19,992	19,992	\$281	\$336
1550 Upper James	13,095	13,095	13,095	13,095	13,095	13,095	13,095	13,095	13,095	13,095	\$281	\$336
4 Hughson Street South	4,185	4,185	-	-	-	-	-	-	-	-	\$281	\$336
181 & 191 Main Street West	21,770	21,770	21,770	21,770	21,770	21,770	21,770	21,770	20,064	18,514	\$281	\$336
350 King St. East Unit 110	8,405	8,405	8,405	8,405	8,405	8,405	8,405	8,405	8,405	8,405	\$281	\$336
55 Hess St. S.	5,980	5,980	-	-	-	-	-	-	-	-	\$281	\$336
247 Centennial Parkway North	-	-	2,020	2,020	2,020	2,020	2,020	2,020	2,020	2,020	\$281	\$336
<b>Owned Space:</b>												
Red Hill Day Care Centre	16,782	16,782	16,782	16,782	16,782	16,782	16,782	16,782	16,782	16,782	\$327	\$387
Lister Block	-	-	24,200	24,200	24,200	24,200	24,200	24,200	24,200	24,200	\$382	\$448
<b>Total</b>	<b>129,355</b>	<b>129,355</b>	<b>133,373</b>	<b>133,373</b>	<b>133,373</b>	<b>149,316</b>	<b>149,316</b>	<b>149,316</b>	<b>147,610</b>	<b>145,008</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.2512	0.2509	0.2565	0.2553	0.2534	0.2822	0.2804	0.2781	0.2724	0.2662

10 Year Average	2009-2018
Quantity Standard	0.2647
Quality Standard	\$357
Service Standard	\$95

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$95
Eligible Amount	\$6,155,303





# Waste Diversion

City of Hamilton  
Service Standard Calculation Sheet

Service: Waste Diversion - Facilities - Stations/Depots  
Unit Measure: sq.ft. of building area

Description	Percentage Attributable to Diversion	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Building Value (\$/sq.ft.)	Value/ft <sup>2</sup> with land, site works, etc.
77 James St.	100%	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	1,526	\$299	\$402
Transfer Stations / Community Recycling Centres:													
Dundas - Olympic Drive - Main Building	15%	9,822	9,822	9,822	9,822	9,822	9,822	9,822	9,822	9,822	9,822	\$680	\$822
- HHW Trailer	100%	930	930	930	930	930	930	930	930	930	930	\$364	\$474
- HHW Office (portable)	100%	140	140	140	140	140	140	140	140	140	140	\$289	\$391
- TS Scalehouse	15%	140	140	140	140	140	140	140	140	140	140	\$142	\$229
Kenora - Kenora Avenue - Main Building	15%	18,173	18,173	18,173	18,173	18,173	18,173	18,173	18,173	18,173	18,173	\$680	\$822
- HHW Trailer	100%	731	731	731	731	731	731	731	731	731	731	\$463	\$583
- HHW Office	100%	97	97	97	97	97	97	97	97	97	97	\$416	\$531
- TS Scalehouse	15%	140	140	140	140	140	140	140	140	140	140	\$167	\$256
Kilbride Yard, 37 Kilbride Rd. - Reuse Store	100%	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	3,561	\$401	\$514
Mountain - 37 Kilbride Road - Main Building	100%	12,692	12,692	12,692	12,692	12,692	12,692	12,692	12,692	12,692	12,692	\$680	\$822
- TS Scalehouse	15%	140	140	140	140	140	140	140	140	140	140	\$142	\$229
Glanbrook Landfill Site (Diversion portion only)	2%	6,437	6,437	6,437	6,437	6,437	6,437	6,437	6,437	6,437	6,437	\$680	\$822
Hamilton Materials Recycling Facility	81%	273,195	273,195	273,195	273,195	273,195	273,195	273,195	273,195	273,195	273,195	\$247	\$345
Hamilton Central Composting Facility - main processing facility & curing building	100%	107,387	105,125	106,504	105,734	102,894	102,196	102,058	102,288	89,465	89,465	\$395	\$508
Mountain Community Recycling Centre - Reuse Store & HHW Depot	100%	12,419	12,419	12,419	12,419	12,419	12,419	12,419	12,419	12,419	12,419	\$680	\$822
Contracted Local Yard - 560 Seaman St. Stoney Creek	61%	-	-	-	-	18,299	18,299	18,299	18,299	18,299	18,299	\$289	\$670
Contracted Local Yard	61%	3,175	3,175	3,175	3,175	-	-	-	-	-	-	\$289	\$1,347
<b>Total</b>		<b>450,705</b>	<b>448,443</b>	<b>449,822</b>	<b>449,052</b>	<b>461,336</b>	<b>460,638</b>	<b>460,500</b>	<b>460,730</b>	<b>447,907</b>	<b>447,907</b>		

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.8753	0.8697	0.8651	0.8595	0.8766	0.8707	0.8648	0.8581	0.8266	0.8223

10 Year Average	2009-2018
Quantity Standard	0.8589
Quality Standard	\$457
Service Standard	\$392

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$392.32
Eligible Amount	\$25,518,847

City of Hamilton  
Service Standard Calculation Sheet

Service: Waste Diversion - Vehicles & Equipment  
Unit Measure: No. of vehicles and equipment

Description	Percentage Attributable to Diversion	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
<b>City Owned</b>												
20 cyd single stream rear packer	48%	1.44	1.44	1.44	1.44	-	-	-	-	-	-	\$255,000
32 cyd single stream rear packer	48%	1.44	1.44	1.44	1.44	-	-	-	-	-	-	\$306,000
Compact pickup	48%	1.92	1.92	1.44	-	-	-	-	-	-	-	\$35,700
SUV 2wd	48%	0.48	1.44	-	-	0.48	0.48	1.44	1.44	1.44	1.44	\$35,700
Pick up 2wd	48%	3.84	3.36	3.84	4.32	3.84	4.80	4.80	4.80	4.80	4.80	\$34,700
Pickup 4x4	48%	0.48	0.48	0.48	0.48	0.48	0.48	1.44	1.44	1.44	1.44	\$51,000
Pickup 3/4 ton	48%			0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$58,100
Dump truck 5 ton	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$114,200
25 cyd single stream rear packer	48%	1.92	1.92	2.88	2.40	8.16	8.16	7.68	7.68	7.68	7.68	\$153,000
25 cyd dual stream rear packer	48%	8.64	8.64	8.64	8.64	5.28	5.28	5.28	5.28	5.28	5.28	\$287,600
31 cyd single stream sideloader	48%	0.96	0.96	0.96	0.96	0.96	0.96	0.48	0.48	0.48	0.48	\$306,000
31 cyd dual stream side loader	48%	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	\$306,000
<b>Contracted (GFL)</b>												
Curbside/Roadside												
<b>Recycling</b>												
Freightliner with Heil Body - 32 yd rear packer dual stream - diesel	100%	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	\$255,000
Freightliner with Heil Body - 25 yd rear packer dual stream - CNG	100%	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	\$413,100
Peterbilt with McNeilus Body - 32yd dual stream - diesel	100%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	\$306,000
<b>Organics/Garbage</b>												
Freightliner with UHE Body - 32 yd rear packer dual stream CNG	48%	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	10.08	\$413,100
<b>Leaf &amp; Yard Waste/ Bulk</b>												
Peterbilt with McNeilus Body - 25 yd rear packer ss diesel	48%	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	\$246,800
Peterbilt with McNeilus Body - 30yd dual stream - diesel	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$255,000
Mack with McNeilus Body - 25 yd ss rear packer - diesel	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$246,800
Freightliner with Labrie Body - 37 yd ss sideloader - diesel	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$306,000
<b>Front Load Bin Waste and Fibre Collection</b>												
Mack with McNeilus Body - 40 yd single stream	48%	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	5.28	\$306,000
Mack with Labrie Body - 40 yd single stream	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$306,000
Mack with Fanotech Body - 40 yd single stream	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$306,000
Mack with Capital Body - 40 yd single stream	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$306,000

City of Hamilton  
Service Standard Calculation Sheet

Service: Waste Diversion - Vehicles & Equipment  
Unit Measure: No. of vehicles and equipment

Description	Percentage Attributable to Diversion	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
<b>Side-loader Fully Automated Recycling Collection</b>												
Freightliner with Labrie Body - 33 yd dual stream	100%	4	4	4	4	4	4	4	4	4	4	\$413,100
<b>Fork Truck (front load bin)</b>												
UHE Pa Body	48%	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	\$76,500
Pickup Trucks	48%	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	\$45,900
<b>RECYCLING &amp; WASTE DISPOSAL</b>												
<b>CENTRAL COMPOSTING FACILITY</b>												
<b>City Owned</b>												
Main fans	100%	2	2	2	2	2	2	2	2	2	2	\$46,900
Curing Building Fan	100%	1	1	1	1	1	1	1	1	1	1	\$40,800
Tunnel Fans	100%	16	16	16	16	16	16	16	16	16	16	\$276,500
Make Up Air Units	100%	2	2	2	2	2	2	2	2	2	2	\$61,200
Grinder	100%	1	1	1	1	1	1	1	1	1	1	\$714,000
Shredder	100%	1	1	1	1	1	1	1	1	1	1	\$853,700
Stationary Screening Plant	100%	1	1	1	1	1	1	1	1	1	1	\$20,700
PLC Units	100%	5	5	5	5	5	5	5	5	5	5	\$102,000
SCADA System	100%	1	1	1	1	1	1	1	1	1	1	\$510,000
Tube Conveyor	100%	1	1	1	1	1	1	1	1	1	1	\$102,000
Fixed Conveyors	100%	4	4	4	4	4	4	4	4	4	4	\$61,200
Stack Jet Fans	100%	2	2	2	2	2	2	2	2	2	2	\$40,800
Loaders Volvo L150 or Equivalent	100%	2	2	2	2	2	2	2	2	2	2	\$408,000
CAT 242 Skidsteer	100%	1	1	1	1	1	1	1	1	1	1	\$38,300
Ramrod Mini Skidsteer	100%	1	1	1	1	1	1	1	1	1	1	\$16,200
Genie Boom 40ft Manlift	100%	1	1	1	1	1	1	1	1	1	1	\$42,100
Grove 54ft Manlift	100%	1	1	1	1	1	1	1	1	1	1	\$12,200
Generator	100%	1	1	1	1	1	1	1	1	1	1	\$102,000
Overhead Filling Cassette	100%	1	1	1	1	1	1	1	1	1	1	\$369,200
Central Exhaust Fans	100%	2	2	2	2	2	2	2	2	2	2	\$120,400
Mag Conveyor	100%	1	1	1	1	1	1	1	1	1	1	\$49,000
Hydraulic Door Wagon	100%	1	1	1	1	1	1	1	1	1	1	\$5,100
<b>Contracted</b>												
Volvo L110 Loader	100%	-	-	-	1	1	1	1	1	1	1	\$408,000
<b>TRANSFER STATIONS / COMMUNITY RECYCLING CENTRES</b>												
<b>Contracted (Waste Connections)</b>												
Transfer Trailers	11%	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	\$127,500
Transfer Trucks	11%	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	\$137,700
Roll-off Bins												
- 20 yard	100%	12	12	12	12	12	12	12	12	12	12	\$8,200
- 30 yard	100%	15	15	15	15	15	15	15	15	15	15	\$10,200

City of Hamilton  
Service Standard Calculation Sheet

Service: Waste Diversion - Vehicles & Equipment  
Unit Measure: No. of vehicles and equipment

Description	Percentage Attributable to Diversion	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/Vehicle)
- 40 yard	100%	28	28	28	28	28	28	28	28	28	28	\$12,200
Roll-off Trucks	15%	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	\$178,500
Scales												-
- 80' above ground	15%	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	\$0
- 80' pit scale	15%	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	\$62,200
Front End Loaders	15%	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	\$408,000
<b>LEAF &amp; YARD COMPOSTING FACILITY</b>												
<b>Contracted (Waste Management Canada)</b>												
Screener	100%	1	1	1	1	1	1	1	1	1	1	\$255,000
Tub Grinder	100%	1	1	1	1	1	1	1	1	1	1	\$816,000
Excavator	100%	1	1	1	1	1	1	1	1	1	1	\$255,000
<b>MATERIAL RECYCLING FACILITY</b>												
<b>City Owned</b>												
Forklift	100%	1	1	1	1	1	1	1	1	1	1	\$51,000
<b>Contracted (Canada Fibers Ltd)</b>												
Forklift	100%	1	1	1	1	1	1	1	1	1	1	\$51,000
<b>Total</b>		<b>206</b>	<b>207</b>	<b>207</b>	<b>206</b>	<b>206</b>	<b>207</b>	<b>208</b>	<b>208</b>	<b>208</b>	<b>208</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004

10 Year Average	2009-2018
Quantity Standard	0.0004
Quality Standard	\$198,475
Service Standard	\$79,390

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$79
Eligible Amount	\$5,164,002

**City of Hamilton**  
**Service Standard Calculation Sheet**

Service: Waste Diversion - Carts & Containers  
 Unit Measure: No. of items

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 Value (\$/item)
Blue Boxes	42,000	75,000	108,000	139,000	183,000	228,000	271,000	319,000	362,000	403,472	\$5
Blue Carts	800	1,600	2,400	3,200	3,600	4,000	4,400	5,800	6,300	6,885	\$63
Small Green Carts	18,000	18,000	18,000	18,000	18,000	18,000	18,000	20,100	23,100	28,482	\$13
Large Green Carts	154,800	162,800	169,800	177,300	186,300	198,300	211,300	220,300	229,300	240,068	\$43
Mini Bins/Kitchen Organics Containers	182,000	198,000	214,000	230,000	233,000	237,200	244,200	250,200	256,200	262,536	\$2
Blue Bags	12,000	24,000	36,000	46,000	50,000	56,000	62,000	68,000	74,000	74,000	\$2
Gold Boxes	-	-	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	\$5
Blue Barrells	50	50	50	50	50	50	50	50	50	50	\$26
Public Space Litter Container - Jubilees	-	-	-	-	-	-	-	200	200	200	\$765
Public Space Litter Container - Fluted	50	50	50	50	50	50	50	50	50	50	\$102
<b>Total</b>	<b>409,700</b>	<b>479,500</b>	<b>549,300</b>	<b>614,600</b>	<b>675,000</b>	<b>742,600</b>	<b>812,000</b>	<b>884,700</b>	<b>952,200</b>	<b>1,016,743</b>	

Population	514,917	515,641	519,949	522,456	526,269	529,038	532,521	536,917	541,846	544,730
Per Capita Standard	0.80	0.93	1.06	1.18	1.28	1.40	1.52	1.65	1.76	1.87

10 Year Average	2009-2018
Quantity Standard	1.3441
Quality Standard	\$15
Service Standard	\$20

D.C. Amount (before deductions)	10 Year
Forecast Population	65,046
\$ per Capita	\$20
Eligible Amount	\$1,312,628



# Comparison of Level of Service Ceiling

## LEVEL OF SERVICE CEILING

## CITY OF HAMILTON

## SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED

Service Category	Sub-Component	2014 D.C. Study		2019 D.C. Study
		Maximum Ceiling LOS (2014\$)	Utilized* (2014\$)	Maximum Ceiling LOS (2019\$)
Services Related to a Highway	Services Related to a Highway	958,468,059	743,866,065	1,900,817,775
	Bridges, Culverts & Roundabouts	108,997,984		260,358,843
	Traffic Signals	19,898,725		21,588,842
	Active Transportation - Terminals	Previously combined with Services Related to a Highway		1,534,057
	Active Transportation - Shelters			1,439,256
Public Works Facilities, Fleet and Equipment	Depots and Domes	56,117,480	12,343,500	82,112,577
	Fleet	16,790,304	9,331,520	15,888,698
Fire	Fire Facilities*	19,519,649	19,890,874	17,015,972
	Fire Vehicles	11,779,913	3,705,216	10,525,530
	Fire Small Equipment and Gear	2,827,135	542,325	3,224,968
Police	Police Facilities*	24,411,373	24,808,438	23,983,005
	Police Vehicles	598,830	598,830	1,404,783
	Police Small Equipment and Gear	2,010,749	2,010,700	1,870,171
Parking	Parking Spaces	8,858,524	12,577,100	17,159,785
	Parking Meters	139,695		284,251
	Parking Facilities	3,776,922		5,551,026
Airport	Airport Facilities	9,374,519	8,870,872	18,961,559
Parks	Parkland Development	20,874,878	36,355,184	29,136,705
	Parkland Amenities (Buildings)	Previously combined with Park Amenities		312,871
	Parkland Amenities	20,949,623		36,451,778
	Parkland Trails	884,564		1,348,404
	Parks Vehicles and Equipment	Previously combined with Fleet		16,912
Recreation	Indoor Recreation Facilities	76,364,238	57,053,713	120,473,648
	Indoor Recreation Facilities - Buildings Within Parks	Previously combined with Park Amenities		11,639,982
	Recreation Vehicles and Equipment	Previously combined with Fleet		34,474
Library	Library Facilities	11,387,469	11,972,568	25,561,127
	Library Vehicles	74,745		153,509
	Library Collection Materials	5,156,862		4,327,510
Paramedics	Paramedics Facilities*	1,018,073	1,070,608	2,511,426
	Paramedics Vehicles	179,903	179,900	1,795,270
Long Term Care	Long Term Care Facilities	10,827,142	6,816,663	19,858,544
Social Housing	Social Housing	66,700,535	13,891,500	104,387,772
Provincial Offences Act	Provincial Offences Act Facilities	867,037	867,037	1,462,234
Health	Health Facilities	2,857,306	768,700	6,234,009
	Health Vehicles	44,331		48,134
Social Services	Social & Child Services	4,007,342	723,704	6,155,303
Waste Diversion	Waste Diversion - Facilities - Stations/Depots	Previously Ineligible		25,518,847
	Waste Diversion - Vehicles & Equipment			5,164,002
	Waste Diversion - Carts & Containers			1,312,628

\*The capital amount utilized includes financing (interest) on growth-related debt

\*\*Transit is now based on a forward looking forecast as per Bill 73





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**Hamilton**

City Clerk's Office

## Memorandum

**Date:** September 13, 2018

**To:** Chair and Members of the Development Charges Stakeholders Sub-Committee

**From:** Ida Bedioui, Legislative Co-ordinator

**Subject:** Outstanding Business List

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Please find attached copies of resolutions approved by Council in June of this year. These Items will be added to the Development Charges Stakeholders Sub-Committee Outstanding Business list and are provided as background information.

Yours truly,

A handwritten signature in cursive script that reads "Ida Bedioui".

Ida Bedioui,  
Legislative Co-ordinator  
Development Charges Stakeholders Sub-Committee

Attachments

**Council Follow-up Notice: GIC Report 18-013**  
**Council Meeting Date: June 13, 2018**  
**Page 4 of 13**

- (f) That subject to a successful negotiation of a Development Agreement between the City of Hamilton and the Preferred Proponent, that staff report back with an information report respecting a summary of the 4 proposals.

**5. Affordable Housing Demonstration Project (PED16263(a) (Ward 4) (Item 8.1))**

- (a) That staff be directed to consult with the community and stakeholders regarding the proposed Community Improvement Plan Area (CIPA) boundary as detailed in Appendix "A" to Report PED16236(a);
- (b) That staff be authorized and directed to evaluate potential Community Improvement Plan Area (CIPA) incentives that will deliver a sustainable, accessible and affordable community including but not limited to forgivable loans equivalent to Development Charge and Parkland Dedication fees;
- (c) That Corporate Services staff be directed to present the option of removing Development Charge exemptions for affordable housing to the Development Charge Stakeholders Sub-Committee for consideration when recommending policy direction for the 2019 Development Charge Study; and,
- (d) That upon implementation of the approval the item respecting review of extending the Community Improvement Plan Area be removed from the Planning Committee Outstanding Business list.

**6. Inventory of Brownfield Areas (PED18113) (City Wide) (Item 8.2)**

That Report PED18113, respecting the Inventory of Brownfield Areas, be received.

**7. Capital Projects Work-in-Progress Review Sub-Committee Report 18-003, May 22, 2018 (Item 8.3)**

- (a) **Capital Project Closing Report as of December 31, 2017 (FCS17078(b)) (City Wide) (Item 8.1)**
  - (i) That the General Manager of Finance and Corporate Services be authorized to transfer a combined \$627,510.93 from the Unallocated Capital Levy Reserve and other Program Specific Reserves to the capital projects, as outlined in Appendix "C" to Report 18-013;

- (3) Minimal restoration to back-of-curb of existing lots fronting on Miller Drive opposite the proposed development.
- (c) That the public submissions received regarding this matter did not affect the decision.
- 6. Amendments to City of Hamilton Zoning By-law No. 6593 to allow secondary dwelling units in detached structures for properties adjoining a laneway (“Laneway Housing”) (PED16200(a)) (Parts of Wards 1, 2, 3 and 4) (Item 6.5)**
- (a) That Report PED16200(a) (City Initiative CI-18-F) to amend regulations of Section 19 of Zoning By-law No. 6593 to allow secondary units within detached structures for those properties within the lower City (parts of Wards 1, 2, 3 and 4) adjoining a laneway, be received;
- (b) That Report PED16200(a), together with any written submissions and input from delegations received at Planning Committee, be referred to staff for consideration and to be incorporated into a further report and amending by-law which shall also address specific options regarding ‘tiny homes’ to be presented to a future Planning Committee meeting;
- (c) That Corporate Services staff be requested to present Report PED16200(a) to the Development Charges Stakeholders Subcommittee for consideration when recommending policy direction for the 2019 Development Charges Study and in addition, bring forward for Council’s consideration at the earliest possible date a standalone amendment to the Development Charges By-law to deal specifically with laneway-related housing developed in accordance with Report PED16200(a);
- (d) That, as part of the report back on a standalone Development Charges By-law amendment, staff include options for potentially retroactively applying any reduced Development Charges requirement, or benefit of any reduced Development Charges requirement, to recently completed laneway housing projects;
- (e) That the appropriate staff from Planning and Economic Development meet with staff from the Housing Division in an effort to build in incentive opportunities for some laneway and ‘tiny homes’ projects as affordable housing.